This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images, please do not report the images to the Image Problem Mailbox.

THIS PAGE BLANK (USPTO)

THIS PAGE BLANK (USPTO)

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
5 April 2001 (05.04.2001)

PCT

(10) International Publication Number
WO 01/22920 A2

(51) International Patent Classification[7]: A61K

(21) International Application Number: PCT/US00/26524

(22) International Filing Date:
28 September 2000 (28.09.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/157,137 29 September 1999 (29.09.1999) US
60/163,280 3 November 1999 (03.11.1999) US

(71) Applicant *(for all designated States except US)*: **HUMAN GENOME SCIENCES, INC.** [US/US]; 9410 Key West Avenue, Rockville, MD 20850 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **RUBEN, Steven, M.** [US/US]; 18528 Heritage Hills Drive, Olney, MD 20832 (US). **BARASH, Steven, C.** [US/US]; 111 Watkins Pond Blvd., #301, Rockville, MD 20850 (US). **BIRSE, Charles, E.** [GB/US]; 13822 Saddleview Drive, North Potomac, MD 20878 (US). **ROSEN, Craig, A.** [US/US]; 22400 Rolling Hill Road, Laytonsville, MD 20882 (US).

(74) Agents: **HOOVER, Kenley, K.** et al.; c/o Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, MD 20850 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— *Without international search report and to be republished upon receipt of that report.*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 01/22920 A2

(54) Title: COLON AND COLON CANCER ASSOCIATED POLYNUCLEOTIDES AND POLYPEPTIDES

(57) Abstract: This invention relates to newly identified colon or colon cancer related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "colon cancer antigens", and the use of such colon cancer antigens for targeting specific cell types and/or diagnosing, detecting, preventing and treating disorders of the colon, particularly the presence of colon cancer and colon cancer metastases. This invention relates to colon cancer antigens as well as vectors, host cells, antibodies directed to colon cancer antigens and the recombinant or synthetic methods for producing the same. Also provided are diagnostic methods for diagnosing and treating, preventing and/or prognosing disorders related to the colon, including colon cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of colon cancer antigens of the invention. The present invention further relates to inhibiting the production and function of the polypeptides of the present invention.

What Is Claimed Is:

1. An isolated nucleic acid molecule comprising a polynucleotide having a nucleotide sequence at least 95% identical to a sequence selected from the group consisting of:

(a) a polynucleotide fragment of SEQ ID NO:X which is hybridizable to SEQ ID NO:X;

(b) a polynucleotide encoding a polypeptide fragment of SEQ ID NO:Y which is hybridizable to SEQ ID NO:X;

(c) a polynucleotide encoding a polypeptide domain of SEQ ID NO:Y which is hybridizable to SEQ ID NO:X;

(d) a polynucleotide encoding a polypeptide epitope of SEQ ID NO:Y which is hybridizable to SEQ ID NO:X;

(e) a polynucleotide encoding a polypeptide of SEQ ID NO:Y which is hybridizable to SEQ ID NO:X, having biological activity;

(f) a polynucleotide which is a variant of SEQ ID NO:X;

(g) a polynucleotide which is an allelic variant of SEQ ID NO:X;

(h) a polynucleotide which encodes a species homologue of the SEQ ID NO:Y;

(i) a polynucleotide capable of hybridizing under stringent conditions to any one of the polynucleotides specified in (a)-(h), wherein said polynucleotide does not hybridize under stringent conditions to a nucleic acid molecule having a nucleotide sequence of only A residues or of only T residues.

2. The isolated nucleic acid molecule of claim 1, wherein the polynucleotide fragment comprises a nucleotide sequence encoding a protein.

3. The isolated nucleic acid molecule of claim 1, wherein the polynucleotide fragment comprises a nucleotide sequence encoding the sequence identified as SEQ ID NO:Y, which is hybridizable to SEQ ID NO:X.

4. The isolated nucleic acid molecule of claim 1, wherein the polynucleotide fragment comprises the entire nucleotide sequence of SEQ ID NO:X, which is hybridizable to SEQ ID NO:X.

5. The isolated nucleic acid molecule of claim 2, wherein the nucleotide sequence comprises sequential nucleotide deletions from either the C-terminus or the N-terminus.

6. The isolated nucleic acid molecule of claim 3, wherein the nucleotide sequence comprises sequential nucleotide deletions from either the C-terminus or the N-terminus.

7. A recombinant vector comprising the isolated nucleic acid molecule of claim 1.

8. A method of making a recombinant host cell comprising the isolated nucleic acid molecule of claim 1.

9. A recombinant host cell produced by the method of claim 8.

10. The recombinant host cell of claim 9 comprising vector sequences.

11. An isolated polypeptide comprising an amino acid sequence at least 95% identical to a sequence selected from the group consisting of:

(a) a polypeptide fragment of SEQ ID NO:Y;

(b) a polypeptide fragment of SEQ ID NO:Y, having biological activity;

(c) a polypeptide domain of SEQ ID NO:Y;

(d) a polypeptide epitope of SEQ ID NO:Y;

(e) a full length protein of SEQ ID NO:Y;

(f) a variant of SEQ ID NO:Y;

(g) an allelic variant of SEQ ID NO:Y; or

(h) a species homologue of the SEQ ID NO:Y.

12. The isolated polypeptide of claim 11, wherein the full length protein comprises sequential amino acid deletions from either the C-terminus or the N-terminus.

13. An isolated antibody that binds specifically to the isolated polypeptide of claim 11.

14. A recombinant host cell that expresses the isolated polypeptide of claim 11.

15. A method of making an isolated polypeptide comprising:

(a) culturing the recombinant host cell of claim 14 under conditions such that said polypeptide is expressed; and

(b) recovering said polypeptide.

16. The polypeptide produced by claim 15.

17. A method for preventing, treating, or ameliorating a medical condition, comprising administering to a mammalian subject a therapeutically effective amount of the polypeptide of claim 11 or the polynucleotide of claim 1.

18. A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:

(a) determining the presence or absence of a mutation in the polynucleotide of claim 1; and

(b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or absence of said mutation.

19. A method of diagnosing a pathological condition or a susceptibility to a pathological condition in a subject comprising:

(a) determining the presence or amount of expression of the polypeptide of claim 11 in a biological sample; and

(b) diagnosing a pathological condition or a susceptibility to a pathological condition based on the presence or amount of expression of the polypeptide.

20. A method for identifying a binding partner to the polypeptide of claim 11 comprising:

(a) contacting the polypeptide of claim 11 with a binding partner; and

(b) determining whether the binding partner effects an activity of the polypeptide.

21. The gene corresponding to the cDNA sequence of SEQ ID NO:Y.

22. A method of identifying an activity in a biological assay, wherein the method comprises:

(a) expressing SEQ ID NO:X in a cell;

(b) isolating the supernatant;

(c) detecting an activity in a biological assay; and

(d) identifying the protein in the supernatant having the activity.

23. The product produced by the method of claim 20.

THIS PAGE BLANK (USPTO)

SEQUENCE LISTING

<110> Birse et. al.

<120> Colon and Colon Cancer Associated Polynucleotides and Polypeptides

<130> PA005PCT

<140> Unassigned
<141> September 28, 2000

<150> 60/157,137
<151> September 29, 1999

<150> 60/163,280
<151> November 3, 1999

<160> 8564

<170> PatentIn Ver. 2.0

<210> 1
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<400> 1
ggaacaagaa gaaagacaac catctcctgn aacctgtgca agaaaatgct aacagtggtt 60
actatgaagc tcaccctgtg actaatggca tagaggagcc tttggaagaa tcctctcatg 120
aacctgaacc tgagccagaa tctgaaacaa agactgaaga gctgaaacca caagtggagg 180
agaagaactt agaagaacta gaggagaaat ctactactcc tcctccggca gaacctgttt 240

ctctgccaca agaaccacca aagccaagag tcgangctaa accagaagtt caatctcagc 300
cacctcgtgt gcgtggaaca acgacctaga gaacgacctg gttttcctcc tagaggacca 360
agaccaggca gaggagatat ggaacngaat ggactctgna caaccgt 407

<210> 2
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 2
gaattcggca cgaggttttt atgggcaaca gccatataca gtctacttcc tatctattgt 60
gaagttgttg ttgaggattt cctgtattat ttcactctgc attcatgtct cagttacctt 120
tgatccctag caaactgtcc caagtggaat ggcctaaccc aggaatgatg tattatttct 180
tacagtcctg tgactgtctg ggcggtcctt ttgctaactt ccccagggct cacgtgtgcc 240
ttgtggtcaa gtgatagcag cgttggctgg ctggtccmag gtgggcctca cgtgtcctat 300
agtatttgct agctattgtc tgggggctcc tcaactcttc cacatgcccc agtaagcata 360
gaccagttcc ctnacaccan ggtgggtctc aggggnagca ttccaanagg gga 413

<210> 3
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 3
gacgggaatt tgatggaaaa ccaggacttg ctgggctcgc aacacctcca cctccccctc 60
cacaccagag gcatctgcac ctccactgcc cagcaaaact ccgcctcctc cccctccaaa 120

gacaactcgc aagcagacat cggtggactc cgggatcgtk cagtgacgtc gcaaggctct 180
ctggaaagag tgtgctgccc ctccccatct ccatgccctc tccttctgtg tcccctgagt 240
ctgctgttta cctcattggg cctgtgatgt taacatttmg tgcgactgct ttttcttcaa 300
aggagttcag ttctcaccat ggagtgagtg gnccttttagc gtcatggagc aaggtgggtc 360
tgggaggtag atatgggtcc gggatgtgct atcgtagtta tcagarttgg gggcctctga 420
gtgtgtctgg ctctgagaga gtctgagtct tgcccaaaca ttctttcttt ttgg 474

<210> 4
<211> 1843
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (877)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1463)
<223> n equals a,t,g, or c

<400> 4
agaccttaac agacacctca ccaaagnagg tatacagatg gatacgcata tgaagagatg 60
ytcgacwtca tatgtcwtca agaaaatgca aattaaaata atgagatacc gctacatatc 120
cattagaatg sccaaaatcc aaagcactga caacaccgta tgctagtgag gatgtggagc 180
aacagaaact actttcattg atggtgggac tgagaaacgg tatagccgct ttggaaaaca 240
gtttacaaaa ctaaacatac tgttttcaac tccattggga gcataattat agtttattac 300
aggtagtwta attcagcagt tgcacacctt gttatttacc caatggagtt gaaagcttat 360
gtccacacgt aatgtgcaca taaatgttta cagagcttta ttcctaatca ccaaatttta 420
gaatcaaaca agatgttctt cagcaggtaa atggataaac tgtgtacatc cagacaatgg 480
aatattatgc agtgctaaaa gaaatgagct gtcaagccat aaaaggacaa gaaggaaaat 540
taaatgcatg ttactaaatg aaaaaaggcc atctgaaaag tctatatact gtatgattgc 600
aactatatga cattctgaaa aaggcaaaac tatggagaca gtaaaagatt agtggttgtc 660
aggaattggg gaaggggagg gacaaagaga gcacaaaata tttttagtac agtaaaaccc 720
acgcgtccgc ggacgcgtgg gttttactgt actaaaaata ttttgtgctc tctttgtccc 780

tcccctccc caattcctga caaccactaa tcttttactg tctccatagt tttgcctttt 840
tcagaatgtc atatagttgc aatcatacag tatatanact tttcagatgg ccttttttcat 900
ttagtaacat gcatttaatt ttccttcttg tccttttatg gcttgacagc tcatttcttt 960
tagcactgca taatattcca ttgtctggat gtacacagtt tatccattta cctgctgaag 1020
aacatcttgt ttgattctaa aatttggtga ttaggaataa agcttctgta aacatttatg 1080
tgcacattac gtgtggacat aagctttcaa ctccattggg taaataacaa ggtgtgcaac 1140
tgctgaatta tactacctgt aataaactat aattatgctc ccaatggagt tgaaaacagt 1200
atgtttagtt ttgtaaactg ttttccaaag cggctatacc gtttctcagt cccaccatca 1260
atgaagtagt ttctgttgct ccacatcctc actagcatac ggtgttgtca gtgctttgga 1320
ttttggccat tctaatggat atgtagcggt atctcattat tttaatttgc attttcttga 1380
tgacatatga tgtcgagcat ctcttcatat gcgtatccat ctgtatacct nctttggtga 1440
ggtgtctgtt aaggtctntg atncatttta atgcttcttt gttaggggta gatacatgta 1500
aaggatatgt cttcttggag aattgactcc tttatcctta tataataatc ctctttgttc 1560
cttgtaactt gcattgctgt gcaatttgct ctttctgaaa ttagcacaat tgacccttga 1620
atgacatgga ggttaggggc acaaatgaaa atctgtgtat aacttttttat tcatctataa 1680
cttaactttt aaacccattt aacctccccc caaaattcag gaataataac acacccgacc 1740
acaccgctta caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1800
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1843

<210> 5
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 5
ggaagaagcc cagaggttgt gcccaggggc agaaatcatt gcctagtgtt caccggctga 60
ctctcaactg accattccca tgtggacagg ccttaatact gtgagaggat ccttgctctg 120
ctggcagttt cccactccta tgcactttca caggaactag naaaactatt cttaaaccaa 180
aaataccatc cgtgttgacc catgttgcag agcccttact taaatccttc actggtgtat 240
gaatactttg tcataatgct gctttgctgg gtagtgagct cttatttttc actgggggtc 300
agctataact aaaaactcaa gtgacatatt tcagttacca aagtggccag gaacttttg 360
cttttatgaa aatagattca tattgtattt cccagtgtgt cttytatgtc tttgaatgtt 420
ttagaganaa gtctatgcct gtctaaaaat gaatccagtg ttgcctttct n 471

<210> 6
<211> 905

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (836)
<223> n equals a,t,g, or c

<400> 6
gttctagatc gcgagcggcc gccctttttt ttttttgatt tatatgaact tgcaaatcat 60
atatattaac cttttgttat gtggagattt tggacaggag gattgcttga ggccaggaat 120
tcaagaccag cctgggaaac aaagtgagac cctgtcttta caaaaaataa aaacaaaaat 180
ttaaaactgt ataatctgca ctttatgcta aactagctgt gctcttaaac tcaatttttt 240
cagctctaat aaagggctta atttgataga attattctac gattaaattt tgaagactgt 300
tttcactctc ctctgccgcc catagcaaga ctgcttccat agatttctca gaaccgtagc 360
cagttctggc tatttggtca agtctgggat ccctcttacc tgctattctg cagctgcttt 420
ctctgtctta catttttttgg gccacgtcta atcttaaaga gtaaactcta cccttggttt 480
gcatagtgtg catgacaaaa ataacaagaa taatggtaat gatgaaaatg ataagagcaa 540
aatttgtgga gtgctttcca cattccaggt aatgtgtaac atacaattta attcttacag 600
cagtcttatg gagtgaaaat actattatga attcccgttt tacagatgaa agaatggagg 660
cacagaaaag ttacttgtct aagtaacagt ctatccttaa agtccacagt cttaaccact 720
tggatttttc atagtgaggg aaaatatccc agaaagttgc agtttcaatt aatcactgaa 780
ttgtagggta atttaactat accagtgaag tgcctactga gcagaaatat ttgggncaac 840
atgaagccca ctggactggg agcttttgtt ttagcataat gaacctgttt ccagcaagat 900
tttga 905

<210> 7
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<400> 7
aattcggcac gaggaaactt gctattccac ccacaccaag ttaaaaagga aaaaaaaaag 60
actttcgcac aattgtttcc taactgataa cattgtacat tcttaggnga ttagtaattg 120
tgtgaaattt actcatactg tttctaagtt tttcagcata gtcattgcac ttcagcaggg 180
aatctgagta tactttacag acagagtgaa cttaaaagtt taatgtcaag agattatggc 240

ttaaataaat tagtgtgtcc tatagggga aaaaaaccaa gaaaccacct tttaaaaaga 300
atgatatgcc atataccctt ggattttcat tttgcattat attgacgtgt ttttttgaag 360
ggaaaaaaag tnataanaat ctggatagtc taagactcca ctattttaaa ag 412

<210> 8
<211> 752
<212> DNA
<213> Homo sapiens

<400> 8
actgaacagt ggttaatcct gactctgttt ttgactgaca gttaacagtt acatgaacca 60
ttcatattac agctcttact taaatttgac caagccagga tatatctgtt aggccacatt 120
catttaggga tcatgttttc caaagcaggt ttgggcaaaa ttaatccaca ggactgaaag 180
gtatacatct gtgagttttg ttctcacttc cacctctaat ttgaagaaca ctttaattga 240
cacagaatac atttcacata tttaacctct acaataagtt ctgacacatt ttccatgaaa 300
caaaccatcg ctatattcaa gataatgaac ctatctatca tactcccaaa ttccttctkg 360
catctttgta atttctcact cttccttctc cctctccccg tcccatccca accactgatc 420
tgctcaggca actaccaatc ttctttctgt cactatagat taatttgcat ttttaaagaa 480
atttacatac atggaaccat acatcatcta tgctttgtag tatgactcct gtcactcagt 540
acaattattt tgagattcat ttatgttawt gtatgtatca atagttcatc ccttttattg 600
gtaagtaaca tttttttgta taggtatacc atgatttgtt gatgaacaaa tttacctgtt 660
gatgaacatt tacgttgtta ccaagatttt tgctattgaa aataaagttt ttatgaatat 720
ttatatatat aaaaaaaaaa aaaaaaactc ga 752

<210> 9
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (622)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<400> 9
ggcagaggtg ctactggaag caatacgaaa aggtattcag ctacgcaaag tagaagagca 60
gcgtgaacag gaagctaagc atgaacgcat tgaaaacgat gttgccacca tcctgtctcg 120
ccgtattgct gttgaatata gtgattcgga agatgattca gaatttgatg aagtagattg 180
gttggagtaa gaaaaatgca ttgataaata ttacaaaact gaatgcaaat gtcctttgtg 240
gtgcttgttc cttgaaaatg tttggtcatt ctagtgtttt gctttctttt ccttataata 300
aatgaccctt ttcctccata acttttgatt tctaaggaaa atattagcat acatttcaaa 360

ctaaatgttt tacagtggct tatctttttt ttccccctga aaagactaat ttggtcaaat 420
aaaccactaa gtattaagca tgggacagct gttgttagga gtagccagat tcagtttttt 480
ggatatatct taattgtgta ctttgtggaa ttttaaattt aaaggaaagg caactggaaa 540
ttggaaatcy tgaggggcag ctgtatctac taatgaggcc ttattccctt tcccggatgt 600
tttaaaggag ggnacactgc cntggattat acggntacac cc 642

<210> 10
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 10
tctttttctc tcccactttt tcatattcct ctttttcatt tttgcctttc cgtttctgtc 60
tatgatgtag gcttctgagg agaaccmaga agcttggctt tagtggtaga atgacagrac 120
ttagggatcc cttgcaggct agaacaaagt tctgaccctt agaccaaatc tttatgttaa 180
gaagttttcc agaattcaaa aaaaaaaaan t 211

<210> 11
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 11
taagagatca aagcttataa ttttcttttt taatttttga aggagggatc aactccagtt 60
tccaatgtct atgtgtctat gtgtgtatgt gccatacata tgtattcaca tgaagaccgg 120
catggccaag ttctgctgga ggagcactca agtgtgacga gcagggccac tggaccctgc 180
agggctgtgg tgtatatagt gcagctttgg aggtggaact ctattttcac acttttctat 240
ggagccttcc gagtcccagg ttttcacttg aggctgtctg tctggatggc ggttttcaga 300
cctccattaa catccctacc cagcattctg tacttcgggg gccttctctc ttgttataaa 360
acttttacc aagtgaaaca tcgataccac ctttgtttcc attctcactg gtgtaaatac 420
tgagtactaa ctgagaattt tgactttgca ttctgtcgga atacttgtgt tcaataaaaa 480
ttgaaagaaa aaagctaaaa aaaaaaaaaa aaaancncga gggggggccc gg 532

<210> 12
<211> 1120
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (711)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (946)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (987)
<223> n equals a,t,g, or c

<400> 12
cataaacatt gatgttgggt caatcatgtt ctcaatgtat ttaaccatgt gtttttaaat 60
tttttaattt agttatcaaa ttgagaatct gatggtatgg cattaatcac cttgaggaag 120
aacctttatc gtttatctga ttttcagatg catagagctc tggctgcttt aaaaaataaa 180
cctctaaatc atgttcacaa ggtagtcaag gagcgtctgt gcccttggtt gtgttcacga 240
caacctgagc ctttcggggt cagattccat catgcccatt gtaaaaagtt tcattcgaaa 300
aatggaaatg accttcatcc actcggtgga ccagtgttct ctcaagtatc tgactgcgac 360
aggcttgaac aaaatgttaa aaatgaggag agtcagatgt tttacaggag actgagcaac 420
ttgacttcat cagaagaagt gctaagtttt ataagcacga tggaaaccct gcctgacact 480
atggcagcag gagctttaca acggatttgt gaagtggaaa aaaaggatgg tgatcaaggg 540
ctgccaaaag raatactgga gaatagcatc tttcaagctt tatgctttca gtttgaaaag 600
gagccctcac agctgtcaaa cactagttta gtgactgctt tkcaagctct gattctgttg 660
catgtggatc ctcaaagtag cctgttgctg aacctggtgg cagaatgcaa naatcgtctc 720
agaaaaggtg gcatggaagt tcgcaatctt tgtattcttg gggaaagtct gattacactg 780
cacagttcag gttgtgtgac actagaactc attataaatc aacttcaagg tgaaaaattg 840
gaaacattta ccccggagga tattgtggcc ctttatagaa tcttgcaggc atgtactgaa 900
aaagtggatg aacaccaaac atttttaaat aagataaaca actttnccct atcaatagtt 960
tccaacctga gtcctaaatt gattagncaa atgctcactg ccctggtggt tcttgatcaa 1020
agtcaagcat ttcctctgat tataaaattg ggcaaaatat gtcgtgaggc atgtcccaca 1080
tttcacttaa cgaggagctt aggagagtct tttgaggcgt 1120

<210> 13
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)

<223> n equals a,t,g, or c

<400> 13
ctagatcgtc agggaggaag ggtcagttgg gtgcctgttt ttctgttttn agtcctttaa 60
aatgagtaga agcaacctgt taccctggaa agagcactgg acatagacct agtgctgcgt 120
gatgttgagc acgtttcttc ttccctttga gtcccagttt ccctttggt tacaggggga 180
tagtagcccc cagggatcat gtgaaagtga gaaagccctt ttcacactgt ggagcggtgc 240
agatgtggga aacctcaaag atggttgccc attttaaatc ctttcatctc tcatctctct 300
ttcttctctc ccttctgccc tgacgtagcc atggttgggt gggtgaggcc agaagaaact 360
gcctccgmaa gaggtagcag ccgctcaggt ggctctgctg gcatcggagc ccacagaagt 420
gaggagtggc cgatggamct gccctccaaa tgtgcctgac tctgggtctt gctgtcactg 480
ggatttcctg ggcatggcag acagaaagaa agatagtttg accaagtcgt aggaagcttg 540
attccagcgg gtaaaaaagg gggcagggaa ntcgtccctt ttatttttg ccttcaggag 600

<210> 14
<211> 807
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (773)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (786)
<223> n equals a,t,g, or c

<400> 14
caattaaggg tgtacaaatt ataataatgc atctctatct tcatactttg aatggcaaac 60
gctatttatg cataaatatt ttcattttaa gtaatatatg aagtgtaaat actcgatata 120
taagtataga ttttaaagat atgggacttt attttcacat aagtcaatag atgtttctct 180
agaacaaaat atttagtaaa gctttataaa ttatattaaa aggaagcggg gaacatgtat 240
tttttaacat agaacagaag tgacttcatt ctttttagac atcagaaatg ttaaagttga 300
ttcccaatat ttgttgtact tttttgtagc aaatgttaaa aatcacgagt taccatgtat 360
agaatgtgga ctgtcatgtt gatatcattg tacagtgata agccattttw atctgtatac 420
atttcaccaa tttattaaca ggttgaatat ttgtttcttt ttagaacatt ttatttatac 480
tgtgaagact ttgttatacc ttatttgcta caacatagat catatcattg ctactttgac 540
ttagcatttg catcataaac ataattatga tgtttttttc atgctccttc caggggctca 600
gtcacttgaa gaaactgttg ctaaccaagc tcttgactct gtttccctta atgatacaag 660
tctctgtacc agcgctttat gttaattacc aaaactctcc tgcatcagag catgatatct 720
ataataggag atactgsaat aaaatgrttw ggctgtaaaa atttggaggc acnaattttc 780
caattncaat ggcaaattgg catggtg 807

<210> 15
<211> 416
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<400> 15
ngttttggga ttattataag ttcttgtgtc ttaaggccat ctgcttttat atccagtgat 60
gtgggatttt aatcagccat taattaggta agcattcact ttgaggacaa tattctgttt 120
tatcttgggt agcatggaca gtttgtcaca gaaataagtt ccctattcaa acttggaatt 180
agctgattca gagtaacata ttaataatat aaaaatggcc atacccttt atggcgtaac 240
attatttcta ggtattgttt ctaaggaaat aattttaaat attgggaaaa aatattttta 300
caatttacag tctgtctgac atttggtaaa tagctaattg tgatatattc atattaggag 360
atagggtgca gccactaaaa tgattttgaa gtattgtcca ttagtaatgg taattt 416

<210> 16
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<400> 16
ggcctgggct ccttccgaat ggtggcgcct ctgagccagn tttcgaggag gagtcggagg 60
aggagcctga atgtttggag atagacttca agtcccggac cttatccgtg cgccgcttcg 120
gtttgcaggt gacctttgcg tgcgggcgcc ccttctgatt gaccctgatg agctgtagct 180
ctgatggccc ctccttcggg aatgattagg gtgacggctg kccggggctc gttcgagtgg 240
cgcccggccg gtggtgaccc gaacaggaga gcgggacggc gaccattctc tcgggagggs 300
cccatytgga gaaagtcctc tcgcttggtc aaactaggag ggcgatagca ccggccttac 360
tgcgacgatg acaaagtaca acacaccgtc tggcgcgaag gagatgctcg agaacccttt 420
gctgttgtta tttttcgcgt gtcctccgaa accaagggaa atgcggctct gtgggttctg 480
ttaacgtcag catttaataa gtgaactcta aatgcattgc cccttatggg tgcgctggcc 540
tcctgagttg actcagctct tgcaacgtag ctagttgata accctcgaaa tatagcgaat 600
tgagatgtgc tatattgtaa aatacgggac ttagtacgaa aaaactgatg taaaaattat 660
ctcaatactt tttaatactg attacatgtt ggaatataat gttttgcata tattgggtca 720
aataaaaatg ttattaattt caaaaaaaaa aa 752

<210> 17
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 17
ggcacgagtt tcaaaccaac actgaaattc tgtggcatca catatattgg gccttgatgt 60
catgacagak caaaatcatt tgatatccct ttctccattc taggtttttc ttttttcag 120
taactgattt accttgatca cttttcaact tccatattct tcatatagta aaaggcaaag 180
tgttgaagat actacggtgt ggtagtagtt gaaaattatt gccgtcatta tttacatact 240
taagacatat tagcaagttg atccaaaatg ggaggcctta tagatgtgct tgggggaaaa 300
tgaaggggag aaagtagcca tacaggagtt caaagaattc catgcccttc agattagccc 360
attaccagaa acatcatgaa agtattttaa aaactaatta tttactacag tgtatttcac 420
ttgtcttgtg tgtctgaaca cnaggannge taaattagca agtttttaa ggaggtattt 480
t 481

<210> 18
<211> 912
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (875)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (881)
<223> n equals a,t,g, or c

<400> 18
aattcggcac aggatcagac ttcctttcaa ctgtcctccc ctccaagcag accacctgtc 60
cccttctatc ccagctcaga gcagctgacc caactcagaa tctctttcct acaggatgaa 120
gtgccttttg aatgttattt taagccgaga gttaattttt ctacacaaca tatttccaga 180
catcttttag tcttttattg tcttagatac tataagaaga tgaacatgac aattttctag 240
aacctggtag cgtgtgtgtg tgtggcgggg ggtgctgagg gaggggagtg agtcacagga 300
gcctgtcccc caacaggtgt gactgctctg acaacctgtg gcatgctgca gggtcaggct 360
cctgatagga ggatttcatg actatgtcat tgtctccact cattttgac ccagtttgga 420
atgtatctgc aattgtgtgg ctcaacactt taggaaacaa tagattattt tatattatta 480
tttctgatgg tgacaagttt gtcttgaggt cacattttct ccttgaaaag tgacatcctg 540
tcacttctgc tctcacacta ctgccataca tttgtgtttt ttgttgttat tgtttgggta 600
gagcagttac aagaaaccct aaaacccttg gatataaaag aaatctgttt attgattttt 660
aaatctttcc tttccaaaag ctgggataca catgggagct gtttgggggaa ttttccttgc 720
tgctaccgcg ctgccaccaa atgggaattg accaggcggg ctgtttacac tgtttctttg 780
gccactgtgg ccyatggctc aggaatatgg ctcactggct aaggcttacc aaactcgggg 840
acaggggtc agggaaacag gaggggtgtt ccccntcccc nttggcaggc cttcccaccc 900
acctggttaa cc 912

<210> 19
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 19
ggatacatag gaagttgacc tcggggtatc atggagagtg tccctcctag tggctggagg 60
tagggacagt tggttgtggg gctggagaga ggttgtgggg aggaagcgag gatgcgtgcc 120
tgccactagg atctgcatcc ccgagcccaa gccaggaggg atttccctta ggcaacacca 180
tcccagggag atctgccaca atttgcgttt cacagctraa gacgccgagg cttagagagc 240
tcgacctcct caaggtcaca ccactgggta aatagaggga tgcagactca ggttttgcta 300
tgtgctcaca tttcaacttt atgcttaaca tgaatggaaa aatatgaaag taaatagtga 360
aaaggtgagt tatgagctta gattacctag attattccag tatcccatgg aagctgagga 420
cttattccgc tttccacacc gaacactaaa tgtggaccag tatcaagaac cctcctgtcc 480
ccacgcagnt anaacccagt ggcttct 507

<210> 20
<211> 410
<212> DNA
<213> Homo sapiens

<400> 20
ggcagagcca aaagagggtt cttggatctc acgcaacaaa gagttcgggg cgagtccata 60
gagtaaagtg aaagcaagtt catcaagaaa gcaaaggaat aaagaatgcc tactccatag 120
gcagagcagt ggctttggct gctcagctgc ttgtacttgt tacttcttga gtatatgcta 180
aacaagggat tgattactcc ttgtttagca gttttctggg aaaggagtgg gcaattccca 240
gaactgaggg ttcctcccct ttttaagacc atattagggt gacttcctga tgttgccatg 300
gcatttgtaa actgtcatgg cgctrtgggw gtgtctttta gcatgctaat gctttataat 360
tagcgtataa tgagcagtga ggacaaccag aggtcactct tgtctgtgcc 410

<210> 21
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 21
ggcacgaggg cacsmkcaaa ccttgtcttc cctctnctgt tgcatccttt ccctaccctt 60
ccctcccagg tgctcggtac tttaccwagt ttctatatat cagtgtttta tgttggaatt 120
tttccttgtt tttattttac tagttggtaa accctgttta tgctgaaaca aataaggaaa 180
tggtatattt gaccatatgt gttattcata gaagacagta tgatcaaatg tgccaaaaac 240
aagcaaacaa aacttaattc ctgrgaagta tgccttattt ttattgatct gctttgtctt 300
acaattaagg tccaagagct tggttaaact gtattatttg cctaagtata aaaganaact 360
tgaactgcat tgcaatattg acgttcttta aaatgagaga cactgtcaag taatttaatc 420
cagagatcag ccaccagatt tgnaatgcct atgnatgtgt gtgtgttggg agtggttttt 480
tcctttaaac caccca 496

<210> 22
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<400> 22
ggcacgagta taaatgatgg tgtggatgtc agggtgaggg aggagacaaa accacgatga 60
cccctagctt tgtggcctga actgtgggtg gctgagggga tcgttaattg aatggggcag 120
actgaggctt gtraggaaga tcagagtctg gttcttgaca tgagatgccc ttcaaacatc 180
tcttcactca ggtgcaacta gggatacaga aacactgkat atttcaacag cagaaattga 240
atgggggat tgatagcsct ggcgagggaa gcagctggta aagaagacag atggcaccct 300
gagacagccc agnggtggaa taggaccccc agngtgcagg gattaaagtt ccatgggttg 360
gtg 363

<210> 23
<211> 239

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<400> 23
ctcaggctgc tgcacgtggs catccgcatc cggcctttyt tcgacagttt gaccgtggag 60
agcgcggacc tgcagggctg ctgctttgct gggcctggca gcccccaccc gagaagatgg 120
agttccggac ggcatctatc cgcctctttg ggcacttaac aaggtctgcc acggagactg 180
taaggacgtc ttcctggacc aagtggtggg cgggctggcg ccctgctgct gcacctgna 239

<210> 24
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 24
aacaattaag tctttaggaa tgtgtaacca gaactatgtt agtattgctt ataaaacttt 60
agttaggttc aatatataca tatatacatc tctatatagg tatatagatt tgcattttgt 120
cttgtaaaat tttatttgaa taaattcttc ctgtaggtaa tgggaaacaa aattaatagt 180
tcatatgtca ctcatagcat ttctatattt gaaagtagcc caatataaaa cttttgattc 240
taaaattaaa ccagcagcct attacaagca cattctttga ttgagtcatt ggttataaac 300
ttactaaatg cagrgraagc agccaattta gggaaacttc tgagttggtg gggacactgt 360
tggattaata atgtacggta tgaattaagt gatgccttaa cttggatttt acattttaag 420
gttaangngg gggcatatgg tcagccaact taggggggcat t 461

<210> 25
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 25
accagaccaa ccctatgaat ggctttcata taaacaggtt gcagaattgt cggagtgcat 60

aggctcagca ctgatccaga agggcttcaa gactgcccca gatcagttca ttggcatctt 120
tgctcaaaat agacctgagt gggtgattat tgaacaagga tgctttgctt attcgatggt 180
gatcgttcca ctttatgata cccttggaaa tgaagccatc acgtacatag tcaacaaagc 240
tgaactctct ctggtttttg ttgacaagcc agagaaggcc aaactcttat tagagggtgt 300
agaaaataag ttaataccag gccttaaaat catagttgtc atggatgcct acggmagtaa 360
ctggtggaac gaggccagag gtgtggggtg gaagtcacca gcatgaaggc gatggaggac 420
ctgggaagag ccaacagacg gnagcccaag cct 453

<210> 26
<211> 1940
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 26
ggcagaggtc ctcagtgcag ggcaacagga ctttaggttc aagatggtga ctgcagccat 60
gctgctacag tgctgcccag tgcttgcccg gggccccaca agcctcctag gcaaggtggt 120
taagactcac cagttcctgt ttggtattgg acgctgtccc atcctggcta cccaaggacc 180
aaactgttct caaatccacc ttaaggcaac aaaggctgga ggagattctc catcttgggc 240
gaagggccac tgtcccttca tgctgtcgga actccaggat gggaagagca agattgtgca 300
gaaggcagcc ccagaagtcc aggaagatgt gaaggctttc aagacagatc tgcctagctc 360
cctggtctca gtcagcctaa ggaagccatt ttccggtccc caggagcagg agcagatctc 420
tgggaaggtc acacacctga ttcagaacaa tatgcctgga aactatgtct tcagttatga 480
ccagtttttc agggacaaga tcatggagaa gaaacaggat cacacctacc gtgtgttcaa 540
gactgtgaac cgctgggctg atgcatatcc ctttgnccca acatttctct gaggcatctg 600
tggcctcaaa ggatgtgtcc gtctggtgta gtaatgatta cctggggcat gagccgacac 660
cctcaggtct tgcaagccac acaggagacc ctgcagcgtc atggtgctgg agctggtggc 720
acccgcaaca tctcaggcac cagtaagttt catgtggagc ttgagcagga gctggctgag 780
ctgcaccaga aggactcagc cctgctcttc tcctcctgct ttgttgccaa tgactctact 840
ctcttcacct tggccaagat cctgccaggg tgcgagattt actcagacgc aggcaaccat 900
gcttccatga tccaaggtat ccgtaacagt ggagcagcca agtttgtctt caggcacaat 960
gaccctgacc acctaaagaa acttctagag aagtctaacc ctaagatacc caaaattgtg 1020
gcctttgaga ctgtccactc catggatggt gccatctgtc ccctcgagga gttgtgtgat 1080
gtgtcccacc agtatggggc cctgaccttc gtggatgagg tccatgctgt aggactgtat 1140
gggtcccggg gcgctgggat tggggagcgt gatggaatta tgcataagat tgacatcatc 1200
tctggaactc ttggcaaggc ctttggctgt gtgggcggct acattgccag cacccgtgac 1260
ttggtggaca tggtgcgctc ctatgctgca ggcttcatct ttaccacttc tctgcccccc 1320
atggtgctct ctggagctct agaatctgtg cggctgctca agggagagga gggccaagcc 1380
ctgaggcgag cccaccagcg caatgtcaag cacatgcgcc actactcatg gacaggggcc 1440
ttcctgtcat cccctgcccc agccacatca tccccatccg ggtgggcaat gcagcactca 1500
acagcaagct ctgtgatctc ctgctctcca agcatggcat ctatgtgcag gccatcaact 1560
acccaactgt cccccggggt gaagagctcc tgcgcttggm accctccccc caccacagcc 1620
ctcagatgat ggaagatttt gtggagaagc tgctgctggc ttggactgcg gtggggctgc 1680
ccctccagga tgtgtctgtg gctgcctgca atttctgtcg ccgtcctgta cactttgagc 1740
tcatgagtga gtgggaacgt tcctacttcg ggaacatggg gccccagtat gtcaccacct 1800
atgcctgaga agccagctgc ctaggattca caccccacct gcgcttcact tgggtccagg 1860
cctactcctg tcttctgctt tgttgtgtgc ctctagctga attgagccta aaaataaagc 1920

acaaaccaca gcaaaaaaaa 1940

<210> 27
<211> 864
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (773)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (856)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (863)
<223> n equals a,t,g, or c

<400> 27
tctaaatcca ttacaaatct gcttagcttc taaatatttc atcaatgagg aaatcccagc 60
cctacaactt cggaacagtg aaatattagt ccagggatcc agtgagagac acagaagtgc 120
tagaagccag tgctcgtgaa ctaaggagaa aaagaacaga caagggaaca gcctggacat 180
ggcatcagag atccacatga caggcccaat gtgcctcatt gagaacacta atgggcgact 240
gatggcgaat ccagaagctc tgaagatcct ttctgccatt acacagccta tggtggtggt 300
ggcaattgtg ggcctctacc gcacaggcaa atcctacctg atgaacaagc tggctggaaa 360
gaaaaagggc ttctctctgg gctccacggt gcagtctcac actaaaggar tctggatgtg 420
gtgtgtgccc caccccaaga agccaggcca catcctagtt ctgctggaca ccgagggtct 480
gggagatgta gagaagggtg acaaccagaa tgactcctgg atcttcgccc tggccgtcct 540
cctgarcagc ancttcrtgt acaatagcat aggaaccatt aaccagcagg ccatggacca 600
actgcactat caatctcggt cctgaacctc acctccaaaa agaaagcgac ttcagtagaa 660
agtggggtca gaaggaagag tgtggtcctg gcccagctag acaaaaagcg ggatgacttt 720
tgtaaacaga atcaggaagc atcatcagat cgttgctcag ctttacttca ggncattttc 780
agtcctctag aagaagaagt gaagggcggg gaattttatt tcgaaaacca agggggtaa 840
ccgtctctgt tattcnagaa agnt 864

<210> 28
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 28
gggtcgaccc acgcgtccgc caggagtagg tcctatcagt gccccccag agtagagagc 60
aataagagcc cagcccagtg cagtcccggc tgtgttttcc tacctggtga tcagaagtgt 120
ctggtttgct tggctgccca tttgcctctt gagtgggcag ccctgggctt gggcccctcc 180
ctccggccct cagtgttggc tctgcagaag ctctggggtt cccttcaagt gcacgagggg 240
ttaggctgct gtccctgagt cctccattct gtactggggg gctggctagg acctggggct 300
gtggcctctc agggggcagc ctctccatgg caggcatccc tgccttgggc tgccctcccc 360
cagacccctg accacccccc gggtcctgtc ccccaccaga gccccagctc ctgtctgtgg 420
gggagccatc acggtgttcg tgcagtccat agcgcttctc aatgtgtgtc acccggaacc 480
tgggagggga gggaacactg gggtttagga ccacaactca gaggctgctt ggccctcccc 540
tctgaccang cttatcctga gtttggtggc tacttccctc tggcctaagg taggggaggc 600
cttctcagat tntgggggca cattgtgtag cctgacttct gcaggagctc ccaattccag 660
gaaggaaaag agccaaggcc ccacttttgg ggatcagggt ggg 703

<210> 29
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 29
aggtgacact atagaaggta cgcctgcagg taccggatcc ggaattcccg ggtcgaccca 60
cgcgtccgca nttacattta tgtttgtagt tctaagtaag accctgagag attttcaaaa 120
aggaattaat gattattttt gtcttcccca ggattggaac gagttactat gctgtttctg 180
ggattgcata atgttcgtca gacctccatg ttccctcgtg atcccaaacg actcactcct 240
taaattcaca ctttgccact taactccagt gtggatgaca gagcgagacc ctgcctcaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nnccccc 337

<210> 30

<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (608)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (615)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (630)
<223> n equals a,t,g, or c

<400> 30
agggaactca ctgtggtttt ratttgtatt tyctttttta agtgaaagca rgkttattaa 60
gaaagcaaag gaataaagaa tggctattcc ataggcagag cccattgcca ctcagctgct 120
tatacttatt gttacttctt gattgtatgc taaacaaggg gtggattatt catgagtttt 180
atgggaaagg ggtgggcagt atctggaact gagggtttct ccccttttgta gaccatacag 240
ggcaacttcc tgacgttgcc atggtatctg gaaactgtca tggtgctggt ggaagtgtct 300
tttagcatgc tgatgcatta taattagagt ataatgaata gtaaggacaa ccagaggtca 360
ctttcatcgc catcttggtt ttggtcagct tctttactgc agcctgtttc atcattaagg 420
tctttattac ctgtatcttg tgccgacctc ctgtctcatc ctgtgactta gaatgcctaa 480
cctcctggga atgtagccca gtgggtctca gccttatttt actncacccc ctaattcaag 540
atgggagttt ctctgggttt cagacaaccc ctggacatgt tttccccccc ccctttttac 600
agcagaancc ttaantccca acagtcgtan a 631

<210> 31
<211> 571
<212> DNA
<213> Homo sapiens

<400> 31
gaattcggca cgagtcccac cagcccccca aaaaacctct cagtagtttc tttcagtgta 60
caaaatgatg agcatttttc tatgatgagg ttttaaccat tattcagggt ggtcttttgt 120
ttttaaatct ttttttaact aataagattt acggtgtgta ttttatacag aaatgcatta 180
taaatgtttt taattgtgtt ctgttttttg cagtctttaa gtgccatgcc aattgttctt 240
atattctata gaagttcgct caaaatactc aacaggggaa taggcagcgg acagtcagaa 300
tggttggaat tttggctttc taagaaaaac tttattttgc ataagcatgt ggtcagatca 360
ttttgtgcat atgcagcctg gattggatgt taagtaaatg cttgttcagt gccggtacat 420
ttacttaaat ctgtttttat ttttgtcatg tagaatacta ctgtggtcat cataatgtaa 480

tctatttctg tacctttttt ttttttttt actttgaagt cttaaataaa atgtataata 540
cccaaaaaaa aaaaaaaaaa aaaaaaaaaa a 571

<210> 32
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<400> 32
tttctaaaaa tcaggaaaat tagttactaa aaattgctga tcatttttgt ttcattattt 60
ttgttatttc aaatgtataa gctctgggat tctttttgga gcaataccta caaagtcagg 120
caccagaatg tgcctcagag ctgtgacatt tcaacatgat ggttttggtt tggtttggtt 180
ttgtgtcctt tttatttgca gttttttctg ttgcaacaga aagtggcttg gaagtcttag 240
gtggtatgta acaaattctt tttaaaaatt ttaaagcagt atttaagtat tcttaaatgt 300
gtaaattcat ttaatgtttt acttctaatt tcttgtatct tggctgtctg gttttattgc 360
atttttaaaa aaactgaacc attaagkaat tggaaatgaa tgaaggtgaa atnnctgaac 420
ctga 424

<210> 33
<211> 1626
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (607)

<223> n equals a,t,g, or c

<400> 33
ccacgcgtcc gacgcggcgc acgcggcagt cctgatggcc cggcatgggt taccgctgct 60
gcccctgctg tcgctcctgg tcggcgcgtg gctcaagcta ggaaatggac aggctactag 120
catggtccaa ctgcagggtg ggagattcct gatgggaaca aattctccag acagcagaga 180
tggtgaaggg cctgtgcggg aggcgacagt gaaacccttt gccatcgaca tatttcctgt 240
caccaacaaa gatttcaggg attttgtcag ggagaaaaag tatcggacag aagctgagat 300
gtttggatgg agctttgtct ttgaggactt tgtctctgat gagctgagaa acaaagccac 360
ccagccaatg aagtctgtac tctggtggct tccagtggaa aaggcatttt ggaggcagcc 420
tgcaggtcct ggctctggca tccgagagag actggagcac ccagtgttac acgtgagctg 480
gratgacgcc cgtgcctaat gtgcytkgsg ggggraaacg actgncccac sggagggaag 540
antggggagt ttttccgccc gnaggggggc ttgaarggtc caagtttacc ccatgggggg 600
aactggnttc cagccaaacc gcaccaacct gtggcaggga aagttcccca agggagacaa 660
agctgaggat ggcttccatg gagtctcccc agtgaatgct ttccccgccc agaacaacta 720
cgggctctat gacctcctgg ggaacgtgtg ggagtggaca gcatcaccgt accaggctgc 780
tgagcaggac atgcgcgtcc tccggggggc atcctggatc gacacagctg atggctctgc 840
caatcaccgg gcccgggtca ccaccaggat gggcaacact ccagattcag cctcagacaa 900
cctcggtttc cgctgtgctg cagacgcagg ccggccgcca ggggagctgt aagcagccgg 960
gtggtgacaa ggagaaaagc cttctagggt cactgtcatt ccctggccat gttgcaaaca 1020
gcgcaattcc aagctcgaga gcttcagcct caggaaagaa cttccccttc cctgtctccc 1080
atccctctgt ggcaggcgcc tctcaccagg gcaggagagg actcagcctc ctgtgttttg 1140
gagaaggggc ccaatgtgtg ttgacgatgg ctgggggcca ggtgtttctg ttagaggcca 1200
agtattattg acacaggatt gcaaacacac aaacaattgg aacagagcac tctgaaaggc 1260
catttttaa gcattttaaa atctattctc tccccctttc tccctggatg attcaggaag 1320
ctgmacattg tttcctcaag gcagaatttt cctggttctg ttttctcagc cagttgctgt 1380
ggaaggagaa tgctttcttt gtggcctcat ctgtggtttc gtgtccctct gaaggaaact 1440
agtttccact gtgtaacagg cagacatgta actatttaaa gcacagttca gtcctaaaag 1500
ggtctgggag aaccagatga tgtactaggt gaagcattgc attgtgggaa tcacaaagca 1560
aatagtactc cagaaagacc ctgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1620
aaaaaa 1626

<210> 34
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 34
acccacgcgt ccgccggcgc ggtctatggc tgcgacttct ctaatgtctg ctttggctgc 60
ccggctgctg cagcccgcgc acagctgctc ccttcgcctt cgccctttcc acctcgcggc 120
agttcgrgga akctctccct aggtcaggtt ggagtgcagt gctgcaatca cggcttactg 180
cagccttgac ctcctgggct caagtgatcc tcccacctca gcttaaatga agctgttgtc 240
atttctggaa ggaaactggc ccagcagatc aagcaagaag tgcggcaaga ngtagaagat 300
ggggtgggct ccaggcaaca aacggccaca cctgaatgtt gatcccgggt tggcgaaaaa 360
tccctgcaag tcactcctaa tntcctccaa caaaaacaaa gggnaagttg caatttgttg 420
ggaaatccac cagttgaana acaatttttt 450

<210> 35
<211> 960
<212> DNA
<213> Homo sapiens

<400> 35
attttttttt ttttttttt ttttttaaa acaacttctc aaatttattt aactcatgtg 60
gttaacatgg tattgtataa aaagaaaaaa aaaacaccac tcaatactta ctaagccttg 120
cagacagctc agagttgagg cagcatattg ggcatagaga tcataggatt tgtattatcc 180
cttgcaagat ggaactccaa ccaacaccag aattttccaa ttcaaattca gttttagtcg 240
agaccccagc ataattttta gaaaaaagat tggattgttg cttttctttt aattttccat 300
tcctatttag acaaatgacc agaggcaatg acaaaagtaa ctgtttaaaa gggatttctc 360
tccagaagtt ttttctaaag gtttaagtcc aggctttcca tccttctctc catccttttt 420
cattttaaaa agaagggttt tggratwtgt caacctttac tcagcttgct atacaaagcc 480
actgctttag tcctagacat aatgccagga ctcatctccc aaacttctgg tcttaatcaa 540
gttcatgctt ggttgctaaa gaagctcatg ttaatcccaa agtcagcaca atcccaacct 600
taaaaagcag acagcctgat tgcatcactt acgacataca ccatcttgag gcaaaagaag 660
ccagtcagac acccccttgtc tgctacgtgt gagacacatc agcagttgag cctgacccct 720
tccgcagagc tcactgtgca aaatcaccag cacaccactg caatccactg agctcaccgc 780
ctgtccagcc ataatggaag tcacttgaag gttatcattg taatagatga ttttccataa 840
gtaactaata aaaatgtttt ctttgatgtt tagacctact aacaattcag tctctccctc 900
tccatcctct cttagggagc ctgtactttt aagcaaatag ggaagctaaa acctcgtgcc 960

<210> 36
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (362)
<223> n equals a,t,g, or c

<400> 36
taacaattca atatataatt acacaaataa tttttaaata taatcaatag taaagactgt 60
tctgtggatg gtagtgtnta atacattttc tattttgtac agtgatttta ggccaaacag 120
ctgctgattt taagaaaaca aaaggcctga aacccgtctt cgtgtctcct ccctccctcg 180
ccttcctcct tcctagctcc tctcctccag ggccagactg agcccaggtt gatttcaggc 240
ggacaccaat agactccaca gcagctccag gagcccagac accggcggcc agaagcaagg 300
ctaggagctg ctgcagccat gtcggccctc agcctcctca ttctgggcct gctcacggca 360
knccacctgc cagctgtcag caaggcctgg ggaacttcag ccctggatgc agggccttat 420
cgcggtggcc gtgttcctgg tcctcgttgc aatcgccttt gcagtcaacc acttctggtg 480
ccaggaggag ccggagmtgg gagtcctggt ggggaacaga ttggaaggta 530

<210> 37
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<400> 37
gccgcggcca cggggcgcag gggccatggt gcgcggcagg ntcttccggc tctcggtccg 60
ggacgtgcgc ttccccacgt cgcttggggg ccacggcgcg gacgccatgc acacggaccc 120
tgactactca gctgcctatg tcgtcataga aactgatgca gaagatggaa tcaaggggtg 180
tggaattacc ttcactctgg graaaggcac trwagttgtt gtctgtsctg tgaatgccct 240
cgcccaccat gtgctcaaca aggacctcaa ggacattgtt ggtgacttca gaggcttcta 300
taggcagctc acaagtgatg ggcagctcag atggattggt ccagaaaagg gcgtggtgca 360
cctggcgaca sggccgtcct aaacgcggtg tgggacttgt gggccaagca ggagggaaag 420
cctgtctgga attacttgtg gacatggatc ccaggacgct ggtatcctgc atagatttca 480
ggtacatcac tgatgtcctg antgaggagg atgccctaga aatactgcag aaagtcaa 538

<210> 38
<211> 1256
<212> DNA
<213> Homo sapiens

<400> 38
ggcacgagca ttaaccaaaa aatgtgcaaa cacactacta tgatttacca aaagactctc 60
tgcaagtggt aaatcattag ctctagtgtt gctctttgta acctcaggtc tttggggaat 120
ggtgcagaat tagtattgct tccttctttc tgtgtgtgat aatggtgggg gaaggctagt 180
accatctctg tcatacatca aattcccata tgtgaataaa tttatgtatt tttactgcac 240
tcttttttata ggtttatcat tcctgcacca acaacgaatg ccattattaa aactttatag 300

aaagtctcaa tatatggcac agtgcttcat ttctttttt catctagagt gccttagcca 360
ttcttggctt tctgccgttc cacaaatagc aatgtaaatt tgtcagtata atagagaatc 420
cacttatatt tcttcaacag ctattgggaa tatggttggg attacttcaa ctctatgtat 480
caatttgagg agaattgata tctttataag attaatccaa atcacagcat gtcaaaattt 540
ccttattagg gtagttttaa tgtccttcaa aaacactgta ttttcttcat atagatctaa 600
gaaaactttg gtgtttattc ctaagaaatt tatagttctt gttttgtaaa tgatatctat 660
tcttaagtta cacttaaact tatttgttgc tgtatataga aatggaattg acttctatgt 720
acagcagttg caaactgata ttcatatgca gaaagtgaaa ctagacccct aatggataaa 780
agacttaaat gtaagacctg aaagtatgaa actactagaa gaaaacatat gggaaacact 840
tcagtatcct ggcctgggtg aagattttat ggagaaaacc tcaaaagcat aggcaacaaa 900
agcaaaaatg gacaaatagg attatatcaa actaaaaaga ttcagcacag taaaataaat 960
aatcwataga gtgaagagac aaccttcaga agatatttgc aaactattca tctgacaagg 1020
gattaatatt tagaacatac aaggacctca aacaactgag caacaacaac aaaaatatcc 1080
aattttaaaa atgggcgaaa gagccaaata aacatctctg aaaaccagac gcaagtggcc 1140
aacaggtata tgaaaaaaaa aaatgctgaa caccgctaat catcagggaa atgcaaacca 1200
ataccacaat gagatattat ctcattwtgg ctattatcaa aaaaaaaaaa aaaaaa 1256

<210> 39
<211> 666
<212> DNA
<213> Homo sapiens

<400> 39
tggcacctgc aggactgcga agatctcctt ggcgctgcgg ggccattggc ggggatgggc 60
gggggagggg ggcctcgacg gtttcccatc cccctctggc aaccctaatc ttccttctcc 120
atctgggccc tggggcgtct tccaccaccc aggccggatg ctttaaaaaa aattgctttt 180
taaagtgtct gtcgttgaaa gaaattagtc ttacccttga agtcargggc gcgtcctcgc 240
aatacacatc ttgttaggga aagtgttcgg ctccagctak ggttctacaa ggcgtttctt 300
gttcaccgcc ggagggaagc aggctccgga gtgactgcct tctgaaagtc ggtcttgtaa 360
caattggatg ratgcctttg aagagcccct gtccctattc tatgcttgaa aacagcgtgc 420
agtcctaatg ttcaagaacc acgaccacat aaaaacattg ctccccttct gctgctttga 480
aaacgacccc taaattccgt gtagaagttg ccaggtcgtc ttgacgtaca cttcgtttgt 540
atgatgtttg tctgtcaaat actgtgatgg aagagtgtat gcgggggagg agcagggaat 600
ttttaaaarc attttccggk cacctcagac tgggagatca tgttctttcc tgaaaaaaaa 660
aaaaaa 666

<210> 40
<211> 1016
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<400> 40
ctggcnctgc atcctcaaca tcctcaaagg gtacaacttc tcccgggaga gcgtggagag 60
ccccgagcag aagggcctga cgtaccaccg catcgtagag gctttccggt ttgcctacgc 120
caagaggacc ctgcttgggg accccaagtt tgtggatgtg actgaggtgg tccgcaacat 180
gacctccgag ttcttcgctg cccagctccg ggcccagatc tctgacgaca ccactcaccc 240

gatctcctac tacaagcccg agttctacac gccggatgac gggggcactg ytcacctgtc 300
tgtcgtcgca raggacggca gtgctgtgtc cgccaccagc accatcaacc tctactttgg 360
ctccaaggtc cgctccccgg tcagcgggat cctgttcaat aatgaaatgg acgacttcag 420
ctctcccagc atcaccaacg agtttggggt acccccctcac ctgccaattt catccagcca 480
gggaagcagc cgctctcgtc catgtgcccg acgatcatgg tgggccagga cggccaggtc 540
cggatggtgg tgggagctgc tgggggcaca cagatcacca cggccactgc actggccatc 600
atctacaacc tctggttcgg ctatgacgtg aagcgggccg tggaggagcc ccggctgcac 660
aaccagcttc tgcccaacgt cacgacagtg gagagaaaca ttgaccaggc agtgactgca 720
gccctggaga cccggcacca tcacacccag atcgcgtcca ccttcatcgc tgtggtgcaa 780
gccatcgtcc gcacggctgg tggctggcag ctgcctcgga ctccaggaaa ggcggggagc 840
tgccggctac tgagtgctcc aggaggacaa ggctgacaag caatccaggg acaagatact 900
caccaggacc aggaagggga ctctgggggа ccggcttccc ctgtraagca gcagagcagc 960
acaataaatg aggccactgt gccaggctcc aggtgcctcc ctggcytgtc tcccca 1016

<210> 41
<211> 423
<212> DNA
<213> Homo sapiens

<400> 41
agtgagctgt gattgcaaca ctgcacttca gcgtgggcaa cagagtgaga tcttgtctca 60
aaaaaaagaa ataatactag tttttgtttk tagattttgt atcctgaaac tttactgaat 120
gttttttagt tcgaacagtt tttttggtgg agtctttagg attttctcta cttatgatcg 180
tgtcatctgt aaacagagac agttaacttc ctcctttccr atttagatgc cttttctttc 240
tcttgcctaa ttgcctaatt acagcatgtt cctattctgt aaatgttcaa tgaactagar 300
aatgattctt gggtagttaa tattgtcaat gttgatgaac tcttttcctt cgctgaaagc 360
agctactttg ttggaggttt caattctgcg tggcaatttg cagcatttct agtggtactg 420
ctc 423

<210> 42
<211> 961
<212> DNA
<213> Homo sapiens

<400> 42
gcctctacca cctcagttac agacaccacc aaggtcaaac agtgtatttg ctgtcaacca 60
agctgtgtca ccaaactttt cacaaggatc tgccataata attgcctctc cagtccagcc 120
tgtactccaa ggaatggtag ggatgatccc agtatctgtg gttggacaga atggaaataa 180
cttttctact cctcctcggc aggttcttca tatgcctttg acagcacctg tatgcaatag 240
aagtatccct caattccccg tccctccaaa atctcagaag gctcagggac taagaaacaa 300
gccttgtata ggaraacaag taaataattt ggtggattcg tcaggtcatt cagttggatg 360
tcatgcacaa aaaactgaag tttctgacaa aagtattgcc acagatcttg ggaaaaaatc 420
agaagaaacc acagttccct tcccagaaga gagtatagtt ccagctgcta aaccatgcca 480
cagacgtgta ctctgtttcg acagcactac tgctcctgtg gcaaatacgc aggggccaaa 540
ccataagrtg gtgtcccaaa acaaagaaag gaatgcagtc tcttttccta atcttgactc 600
acccaatgtg tcctccacct taaaaccccc ttctaataat gctatcaaaa gagagaaaga 660
gaagcctcct ctgcctaaga ttttatctaa atcggaaagt gccattagcc ggcataccac 720
cataagagaa actcaatcag aaaagaaagt ttcaccaaca gaaattgtgc ttgaatcttt 780
ccataaagca acagctaata aggagaatga attatgcagc gatgtaggaa agacagaaaa 840
atccagaaaa ttcaaaacta tctattgggc agcaaaatgg gggtttgcga agtgagaaat 900
ctatagcttc actgcaagaa atgaccaaaa aacaaggcac atcttcaaac aataaaaatg 960

t 961

<210> 43
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<400> 43
ccaccgcggt gncgaccgct ctagaactag tggntccccc gggctgcagg aattcggcac 60
gagttggagt cctttgctgt tcccaatttg tggaagagtg aagacatcac ccaaatcgtg 120
gccaactatg ggctcatatg tnttactcgg gctggaaatg atgctcagaa gtttatctat 180
gaatcggatg tgctgtggaa acaccggagc aacattcacg tggtgaatga atggwtcgct 240
aatgacatct catccacaaa aatccggaga gccctcagaa ggggccagag cattcgctac 300
ttggtaccag atcttgtcca agaatacatt gaaaagcata atttgtacag ctctgagagt 360
gaagacagga atgctggggt catcctggcc cctttgcaga gaaacactgc agaagctaag 420
acataggaat tctacagcat gatatttcag acttcccatt tggggatctg aaacaatctg 480
ggagttaata actggggaaa gaagttgtga tctgttgcct aaactaaagc ttaaaagttt 540
agtaa 545

<210> 44
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (359)
<223> n equals a,t,g, or c

<400> 44
cgatcacccc cgaaccattt catcacgtat tcttcagtgg ctggacgagg agctgcccga 60
cctgtccgtg tctcgcagaa gtagccactt gcactggggc attccggtgc ccggggatga 120
ttcgcagacc atctatgtat ggctggatgc cctggtcaac tacctcactg taattggcta 180
cccaaatgct gagttcaaat cttggtggcc ggccactctc atatcatagg taaggacatt 240
ctcaaattcc atgccatcta ttggcctgcc ttcctgttar gggccggcat gagcccgcca 300
nagcgcatct gtgttccatt cccaatggaa cagtctgtgg gccaaanatg tccaagagnt 360
tgggcaagtg gtggatc 377

<210> 45
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<400> 45
ttggacatcg tggccaactc tatcaagacc acaaatacca cttacaatta attttaaatt 60
attcatctgt acatagtttt ctaaaatgta tataattcaa acagagcatc ttgtaactga 120
agacacacca tatctatgat atcgcattag tccatgtggg gaaaagaaag atcagattgt 180
tactgtgtct gtgtagaaaa ggaagacata agaaactcca ttttgatctg tactaagaaa 240
aattgtttct gctttgagat gttgttagcc tataacttta gccccaactc tgtgctcaca 300
gaaacatgcg ctgtaatgga tcaaagttta atggatttag ggctgtgcag gatgtgcctt 360
gttaacaata tgtttggcag gcggtangcc ttgggtagaa gtcatcggcc attccnccat 420
tccccggttt aacccnnggg 440

<210> 46
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<400> 46
gtccggctgg gccgggacaa aagccggatc ccgggaagct accggctgct ggggtgctcc 60
ggattttscg gggttcgtcg ggcctgtgga agaagcgccg cgcaacggac ttcggcagag 120
gtagagcagg tctctctgca gccatgtcgg ccaaggcaat ttcagagcag acgggcaaag 180
aactccttta caagttcatc tgtaccacct cagccatcca gaatcggttc aagtatgctc 240
gggtcactcc tgacacagac tgggcccgct tgctgcagga ccacccctgg ctgctcagcc 300
araacttggt agtcaagcca gaccagcttg atcaaacgtc gtggnaaaac ttggtcttcg 360
ttggggttca acctcactct ggatggggtc aagtcctggg ttgaagccac ggttggggac 420
aggaagccac agttggcaag gccacaggct tcctcaagaa ctttctgaty gagccyttcg 480
tcccccacag tcaggytkag gagttctatg tctgcatcta tggca 525

<210> 47
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<400> 47
ttagaaagar agggggctgg gggccgagac ttctgggtcc ctgtatgttg cagagggttg 60
catgtcatct ccatggagaa ggctgtgtac gctgtcacgc aatcccttgt aagaggccag 120
gcccctgggg gaggagggag cagctgtggc tcacacagcc ccaggaaacc acctcttcct 180
tcagtgagtc agatagatag agaatcccgt gacagtgaca ggcaagtgac tagccagata 240
gaaagcattt ttgtgtaata actaattttt gtttgcttct ctctctctct tccccgccct 300
ccccatccgg attcccgtgg ctgtgtgcat ctcctgsctg tgtccccatg tctgcccgca 360
gtgcgcttct ccgagaaggt cactgtccat tcctgggtgt ctnggcaagg ccgg 414

<210> 48
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<400> 48
tcgggtccgg nattcgccgg tgccggggac agaaacctcc tgccttctta gttcataacc 60
ccccccttaca ttagattcta accctgtggt gattttaggt tgggatttgg gcgcctgcag 120
atggctccga agccagcctc ttgtgatccg agccacttct ctggcactcg gagcgctggc 180
acccgcggag cccttggttc accggaccgc ctgggaacct ggccggggtc tctggcagcc 240
tcccagggct gaggttcaga ctctgttccg cctnacccag gtccacacct ggatagggct 300
gggagttgag gcttggtttt naa 323

<210> 49
<211> 841
<212> DNA
<213> Homo sapiens

<400> 49
tcgacccacg cgtccgsaga tttcagcctc acatactaag taaatactga taaataagga 60
aattagaaat ttagtattca taattaaata tgctctaaaa tttcckrtac ttttatttcc 120
tgtttattct taggtagatt ggaaggggga aacagtctgt tctccctaat taaatttttt 180
ctaataacga ttagtagaat atggacattc tatatgacag tgacattaaa agaggctctt 240
tggaagtata tacattatta acataatgtg tacaagtcct tttgaaatga caactttaat 300
gggtttcagc tcttttatct agagcttgag ataattcaag ctgagttttt cagggcatat 360
cacaacggca aagtgttcag cagtgggata tcaatgctta tttacatttt cctactgcta 420
tttatataaa atgttattcc attcagagga tgccttttat ccccacatta aagcacagat 480
cattaagcaa taaaaaccaa attgtctgtc attcaaatta taactgcagt tatttttgca 540
tggtaagagt gaggtgctaa ttttgtgtga gatgaacttt gtaaactact ttgggaaatg 600
ttctttggaa gtaaggtttt ttctccttta gtcttatgct tccacttttg tctcagattc 660
acaatccatt aaaamawggg gaaaaaagaa aargtaaaat tgagagactt ttgttagagg 720
agctatttgg aatgaaccaa cattycasat ttcccaaaat gtaagttagg aagtctccat 780
kgycyckgcc attaccaaaa tacactgkta ctatcttaat ctcaagagtg tcattacagt 840
g 841

<210> 50
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<400> 50

aggaaattta gaaaatgatg aattcttgtc cattttgta atcaagattt taggaaaaac 60
agaagtacat ctatctttat gaaattttgg gcaggttttt gtgtatcaat attttgtact 120
tttagggaat attttatttt ttagttattt gtgtcaaatt ataattataa aaggtacagc 180
agaaaatata ccatgttttt atataggttc acacctgtac ttaggaggga ccctgtccat 240
ctatatactt tttgtataaa attttaaaat gttaaagatc cacaaggtct taataaaatg 300
attctatagc tagaaaaacc attaccttcc cagtggcttg cactaaaata tacctgggaa 360
aaggaaccta gaaagactgg taactaatgc ctggaaatgt tctatattga atgtaccatg 420
ccnctggttn gggaaaaatg tactaataat gggaatggga aataaaccca gaaatccgaa 480
gttaattcca gcctaaaaaa aaaaaaaaaa aaaaggggg gccncccta gggg 534

<210> 51
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<400> 51
ggcacaggaa aaagcacttt cttaagccta cagtatcaga tcaatgggga aaacaacaga 60
aaactaagag gagaattttc ccgttaattt tcttgcagaa aagtataagt ctaattgccc 120
attgccataa attttgtctt gtactcagag aagcaacatg cactggctca ttttatgtgc 180
aaagaaaaga tttcaccatt aaaaaaatta acttggctag gnatggtgtc tcacactggt 240
gaatcccagn cactttgggt ggctnaaggc agatagactg cttgaaaccc aggaattcaa 300
gaccagcctg ggacaac 317

<210> 52
<211> 1789
<212> DNA
<213> Homo sapiens

<400> 52
ggcacgagga aacggacaac aatgttgttg ccaaaactgg atcaggctac cataatcttt 60
tttcttacat tccacttttc tatcttttcc aaatattcca cagtgatcat gtattaattt 120
ttctcttatt ttgatgttgc aaatatttat tttattatgg aaaacggcaa gctacatatg 180
gggaaaaaga aaaattgaaa ttatgcaatg gcctaccact caagagataa ttattaagat 240
tgtggtgtac ttttttctat atacttttt ttaaaggaaa ggatcttact ctgtcgacca 300
gcccctcacc tcctttgact agctgggatg acagcacatg ccaccatatc caagtatttt 360
tgtatttttt gtagagaagg ggtttcatta tgttcaaact cctcagctgg cctgcttgat 420

ccgatgcttg ttagccttga catttacaat gaacacaagt gtgttgccat cttctgtctt 480
cttcacagac aacttagtag tcaggggaac ttgatgatgg ccaagtggtc aagctcctca 540
gggctgtctt ccgtggatac ttgagctgcc ccaggagcca cagcgtctca ggcagctgaa 600
aagtgagtga catgtagggt gtgtgtgtgt gtgtgtgtgt gtgtgtatgt gtgtgtgtgt 660
gtagctgtaa cacctcagcc ttgcctcctt ggccttcaca gcccttgctt tagctttggc 720
tttgagagag gcagaggctc cctcttttgc cctcactgtt atcttggtga aaagccagtt 780
tggcagtttc ttttttaaa aaaatgcaag tatcataatt cagcaatcac atttgggggc 840
aatttatccc agagaaaggg aaatttatgt tcacataaaa acctgaatta acttcaaggg 900
aatgttattt aacaaacagg ttttctcact taactgatta tattcttgat ggatacacaa 960
attaaatctt aatacaatat ctccagtgga tcctccaaag ttgtatctgt tttcatgggc 1020
cagaatgagg gaaagtcatt ctggccattc tcttttgcag agaaggtcat tctcttttct 1080
atatgaggag catctctcaa ctgcaaggtg cagctcaaat atctgtctat gtatagatac 1140
gactttcaaa gtctagatag gaatggcttg aacataccat ccacatttta tggaaaatcg 1200
cttgtttctc ttttcccctg tcttaatctg tttgtgctgt aaacaaaaca aaataccaga 1260
gactggataa tttataaaca gcaggagttt atttctcaca gtttcagagg ctgggaagtc 1320
caagatcaag gtgccggcag gcttggtgtc tagggaagga tcattcctta tagatggtac 1380
catctaggtg tcttcacatg gtaaagggaa ggaagggcaa acagggacct agttggtccc 1440
cgccagacct ttcataaggt cactagtccc actcatggag gctctacccc catgacttga 1500
ttttttccta aaggccccac ctcttgacac tgttgcattg aagattaaat ttcaacatga 1560
attttggagg gaatgcaaac attcaaacaa cagcactccc tcatctatag atttctacaa 1620
ctttcagatt attgcagcaa gtggttccat ctgtaaatca cttggctagc ttatgtgtgt 1680
tgtctctctt ccataacaca tcaacccaag atttccaaca aaagaataat aacttaaaac 1740
aacaacaaaa aaactcactc acacaaagta tgtgtataag caggttgta 1789

<210> 53
<211> 654
<212> DNA
<213> Homo sapiens

<400> 53
aattcggcac aggcatgggt gtccctctgt actcagaatg ggttcagscc aagtcggtra 60
aratggatgt tggcaaaata ggaggatacc ctcatttgct gaatggggga cctgctctga 120
gcctgcccag kggccaggcc tgctccaggt taaactggac ggaaggccca ggtctcagtt 180
tctttcaacc aggagaggcc gctgcctaga gcccctcccc acctttttcct ggatgggtga 240
ggcaagccag gagagcaagc agtgttgtcc tcacgggagg aggactgagc gactgggaaa 300
actcggctct acatctcacc cagaacggct tttagaaaca ccacagctgg agagtcctgg 360
ctgagccttg ggagtttcag ctctttggcg gggtgcccag gtgccatgcg atcagcgaag 420
cctgcgagtt ggcaggactc tgaggtttcc tgcagaccat gccatgagat tgaaggtgcg 480
gggaaataaa gaaaaatcac catttaggag actccattct ttccctacaa cccagctgtg 540
gtcccagaga tcaggggggtg ttgccaggtg tggctgggga agggtctggg ttcacaaact 600
caccggcact ctttagtccc cgtataacat ggtggttaag gataaagatc ttga 654

<210> 54
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 54
ggcacgtagg ggatgcccac cgccagtcaa agggttgggg gtggtctctg caccttaagt 60
actaacctgc cgcccacgcg cctcctgacc acagcacccc gtcggctttc taattctgtg 120
agctgccctc gtgggcgtgg cctccctgtg gagntcccca tgtgcctccc cttggtccag 180
cctgcagcta ggaagtgggt cacagcgacg gggctgggct gggccaggcc aggctccggg 240
agatgtggaa ttggcgaaac aactgcccca gtagtatcct ccgcctaggr ctccaagagg 300
tgggaattgg ggcactacgg ccgggtaagg cagt 334

<210> 55
<211> 474
<212> DNA
<213> Homo sapiens

<400> 55
tgcaaacatg atggatgggg aaagcatagt aactgtactc accaacaaga tgctggagtg 60
acctgctcag atggatccaa tttggaaatg aggctgacgc gtggagggaa tatgtgttct 120
ggaagaatag agatcaaatt ccaaggacgg tggggaacag tgtgtgatga taacttcaac 180
atagatcatg catctgtcat ttgtagacaa cttgaatgtg gaagtgctgt cagtttctct 240
ggttcatcta attttggara argctctgga ccaatctggt ttgatgatct tatatgcaac 300
ggaaatgagt cagctctctg gaactgcaaa catcaaggat ggggaaagca taactgtgat 360
catgctgarg atgctggakt gatttgctca aagggascag atctgacctg aractggtaa 420
tggagtcact gaatgttcag gaagattaga agtgagattc caaggagaat gggg 474

<210> 56
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<400> 56
ccggcctcaa gcaatcctcc cactggcctc acaatgttgg gattacaggt ataagccact 60
gcacacggcc ttactatgct atcaattcca tatatggaaa ggtgttttcc ctttcagagc 120
tctttaaagc tctgcagaag atttacatgt gtttatagag ctaagagaaa tcagggcatg 180
gaaattgagt gtgtaataaa aattaaactc ttcatgttat ataatcatgc ataacttcta 240
tcttcattcn cnggaagttg cctagagcac catcacagct aggaagcttc catcatggat 300
taccttattt cccaaagcaa gtactccaat aattgtctca agagaggaag gacaactggt 360
taccagc 367

<210> 57
<211> 564
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<400> 57
caacccccta cagatatcaa gggaccacta tacacattag gatgatctat attgaaatct 60
acatggaaca gagtgggact tctaattgta tgacttcaag attttgcttt gtttaaatta 120
ataactgttt tcagaattaa gtgcttaaaa acaaatttga ttgaaaagtt caagacaaga 180
attttgctct ctatggctgt tccatataaa tttgatggtt gattctgaat gtaaatgact 240
gaagaattaa aaaataagaa attccttttt aaaaggcatg cctcttgcac tgtgaacaag 300
acagtagtcc cttaaaccat gaatatgtca gtgttctatg gattacgaaa ttagtaatgt 360
tgcttagccc aaacgtgttt tttaaaaagt atagttttgt acatctcyaa gttatcaaac 420
ttcaaaattg agaacaaatt taaaagtcca tatatgcaac tctagtaagc acttaatagg 480
ttacatagca ctggttaaga acaattaatt ttgtttctat attattacta attattatta 540
cnaatcaaaa aacactgtga taag 564

<210> 58
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 58
ggcacgaggg aaaaccataa ctgcctctta atttaacata gaataataca tagttctgta 60
ttttttttaa agtgagctta atgggtaagt atttttata tgctttagct atagctaaag 120
aaaactgata cttaacaaag ttgaatagta ttattcactg gtgctcctaa aatattgttt 180
ttcagtgtaa aatatgcata tcttctatat ttaatatgaa agtcttgaaa tgtatcagac 240
agaagggkat ttcagtttgc aaataatgag caatgtagca attttaacac atttcataaa 300
tatatatttt gtcattggtg gagagcacca tttgttgttt tgaatatact ttaaaggnaa 360
gaggtacaag ggacataaat gntgagatta cctacaggat ggaaatagca gtacagttcc 420
attggtagat attttgaaat gttt 444

<210> 59
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<400> 59
ttgagctcta aatgcaaaac tcttttatac tgaaaaaaca cttaaagyag ttttgtgtgg 60
catcacagtg atttgtcatg aaaagccata tatgggggac atgctaaaat ggcttctgaa 120
tgaaatacga cagcagagaa agatgccact gaaatgctga aattatcttt gctgagcagc 180
ttttgaatgc taagggttcc agtatgtgac ccaaagaagg agttgtctca actccttggt 240
acagggttca ttcaaacccc caagctgtga gagtgtgttt atttttaatt ttttaaaagg 300
tatttaattt ccaaccacac ttcttannnt tttggaaaan gacaatt 347

<210> 60
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<400> 60
agctggggcc aaaaatagac cagaattatc tgctacttga atgtttggca aaactctcct 60
agaaaactga gtctgatgtt tgatttgtgt aaagacttct ttaacttttc taactcaatt 120
tttactaagt tataggacta ctcagatttt gtttcttttt tgctcaattt tggtcaattt 180
tgtttttgtc tatgtcacct aagtttycaa atgtattggc atgaatattt ycataatatt 240
ccctnattat cttttacatt tctggggtat cttagcggtg tttccctttt tatccctaaa 300
atgtttatcc atgctttctt nt 322

<210> 61
<211> 834
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (793)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (810)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (814)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (834)
<223> n equals a,t,g, or c

<400> 61
gatatgatgc ccctccttca taattatgta acagttgata cagacacact tctgtctgac 60
accaagtatc ttgaaatgat atacagtatg tgcaaaaagg ttcttacagg agttgcagga 120
gaagatgcag agtgtcatgc agcaaaattg ttagaggtca tcattctgca gtgcaaaggg 180
cgtggcattg accagtgcat tcccttattc gtggaagcag ccttagaaag actgacaaga 240
gaggttaaga caagtgaact tcgaactatg tgtctgcaag ttgcaattgc agctttgtat 300
tataatccac acctactact cmatacctta gaaaatcttc gcttccctaa taatgttgaa 360
ccagttacma atcattttat tacacagtgg cttaatgatg ttggactgtt tcttggggct 420
tcatgacaga aagatgtgtg ttctcggact ctgtgctctt attgatatgg aacagatacc 480
ccaagtttta aatcaggttt cyggacagat tttgccggcy tttatccttt tatttaacgg 540
attgaaaaga gcatatgcct gccatgcaga acatgagaat gacagtgatg atgatgatga 600
agctgaagat gatgatgaaa ccgaggaact ggggagtgat gaaagatgat attgatgaaa 660
gatgggcaag aatatttgga gattctggct aagcaggctg gttgaaagat gggagattga 720
tgaaagattg ggaagaaaga tgatgctgaa agaaactgct ctggaaaggc tattcccaca 780
atcattgatg atnaaaaaat aaccctgttn gatnaatttc caaatatttt aaan 834

<210> 62
<211> 1796
<212> DNA
<213> Homo sapiens

<400> 62
aggggcaaac ctaacctggg atctgacggg atgcgttttg ccagctcaga tctcctctgc 60
tactggaaac ttgcattatt tacagccatt aggagctccc tggcttccat tccactcatg 120
actagcttta cctctttgac cccactgtat tattgtctag cccagttcag ctgaatcttt 180
caacacaaaa tatacaggga acccccttcct ggggaacttc ctttgttatt gaggtcttcg 240
ctgatggctt cttccatttg atactcagtc tcagtcacag taggattacg gaatcttttg 300
ccagagtatc aatctacatg ggtgctacac attactgaaa aaaattagga acatggtgct 360
agttaattca agtcttcatg taaaacttct tctatcatag tggacattaa aaaaaatctc 420
tctgcaaagt gcattgaccc tacctctagt agatgaatgt tgaacaagta gcctatctag 480
gaagcaagtg actagcatcc atgggcatcc cacaggttgt agtccagccc cgatcttggt 540
ggttgggatt gatgttgctg ccaagtccct ccgtttcatg ttcaggctct gcctatgttc 600
ctggtgtctg gtacctgatt tttcaggatg ctgacattta cttcttgccc acaacaccat 660

ataccctaag tcttgccaac atctttgaat gtcttctgct ggtctgtctc tcctccgttg 720
ttcttttact atgtcccaag tgcatgcttt gttcagtatc tgcctaagtc tcaggatamt 780
gattttagct ttttactagg tcctgacatt cccgtagttt cctcttacct ttctggacat 840
gccagacaaa ctctgacctt aggttctgtg aaaactggta cctgcagaat tcctcagtgt 900
ttgtttatat gaaagttcat tgtgcctctt gattgtgggt gagttgagga aaagaggtaa 960
agcagtgggc agaggttgca acatttattt ggttatagga caccttttgct actggagcat 1020
cttgtagggt aatgtagttc agaacatgca tggagaaatg ctgccataga gtagtagtga 1080
catttgggac ttgaaaaaaa tcttaagagc aggtataatt ccctcaacaa cagaagaaca 1140
tcagtgcttt agaatgtttg attttgaact ttcttgatgt tttctctgcc gttctgtagt 1200
gttattctaa ttaaaatctt tcctctaaac tctgctcttt tttttccaat tgagcaaatt 1260
cggcatttat tgaggcccta ctacatgtca tatgctgttc tatttgctgg aaacacaaat 1320
gtgaatatgg taggcctgcc cttaaacaat gaattacagt gtaaaatgaa ccttttataa 1380
agctggtcct atatcaatct aattattttg tttttcttca tttcaggcct aagacagctt 1440
tattttcttt ccactccaaa taatgaagaa tcccccttagg gcaaagaagg aatttctgag 1500
catgttataa aaaaatagaa aataggataa gttgcgtgaa gatttaatat ttctatacat 1560
caaaacctac cataaacaaa attaaaaggc aaatagtaaa cttggaagaa catttgtaac 1620
ataaaagaca aaagtttaat atcataataa aataagcaca tagtagcttt tagtaaatca 1680
ttgctgaatg aatgaataca tatatgaatt caaagcaatg aaaaaatcac cccaggaaaa 1740
gatgtaaaca tttgacatag gacaagtcac caaaaaaaaa aaaaaaaaaa ctcgta 1796

<210> 63
<211> 1376
<212> DNA
<213> Homo sapiens

<400> 63
ggcacgagtt ttggactagg tcgcacagtt attaaaacaa cttttaaccc tccccccttca 60
cacacataca tatcaggttg ttttctagtt aaaaacccaa gtagctcaga ttctacttta 120
atgtcagtgc agatttgcat tgaatcatgc cattatgttt tttctcattt ttatgctgtt 180
gggtcttagt ttttaaattg atataaagaa ctcagcaatg gttttatttt ctactcatac 240
ttagggttta ggaaacacta ccactagtta tcatttaatc aacttcaatg gtctactgaa 300
acaaaaatgg taacttttca ttagtggatt atttagagtt atagtagttg tttccagaaa 360
acacttcctc acaattgtac ttcccaatca aatcatgtga tcatacagtt attcccatga 420
aaggcagaat gtttgtttca aaattaatct agttttctgt acatttaaat ttgagaaggt 480
gacaactggc tcttttccag tcttccttca tgtcagtttt ctgatagacc actattggca 540
aacagtatct gtcaactacc aaatgtgtaa aattttctgt atttcacttt gtcttatttg 600
taaatagtga actaaaactt ttggcagatc agcaacattt gctgagcctg ttttttaagc 660
taatgtgtat tcttactaat gttcctatca agaatggatt tgtaatatat gctgtctatt 720
tctaatgttc acattcatat tttgaggttc tatcttattt taatagagaa cagacttctc 780
aaaaaatctt cagaagcagc ttattattga aatatcgaaa tattgaaata aacccggtgg 840
ggttagatta ctcatctgtc caccaagtgg gacatttgca tggactgggg gcttaaagga 900
cttagaagag acctgtaagt aaatcctgaa aatgagccaa tccccacttg aatggttact 960
ggagtaaacc caccttttacc accccaatta cagcacccga ggccgataaa ccaacttggc 1020
tctggttcat ttttcttttc ttcatttgtg atgctcagat tcaaaatgtg tgttctacac 1080
tgttacaggc ttctcttttg tttgattaaa gattttagtc ctacttttgt atggacacat 1140
tagaatattc agagaccaaa atagaagaat ttgctgttag atatttttca gaagtcagca 1200
gatttgtggc aaatcattta tttgcctttt taaaaattca tttaagcagt tcagagagta 1260
gactactcag aaaattattt cacgtaattg tctaagaggt caatattttt taatgcatat 1320
tgaatcaaat aaagtgctct aaagaaatta ttctccaaat aaatttttaa aaaaaa 1376

<210> 64

<211> 574
<212> DNA
<213> Homo sapiens

<400> 64
ggcacgagct gaaaggtggg ggaagggaac gtagacctag agaggggaat tcttacagaa 60
atcctctttt tttggtccct tctatttttc agtctccggc agcctcttgg tcatgaaagc 120
cctcagattg tcggcttccg ccctcttctg ccttctgctg atcaacgggt taggggcagc 180
acccccctggt cgccctgagg cgcagctcct cctctcagct ctgagcataa agagccggta 240
gccggggacg cagtgcccgg gccaaaggat ggcagcgccc cagaggtccg aggcgctcgg 300
aattccgagc cgcaggacga gggagagctt ttccagggcg tggatccccg ggcgctggcc 360
gcggtgctgc tgcaggcact cgaccgtccc gcctcacccc cggcaccaag cggctcccag 420
caggggccgg aggaagaagc agctgaagct ctgctgaccg agaccgtgcg cagccagacc 480
cacagcctcc cggcgccgga gagcccggag cccgcgtccg cctcgccctc agactccgga 540
gaatgggccc gaggcgagcg atccctccga ggag 574

<210> 65
<211> 603
<212> DNA
<213> Homo sapiens

<400> 65
cccacgcgtc cggctggact gttttgatct cttttaattg ttctgacaga tagttgggga 60
tgagagccga ataaggtttg cctgaaataa ctgacactat ataatttctg ctttggcaaa 120
tactaagttc taacttgtca ttcctggtag aacaagcttt atttttcgag cctagcaatg 180
atctagaagc agatgttatc tcagtgcctt ttgcaatttg ttgtgtgggt ttttttttt 240
ttaaagccac acaataattt tggaaaacaa tgtatgggta gaacatgtgt ctgttaattg 300
cacacaaaac cacttttaat gggtacagag ttaaatttga aggaataagt tcataatact 360
gaagctagaa ccaagcagaa tctgtttttt tctgaggagt atcggtagca taaatgtgat 420
tataaacata gtacacttga tatatggagg cagtgacagc tatttttaca aaatttaaat 480
ctgcaaatgg attcaacatg tttatgggtt attaaaattg tctgatttct taggttcttt 540
atagtacacg tgttgaaaat aaatgattaa gaattgtttc aagaaaaaaa aaaaaaaaaa 600
aaa 603

<210> 66
<211> 1772
<212> DNA
<213> Homo sapiens

<400> 66
tcgacccacg cgtccgggag gatccccagc cgggtcccaa gcctgtgcct gagcctgagc 60
ctgagcctga gccgagccgg gagccggtcg cgggggctcc gggctgtggg accgctgggc 120
ccccagcgat ggcgaccctg tggggaggcc ttcttcggct tggctccttg ctcagcctgt 180
cgtgcctggc gctttccgtg ctgctgctgg cgcactgtca gacgccgcca agaatttcga 240
ggatgtcaga tgtaaatgta tctgccctcc ctataaagaa aaattctggg catatttata 300
ataagaacat atctcagaaa gattgtgatt gccttcatgt tgtggagccc atgcctgtgc 360
gggggcctga tgtagaagca tactgtctac gctgtgaatg caaatatgaa gaaagaagct 420
ctgtcacaat caaggttacc attataattt atctctccat tttgggcctt ctacttctgt 480
acatggtata tcttactctg gttgagccca tactgaagag gcgcctcttt ggacatgcac 540
agttgataca gagtgatgat gatattgggg atcaccagcc ttttgcaaat gcacacgatg 600
tgctagcccg ctcccgcagt cgagccaacg tgctgaacaa ggtagaatat ggcacagcag 660

cgctggaagc ttcaagtcca agagcagcga aaagtctgtc tttgaccggc atgttgtcct 720
cagctaattg gggaattgaa ttcaaggtga ctagaaagaa acaggcagac aactggaaag 780
gaactgactg ggttttgctg ggtttcattt taataccttg ttgatttcac caactgttgc 840
tggaagattc aaaactggaa gkaaaaactt gcttgatttt tttttcttgt taacgtaata 900
atagagacat ttttaaaagc acacagctca aagtcagcca ataagtcttt tcctatttgt 960
gacttttact aataaaaata aatctgcctg taaaataaat taaaaaatcc tttacctgga 1020
acaagcactc tctttttcac cacatagttt taacttgact ttccaagata attttcaggg 1080
tttttgttgt tgttgttttt tgtttgtttg ttttggtggg agaggggagg gatgcctggg 1140
aagtggttaa caacttttt caagtcactt tactaaacaa acttttgtaa atagacctta 1200
ccttctattt tcgagtttca tttatatttt gcagtgtagc cagcctcatc aaagagctga 1260
cttactcatt tgacttttgc actgactgta ttatctgggt atctgctgtg tctgcacttc 1320
atggtaaacg ggatctaaaa tgcctggtgg cttttcacaa aaagcagatt ttcttcatgt 1380
actgtgatgt ctgatgcaat gcatcctaga acaaactggc catttgctag tttactctaa 1440
agactaaaca tagtcttggt gtgtgtggtc ttactcatct tctagtacct ttaaggacaa 1500
atcctaagga cttggacact tgcaataaag aaattttatt ttaaacccaa gcctccctgg 1560
attgataata tatacacatt tgtcagcatt tccggtcgtg gtgagaggca gctgtttgag 1620
ctccaatgtg tgcagctttg aactagggct ggggttgtgg gtgcctcttc tgaaaggtct 1680
aaccattatt ggataactgg ctttttttct tcctctttgg aatgtaacaa taaaaataat 1740
ttttgaaaca tcaaaaaaaa aaaaaaaaaa aa 1772

<210> 67
<211> 1829
<212> DNA
<213> Homo sapiens

<400> 67
cggcacgaga ttggagccta tttagtggat tttatgcagc caaagatgtt tcttgttgtt 60
gttgttgttc ttgcttttaa ctaatttgcc tcccaggaga cagttgaaat gtctagagac 120
attttgatta ttatgcctgg caggacgcca ctagtggcat ctagtggatg gagggtaagg 180
gtgctgctaa gcgtcctccc atacacagga cagcaccccc cacaaagaat tatccaaccc 240
caaatgtcag tagtgctgag gctgagaaac cccactctgc tctctaacca aaattagaca 300
cagaaagtgg agacattcta ccaccctgac aacatcaatg gcttttgccc atttaaaaca 360
agaaagagga atatgtatcc aacccaaaac aacatcttaa cattctttct aataggcttt 420
tgcaaaaata gttcatattt tataactgtc ttgcagcatg gggtataagt gtaatcattg 480
taaaaatgaa acctaatcat tgtaaaaatg aaacctaatc atggtaaaaa tgaaaagagt 540
gcctcaaaac atctgaagtt cttagcaaaa ggcagcctgt cttcagtggg cacttttgga 600
tggaggcagg actagggtat cagtaggagt gagaacaaag gtcagaaaaa tgagtacaca 660
gcacatgtat actgattaat ttctttcttt tttccttctt ttgatggagc aagactgtaa 720
cagaagcctg agagtgagga agggctttgg caactattac tgtagacaca gtagtttact 780
caattttatg aactcttagt cctgggctgg aattcacgcc tctgctggaa ttgcacagac 840
aaaacgtgct tgcgaggagt aaggtggcaa caaaagaaaa atgcaggcaa aaacacgcct 900
cattttgaaa ccggatctga gcatcctaga gccagagcct ctcccagcca acattgctga 960
gttgagcaga gtgacagact ccacactgga gccagccccg cagctggcca taaggaggag 1020
ccacgagcag gtgctgggaa gacaggcttt tgaacgcaca ctatgctgat gtctctttct 1080
gtgaagtttt ctacatgagt gacgttctca aagtctgcaa cacagtctgc catgagatgc 1140
ctttttcct ctgggaacac aatgctactt tcgtgattgg ctgagtaatg gcccccaaag 1200
atgtactctt catcctaatc cctggaacct gtaaacatgt taccttatat ggcaaaagag 1260
acttcgggca ggcacctgtc atcccagata ctcaggaggc tgaggcaaaa gaatcgctca 1320
aacctgggag gcggaggttg cagggagcca agattgtgcc aatgcactcc agcctgagca 1380
acaaagtgag actctgtctc taaaaaaaaa aaaaaaattt ctcagatgtg actcagtgaa 1440
ggattttgag atggggagag tatcttggat tagccaggtc tgtgagaact cctgacgtct 1500

gaagcttgac tcccaagttt ccatagcaac aggaaaaaaa aaaatctatc caaatctgaa 1560
gattgcggtt tacagctatc gaacttcaca actaggcctc aattgttccg gttttttatt 1620
ttctttacaa tttcacttag tctgtacttc atcattttga cagcatcttc ctccctcctt 1680
taattaatgg aatcttctga attttccctg aatgtttaaa gatcatgaca tatgacttga 1740
tcttctggga gcaggaacaa tgactacttt ttctggtgtg ttaacatgtc ggtgccgaat 1800
tcgatatcaa gcttatcgat accgtcgac 1829

<210> 68
<211> 1688
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (912)
<223> n equals a,t,g, or c

<400> 68
acccacgcgt ccgctcatgt ggacttatgc cagtctagag gcagaatcag aaggcttggt 60
tgaacatatc gctttccctt tttcctctcc ctccgcccct cccagtacag tccatctttc 120
aatgttgcag cctggttgag aaggagagaa aaaggtggca ggaatttcca ggagatcccc 180
aagaatgctg ccttgtctgt ggacaaagat ggaccatgtg cccttcggaa ttagggatag 240
aaacaaatat tgtgtgctct taacgattaa gctgtgttat ggtgggtttt caggttttta 300
cctttttttct ttaccccttt actctgcaag aatggggaaa gaatgcatac tgcgaaaatg 360
agtcttttaa attctgtctg cctactagtt ttaagtatat ggtatgttgt aaaatttcca 420
atgatgagag acagcacaat aaatgtacct tatctcctta ggctgaaggc cataactaca 480
tagtggagta atttaagaac tctcttgcct tcaccaaccc aaaaggttgc tttttgatag 540
caactggcta atgaatttt aaaaaagagaa gaaaaatact agttttcccc tcttttggga 600
aatagatttt aaatggctaa actactagcc ttaaaactac tagtctataa atcaactacc 660
acttttgtga atctgacagg ccacattttt atatggccct ttacagaatg gagtgtgttg 720
aacaggatac taacgccatg gagttgagct gggcctagcg atggagggac actctaacac 780
aactttccct cagctattat gcaacagatc agggaaaaag atgggatgac agatggggtc 840
agacagaaag agcttctggg aaacaagctt acatagtctt ttttaaaatg cacaaagcct 900
cccagctaag angtcacttg gtttgggctt cattaggact ggagactttg ttggagttct 960
ttctgggaac ttggagagtg gatgatattc aggctctgaa acattcccag cgctctcccg 1020
agggtgccac tttctcaaga tgaaaactgt gactgaaaaa attaataata aatgtttctg 1080
agctgcctgt gttctccctg tgtgggtgag agaagggact agactcctaa gcctgcctca 1140
gatacaagag ggatcattgg ctccaatttt agagaacttg aaagcaaggc tttggacaaa 1200
attttgagac cctaatcact ttaccttcct ccaaattacc caacatacgg taaacaacat 1260
ttgtgcagaa gtatgtatgt atttagttca ggttgacttg tgtccttata aactgttact 1320
caaatgattt gaacttttat gcgactggga ttttttttt ccaaagctac aagcatggcc 1380
gcctgtggta tcgaggtgtt gcaaacaata tctgtgttgc gcttcctgtt ttaacctacc 1440
tcgttttgtt tgtttttgtt tcactgttca tcacagcagt gttatctcca ggagacatat 1500
agagagctca accggcaatc tcaggtgcat ttaacatttt taaaacgaaa cagtagttga 1560
ccaaattttt cttcttaaaa aattggaagt ggggggaatc caatgacaaa aactaatgtg 1620
gcttgtttct ggagaaaata attactgtaa atggaacaac aacaacaata aaacacacgt 1680
taaacatc 1688

<210> 69
<211> 565
<212> DNA

<213> Homo sapiens

<400> 69
tcattttgtg gacgaatatg atccaacaat agagagaaca aattaaaaga gttaaggact 60
ctgaagatgt acctatggtc ctagtaggaa ataaatgtga tttgccttct agaacagtag 120
acacaaaaca ggctcaggac ttagcaagaa gttatggaat tccttttatt gaaacatcag 180
caaagacaag acagggtgtt gatgatgcct tctatacatt agttcgagaa attcgaaaac 240
ataaagaaaa gatgagcaaa gayggtaaaa agaagaaaaa gaagtcaaag acaaagtgtg 300
taattatgta aatacaattt gtacttttct cttaaggcat actagtacaa gtggtaattt 360
ttgtacatta cactaaatta ttagcatttg ttttagcatt acctaatttt tttcctgctc 420
catgcagact gttagctttt accttaaatg cttattttaa aatgacagtg gaagtttttt 480
tttcctctaa gtgccagtat tcccagagtt ttggtttttg aactagcaat gcctgtggaa 540
aaagaaactg gaatacctaa gattt 565

<210> 70
<211> 675
<212> DNA
<213> Homo sapiens

<400> 70
ccagcatcag aagttctgat ggatgatgac cttcagaaaa gtgtggatat gatcatggat 60
atgttttgtc ctccaggaat aaaaattgat gcatatccgt ggttggaatg cttcatcaag 120
tcatacaatg tcacaaatgg aacagataat caaatttgct atcagatttt tgacaccaca 180
gttgcagaag atgtaatcta atattgccat ccaatttagc atacataaaa tgttgccact 240
caccttccct gtttgagctt cttttcctga cctgagtttt gtatcagcaa tgttgatgat 300
gttagcatgg gtatgggatt agaaaatgtc cttaccttaa atctcttggc ttttactggg 360
tgcaaggtaa ataatggcta tggattttgt tttgctttct gttttgcttt tgtacaaaga 420
gacctgctta aacaagtact gctgagataa gtgtctgatc aagctacagt gtactttaag 480
tagaaatggc aaagttgctt tgttggggtg ctgatactga tgattttagg ataaattcat 540
ttctttaaac ttgtaataca tggttttatt gcttgtttct cyccaggata gtagagattt 600
ctctatttca cctcaamcta ataaaagtgg tcagatttat aatgttaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaa 675

<210> 71
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<400> 71
ctgagatgcc acaagaagca gcacagtgat cagagtgaga acaagaactc agacttggtc 60
accttcccac cggaaagcgg tgcctcggga cagctcagca ccctggtctc cgtggggcag 120

ctcgaggctc ccctagagcc cagccaagac ctctagctca gccgaagagg gtggtcagct 180
gtcggaactt ctgaccagtg ctgttgccca gccctccaga ggtgaggcca ctgagagaca 240
ggctttnggc accacttctn gggctggccg 270

<210> 72
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<400> 72
tatctcttgg cagcaggggt tgcaactgag aaacatgcaa ggtgggggat aattggatct 60
tgtggctcag cctaccaaag tgctgggatt acaggcgtga ncaccatgct cggccagtca 120
gtatcatttt ttaaaaatgt agaacctggt ttgatgactc taattaaatt gtctgccaat 180
tactgaagag ctactacata ctagwttctg ggctttagtt ctaaagccca cagcaacctc 240
atgaataaat attattagcc ccactgtata gatgagataa cagactagga gggagaagtt 300
anggaaactt gcttaatgcc tcctgtttag aaaatagctg aactggaatt cagccctgtc 360
ttccatttca ccctgcctgt gtctcacgca cagaacaccc ggggatccgc tggttcccaa 420
agcactgatg agaaccctaa tttgtcaana ttcctgggnt ccagtaaatg gtggtccaga 480
atggtgggtg atctgatttc atattatctg ccaggtgaaa ngtttctgcc tggcaaaa 538

<210> 73
<211> 1071
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (1010)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1048)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1062)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1066)
<223> n equals a,t,g, or c

<400> 73
ggcaggaggc tgccggggcg cgggctgctg cgggagaagg ggctccgagg agtccgccgc 60
ggctcgctct gtcgccggcg cgggattggg gcgcgagggc catgggcgcg ctctcctaag 120
gcggaggtcg cgggcgggag gggaggaggc ccgagagagg ctgctgcgaa ggccgcgggc 180
ccgtgactgg gcgcgaggcg gccggcggcg gcggcggcac cagcaccacc atgtcgcgct 240
cagtgctgca gcccagtcag cagaagctgg cggagaagct caccatcctc aacgaccggg 300
gcgtcggcat gctcacccgc ctctacaaca tcaagaaggc atgtggagac cccaaggcaa 360
aaccatccta tcttatcgac aaaaacctgg aatctgctgt gaaattcata gtcagaaaat 420
tccctgctgt agaaacccgc aacaacaatc aacagcttgc acaactacag aaagaaaaat 480
cagagattct gaaaaatctg gcattatatt acttcacatt tgtagatgtt atggaattta 540
aggaccatgt ttgtgaattg ctgaatacta ttgacgtttg ccaagtcttc tttgatatta 600
ctgtaaactt tgatttaaca aagaactact tagatttaat tataacctat acaacactaa 660
tgatactgct gtctcgaatt gaagaaagga aggcaatcat tggattatac aactatgccc 720
atgaaatgac tcatggagca agtgacagag aatacccacg ccttggccag atgattgtgg 780
attatgaaaa ccctttaaag aagatgatgg aagaatttgt accccatagc aagtctcttt 840
cagatgcact aatttctctt caaatggtat atcctcgaag gaatctttca gctgaccagt 900
ggagaaatgc ccagttattg agcctcatca gtgcacctag tacaatgctt aatccagcac 960
agtccgacac tatgccttgt gaatacctct ctttgggatg caatgggaan attggattat 1020
ctttggcttt atttgtgcca tggggatnct taaatacttg angctncagt a 1071

<210> 74
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (624)
<223> n equals a,t,g, or c

<400> 74
gttgcagtga gccgagatca caccactgca ctccagcccg ggtgacagag caagactccg 60
tcataaatga ataaataaat aaataaataa tangtnacga tccattgtgg cttcctggaa 120
acatccatgt tcacagctgg ggtctggtca gtctgcatag tggagcacac tgctaggatg 180
catccttagc aagtgaaaaa agtgaggctc agaactgttt gtagagtata gccttttatc 240
taaggaaggc agatgaagac tggcttatga taaaggtgct aacccccaga ctagtaaaaa 300
tggggttccc tgtggagtag ggaaggggca gtgttataag ttggatttct ggccatatct 360
gctatagtac tgatcatgga actctagggg aggaaagatg ttttccttct acccatctta 420
tgttcattgg ctggggctcc tggaacagaa gacagatttc caaagagaaa ggcacacmaa 480
tttatgtaat ataagtttwc catgacmtgg gagcctttat aaggaatgac cccaaggaaw 540
tggttaaacc tgagtggttt tgtgtaaggt tttaatgagc aatgaaaagc tatggggacc 600
tatgatagga ggatgtaanc taanccaatg acctgggggа 640

<210> 75
<211> 507
<212> DNA
<213> Homo sapiens

<400> 75
ggagcttcaa catatgaatt ttcagggtta tcattcagtc caaagtactt aakatgattc 60
ttttccgttt ccacatagac aatcacataa tctgtaaata atgactctta cttttccact 120
ttagtcgtta ggttatacct atatatatat wwwmwtgctt tactggacta atttcaacct 180
ccagcacacc accaatgaat agcagtaata ccagcataat tgtctgcagt tctgctgaga 240
tacgtgctct attttattgg cttggctgta ggtttttatt ttatttttтg aagaggctaa 300
tctcttacag gaaaggtttc tttttatatc cagtttttac atgatgaatg atttcccagt 360
atttcataat tcatgaggct gaattcctct tgaatttatt aaatgcttcc tgtgcatcct 420
ctgtgatgat catgtttatt tactgctaga actcaagtac ctagaactgt tcctggccaa 480
tgatggtatg taataaatac ttcaatg 507

<210> 76
<211> 1390
<212> DNA
<213> Homo sapiens

<400> 76
ggcacgaggg agtctgatgg ggagaagaag tacccatgcc ctgaatgtgg gagcttcttc 60
cgctctaagt cctacttgaa caaacacatc cagaaggtgc atgtccgggc tctcgggggc 120
cccctggggg acctgggccc tgcccttggc tcacctttct ctcctcagca gaacatgtct 180

ctcctcgagt cctttgggtt tcagattgtt cagtcggcat ttgcgtcatc tttagtagat 240
cctgaggttg accagcagcc catggggcct gaagggaaat gaggcagctg ctgtgtcccc 300
acggaaacaa ccatctgggg actgctggga aatgctgtga atgcggaggg aagtgatgtt 360
tgggttctgt agctgagaga tttttattca tttttaactg ccccccaacc ccactccaac 420
tccttctcca ccacccattc tcccaatggt ctttagaaat agattttcat ctgatattct 480
gcagaaatat caatgagact tggtatggga caggggcaga aaacactaca taggcctcca 540
aggcaaaacc agtcccagtt tctttaatgg gaagaagctg gaattcctgg tgctcaattc 600
ttagtgaccc caatcctata cccaaatcta tgatattctg ggacctcagt gattttggtc 660
ccctcccact tctctagttc gtcatcctcc cttcccatat ccttcaaaag aaccacacta 720
gggtctccac ctacttatac aatgcggatg cccaactgtt tttaaggaag ccagaagcat 780
cccatggacc atggggtgag tgtcctccaa gagccccctg agctcagccc tctgcctgga 840
gggctccaga cctttctgag ccctgcttgg aggcgagcat tttcactgct aggacaagct 900
cagctgttga ggacaccccc accccaaatt tcagttctta cgtgatttta accattcaac 960
atgctgttgg gttttaattc tctaattatt attattattg ttattatttt ttaggaccag 1020
ttgtagtgaa ttgctactga aagctatccc aggtgataca gagctctttg taaaccgcag 1080
tcacacatta gggttagtat taaactttgt ttagatgtac cataattaac ttggctagtt 1140
gattgtttga agtctatgga agaaatagtt ttatgcaaaa ttttaaaaaa tgccagtctg 1200
gtcagggaag taggggattt caatgctgtt gggaaccagg aaggtgggac agccggcagg 1260
tagggacatt gtgtacctca gttgtgtcac atgtgagcaa gcccaggttg accttgtgat 1320
gtgaattgat ctgatcagac tgtattaaaa atgttagtac attaaaaaaa aaaaaaaaaa 1380
aaaaaaaaaa 1390

<210> 77
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (738)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (748)
<223> n equals a,t,g, or c

<400> 77
gggcacgagc tcgtgccgaa ttcggccang aggnacctga gcagtctaac tactccagtt 60
agacctaagg gcacaaatgc agaattcatg accttgtagt tgtggcaggg tctaggaagt 120
cctctctccc caagtagaaa atattctctt gccattcctg aaattccaca ttcatataat 180

ggctgtgcaa tacatgcttc tcaataagaa aattaactgc atgtttactg tgtgctgatc 240
acatcagatt tttatgttta aaaaaatctc attatggatt gagtccagcc cagctctaag 300
agaaaaagaa ggcccatatg ggagacttca stctcattat tattgccttt atccagcagt 360
gcttatgaag ccccctaccc tgtcccattc cagaaaccat aagactcagg cagttcttga 420
ttctggaggc ctgcctggta agataagata gtataatttg gaactgagaa cataccagaa 480
acagcagaac gagggccaga gcagaaaaat gaaaataagt ggagacactt atggatacat 540
tggtgcaaaa aaagccacgg agcccatact gggcttgata tgactttgag gggacagcag 600
attaatactt aatgagggtt aaacctgacc agtctttcta cagtgacagg ccacactgca 660
tgaatgggga gaaccaatga atccattgtc ctctgcctat tttcctgtgc acagtcacat 720
tccctcctta agaatctncc ccttccancc tttacattaa ccaagggaca ctgaatcttt 780
ca 782

<210> 78
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<400> 78
cttctcgntg cccgtgcaaa ggctccnctg cagaagacat cctytggcag cctgctcttc 60
tgctgctcct tttgctgctg tcccatgtgc tcctgagaat gagaaccctg cctttgcaac 120
aaaccatgcc ccggtaaatg caaaaccaca tgctctgtgc cccgagagaa aacctctaac 180
cagcaaggaa aatgtattga tgcattcctc cattttggca cctgraagag agtcttggrg 240
aactgcagga gaggggggaaa actggaaaaa aaaaaaag 278

<210> 79
<211> 828
<212> DNA
<213> Homo sapiens

<400> 79
gccaatcaat gagcagtata gagaatttct ggaagggaga cacaagaagc tgttagaaag 60
ggcggcttcc agggaagttc tagggagtct gggatgaatg agaaacttat cctaacaact 120
tttgggctct ctgaattttt tttagtatct gcaagtattg tacttgttca aatatgttta 180
aggctgcagg ctgtattcta aactccttga aagtgagaac caggtttcac tcatatttcc 240
atcttttcaa cccctagatc agtgacttcc cagggaagta gtacctgcat ttggggttga 300
cctttgggtt tcccctgtac tggtctggcc tggcctggct ggaccactgg stggctgggt 360
ggctgtgacc tagccccttc tttctctttg ctcctctgtc aaatgagagt gttggtctga 420
acgatctcta aagcctggaa gaggagcaga tcctctgtgc tcagccccca ctctgtgtca 480
gggaggcctg gcaaccacag tgttctttct cctgtttatt tgttcttgga tcttcctgaa 540
gccatttcac caccagcctt catcttctct gccagcccca tggagactca agcttttttcc 600
agcctatgtc agggaaggag aaccagagac agcaacctcg ggtgtgaagg gagtcagctc 660

tgaacccagg actatggcct tctgccactg cctgctttcc tcttgctgct ggggcctagg 720
tcttcttgct gctgcttcct tttccgctaa tcaagagtcc agggaggtgg gaacagcctc 780
aacaaagact ttgaagatga gcggggagga tcgcttgagc ccaggagc 828

<210> 80
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<400> 80
caagttggga agaactgata tcttacggat actgttaaag agaactaaat atggcctgag 60
aaggactccr tatttctata tttgartcct tgtgggtgaa ccaaaaccta gcttaatagg 120
tagacaatat tgaaaaccta acctagaagt atgcacctgt aacaatagct aggtcttggc 180
caatgcctgt ggccatantt cagccattca tacantgctg agtgttcaaa gtctgttcaa 240
ataagggaaa caacgaggtg taaccaatcc agctgttctt taccttactt ccaaattctg 300
tacgtcattt cccattttnt gtctataaac cttcttccac ca 342

<210> 81
<211> 537
<212> DNA
<213> Homo sapiens

<400> 81
ggctttacgg ctgcgagaag acgacagaag ggggggacc atgttgcttc cgaacatcct 60
gctcaccggt acaccagggg ttggaaaaac cacactaggc aaagaacttg cgtcaaaatc 120
aggactgaaa tacattaatg tgggtgattt agctcgagaa gagcaattgt atgatggcta 180
tgatgaagag tatgactgtc ccattttaga tgaagacaga gtagttgatg agttagataa 240
ccaaatgaga gaaggtggag ttattgttga ttaccatggt tgtgatttct tccctgaacg 300
ctggtttcat atagtttttg tgctgagaac agataccaat gtattgtacg aaagacttga 360
aacaaggggt tataatgaga agaaactaac agacaatatt cagtgtgaga tttttcaagt 420
tctttatgaa gaagccacag catcctacaa ggaagaaatc gtgcatcagc tgcccagtaa 480
taaaccagaa gagctagaaa ataatgtaga tcagatcttg aaatggattg agcagtt 537

<210> 82
<211> 292
<212> DNA

<213> Homo sapiens

<400> 82
tggacagaaa attcaatcct ttatttttt ctctgtaaat gcacgggcta tgagatagca 60
acaaaaaatg catagttaat ggtcatagac tttattccaa aacataattg gaaaatagaa 120
wctgagccat tgccaaatgg taaagaaatg aaaagttttc acagtgacta ctgaatatac 180
caagagcttt tggcagtact gctggctttc tgggtgatta attaggtaaa cttggaatat 240
tcccagtaaa agtttgagaa tgcataaaat tataccattt tgaaaaatat aa 292

<210> 83
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<400> 83
ggcacgagtk aaacttgctg ttttgttcct gtgtcttgtc tttggttggt atttcagtaa 60
gtttttggta ttctcaaatt ttatctaaat ggataaacta ttaacataga acataaaccc 120
caattctcca tttcattttt ctcttaggca tgaatcatac aaaactcaat atagagcaat 180
gtttgtaatg aattgttcta ttaacaaaga ggaggttcta agatrtaaag cctcagagga 240
acaggaagga aaaggcgggt ccataaggaa gatgaggtct taaccgggga ngatgctgct 300
tgaggagggc cagagacagt tgtgggagga aatcttttca ccccnttcat gt 352

<210> 84
<211> 404
<212> DNA
<213> Homo sapiens

<400> 84
ccccccccct ttttttttt ttttttttt ttttttttt tgcgattgct ttaaagaaag 60
ctttatttac tacatacatc ctaagaatgt actgtaaatg gagcaagatc taaataaaag 120
cttttcaaat ataaagcagc taaagttaac taaaccacta gcaatgtttg aaaacagaac 180
tctaaaactt tttttttaca tttatatagt ttgttcttaa cactaaaaaa aaaaaagttc 240
acatttcaag ttataaactt acctcagtag tgtacatgaa atggttttga aacaatagga 300
acagataagt cccagatagg rggctcactg atacttaatt ggccatgtca ccaatgtttg 360
tttttaaggg rgtttggtgg ttgccatgtt tatcattttt tttt 404

<210> 85
<211> 1555
<212> DNA
<213> Homo sapiens

<400> 85
ggcacaggac agtctcatga ttataactgg tccttcaagt atacagggaa tataataaag 60
ggtgttataa acatgggttc ctacaactat cttggatttg cacggaatac tggatcatgt 120
caagaagcag ccgccaaagt ccttgaggag tatggagctg gagtgtgcag tactcggcag 180
gaaattggaa acctgggaca agcatgaaga actagaggag cttgtagcaa ggttcttagg 240
agtagaagct gctatggcgt atggcatggg atttgcaacg aattcaatga acattcctgc 300
tcttgttggc aaaggttgcc tgattctgag tgatgaactg aaccatgcat cactggttct 360
gggagccaga ctgtcaggag cmaccattag aatcttcaaa cacaacaata tgcaaagcct 420
agagaagcta ttgaaagatg ccattgttta tggtcagcct cggacacgaa ggccctggaa 480
gaaaattctc atccttgtgg aaggaatata tagcatggag ggatctattg ttcgtcttcc 540
tgaagtgatt gccctcaaga agaaatacaa ggcatacttg tactctggatg aggctcacag 600
cattggcgcc ctgggcccca caggccgggg tgtggtggag tactttggcc tggatcccga 660
ggatgtggat gttatgatgg gaacgttcac aaagagtttt ggtgcttctg gaggatatat 720
tggaggcaag aaggagctga tagactacct gcgaacacat tctcatagtg cagtgtatgc 780
cacgtcattg tcacctcctg tagtggagca gatcatcacc tccatgaagt gcatcatggg 840
gcaggatggc accagccttg gtaaagagtg tgtacaacag ttagctgaaa acaccaggta 900
tttcaggaga cgcctgaaag agatgggctt catcatctat ggaaatgaag actctccagt 960
agtgcctttg atgctctaca tgcctgccaa aattggcgcc tttggacggg agatgctgaa 1020
gcggaacatc ggtgtcgttg tggttggatt tcctgccacc ccaattattg agtccagagc 1080
caggttttgc ctgtcagcag ctcataccaa agaaatactt gatactgctt taaaggagat 1140
agatgaagtt ggggacctat tgcagctgaa gtattcccgt catcggttgg tacctctact 1200
ggacaggccc tttgacgaga cgacgtatga agaaacagaa gactgagcct ttttggtgct 1260
ccctcagagg aactctccct cacccaggac racctgtggc ctttgtgagc cagttccagg 1320
aaccacactt ctgtggccat ctcacgtgaa agacattgcc tcagctactg aaggtggcca 1380
cctccactct aaatgacatt ttgtaaatag taaaaaactg cttctaatcc ttcctttgct 1440
aaatctcacc tttaaaaacg aaggtgactc actttgcttt ttcagtccat taaaaaaaca 1500
ttttattttg caaccattct acttgtgaaa ccacgccgag ccctatgcag tctca 1555

<210> 86
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<400> 86
ggcacgagcc agagccgact gcaaatcact gaactgagct ggcagctgct taggggtttg 60
catgatcaag gcgatttta taacctagaa gggcctggac tgtagaagca gattccagct 120
gaggcccagg cactgccttg ctgtggtgag cacggcggct ctgstcttcc ccgccgagct 180
ttctcatcag tgaagtgggg tagtgacagc atgcgagggc acggagctgt cagcaggctc 240
cagagaccat ggccataaag cactgacact gacacggccc cagcaagccc ttkgggaagg 300
gcagccacca cckttgctgc tgytgtcact tactgttgct gttgatttaa ggcaktacat 360
actcaggtyt catagcttgt aaaamaaagg aaaaatgaaa agtcaccatc atcccagcaa 420
aatgtaaggn tcccctgctg cccagattgg aatgt 455

<210> 87
<211> 675
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<400> 87
ggcacgaggt cgggctcgga ggaggatcca gagacggagt ctgggccgcc tgtggagcgc 60
tgcggggtcc tcagtaagtg gacaaactac attcatgggt ggcaggatcg ttgggtagtt 120
ttgaaaaata atgctctgag ttactacaaa tctgaagatg aaacagagta tggctgcaga 180
ggatccatct gtcttagcaa ggctgtcatc acacctcacg attttkatga atgtcgattt 240
gatattagtg taaatgatag tgtttggtat cttcgtgctc aggatccaga tcatagacag 300
caatggatag atgccattga acagcacaag actgaatctg grtatggatc tgaatccagc 360
ttgcgtcgac atggctcaat ggtgtccctg gtgtctggag caagtggkta ctctgaaaca 420
tccaccnctt cattcaagaa aggccacagt ttacgtgaga agttggctga aatggaaaca 480
tttagagaca tcttatgtag acaagttgac acgctacaga agtacttnga tgcctgtgct 540
gatgctgtct ctaaggatga actncaaagg gataaagtgg tagaagatga tgaagatgac 600
tttcctacaa cgcgttctga tggtgacttc ttgcatagca ccaacgggaa taaagaaaag 660
ttatttccac atgtg 675

<210> 88
<211> 493
<212> DNA
<213> Homo sapiens

<400> 88
gtcgccctag gctgggactc tagtaggtct tcggctcagt tttggctgca gcgcccgcgt 60
agatcgcttc ggccgsgttc tacgcccggc tcaactatga gcckgtgcgc ccaggcggcg 120
gaagtggcgg ccacagtgcc aggtgccggc gtcgggaacg tggggctgcg gccgcccatg 180
gtgccccgtc agcgtccttc ttcccgccgc cggtgccgaa ccccttcgtg cagcagacgc 240
agatcggctc cgcgaggcgg gtccagattg tccttcttgg gattatcttg cttccaattc 300
gtgtcttatt ggttgcgtta atttattact tgcatggcca ttgctgcatt tcaacagtat 360
gctgtcctga aaagctgacc cacccaataa ctggttggag gaggtaagaa atattttgtc 420
caaaatatta ggacataata ttaaattaag atatactaaa tcaatataag aagagttcat 480
catagtttag tca 493

<210> 89
<211> 416
<212> DNA
<213> Homo sapiens

<400> 89
gtggggatgg tgtcgcatag cagccgctgc cgctttggct tgctcgggac catttggctg 60
gacccagagt ccgcgtggaa ccgcgatagg gatctgtcag ggcccgcggc cgggtccagc 120
ttggtggttg cggtagtgag aggcctccgc tggttgccag gcttggtcta gaggtggagc 180
acagtgaaag aattcaagat gccacctawt ataaactgga aagaaataat gaaagttgac 240
ccagatgacc tgccccgtca agaagaactg gcagataatt tttgatttcc ttatccaagg 300
tggaagtaar tgagctaaaa agtgaaaagc aagaaaatgt gatacacctt ttcagaatta 360
ctcagtccac taatgaagat gaaagctcaa gaagtggagc tggctttgga agaagt 416

<210> 90
<211> 1467
<212> DNA
<213> Homo sapiens

<400> 90
ggcacgagtt catcttcatc ttctcagctt gctccaaatg gtgcaaaatg cattccagta 60
cgagaccgtg gcttcctggt gcagacaatt gagtttgctg aacagcggat ccctgtatta 120
aatgaatatt gtgtggtttg tgatgagcca catgtgtttc aaaatggccc tatgcttagg 180
cctaccgtat gtgaacggga gctgtgtgtg tttgcttttc aaaccctggg agtaatgaat 240
gaagctgctg atgaaatagc aactggagct caggtggtag atctactagt atccatgtgt 300
aggtctgcgt tggaatctcc tagaaaagtt gtgattttcg agccatatcc ttctgtggta 360
gatcctaatg atcctcagat gttggccttc aaccccagga aaaagaacta tgatcgagta 420
atgaaagcac tggatagcat aacttctatc agagaaatga cacaagcacc atatctggaa 480
atcaagaagc aaatggataa acaggacccc cttgctcatc ccttactgca atgggttata 540
tcaagtaata gatcacatat tgtgaaactg ccagttaaca ggcaattgaa gtttatgcat 600
actccacatc agttccttct tctcagcagt ccaccagcca aagaatccaa ttttagagct 660
gctaaaaaac tctttggaag caccttttgca tttcatggct cacacattga aaactggcac 720
tccatcctga ggaatggtct ggttgttgct tctaatacac gattgcagct ccatggtgca 780
atgtatggaa gtggaatcta tcttagtcca atgtcaagca tatcatttgg ttactcaggg 840
atgaacaaga aacagaaggt gtcagccaag gacgagccag cttcaagcag taaaagcagc 900
aatacatcac agtcacagaa aaaaggacag caatcccaat tcctgcaaag ccgtaactta 960
aaatgcatag ccttatgtga agtgatcacc tcatctgacc tgcacaaaca tggagagata 1020
tgggttgtcc ccaatactga ccatgtctgc acacgattct ttttcgtcta tgaagacggc 1080
caagtgggag atgcaaatat taatacacaa gaaggaggca ttcacaaaga gatcctccga 1140
gtaattggta atcaaactgc tactggttaa aggaccacca tttaattaac atgattcgaa 1200
agccttcctc gggttcaaag ctggattttg aactgaagaa gattataaaa ttatttattg 1260
ttattataaa caaaattaac cctttgaata ctgatttttt ttcttagtat ttctaagtat 1320
ctcattaaat acctaaaatg gtataagatt tatcaattgt agggttatgg aatctagtaa 1380
taaaatttca acagcactta aactgaagtt tgggttgctc atacaataaa cagattgaaa 1440
aaacaaaaaa aaaaaaaaaa aaaaaaa 1467

<210> 91
<211> 1793
<212> DNA
<213> Homo sapiens

<400> 91
ccacgcgtcc gatttgtccc tattgttcta tttttaaata aatatacaat cattgttttg 60
cattgaaatg catatttgta cattttattt gataatatta ttttgggaaa ttgtaatctg 120
ttgttttgtt tgtttgttaa gggaagcacg aagaagaatt tacaaatgtg aataaaattg 180

tttaagatta ccaatagttt cttttctgga cttgaaatag ttacgtttct aaatatgaga 240
aaaataactt tgcctaaaat ttcagtataa tgaccaggtc ttctctccat tttagagaag 300
cagtccaatg tggaacagat aagacggcag cgatccagtg aggtcaattc cccacagagg 360
aaagctatgc atacctaact taatggaagg taaacttctc ttcaattaat gatgtcctcc 420
ttttctcaag gtgtccaaag acaggaggtg gtctgtaaaa ggttggatga caactccatt 480
gtccagaaca attactgtga tcctgacagt aagccacctg aaaatcaaag agcctgcaac 540
actgagccct gcccacctga gtggttcatt ggggattggt tggaatgcag caagacttgt 600
gatggtggga tgcgcacaag ggcagtgctc tgcatcagga agatcggacc ttctgaggag 660
gagacgctgg actacagtgg ttgtttaaca caccggcctg tcgaaaaaga gccctgcaac 720
aaccagtcat gtccaccaca gtgggtggct ttggactggt ctgagtgtac tccaaaatgt 780
ggtccaggat tcaagcatcg gattgttctg tgcaagagca gtgacctttc taagacattc 840
ccagctgcac aatgtccaga ggaaagcaaa cctcctgtcc gcatccgctg cagtttgggc 900
cgctgccctc ctcctcgctg ggtcacagga gactggggcc agtgttctgc tcagtgtggc 960
cttggacagc accttggctg atgctggaag aggagggcag tcagtgtcac ttctgggatg 1020
tgccccagca ctgagaacaa aatgcaggca tccccggggg cagcatcaga gtgcctttct 1080
agagggagcc acgcacagaa tgtaacagga tgaaacagtt tcaagtaagc cttgaattga 1140
aacctgagta ggttaaaaca attctatttc atagcacatc acaatactgc tgctactctg 1200
tagccacccc catggctaca tgatgcccta ttcctaaata ataacaatag cattgtcagt 1260
ggaggctggg ccaccatggc agaccttcca aaagtagtga gctacataga ctacttaggg 1320
aaccccaggg aaactggtac cctacacctg ggagcagtat ctgccactgg gataaagtcc 1380
tactaaaaaa ggaacggtaa atgtacccta atgattaaac cccgtgagat acatatgatt 1440
tccaaatagt ccatttcatt aggaactttt ttgtttgaat gaatgtcaca taggtatcct 1500
cagtaacaca gaacgaaatt acctttgtat tattgtgatt agttgttgct tattatttta 1560
tactcagtaa taatgtggta cactgttaat ttttttgctt ttgtaaatta tattctaatt 1620
tattgccatg tttcctaaca cttgtcctac attcattctc ctgcttgtaa tgaaaatgaa 1680
aaaatcattg taacacttga tggagtgaaa ttccacgcca ggcacagaat ttttttgaca 1740
tagataattt agtaaaataa aaattcagct tataataaaa aaaaaaaaaa aaa 1793

<210> 92
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 92
gcccaaggat tccggcacga gganttkttg ttggttgggg gccttttggc sgntgacgga 60
gactgcccag gtgtggtcac catgttcctc tccgcggtct tctttgccaa gagcaagtca 120
aaaaacattc tggtgagaat ggtgagcgaa gctgggacag gtttctgctt caacaccaag 180
agaaaccgac tgcgggaaaa actgactctt ttgcattatg atccagttgt gaaacaaaga 240
gtcctcttcg tggaaaagaa aaaaatacgc tccctttaaa cggtggattg aaaatgactt 300
tgatttataa agagaagact gagggcgggg atactgattc agaaatcctg tagcgtgtaa 360
taaaagaaga ggaaatggca tggaatcact gcctcctgtg atttgaaggc cattgtgaag 420

gaaaacaatg cagtgaaaga aagttcttca tattaggaca gatatcattg catcacattt 480
atttatcttt ctgggtattt ttatagccct taataaaaaa tattaaaatw gwaaaaaa 538

<210> 93
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 93
gggaatctat cataactagt ctagagattt ctcaccaagg gaaattttcc ttatctaaaa 60
gaggaacttc aggtctcaac cctgccagtc acacccaatt aatgtccttc acaaaaataa 120
acagcatatg ttccctttca atttgagttc agtgagctca cagcaaaatt tacctttaa 180
ttttcttcag caaatccaag acgaatatac aaaggatgag attagataaa gatttcagtt 240
tcccgtatgc caccgctggc cgccaatttt ccaaaaaagc ctggctcctc ttttcctgtt 300
cctccatcca agcccccaaa gatctctaac cagaawtaaa caggaagact cagtgattta 360
caaaagacat tttagtttta cacgtacaga aaattctacc cagcattaca gaaattctta 420
gacttcttaa aattcccgga tttnccctgg tatttaacat ttggataagg gagccatggg 480
ttn 483

<210> 94
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (633)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (643)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

<400> 94
ngggaattgc tgagatgaca gtgtcccaca cagcttcaaa taaaatccat ggaaagatgt 60
tgcatttgtg gaataagtgc ttacttgaaa agcatgttct tcttttattt tcttactgtt 120
aagaattttt atttgtagga tgtttgtttt aatttaattt ttttaaggga tgggggccat 180
catgtggaaa ccagaaaatg gggaaagtgt gaactatcca gacaaagatt cattttgtgt 240
ctatatttgt ttttaattgg cctcatttca aatgtattaa acagttccat acctggattg 300
ggtgtttgta atggttacca aaaaacaaac aaaaaaagaa agaaaaagga aaaaaaaaaa 360
gaaaataatt gtgacatgct tttatcacta ctttatttt caaataacat gtaaatattg 420
taatccattg gattttgttt tgctaacctg ttaataaaaa tatgggacca ttatcctttt 480
aacaaggcta gaatgtcatt tttttctttt tcaacatata cctgatattt tgtggccgca 540
cattttggrt gcattattat aattckgttg actgtaatga catagaatta cacattttkt 600
gktggttaat tatacagang acatttttt canagcttga ganaanaaaa taaatagcaa 660
aatgataacc tattgactcc agtaatcagt gtttcccaat acttcataag aaatagga 719

<210> 95
<211> 613
<212> DNA
<213> Homo sapiens

<400> 95
tattcagcta ctatacagaa aaaggatgaa caaattaatt tatttctaat tgagccagtt 60
agacataatg catataacgt gatatttggt tcatgaaaga gttgttttca tgtggttatt 120
gtagggagta tatataattg tggaaggggt atgggaagag ttgtgtatag ttagttgtta 180
tctctacaag tttgaaagtt ttcccatcaa acattatcaa tataccaatg ttttaaaaat 240
tgagtgaggg ttattatttg tatttgatga aagaaaatcc aaataaagcc cacctagaaa 300
tagatatttt attatatatg tgctatagat atacctatat agtacaaata gacatgtgtg 360
atgcatatat acaatgttat atatgtgtat atgtctgtat acacactgag tctgtaatat 420
gtatacacta aatttgtgky amgctaacak cttcagggtc tgcactgtga actcccckgg 480
agataagtaa gtccacttta gaataaagag ttcttttgag acttcagtta ctaacgtgct 540
ttaagaggta tctactttat aactgaattc tatgtcgttc atacgtagag ttacagtaag 600
ggtctagtat gtc 613

<210> 96
<211> 816
<212> DNA
<213> Homo sapiens

<400> 96
gggaaaggag ggtcaggcga gtccacgagg aggttcgagt gaagatcaaa gacttgaatg 60
aacacattgt ttgctgccta tgcgccggct acttcgtgga tgccaccacc atcacagagt 120
gtcttcatac tttctgcaag agttgtattg tgaagtacct ccaaactagc aagtactgcc 180
ccatgtgcaa cattaagatc cacgagacac agccactgct caacctcaaa ctggaccggg 240
tcatgcagga catcgtgtat aagctggtgc ctggcttgca agacagtgaa gagaaacgga 300

ttcgggaatt ctaccagtcc cgaggtttgg accgggtcac ccagcccact ggggaagagc 360
cagcactgag caacctcggc ctccccttca gcagctttga ccactctaaa gcccactact 420
atcgctatga tgagcagttg aacctgtgcc tggagcggct gagttctggc aaagacaaga 480
ataaaagcgt cctgcagaac aagtatgtcc gatgttctgt tagagctgag gtacgccatc 540
tccggagggt cctgtgtcac cgcttgatgc taaaccctca gcatgtgcag ctccttttg 600
acaatgaagt tctccctgat cacatgacaa tgaagcagat atggctctcc cgctggttcg 660
gcaagccatc ccctttgctt ttacaataca gtgtgaaaga gaagaggagg ttagccaagc 720
ccccacccca tcccactccc cttccctcmc cagatattta tgtgaaatga actgcagctt 780
tatttttga aataaaaact tttaaaaagc aaaaaa 816

<210> 97
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<400> 97
cagaagccaa aaaggtctta aaattggaaa tagatgtntt tattgtactt cagccaacag 60
caagccaggg gaaggaacat acataaatat gacaggtcat atatgaaatt tggctctcct 120
cctatcaaag tagcctagga gcttggagga agcctaatta actaaaacag gaaaaaagca 180
tactcatctg atgtaaaaac tcatcagctg taaattacca acattaaacc agaagtcatt 240
accagttaaa atgtgtggtt ttcatcttat tcttaaatag gagaggtggr cagtagtgta 300
agtaacattg ctttaaagrc ataaagcttk tcctggtaaa catggtctaa atgagaaatg 360
cctccatctt ttcaggtaga accagatttc aggcatagct cagctacatc tgtatttgaa 420
atacaataaa aatatttctt atgtctctgt attctctttt aaaaagaact gctgactggc 480
tcctgtctct tcagtaacac tgatttttt ttaaagaagt gatatgttgg actctgttgg 540
agaagaatga gcactagtat tcagccacaa gtgcnat 577

<210> 98
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<400> 98
cttgcagtcc acttgctgaa gaagttgtgt catttctctg gaagaatttc caaaattctg 60
gatttttttt ttttttgga gtatttcatc agctgaaaag tgattctyac tttgagtttt 120
cttcctatat ttgtatagtg agttcctttt tccttcctct ttatccctcc tgttttactt 180
tatacctctc tattccttgc tcaaattatt gcaaaagcct ctatagaaag tcctctgtga 240
tctgactcct gcagactctt ccagattttt ctgcccaagg cctttactga gctcaggact 300
ccagctaaat caaratackc atgttctcac ccagagtgac aaaatcctgc agataggttt 360
aagacctagt gggmtcagag cagtagctac tgggaagtta aaaggaaggg gttagaaaat 420
gaatgggaca aaggcacact tctgatggag atgaancact tgaaagtgag tggtgncttt 480
ggag 484

<210> 99
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 99
aattcggcac agggaaaaag gctgagcgga gagccgtgct gcctggcccc tcctcaccgc 60
ccttccccgc acctcttggc tgtaccggga gcctctgaag caccggaaat gaagggtttt 120
ccaggcctgg ctcttcacts catccttcag gggaactttg aagccatgga gacatctggc 180
tttggagcca tggcgattcc cctgccactc tccttgctgg gataaagcca gggcgtggca 240
tcctgggatg atgttccctg ctgctgagtg tgcacacaac ctgagctcat cctgtgtacg 300
tcagctacac atgctcgcat ctaatttncc nnaacaacct agccagtact attgcttctc 360
ctcctcttac agatggggag atgatgacat atagaggtta acttatcaga gaccacacaa 420
aaaaaaaaaa aaaaaactcg a 441

<210> 100
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<400> 100
aaagaaaacg aaaaagaaag cccaaggcaa agaaggggga aggaaaacaa acttcgccac 60
tctytcttct ccttcctaac cctttgtyta gagcaccaca ccgctcacaa actctttcca 120
aatgctcagt tggctcccaa agttggagcc tggcatgggc akggagccca caaaactcta 180
accaaactgg akgctggcat gggagaartg cttctggttc actcttccta ccctctccct 240
cctaaccctc tccttgcctg acagggagcc cctgtggcct ggactctagg ggatgccgcc 300
accagaaacc cctctgccaa tccctamctt gcaccctggg aaytgcagta acttattctc 360
aaaggcttta aacacagaga tcctctcagc ggccgtgggc ctgccccttg tcctarccct 420
tgccacgttg agggtccaac ctccaaggga caggcactgc cccaccaacg gcaaatccaa 480
aattctttca aaaaaaaaaa actgaaaacn caacccaaaa aagc 524

<210> 101
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<400> 101
ggagaaggtt tctctctcat ctccttctcc agcaaccttg gccatggacc agccggctgg 60
cctgcaggtg gactacgtct tccggggtgt ggagcatgcc gtgcgggtga tggtttctgg 120
gcaggtgctg gagctggarg tggaggaccg gatgacggct gaccagtggc ggggcgagtt 180
cgatgctggc ttcattgaag atttgactca caagacaggg aacttcaaac agttcaacat 240
cttctgtcat atgctggagt cagccctcac tcagagtagt gagtcagtca ccctggacct 300
gctgacctac acagacctgg agtccctgcg gaaccgaaga tgggggggccg ccagntcctt 360
ggcccccagg tcggcccagc tcaactccaa gcgctacctg atcctcatct actccgtgga 420
gtttgacagg attcactacc cgctgccccc cccgtaccag ggcaagccag accccgtggt 480
tctgcagggc atcatccggt cactgaagga ggaactgggc cgcctgccca gtccctgccc 540
tggccccgtc cctcctgctg cccctggggg tctcaggtgt gtgaggccct gaccctgccc 600
tctccccagg cagt 614

<210> 102
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<400> 102
cnaannngan anaaccctca ctaaagggaa caaaagctgg agctccaccg cggtggcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagaga aaaattattt 120
gtatataact ttaaaaggag tagaagggct ttttgcagag ttattacgtt tgaagtatac 180
tttatttctt gaaaaaatta cagatttttt gtaaataatg atgtaattca actctcaaaa 240
tatttcctac tgtttctttа ttccagttgt attcacatgt gaaagcatgt gatcagttat 300
tgctgcatta aaaacatgag tctttttttat taggtggcca ttatttatga tcttttctat 360
gaaagagtaa ggacattaaa atgtaagatg catgatgaaa aattaagtga agaggctctt 420
tatggttaat ttatattgaa taatgcatta ggtaggtgtt cagagtaata ttttgcgttg 480
tgagaacatt tttaatttta tttaaaatta aatgaaaata aattagtata ttattgtact 540
aatt 544

<210> 103
<211> 1887
<212> DNA
<213> Homo sapiens

<400> 103
ggcacgagag gaaggaactg gtttcgggga gccctgggcg gggcggctgt ggggaggaag 60
gtgacgtgca ggggaccaga ggctctgcac tgctcctagg acagcтcatc tgtaatcaga 120
aaaaaaataa ataaaataca gaacgctgac tcctccgtga gacagatcgg ggaccttagc 180
actttaatcc ctcccttctg agcgctcggt gtgcactttt agactatagc tgtttcattg 240
acgtgtcact ctccatccag tgtccttgat gtggctttta gagacttagc agaaaattcg 300
acacaagcag gaacttgatt ttttaagaaa aaatattaca ttttgaggac attttgacaa 360
gtaggggaag agagggcttc tgttgttttg ttttgttttg ttaactaaac ctgaagtatt 420
aattccacaa agacactgtc cctcaggacc actcaggtac agctctgcca gggacagagt 480
ctgctagtgg gaggtctcag gtggggcggt gtgttctgtg ccatgaggca gcgacaggtc 540
cagatggatg tcgtcaccac cttcctcagc tctcatcacc tggtcgtacg ccaggcccac 600
ctcttcccag caagggacgc caaagaactg cagtttttat tctgagtctt aatttaactt 660
ttcatcatct tttcctattt tgragaattt tttgtaatta aaagcaatta ttttaaaatg 720
tgcaagccag tatctcacaa ggcatggatt tctgtggaat ttatttttat tcaaataacc 780
atatttatct ccaggctgtg gaatcgccac tttctttgtg aagacagtgt ctctccttgt 840
aatctcacac aggtacactg aggaggggac ggctccgtct tcacattgtg cacagatctg 900
aggatgggat tagcgastgt gggagactgc acatccggac ctgcccatgt ctcaaaacaa 960
acacatgtac agtggctctt tttccttctc aaacacttta ccccagaagc aggtggtctg 1020
ccccaggcat aaagaaggaa aattggccat ctttcccacc tctaaattct gtaaaattat 1080
agacttgctc aaaagattcc tttttatcat ccccacgctg tgtaagtgga aagggcattg 1140

tgttccgtgt gtgtccagtt tacagcgtct ctgcccccta gcgtgttttg tgacaatctc 1200
cctgggtgag gagtgggtgc acccagcccc gaggccagtg gttgctcggg gccttccgtg 1260
tgagttctag tgttcacttg atgccgggga atagaattag agaaaactct gacctgccgg 1320
gttccaggga ctgktggagg tggatggcag gtccgactcg accatgactt agttgtaagg 1380
gtgtgtcggc ttttycagtc tcatgtgaaa atcctcctgt ctctggcagc actgtctgca 1440
ctttcttgtt tactgtttga agggacgagt accaagccac aagaacactt cttttggcca 1500
cagcataagc tgatggtatg taaggaaccg atgggccatt aaacatgaac tgaacggtta 1560
aaagcacagt ctatggaacg ctaatggagt cagcccctaa agctgtttgc tttttcaggc 1620
tttggattac atgcttttaa tttgatttta gaatctggac actttctatg aatgtaattc 1680
ggctgagaaa catgttgctg agatgcaatc ctcagtgttc tctgtatgta aatctgtgta 1740
tacaccacac gttacaactg catgagcttc ctctcgcaca agaccagctg gaactgagca 1800
tgagacgctg tcaaatacag acaaaggatt tgagatgttc tcaataaaaa gaaaatgttt 1860
cactaaaaaa aaaaaaaaaa aactcga 1887

<210> 104
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<400> 104
agattttgaa cttaaattat attctatatg tgtatcttcc taggcaaaag ctgtaatttc 60
cagagagacc attaggaaca ggtagtatct attttyctcc attatttatt tctagaaact 120
cataaaatgg attgtatttt tctataagaa caaaatatta attaaggtat agatgactga 180
ccaagggstt aatcaaataa aatgactaac agcatctatc cataangnca cacaagcctt 240
atgttctcat ctt 253

<210> 105
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (671)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (698)
<223> n equals a,t,g, or c

<400> 105
cccaatctct agctagtgtt gcttatcaaa taaatgcatt ggccaacaat gtactccagt 60
tgctggatat ccaagcctct cagcttcgga gaatggagtc ttccatcaat catatctcac 120
agactgtgga tattcataag gagaaagtgg cacgaagaga gattggtatt ttgacaacaa 180
ataagaatac atcaagaact cacaaaataa tagcacctgc gaatatggag cgccctgtaa 240
gtatattcgg aaacctatcg attacacagt tctggatgat gtgggccatg gtgtcaagtg 300
gctaaaagcc aagcatggaa ataaccagcc tgcaagaact ggcacactgt cgagaacaaa 360
tcctcctact cagaaaccgc caagtcctcc catgtcaggc cggggaacac tgggacggaa 420
tactccttat aaaaccctgg aacctgttaa acccccaaca gttcctaatg actatatgac 480
cagtcctgct aggcttggaa gtcagcatag tccaggcagg acagcatctt taaatcagag 540
accaaggaca cacagtggaa gtagtggagg aagtgggaag ttcgaggaaa acagtggtag 600
cagtagtwtt ggcwttcccw ttgctgtgcc tacaccttcg gcacccayta ttttgaaacc 660
atttgttgat ngttccaatt tccaccgnca ccactttnca ccaaa 705

<210> 106
<211> 920
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (920)
<223> n equals a,t,g, or c

<400> 106
gctagaagtg gattggagcc tctttgatgg atttgcagat gggttaggag tggctgaagc 60
catttcctat gtggaccctc agttcctcac ctacatggca cttgaagaac gcctggccca 120
ggcaatggaa actgcccttg cgcacttgga gtctctcgca gtggatgtag aggtggccaa 180
tccaccagca agcaaggaga gcattgacgc tcttcccgag atcctggtca ctgaagatca 240
tggcgcagtt ggtcaggaga tgtgctgccc catctgctgt agcgaatatg tgaaggggga 300
ggtggcaact gagctgccgt gccaccacta tttccacaag ccgtgtgtgt ccatctggct 360
tcagaagtca ggcacctgcc ccgtgtgccg ctgcatgttc cctcccccac tctaaagacc 420
aaggccgttt actcctggtc tgattatttt ccccatctga aatccacaat actgcaggag 480
ccctcttgaa attaacaatg gaaataaaac caatcagtca gttagcctaa acctattgat 540
tcctcgtgat tatttccaat gtgaaaacag ttgtgtatga ttgcattaaa aatcatatca 600
tcttttagag gttagaaaag ggaaaactaa actttctaaa tgctacttga gattgcagta 660
agaagatacg ttttctaacc tgaaagttaa atcgcatttg ttttcttcag tagaatggga 720
atgtgttgct gttacttgta atgtcaagtt tatctgttaa atatgtccaa aaggcaaaat 780
catttttgtt gcatgttatg ggtcgatgtt cctgtaattg cagtgccgta aaagcttatt 840
aaagttgttc ttttggtttt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
accccggggg ggggccgggn 920

<210> 107
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 107
nggcccntac tcgggcgctc ccagarggag ccacctctca gtgcctcamc tccccctgcc 60
tcccagcctc cgcagatgag gttcctgccc cttcctcctc gtaaccaaaa ccctcactgc 120
tcccaggacg gtcttattta taaaccagat acatgttctt agtctggtcc cagaccaagg 180
agctggtcag acggcccttt ctaatcctac atgttgagct tatgtaaaaa atgttgtttc 240
ctcctgtttt tggttccttt cttacccaca aaccattact acttgaaact taaaaaactc 300
gccaagtgta aaggctaaag agaagcagtt tgacggacct tgtgatttgt actgtttgct 360
gcggagctat ttaaagattt tggaataaat atacaaaact acggttgtga aataaaaact 420
taaattgtat attttgaaaa ataaaacact gaaaagaaac aaaaaa 466

<210> 108
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 108
actatttttt tattttataa atctttgtag aaataagcaa tgaaatacta ctttcatctt 60
ttgaaatggg atttttcaag gcagtgtcct tttggcatta aggtaggggg ncngttaata 120
ttctctctgc cttgtttcca cgtggaatca atattaaagt catggacatt ttaaaatctc 180
aatttaattt cttcttattt actatgcagt atagccgtgg aacaagtaat gtagatttag 240
ttttctcatc ttcaaatgcc ctgatcaccc tacctcacag ggttgttgtg gggrtwaata 300
aaactttatg gragcaaaaa aaa 323

<210> 109
<211> 448
<212> DNA
<213> Homo sapiens

<400> 109
ttttttcaca gcatattaga aatgtttatt aagaataatg gcatgaactg cttttaacaa 60

tttagaaaag acccattccc cccgcccscc cccgccccca gatccagggc acttcctcta 120
agtaaayaca aatatttctg tagtgaactg tatgcatatt cccactgagt aaaggttata 180
agaagcctca ggtcaggtct taccaccaaa cttgaaaaca cttggaatgc agctgggcag 240
ggacttgagc aggttttgtc ttgataagca ggtaagaatg gcagaacact ggcttattgt 300
caaccaatgt ttttttatat acctgaagta ttcacagcaa cttattttaa gaagcttttt 360
aaaagttcta cacctccacc cccacaactc cccaatccag aacatggaac aagggtgtgg 420
agccgtttga tggacttggg tctgttcg 448

<210> 110
<211> 849
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (841)
<223> n equals a,t,g, or c

<400> 110
ggtgactccg tctcaaaaaa aaaaaagaag gnngtaccna cagtatacgt gtgggcactt 60
gtgcttgagc ctgtattaaa ggaatcaggc caggcacagt ggctcacgcc tgtaatctca 120
gcacattggg aggctgaggt gggcggatca cctgaggtca ggagttcaag accagcctgg 180
ccaacatggt gaaaccccat ctctactaaa aatacaaaaa ttagctaggc ggggtagtgc 240
atgcctgtaa tcccagctac tcaggaggct gaggccggag aatcgcttga gcccgagagg 300
tggagactgc agtaagccaa gatcatgcca ctgcactcca gcctgggcaa cacagggaga 360
ctccatctca aaaaaaaaaa aaaaaaaaaa aagacattca acttgaggct cctgttagtt 420
aagctatctt ctttcacttg aagcaggttt gagaggccta ggccagaatt taaattcctt 480
ttatgaatag atttcccttt cttcctgacc ccaaggtcag aggagactat atattccatg 540
gctgcctcta agactaggaa taggaatatc tgaaaacagc atttctaagg gtggtaacca 600
caggtcgatt ttaatacgag tccttttttct tgtagaggta agtaaaatct tcctgacaag 660
gtagtcctct tttcacggca cagacaatgg gctttctgtt tatgaggggt gagaagtgat 720
gtttgttact atgttctcca gcaagtaaac attcctctgc tcacctccca acaagactaa 780
cagtcttttt agaagtaaat atattcaaga caaacgagaa aatcctggct acccaagtcg 840
ngtatatac 849

<210> 111

<211> 876
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (871)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (876)
<223> n equals a,t,g, or c

<400> 111
aaaaaaaatt tacaaaaaaa caamcacama aaaawtatct tttttaggcc agagttttct 60
acaggtatta atgaatattt ttcttaatcc ttataagttt tatgtgttta atatttctta 120
ataccggtag cattaattta tacttttgta gcaacacaat atttttataa acagccggtg 180
cttggctcaa gtcttcacga ggggtttagg cagggccatc ttggggaccc tgtgtaccat 240
gtactgtatt taaaaaaaaa aaaagttacc tattgtcaca cttgctgtgt taattaacaa 300
aagatgttgt gtgcggtctc ctgtatcggt gtggatccaa cagctctcca gggagtcaca 360
ttgcatgggg gttgagttga cggttcttgt gatatgtaaa cccccgagac caaacttgag 420
ggtttattta gggttttctg tttgtccttt gggtttttgt ttcactttgt tttggtgccg 480
tttctccatt tacagccaaa tcagtttcat gatgttcaaa acatttactg atgtcaaatg 540
gaggaaagga acagaaaaaa agatttttac aaagtaataa aatttaaaac tgagctgttt 600
aatgttgctg tttttacctg tctgttcttg tccaaaagtg gaacattccc agggagaaga 660
ggaaggttcc actcggttct ttaagtcgcc aaaagcccca gcccgggatt cagtacctcc 720
cctgcccccc gaattcttgc agcactattt cccagttggt tgatgccaag gcaaaaagat 780
aacttttaac agttagagag gatcagttgc ttaaatgatt tcatgtcagt gttgtattta 840
tggttttaca ataaaacaac ctttaggaaa naaaan 876

<210> 112
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<400> 112
gcctcccagg ttcatgccat tctcctgcct cagcctcccg agtagctggg actacaggca 60
cctgccacca cacccggcta ctttttttata tttttagtan agacnggttt catcatgtta 120
gccaggatgg tcttgatctc ctgacctcat gatccgccca ccttggcctc ccaaagtgct 180
gggattatag gcatgagcca ccgtgcccgg ctattttcag ttcttatgct gtgaaccact 240
ttgccttgta gctttttcta tctttccaaa atcctcactc tgttcattgt ttgtctcagg 300
ggaaaatctt cccccaccga gcttgtaaaa aaactttaat nattgggtgg aggataattt 360
aggatgggta tttattggag gt 382

<210> 113
<211> 1070
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (882)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (961)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1018)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1070)
<223> n equals a,t,g, or c

<400> 113
ggcacgaggg ccgactggac tttgtgagct ccagctgcta cagttgactg agttcaggct 60
ccatgtagct gggatatact acatggttac ccctcacccc tatggagctt ccaaaagaga 120
ccctccctca aagcacagcc cctttctctga gtgcaaataa tggccatcag aggtcagtca 180
caggtgttag gcaggcatct atgaagctgg ggatgatagc actgacttca gtgcttggac 240
gagaaccagg agagagtgtg tagaaaaagc acagccagcc tcccataaaa ggacagaytc 300
ctgtgacaac cttgtcactc tgttcctccc tgantactct ggggaggtgg aggccagtgg 360
gcagttctaa agctcagcag gtttggagcc attgggtgtg gactcctctc ccagtgttcc 420
tcctgggtgt tcacagatgt tattgaaatg cacactggga accctgcaca ggtaaaacta 480
aggytttatt ggcgtgattg ccaaaggtca cacagggtgg tttggyagag ctgggattag 540
aagcccagcc tgtytctytt cagtagtaat ggagtcctgg gaggtttact aggctttagc 600
ctcaatctgt ggcggcaggg tccacagccc tggggagtga cacagtcatg gtccccatga 660

ttggccagga cctgtktgga gagacacagg agacaagacc ctgctcttcc aggccagaag 720
ggaggggagc cccagagctg ggcagtggca tgccccacag cctggccacc tgcttcggct 780
acgcaccatg cagcagctgc acctggctgc ctcgggaaaa ctctgacctc tctgggaagt 840
ggagccagtg gctctgtggg cgtcctttcc tgcagcctgg anagcaaagc ggctttccct 900
gggactgtgt ggctcctgtc ccaactggcc tccccattcc acattcccat tgctggacca 960
ncaccaggac tgggcacagg gcttcctttt gctgattcat ttccccccta actcatcnaa 1020
attgaacccc atctgattcc cacatgctgg ccctgaaacg gtacaaaggn 1070

<210> 114
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<400> 114
gtctattaga aaacggtcct aagagattct ttggtgtttg gcactttaag gtcatcgttg 60
ggcagaagtt tagcattaat agttgttctg aaacgtgttt tatcaggttt agagcccatg 120
ttgagtcttc ttttcatggg ttttcataat attttaaaac tatttgttta gcgatggttt 180
tgttcgttta agtaaaggtt aatcttgatg atatacataa taatctttct aaaattgtat 240
gctgaccata cttgctgtca gaataatgct aggcatatgc tttttgctaa atatgtatgt 300
acagartatt tggaagttaa gaattgatta gactagtgaa tttaaggagt atttgaagtn 360
gggtgggggg g 371

<210> 115
<211> 581
<212> DNA
<213> Homo sapiens

<400> 115
ttttttttt ttttttttt tttyttgagt attccagcat tatttatttg atcagagtaa 60
aatacacttc ccatcactac aaactgagca caactacagt tgtctacaca ttcatatttt 120
tgacgtgcca acattttgca ttctacatga aacatttggt ttaaacaaaa tcttaagaat 180
tctctatttt gtttcccatc ttccctcctg ttctctccca tcctccaaag atgttttata 240
ttaactgcta tgagatttat ttgccggtca cgtaatacgg aggacagcag ggaacaacac 300
aagatttacc atgcctaggg gatgaatggc aaacccaact ttggctaatg tcattgagaa 360
caacttggga agcgtgasag gaggatatct catggaagtg ggcagtgaac ctacatttcc 420
atttatcaga agcaaacatg ggaaggttac atacatgatg aagtattgga agttaaagac 480
ttaagacaca aaatcactaa tttaaaagra cmtgcmacmt grgtatcaac ttgctatgta 540
gkgtacatgt aaatgaccca aatattcacc tctagcatcc g 581

<210> 116
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (681)
<223> n equals a,t,g, or c

<400> 116
atcggacggg cttaacatga aagcctatag gtcattcttg ctctgggatc tacaggcagg 60
gtaggcacag gtgcagccta agaagggaac ctgcttcctc tcccttccaa agacagtgac 120
agctgactga gggcaaagag caggcaccac tcagaacgtg gtgagtacag ctcagctcag 180
cactcagtca gtggtaactt gtgcccagcc ctgtgctagg cgctgacatt aacaggagca 240
accagggccc aattcctggc cttggagctc aaatctttcc tttgattttt gctcctgatc 300
atcaaggccc cagtggcaac catgtggtaa gtggccaacc aagccctacc cagggtcacc 360
caacacactc tgccttgagc ctctcctcag ggtctattcc ttgcgtggat tatgtggccg 420
tagcatgtta cagttcaaac atgtctccac taccctgtta agagcagcct gggaacgtac 480
aggccatcaa gactatttat ttaaatacaa aaaaagggga aaacacacac acggaaaaaa 540
aattgtaagc actttttttg taaaaccaat gtctgttttg ttacatacct ttcatgtcgt 600
gctttgtaaa tgtcttattt gtgtaataaa gttaatgcaa gtaaaaaaaa aaaaaaagat 660
gggcgaagtt atcccttgtg nggtaattag tttgctgcgc gttta 705

<210> 117
<211> 1196
<212> DNA
<213> Homo sapiens

<400> 117
gcgaccgcct cgcgtacccg gcttgcggtc cacgagcgag cacgcccggg gtggcgatgg 60
ggtcgcgccg aggcagcgga ggttctgcgg gcgactggag gttggcagtg ggcgggagaa 120
agaggaaggc aggcgcggct gggcctcggc ctctggcgcc gcggtaccct ttgtctcggc 180
agcctgacgg ccccgccggg ctctccggag aggggaacgg gcggcgaggg tggcgggtcc 240
tgggcgccct gtgctgcggg gccgagaggc gctcgggtcg cggcgggatc ggccggacca 300
gacagggtta atggaagagc ctggccagtc ccgcgcgggg cccccgcagc gacagccttg 360
gccgcgggga ctggagtcct gaggggggaga agcctgccgt tctgaaggct cgggacttct 420
gccccaaaga cttcgccgcc gagaactgcg ggtgcactgc ctcagggaag aagttgagaa 480
ttttgccagg tcatctctgc cagggcacag ttcatcactg tgtgtttagt gtgtttcggt 540
gaagctctcc aagtgtgttg aatcagcgtg cctagcctca agggtgcatc gtgaaaactg 600
aaaccaaagg aatgatacag gcctgctttg tgtgtgtctt cccactttaa gcttgttttc 660
agtacaaata ctcttgcttt aaacctgatt ggactgtggc gagcggacat ctgttcaaag 720
gaggggccga gaccacagta cttctgaagg gggcttgata atgtggaaac attttaagtt 780
ttctctccgg actgttttgc tctctcaatt caggcaagtt actgaagtac gtttttttatc 840
tagaaaaagg tttgatgtag tctgtaaatg gtccttgtaa agtacattgc catctcagaa 900
ttaaaagatc cactctcatt tattatgcag aagttagtgg tcattctttc ctgtagatag 960
tttatctcat gtaaagaccc acccagcttg gtttaaattt ttttctcact gacgtataac 1020
catcagcttt gatacttcca ttttcaggct cagactttga atttaaggaa actaaagatg 1080
actttatttt cttttctctt ggtttttttt ttccaaaaac aaaaaataaa tccattacat 1140
gttaacataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaacggacgc gtgggc 1196

<210> 118
<211> 975
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (794)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (845)
<223> n equals a,t,g, or c

<400> 118
tgtccctttt tattctagag gcttttcctt taattcagag attagtggag ataataacgt 60
cagtcaaggc taatgtggta catggaactt gctaatggag gttggacatt ctgtttcagt 120
cttacatgga tattgtttca ttggtgttga ggaagaaaaa aattagatac taccatgcat 180
tgggacagca taattctaat attacattga atatggcttt ttaaaaataa gtattaaaaa 240
gccaatcgtt ttctccattt atctatcttt tttgtttgtt tttaatttgg ttgattgata 300
tgcacccagg ccgtcttatt tttacttgtt aaatgtctgt ctaggaagaa ctgtgattgg 360
aaaggaatta attattatac aaataaatct ggtaggatat gagtggagta agtttgcttg 420
aaacagaagt atattttcta ctttgaatca cctcaccaga gtcatctgtc aagaattatg 480
tataacaatt tatctttatt gcctacatac aacatacttt ttctgaatta agataacttc 540
tatttgtgag ttgaacttca ttatctgcca ttttgtggaa tcaaccttac attytttggt 600
ggractagag ctgattgtca ccacaaggtt atatgacaac tctgttctar grcttatacc 660
yattatatag ggktatacct ttttttcttat gcctcagctc tgtacctgac aatttatgat 720
tcagtggagc caagctagaa ggaacaaagg tcatctaaca ctgtgatggg gatgaattcc 780
tgagttttac ctgnacaatg aggtggtgcc ccggaattca caacagagta gtgatagagc 840
ataangatgg ctgctccaga tgactcttgg gtttaagtgt acttgtgatt gaacaagatt 900
tttatctatg aagcttgatt ctacaaccaa aataatagaa atgggggggg ggggaatcat 960
gtctgcttat gcttt 975

<210> 119
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<400> 119
catatattag tgtgctttga agttgactga aagatatact ggatatcata attatataat 60
ttctaaatag atttctttaa atccatgcta tgttttcttt ttcagtcagg tcctacagaa 120
tgactattgc acttggtcta ttgttttaat agtaaatttt gttattaatc tcctatgtgt 180
taaacgtggg taattgtatt atgttaatac atacttaggg aggaaaagca ggtggatgta 240
aatcagtgat tcccaacttc agcagatggw tagcmgtggg agggtatcct tggagctttt 300
tgtaaatatt tccaaaaaag ggggggggggg n 331

<210> 120
<211> 233
<212> DNA
<213> Homo sapiens

<400> 120

tcgacccacg cgtccgccca cgcgtccgca aaactgagag ggataggaaa gaaaaactta 60
tccaggaagg aaaattggat cgaacatttc acctctcata ttaagtctgg caatgatgac 120
tatatgtatt cctgcctaaa taaatcatct attaatcatt aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggggag ggg 233

<210> 121
<211> 2043
<212> DNA
<213> Homo sapiens

<400> 121
ggcacgagca gccctcggcc ccatccctac gaccagccct tccgtcctgc ccaccccggc 60
agcgactggt gttcctgaag acacataaat ccgggagcag ctctgtgctg agcctgcttc 120
accgctatgg ggaccagcac gggctgcgct tcgccctccc tgcccgctac cagtttggct 180
acccaaagct cttccaggcc tctagggtaa aaggctaccg cccacagggt ggaggcaccc 240
agctcccctt ccacatcctc tgtcaccaca tgaggttcaa cctgaaagag gtacttcagg 300
tcatgccttc tgacagcttc ttttttttcca ttgtccgaga cccagcggct ctggctcgct 360
ctgccttctc ctactataaa tccacctcat cagccttccg caagtcacca tctttggctg 420
ccttcctggc caatcctcga ggcttctaca ggcctggggc ccgtggggac cactacgctc 480
gcaacttact atggtttgac tttggcctgc cctttccccc agagaagagg gccaagagag 540
ggaatattca tccccccaga gaccccaacc ccccacagct gcaggtcttg ccttctggtg 600
ctggccctcg agcccaaacc ctcaatccca atgccctcat ccatcctgtt tccactgtta 660
ctgatcatcg cagccagata tcaagccctg cctctttcga tttggggtct tcatccttca 720
tccagtgggg tctggcatgg ctggactctg tctttgacct ggtcatggtg gctgagtact 780
tcgatgagtc attggttctg ctggcagatg ccctgtgctg gggtctagat gacgtggtgg 840
gcttcatgca caatgcccag gctggacata agcagggcct cagcactgtc agcaacagtg 900
gactgactgc ggaggaccgg cagctgactg cacgggcccg agcctggaac aacctggact 960
gggctctcta tgtccacttc aaccgcagtc tctgggcacg gatagagaaa tacggccagg 1020
gccggctgca gacagctgtg gccgagctcc gggctcgccg agaggcccta gcgaaacatt 1080
gtctggtagg gggtgaggct tctgacccca aatacatcac tgatcgccgg ttccgccct 1140
tccagtttgg gtcagctaag gttttgggct atatacttcg gagtggattg agcccccaag 1200
accaagagga atgtgagcgc ctagctaccc ctgagctcca gtacaaggac aagctggatg 1260
ccaagcagtt ccccctacc gtctcactgc ccctcaagac ttcaaggcca ctctccccat 1320
aaacatcaga ctacagattt aggtggaaga gcagccatgt ttgaagggca catgtgatga 1380
gtgggggca gcaagatgcc atttctgcat ctcccagaag ggatgagtct ttgtcccaaa 1440
tgcaagcccc ctcttcgctg ggctcccagc agtgcttccc tcctccaccc tccactcatt 1500
ttgttctttc cccccaactt ttttttttt ttgaaacgga gtcttgctct gtcccccagg 1560
ctggagtgca gtggcatgat ctcggctcac tgcaacctct gcctcccagg ttcaagcgat 1620
tctcctgcct cagcctccag agtagctagg attacagata cgtgccacca tacccggcta 1680
atttttatat ttttagagac agggattcaa catgttggtt aggctggtct tgaactcctc 1740
acctcaggtg atccacatga ctctgcctcc caaagtgctg ccattacagg cgtgagccac 1800
taggcctgac ctcccccttcc cctttcctgc cccaaggcag atccacatca ccgaagctcc 1860
ctagaggggc aaaagatgga gtgagccaca ggaagtttgg ggcgtggtga gttggaatga 1920
tacgtccatt tctctatgaa atatttgcta ctagactgtt catttctctc tgacatgttt 1980
gttgaatgaa taaataattt gaaacttcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2040
aaa 2043

<210> 122
<211> 2877
<212> DNA
<213> Homo sapiens

<400> 122
tcgacccacg cgtccgggat gaggcccggc ctctcatttc tcctagccct tctgttcttc 60
cttggccaag ctgcagggga tttgggggat gtgggacctc caattcccag ccccggcttc 120
agctctttcc caggtgttga ctccagctcc agcttcagct ccagctccag gtcgggctcc 180
agctccagcc gcagcttagg cagcggaggt tctgtgtccc agttgttttc caatttcacc 240
ggctccgtgg atgaccgtgg gacctgccag tgctctgttt ccctgccaga caccaccttt 300
cccgtggaca gagtggaacg cttggaattc acagctcatg ttctttctca gaagtttgag 360
aaagaacttt ccaaagtgag ggaatatgtc caattaatta gtgtgtatga aaagaaactg 420
ttaaacctaa ctgtccgaat tgacatcatg gagaaggata ccatttctta cactgaactg 480
gacttcgagc tgatcaaggt agaagtgaag gagatggaaa aactggtcat acagctgaag 540
gagagttttg gtggaagctc agaaattgtt gaccagctgg aggtggagat aagaaatatg 600
actctcttgg tagagaagct tgagacacta gacaaaaaca atgtccttgc cattcgccga 660
gaaatcgtgg ctctgaagac caagctgaaa gatgtgaggc ctctaaagat caaaacaccc 720
ctgtcgtcca ccctcctccc actccaggga ctgtggtcat ggtggtgtgg tgaacatcag 780
caaaccgtct gtggttcagc tcaactggag agggttttct tatctatatg gtgcttgggg 840
tagggattac tctccccagc atccaaacaa aggactgtat tgggtggcgc cattgaatac 900
agatgggaga ctgttggagt attatagact gtacaacaca ctggatgatt tgctattgta 960
tataaatgct cgagagttgc ggatcaccta tggccaaggt agtggtacag cagtttacaa 1020
caacaacatg tacgtcaaca tgtacaacac cgggaatatt gccagagtta acctgaccac 1080
caacacgatt gctgtaactc aaactctccc taatgctgcc tataataacc gcttttaata 1140
tgctaatgtt gcttggcaag atattgaact ttctgtggat gagaatggat tgtgggttat 1200
ttattcaact gaagccagca ctggtaacat ggtgattagt aaactcaatg acaccacact 1260
tcaggtgctt aaacacttgg tataccaggc agtataaacc atctgcttct aacgccttca 1320
tggtatgtgg ggttctgtat gccacccgta ctatgaacac cagaacagaa gagatttttt 1380
actattatga cacaaacaca gggaaagagg gcaaactaga cattgtaatg cataagatgc 1440
aggaaaaagt gcagagcatt aactataacc cttttgacca gaaactttat gtctataacg 1500
atggttacct tctgaattat gatctttctg tcttgcagaa gccccagtaa gctgtttagg 1560
agttagggtg aaagagaaaa tgtttgttga aaaaatagtc ttctccactt acttagatat 1620
ctgcaggggt gtctaaaagt gtgttcattt tgcagcaatg tttaggtgca tagttctacc 1680
acactagaga tctaggacat ttgtcttgat ttggtgagtt ctcttgggaa tcatctgcct 1740
cttcaggcgc attttgcaat aaagtctgtc tagggtggga ttgtcagagg tctaggggca 1800
ctgtggggct agtgaagcct actgtgagga ggcttcacta gaagccttaa attaggaatt 1860
aaggaactta aaactcagta tggcgtctag ggattctttg tacaggaaat attgcccaat 1920
gactagtcct catccatgta gcaccactaa ttcttccatg cctggaagaa acctggggac 1980
ttagttaggt agattaatat ctggagctcc tcgagggacc aaatctccaa ctttttttc 2040
ccctcactag cacctggaat gatgctttgt atgtggcaga taagtaaatt tggcatgctt 2100
atatattcta catctgtaaa gtgctgagtt ttatggagag aggccttttt atgcattaaa 2160
ttgtacatgg caaataaatc ccagaaggat ctgtagatga ggcacctgct ttttcttttc 2220
tctcattgtc caccttacta aaagtcagta gaatcttcta cctcataact tccttccaaa 2280
ggcagctcag aagattagaa ccagacttac taaccaattc caccccccac caacccccct 2340
ctactgccta ctttaaaaaa attaatagtt ttctatggaa ctgatctaag attagaaaaa 2400
ttaatttttct ttaatttcat tatgaacttt tatttacatg actctaagac tataagaaaa 2460
tctgatggca gtgacaaagt gctagcattt attgttatct aataaagacc ttggagcata 2520
tgtgcaactt atgagtgtat cagttgttgc atgtaatttt tgcctttgtt taagcctgga 2580
acttgtaaga aaatgaaaat ttaatttttt tttctaggac gagctataga aaagctattg 2640
agagtatcta gttaatcagt gcagtagttg gaaaccttgc tggtgtatgt gatgtgcttc 2700
tgtgcttttg aatgacttta tcatctagtc tttgtctatt tttcctttga tgttcaagtc 2760
ctagtctata ggattggcag tttaaatgct ttactccccc ttttaaaata aatgattaaa 2820
atgtgctttg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 2877

<210> 123
<211> 681
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<400> 123
ctccctctcc cttttgctgc aagactggat ctgctcttga atctgccccg gataattctg 60
ggcagcttct tcgatcaagc tgacattatg ggatttgtgg nccttggatt cacgacacac 120
aaaacagagg aacttcccat catcctcgca gaaatagtgg aacatctcct ggtgcctcgg 180
gcaatgtagc ctcttttcct tttggactgc acctcagagg ctnngtagag ctttggattt 240
tctccaccag attccgcaac agcgagttga acctgattgc gttcttcctt acggaagttt 300
tgcagagggg acatttgaaa aatccacatg atgtttcccc aatctgagtg atgcatttga 360
ggcagaaatt gtgcccacag tcgatggtga caggtttctg cagaatgtcc aggcagatgg 420
ggcagatcac ttcctcttgc agtttgttca caaactgccc actggccatg acagaacaac 480
agggctgttt caagactgta ggaagctgtg ccaagtctgt aggagccccg gagtccactg 540
tggatactgt ttctaggaag ggagaaggga gtcagagaaa gtggaggtca gagattctgc 600
ccaattagtt agaagagcag agagagagga aaagaagagg gagaaaaaaa taaagaaatg 660
atagaaaagc gtaaaattta g 681

<210> 124
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<400> 124
ttgatggcca tttggaagta aatttccgca gtanttcata ggtgcactta acacagactt 60
tgcttaatga aaatgtcagt tctaatagta actgattcac ttctgaacag aagtgatttt 120
aggcatattt cttaacatat atcaagcaaa gtcctgttaa aagatctaaa tgaagaatgg 180
agacctcagt gattaaagat attttgtttc tgaccttgag cagattgctt acctgttctc 240
tagactataa cccaacatgt aaaaaaaatt tgaagatggt gatgaggaaa gtgagatata 300
tatatatata tgtattaygt ttctagcact tttccctttt aaaaagtgaa aatatccttg 360

tacatttttg aaaaatatat ttycagtyct gaaaaatgta gcagaagtag tgaaaatgyc 420
atattttaaa tgttgattat tagataaatt taacctgctt agggtttatt gtaactacac 480
ctttcagacg tgtgtttygg agtagtggaa ttgccagcca ggccctgtgg cttggaaagg 540
catcccagaa atcctcggcc agaaggtgtg gcttgttaaa gcattgagat tcmgagtatt 600
ttggtt 606

<210> 125
<211> 1211
<212> DNA
<213> Homo sapiens

<400> 125
aattcggcac gagagcggcc ttcctcggtc aagtcgctgc gctccgagcg tctgatccgt 60
acctcgctgg acctggagtt agacctgcag gcgacaagaa cctggcacag ccaaytgacc 120
caggagatct cggtgctgaa ggagctcaag gagcagctgg aacaagccaa gagccacggg 180
gagaaggagc tgccacagtg gttgcgtgag gacgagcgtt tccgcctgct gctgaggatg 240
ctggagaagc ggatggaccg agcggacaca agggtgagct tcagacagac aagatgatga 300
gggcagctgc caaggatgtg cacaggctcc gaggccagag ctgtaaggaa cccccagaag 360
ttcagtcttt cagggagaag atggcatttt tcacccggcc tcggatgaat atcccagctc 420
tctctgcaga tgacgtctaa tcgccagaaa agtatttcct ttgttccact gaccaggctg 480
tgaacattga ctgtggctaa agttatttat gtggtgttat atgaaggtac tgagtcacaa 540
gtcctctagt gctcttgttg gtttgaagat gaaccgactt tttagtttgg gtcctactgt 600
tgttattaaa aacagaacaa aaacaaaaca cacacacaca caaaaacaga aacaaaaaaa 660
accagcatta aaataataag attgtatagt ttgtatattt aggagtgtat ttttgggaaa 720
gaaaatttaa atgaactaaa gcagtattga gttgctgctc ttcttaaaat cgtttagatt 780
ttttttggtt tgtacagctc cacctttttag aggtcttact gcaataagaa gtaatgcctg 840
ggggacggta atcctaatag gacgtcccgc acttgtcaca gtacagctaa tttttcctag 900
ttaacatatt ttgtacaata ttaaaaaaat gcacagaaac cattgggggg gattcagagg 960
tgcatccacg gatcttcttg agctgtgacg tgtttttatg tggctgccca acgtggagcg 1020
ggcagtgtga taggctgggt gggctaagca gcctagtcta tgtgggtgac aggccacgct 1080
ggtctcagat gcccagtgaa gccactaaca tgagtgaggg gagggctgtg gggaactcca 1140
ttcagtttta tctccatcaa taaagtggcc tttcaaaaag aaaaaaaaaa aaaaaaaaaa 1200
aaaaaaaaaa a 1211

<210> 126
<211> 881
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<400> 126
tatgatncct cgctcngttt ctgaaatttt cacnttncac naggtttcaa catataaact 60
ttcaggggac acagacattc agactatagc accaagctgt agaagctaca tagttgtaga 120
ccagggtcag caacccaaga agcctgactt ccaagctgtg ctttaaactt ccccaccatg 180
ttgcacctaa agctttggag ttttcctgtg attagtgttt ttggtgttgt tttatttttt 240
ttcttacagg aactcttgca agaagaaagg actatgrgkt cmactttaga gggasccatg 300
gggmctaaac maaattctka ggcccccctca accatctaaa tggacttcct tctgggccag 360
gacactcgaa aattaaacct gaaagactgg ttcaggccat gatgggaagt gggagtcgaa 420
catgcctcat cataccctcc agcattaaca tcaacacaga ccttaaggct gataagaagc 480
atttacaatc tattctctct gaagtcttct acctggaggc ttcatctgca tgataaaact 540
ttggtctcca caacctctta caacccaggc attcctttct atcgataatt actctttcaa 600
ccaattgcca atcagaaaat tgttatatct acctataatc tagaagcccc cacatcaagt 660
tgttttgcct ttctggacag gaccaatgta tatcttaaat gtatttgatt gatctctcat 720
gtctccctaa aatgtataaa accacgctgt tccccgacca cctggagcac atgttctcag 780
ggtctcctga gggctgtgtc acaggccatg ttcacttaca tttggctcag aataaatctc 840
ttcaaatatt ttaaaaaaaa aaaaaaaaaa aaaaactcg a 881

<210> 127
<211> 917
<212> DNA
<213> Homo sapiens

<400> 127
ccatcttcac attttgcttc catatttgaa gagtctcacg tgccagtaat tgaagaatct 60
ttgagagttc agatatgtga aaaggcagaa gaattaaagg acattgtgcc tgaaaagaaa 120
agcactttaa atgaaaatca gcctgagata aagcatcagt ctcttctcca gaaaaatgtg 180
agtaagaggg atccacccag cagtcatggg cacagtaaca agaaaaatct attaaaagta 240
gaaaatggtg ttacacgaag aggtagatcg gttagtccca aaaagccagc cagtcaacat 300
tcagaggaac atttggataa gattcctagt cctctaaaaa ataaccccaa aagaagaccc 360
agagatcaat ccctcagccc cagcaaaggg gaaaataaaa gttgtcaggt cagcaccagg 420
gcaggctctg gacaagatca gtgcagaaaa agcagagtcg tcgccagccc aaaaaagcag 480
caaaaaattg aaggaagcaa agctccatca aatgctgagg ccaaattatt agagggtaag 540
agtcgaagaa tagcaggcta tacgggcagt aatgctgagc agatcccaga tgggaaggaa 600
aaatcagacg tcatcaggaa agatgcaaag cagaatcagt tggaaaaaag cagaacaagg 660
tctccagaga aaaaaatcaa aagaatggtt gagaaatctc ttccatccaa aatgactaat 720
aagactacaa gtaaagaagt atctgaaaat gaaaaaggaa agaaagtaac cacaggagaa 780
acaagttcta gtaacgataa aataggagaa aatgtccagc tatcagaaaa gaggctgaag 840
caagaacctg aagagaaggt agtttcaaac aaaacagaag atcacaaagg gaaagaacta 900

gaggcagctg tacaaaa 917

<210> 128
<211> 1287
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1271)
<223> n equals a,t,g, or c

<400> 128
tttaaaaacc cctggaggtt ttaaccttgt gatgccttta tgaatatcct gttgaaatat 60
ccttccccct atgccttata aaccagagaa agccctttga agccttataa tgccaatgga 120
agatacttag aagtaaacaa aatagagagg tatatgtaga ttttcttagg tcattagttt 180
gtgtctttgt ctggtaggct gaaactactg tcatatgact ctctccctgg ccagatttta 240
atagtcatac taatactgat gtgaatcctg ataattaaac tatcttgtca ttacatttgt 300
agataaagtt ttggttagaa atgattttgt atgtgttagg tatggtaata cagtctcaaa 360
taaaaggtca tgttaagata aaaggtcatg cttacttttt aattaatttg tgtaataaaa 420
tttaggtctt tggaaaactt atttttcaaa taaatgaacc tttcaaataa aaaagagaat 480
tagtttaacc tttatctcat ttcctattat aggggtattg aatggacaag tttgactagt 540
tttctttctt ttgctacctc aacaccaaac aatatgggat tagtgagaaa tgaacttcaa 600
ctggttgatc ttccaacagg tttgttttta aagatccaaa taggtttgtc atattgaata 660
aacatgttgc catttataaa acatgtttga aagtacttct ttcaccttgg aatttttttt 720
tatatttcat gcttatatat ttatyctttt attctctaat aattgcccta gaaaggcctc 780
atcattgttt acatggaaat gttgttggca caaatacatg gtaaaatgga ggaccattag 840
cctgaamaga cagattcatt aaaaaatagg ataccggttc tacttttaag tgcattgtta 900
tatgtaacca actttaaaag atcgatttaa aaataactct gtcaatggac tttattagag 960
tctgtgctgg aaatttttggc ttttatagga aacacttaga aaatttatag gttaaggatt 1020
gtttttaaat gctcaaattt aaaacttgta atagtctctg gcygaatgga atagagaaac 1080
ttaatttggg attttgaaga ttctacagta ggaaacgtcc ccaataaggk aacttttca 1140
gnaattggaa agcctaaacc ccagtgaatt tccaaaataa rgaatttgga aaattataaa 1200
gggraagrgg ttccaaatta ttttcctggg ggnatgcagg aaggttccaa aagagggttt 1260
ttttnaaaat nacaattgtg atgaggt 1287

<210> 129
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (602)
<223> n equals a,t,g, or c

<400> 129
cgcttgggct tggcgggtat aggttgcagt gagccaagat ggtgccactg cactgcagcc 60
tgggtggctg aacgagactc cgtctcaaaa aaaaaatcta aatctgacat ttgatgctat 120
ttttattaat attggaatgt tctgtcttga actttattca atataatcaa gaataaagat 180
agagtaaacg tcactgattt gtactattaa gagagaaaaa atatgccaca caactaaaca 240
taggtttaaa ttatgaagaa atttagaata gaggtttatt agatttaggg aacactaaga 300
acaaaaaagg aaggagtgat acctgcctga gtggacagct gtaaatcagc tgtaattact 360
gcagttgtwc caatagttgt gartggctcc nagtcmcttt argagtcctt ggaartwctt 420
ggtacacatt tgttggctgt wccttaaagg aartggcaar tccagtttgt tcyctctacc 480
acactaract gccactgaca agtttgggtc tgttggnttc aaaattttgt aagccatttt 540
cacaagtaca aagatacatt ttaaccttgt cttctccaan attactgagt aggaatttta 600
tnt 603

<210> 130
<211> 532
<212> DNA
<213> Homo sapiens

<400> 130
ccacgcggtc cgaagagagg ttggtagaaa aactaaaact ctacaatcta tttcttaaaa 60
ataatgtttt tctttttctt ctttcctttc ttttctttct tttctttact ttttttttc 120
ttttcttttc ttttttttt tttgacaggg tctggctcta tagtccaggt tgagtacagt 180
ggtgtgatca cggctcactg caaccttaac ctctaggctc aagtgaccca cctcagcctc 240
ttgagtagct gggaccacag acacaccacc atggccagat agttttctgt attttttctt 300
tgtagagaca gggtttcacc atgttgccca ggctggtctc aaactcctga gctcatgtga 360
tctgcctgcc tcggcctccc aaagtgctgg gattacaggc atgagccacc acatgtggcc 420

catttttct tcataagtga gtttgtagtt tttactttgt tctaattttt tgaggctatg 480
ttcaggaagc catacagctt gaataagtaa ccatctcagg agaaaaaaaa aa 532

<210> 131
<211> 776
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (630)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (769)
<223> n equals a,t,g, or c

<400> 131
aatcctcagc cattttgtga aaatagccaa gaaacttcta gaactcaaca accttcattc 60
tctcatgtct gtggtatcag cattacaaag tgctcccatc ttcaggctga caaaaacctg 120
ggctctttta aatcgaaaag aagactacct ttgagaaatt ggatacctga tgtcgaaaga 180
agrtaattac aagcggacac gggaatatat ccgargcctg aagrtggttc caagtattcc 240
ctatctagga atctatcttc tggrtttaat ctacattgrt tctgcatatc ctgcctcagg 300
agtaatcatg gaaaatgaac aaagatccaa tcagatgaac aatattcttc gaataattgc 360
tgatttacaa gtttcctgca gctatgatca cctcaccacc ctgccccatg tgcagaagta 420
cctgaagtcc gtacgctaca ttgaagagct ccagaagttt gtggaagacg acaactacaa 480
actgtcgctc agaatcgaac caggaagcag ctctccaaga ctagtctctt ccaaggaaga 540
tcttgcaggt ccctctgctg gctccggttc tgcgaggttc agccggaggc acctgtcctg 600
acacatctgt tgctggcagc ctccccacan ctccagtgcc cagacacagg gaagagccac 660
agcctaggna acaatatgga tgtgttcagt tgagtgttag ttgaggagta aaagtgcgac 720
atttcccttc ggagaaaggc aagggcacct acttggacga cagtgttcnt agagtt 776

<210> 132
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<400> 132
atcagggacc cttttgatcc aattatagtt attgggcaga tacagtagta ccctattatc 60
agaagaccta gtttcaaatc ctgagtcaat ttctaattca ctgtgtgacc ttgtacaagt 120

cacttaagct ctctgatcat tggttcaaca tctttaatat gaggagagta atgcctatct 180
caattacctc ataaaattat tgcaaagatc aagtgagttg atatgttaca aattatttct 240
aaattataag attctgtata agtggaaggg ttaagtatac tcccatatta ttaaacaccc 300
tacgtatcac tcaggattct atatgactct gagttctcaa tttctagnaa atggtcccat 360
ttttgctttg ttccctacaa ttctacggag tctttttttt ttwaaaggaa gggtgtaggc 420
aaaggtaaat gggagaaaac atggaatcac ataccactct ttggtgctgc taggcaagaa 480
ttttaaactg agtttaggtc accatcgtgg acttaaggtc catatcacct cagggagaca 540
agtagagtgg gaggcatcca aaaggtaggt gattcttctc ccctctagtg aagaatacaa 600
ggtcaattta caaaaaagca ccagcagcaa ataattggaa aattaaattc ataaamcatt 660
tataatagcg tcaaaaaaaa aaaaaaaaa 689

<210> 133
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<400> 133
ttcntgcccg ccccatcctg tgctttggcg taggcnatca ctgaagactt tctatttctc 60
cattagttca ttcatcttgg tagctagact catgacggag ctgctgccac cccagcagat 120
ctgctcgcct tgctgcttct tcacggtctc cacggccttc gcagaggtgt cagcaactgc 180
catgaccact tgcagcagtt ggctgtagga agtcagattc tggtgcgtgg cctggatgat 240
ggggccgcac gggtggaggt cagggcctgg gcgctggcag cactcgccca gctcgtcgtc 300
gtagattngg agaaaagcca agattagctg gtggaagtcg gaagtgacca gacgcagctt 360
ctggtctagg gtgctgatgt cggctgcgcc cgcaaarccc cttgcttcat gctgtgcaaa 420
ktactccgtt tctaaagcgc gtgcaattgg gcagcattct cctggcagtg nctgggcaac 480
ttcngccanc tttttcttct tcttcggaan ttggcaaagg catgggccca atggccatca 540
tcaatctggc ttgtt 555

<210> 134
<211> 790
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (776)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (780)
<223> n equals a,t,g, or c

<400> 134
gcaagaatat aaaattctga ggcctatttt agctctaagc cagaccatgt tataacttct 60
taactgaata cttcttatct atacttttt tctatatctt tccatctatc tgtaagtagc 120
ttttcccatg atctgacttg tttatatttc ctattaactg acaaagcatt taaaaacagt 180
taaaaattgt ctcgacaggc attttaaatg tcaagacatt ataaaatact ttagatttat 240
acagcaattg tgaacacctt tgacaaatga acatgtctgt tcagcctttt tggtaccct 300
ttttattttg cttaggtaga tcaaattcta agttgatctt ttctagcagc agggtcagag 360
tctagtgatc gtttttaaaa tggcttagat gctacctttc ttttctgaga actcagtgtg 420
atataatcct tataagatat tgacagctaa ttttatggat tatcctaccg ggacagtgga 480
acctaagtag tttgaagacg araaattgtt ttgattcaka agcaatgggt tcactagtga 540
aaggaaagat cccacgatcg taagtggtaa atgtttatat ttgttgaata actctctgaa 600
aaaaggaaat aaagtagatt agccttggta agaggtggct taagagtggt tttatgaatc 660
taagttttat ttgaaaaatg tgtgaacttg tttaaggtaa atgtgagaat taataaagga 720
attgagaaga aagatatttg atcgtttttt ggaataacat ttacccaatt taagangttn 780
aactactttt 790

<210> 135
<211> 1408
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (116)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1399)
<223> n equals a,t,g, or c

<400> 135
tttgccagct ctgaatcttt attttaattg atctttttat tgatgtgtta tataaatgag 60
gaagaaaaat tttgtctgat tatgtgaagg atctttctgt acatgaaaag aagggnaaat 120
aaacttgcaa ttgaatagac tgattatagt agcactgaga cacaaaaaga ttgaccatgt 180
tgccctccag acactcatac aaggtcgtgg acaccaggtt gaaggcggac tatttagggt 240
ggtaaaggaa ttatgattgt tcttgagcca aagtaattta gtttgaatat aatgaaacat 300
accctgtaaa gactgctaga aagtaaaagg attcgtcttc agaggttgta gaaggtgccc 360
ttcttagtta aaaccaaact gggaaaagta atactggata aaatattcag gataaatttt 420
gcctcagcag aatttcaaag ggcagttgtt cctctgtttc attattgaat sttcagaata 480
tagttaaagc caaargctta aaatatgtta aatgtttcac ttataaccat aatcttttta 540
catagagcat actctgcctt cataataact aaatcctctg catgtggtag atgagtacgt 600
ttaggaaata ttgtcagtgc aattaaatgg cctacacttt aaacagtatc ataaaaacaa 660
atccttaaat atattctact tgagtcacaa aagctgaaca acagaaaggt gttttgtttt 720
tgcctttctc acagtgttgt ggtgagaatc agatgagata gtatttkgac taaacacttc 780
tgaaattgta aatatatggt ggcattattg ttcttatgtc ggcttaggag gataccaaag 840
gggaagttaa tggtcacagt gcacttatgt agctttctaa gctactcaat gtgattcttg 900
ttctctttgc tgttcttttt ctcctccccc atggtgtcct tcagagagaa aaggaatgta 960
gataaatgaa tccctgcaga tgtgtcctga catttcaggg agggacaggg tataatgatg 1020
ccatcctgca aaggcagcct gtgtgagaaa aagaaatcaa ataatgtgga ttttaaaatt 1080
acaaaagaca ttcatttgca gtttatgaaa ggaaaatgta gtttggatac aaagctgatt 1140
aaattggatc aagaaatatt agaattaaat gcaaaaaata atccatgcat ttatggtttt 1200
gatttttata tattcccagc tagttgaaaa tggatgattc ccacaagaag cataactcag 1260
cttggttcct gcttaccgga gtatttccac tatggtatat attgatacat tccttccatt 1320
atggtaggtt gtataccaga ggtaccagtt accggtgggg atcntaattg gaattttggc 1380
ncccggggtt ccngggganc ctttacaa 1408

<210> 136
<211> 902
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (814)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (902)
<223> n equals a,t,g, or c

<400> 136
aattcggctt tcgagcggcc gcccgggcag gtacttataa ttttggcctt ctgcactact 60
cttttgctct tacgaacata atggactctt aagaatggaa agggatgaca tttacctatg 120
tgtgctgcct cattcctggt gaagcaactg ctacttgttc tctatgcctc taaaatgatg 180
ctgttttctc tgctaaaggt aaaagaaaag aaaaaatagt tggaaaataa gacatgcaac 240
ttgatgtgct tttgagtaaa tttatgcagc agaaactata caatgaagga agaattctat 300
ggaaattaca aatccaaaac tctatgatga tgtcttccta gggagtagag aaaggcagtg 360
aaatggcagt tagaccaaca gaggcttgaa ggattcaagt acaagtaata ttttgtataa 420
aacatagcag tttaggtccc cataatcctc aaaaatagtc acaaatataa caaagttcat 480
tgttttaggg tttttaaaaa acgtgttgta cctaaggcca tacttactct tctatgctat 540
cactgcaaag gggtgatatg tatgtattat ataaaaaaaa aaacccttaa tgcactgtta 600
tctcctaaat atttagtaaa ttaatactat ttaatttttt taaagatttg tctgtgtaga 660
cactaaaagt attacacaaa atctggactg aaggtgtcct ttttaacaac aatttaaagt 720
acttttttata tatgttatgt agtatatcct ttctaaactg cctagtttgt atattcctat 780
aattcctatt tgtgaagtgt acctgttctt gtcnctttttt tcagtcattt tctgcacgca 840
tcccccttta tatggttata gagatgactg tagctttcgt gctccactgc gaggtttgtg 900
cn 902

<210> 137
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (671)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (685)
<223> n equals a,t,g, or c

<400> 137
tacttcagat acactagtaa agcctgctgt attccaacta atgaggacag atatgtaata 60
tatatacatg tatatacgta tgtatgtata tatactatat atataattat actttaagtt 120
cctaaggtac atgtgcagaa tgtgcaggtt tgttaaatag gtatacatgt gccatggtgg 180
tatgctgcac ccatcaaccc atcatctaca ttaggtattt ctcctaatgc tatccctccc 240
ctagccaccc acccccagac aggccccgct gtgtgatgtt ccccteccctg tgtccatgtg 300
ttctcattgt tcaactccca cttatgagtg acaacatgcr gtgtttggtt ttctgttcct 360
gtgttagytt gcwgagaatg atggtttcca kcttcatcca tgwccctgca aaggrcatga 420
actmattctt ttttatggct gcatagtatt ccatggtgtk tatgtgccac gttttcttta 480
tccagtctat cattgatggg catttgggtt ggttccaagt ctttgctatt gtaaatagtg 540
ctgcaataaa catacacatg tctttatagt agaatgcaca tgtctttata gtagaatgat 600
ttatantcct ttgggtatat aaccagtaat gggattgctg ggtcaanggg cattctggtt 660
caagatcctc naggattcac cacantgtgt tccacataat ttaagctatt ttacactccc 720
accagcagtg 730

<210> 138
<211> 524
<212> DNA
<213> Homo sapiens

<400> 138
ggcagaggag gccactgtgc ctggtcaaga aatggaactc ttacacactg ctggtgggaa 60
tgtgaaatgg taagccactt cggaaaacag tttgacaatt tcttatgcta aaaatacacc 120
tatcagatra tttagccact tctaggtatt tacttaagaa aaaataaggc atacatccat 180
atgaaractt gtaaataaat gttctcatta tttttatttg aaatagctma aactggaaac 240
aacccaaata tccatcagca agtgaatggr taaacaaatt gtratatttg tatgcaatat 300
aacaccactc agtaatatga aaatgaacta ctgatgtttg caaaacgttg aaattcaaaa 360
taattatgct gagtgacaga atccagacca caaataatac ataatgtwtt attctattta 420
cataaagttt tagaaaaatc caaactaatc ttartttacc aaagccatac caatggtata 480
tggggcttgg ggcagkttaa acsgattatt gaaaaaaaaa attt 524

<210> 139
<211> 869
<212> DNA
<213> Homo sapiens

<400> 139
ctgattcctc ctcacatatg aaaagtgaaa gttgtgagtt gttttcctct tatttaaaca 60
ttggcctatt ataatctgtg ttggttattt ttctcctgta agcatcctga tttttctgta 120
ggaacttttc tttaaatgac acacattgcc acttgtgtag atatttttaa gttctttggc 180
taagtcctct cctaactgcc tgtcctctgg ttaggcccct ccctctccac tagtggtgaa 240
tgcatgtgtc tgtctgatca gcatcactgc acacggaggt ctagtgagcc tcttgctaag 300
tgtcacacac actcttccca aagacgtgat gagttaaagt tgtattctga aatcatgaag 360
ccagagcctg tgccagacct tctgctacct ctcatagaat tgctctgtaa ttctaaattt 420
aaaattagaa gtagagagag ataagccatc gccccttgc ctctgagaat tggctgctgt 480
ttctaatata attattttct aagatagcca gatagttaga aaaagatttt cattgatgac 540
atatctttaa actttcttgc atcagtattc taaattgagc aaactgaaag attttcatca 600

ggaaaggagc actgtgggaa gagcccagta ttcacatttt ttccccattt ttcagaagcg 660
acatttcata tataggtgcc aaaagtgaat cggggtgcgg agagtgggaa ccttttgaat 720
ttatgattgt cacagagatg gtagaaatta tgatctgact ggaaaacaat cctgtatccc 780
ctcccaaaga atcatgggct ttttttttga attaaaaagc agacaaatag actttctcgg 840
gaaaaaaaaa aaaaaaaaaa cgcggccgc 869

<210> 140
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<400> 140
ggggnaccag cgcgggtgcg cagacgaaag gcgctctttg ccagctgaaa gttcccacgg 60
aaaaactacc atctcccctg cccaccatgg cagacgaaat tgatttcact actggagatg 120
ccggggcttc cagcacttac cctatgcagt gctcggcctt gcgcaaaaac ggcttcgtgg 180
tgctcaaagg acgaccatgc aaaatagtgg agatgtcaac ttccaaaact ggaaagcatg 240
gtcatgccaa ggttcacctt gttggaattg atattttcac gggcaaaaaa tatgaagata 300
tttgtccttc tactcacaac atggatgttc caaatattaa gagaaatgat tatcaactga 360
tatgcattca agatggttac ctttccctgc tgacagaaac tggtgaagtt cgtgaggatc 420
ttaaactgcc agaaggtgna actaggcaaa ggaaatagag ggaaaataca atgcaggtgg 480
aagatgtaca ggtgtctgtg catgtgtgca atgagtggaa gaatatggct gtagccataa 540
aaaccctgtc aaataaaacg ggnaacattc aggccangga ccactg 586

<210> 141
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (546)

<223> n equals a,t,g, or c

<400> 141
aaataaaaag gcagtggccc caccacattt ttttcagcat agtagctggc attttgttat 60
cattagccag agtagcttca gcatataagt tattgatgtt ttccaacttc aaaagtgcat 120
tttatcctcc cagtaaattt gataatgatt tgtcacagct ttgtcatctt ttgacttttg 180
cttatgggcc tcacttcgta caactataac atgaaaaagg attgtcctaa agtaagggaa 240
tcagttaatg gtaggatgaa gaaactgtaa aaactcctag aaaaaaaacc tgtgtgcatt 300
tttctggaaa gttttcaaac tgtgtaattc agttttcatt caattatata atttggttat 360
atgctttaaa aaacatttgt ctaaatgttc ccggttttct tctggtctta gagtcagctg 420
agtgctggct atgcagccac tcgtattttt gcatccagaa aggagtaact ccctttatat 480
gaagrttttt tttttaagct tagatgctat gtaaggagaa aactatttgt aatcacatag 540
tacccngggr ggggagtgrt ggatgctttt ttaaaaaagg rtatttaagt atattatgta 600
atttaaatat aaat 614

<210> 142
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<400> 142
ntgttaagtt ctgacattng gagaaaatac attacaaaga acaggagctg gtttttggtt 60
ttccttgtgg ctgtgttttt gaattgaagg gatgtgggat ggtggtgaca gaagtctgag 120
catagtttct gaataattgg aggggagatg ggcattcttt gggactatgt ccgcattaca 180
ttgagttttc tccctctagg aagagagagt ttgtgtttta ttttctgtaa gtaaaagcta 240
catgtttagg atttttaaac catattaatt gttatatttt gtatttcata attatattat 300
gtgttagtgt gtactggaat aacatgtttt atttggttag ttggtgcaaa agttttctaa 360
atctactgct gtattagaaa ctgaaaaggg agggaaattc cagatgtttg atgggaacat 420
cactggtgaa tatctaggrt tggtaagtag acycaaggtt gaagragtaa ggtggggtta 480
acccttaata ttacctttkgg tatatgcccg tttttagcac cngaatcacg ggggtccttt 540
gttccccaac cttaacagca gcccctgtct ggtn 574

<210> 143
<211> 2012
<212> DNA
<213> Homo sapiens

<400> 143
tatgcaagct cgaaattaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg 60
gcggccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg agtgtagagc 120
tcaaagaaat ctgccaacat gtatgtggac tcttgagagg tgggctttcc cagtacatgc 180
taaacagact tgttatgcca agaggaagtg aatagaaatg atagcatcaa atatccaaac 240
tgacaggaag tttcttttgc atagcataga acatggttgt cttctgagtt ccactaatgt 300
tccaggatat cttggccctc tgcctctggc tgctccctgg tgtttggcac catagcgttg 360
tcacttacaa ccattgcctt gggacacaca gagtgaactg tttgagtgat aagtaattta 420
ggtagaaact ttacccttaa tttcaaatga taccaaacag ctcattacta ccccaaggga 480
cgctctccgt agcttctgga ttccccagtt tccttctaga aacaaggact ccaatagcac 540
tataacccta aacaggccct aacccagaag aatacaccac aaaatgcgat tgatttttc 600
aaaatatcac agtcttagac actatacaaa taattcaaga aaattctttc taccctgcag 660
tggatatagt attctattat attctccagc aaaacttta ggacttttca aactcatttc 720
taagccaaat agtttagata aatatttacc cttatatttg gggggaattc aggctcacca 780
tttgccgagg caagcccatc aacagtctag aggcatattc tgtgtcattc cttcccgtct 840
ccttcataga atactacttt ttccttttgt ctcctggcca ttctccatca tctgctgatt 900
attgctaacc acaggatgct ggcaaagctt acagtgatag gcacatgtgt tcagtgatgt 960
ccaatacact cttatcacag tggttattgc ttcttactct tttcaaatgc attattctac 1020
ccctcaacct atatccaatc attagaacta tacctgactg gagcccagaa cttgggacca 1080
atacttaatt caaatagcag gggcttgctc acaaacatta agcccaaaaa gaagcacagc 1140
actttgaaaa gtcaaatagg cctttggtag ctctgtacat ttgcaatttt acatttgtta 1200
ttagtttata gcactaataa cacttcagtc gtgaatctac agtctcaata tgataagtct 1260
tagaacatgt tctagaaata gtggtacctt gctgctatta tacttagtaa cttatacccc 1320
aatataataa taagtattaa atacagattg tgtatgcatt ctttgtgtgt atatgccaac 1380
tgtactactt aacctcactg atgagcaatt agaaaaatac acaaattgtc atagtgaaaa 1440
taagtcttgg tcaattcaga tgatacgtga acctgataaa tgctctaata gatatgctat 1500
tttgtcctgt attgcttgtt ttacagtatg gtgcatgttg tttgctaagt aaaatgataa 1560
taataataaa gtataccaat tttaaggtta gaattaaaat tttgcacata tgcttcttga 1620
tattctgaaa tgtattctgt ggcttaatta tcttattcat acacatttca ctttggcttt 1680
ttacccctag gaaataactg tccaagtata tatctcgtct tctttcttgt aactttgatt 1740
aaactgctta cttcaactta caacattgta aagccagaat acctcatttt aacagtgaaa 1800
aaaaatatga tgacctgatg tgttctcttg tatttgattt gaactaccta aataggctta 1860
actgtaataa taaatataca attttggcag gcatttttc ctttgtttgg atgaacattt 1920
tgttattggt ccacttctaa ttttgtctta aagagttata aactcagtgt caataaaaca 1980
tcttgttata taaaaaaaaa aaaaaaaaaa aa 2012

<210> 144
<211> 558
<212> DNA
<213> Homo sapiens

<400> 144
aagttttttc ttaccccatc ctagtgagtt tgaaagtggg cctgaccaga atgtctcttt 60
cccatttttgc cccgtttgaa ttaaatataa tgtctactct ttaaaggctg aaggggtggg 120
tgaggggatt gtttctcatt ttgtctccca agtcattttt ctgctgtgaa atatgaccag 180

gcttgtagga agactcatct tggagaaaat gtgaagtaat caaattgctt gagattagtc 240
tcctattgta tattagagcc aaaacacatr ataactttgg caacagggag ttgtctagac 300
tcaattttca gaggtcccat tgtagtgagt taatattgct aatcatgtca atcacttgac 360
akggaagtca gtggcaaatc tttaaagtat gcatttgata ctggcaaata tatactactg 420
atgtttcaca aaagaatctt agaatctgta gaaaacatta attacttcca tgaattattt 480
ctaaagtata actttaaagt tttgattttt ctatttaaat aaaaagcyat kgatgkgttt 540
agcakgtccc caaataga 558

<210> 145
<211> 1026
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1007)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1014)
<223> n equals a,t,g, or c

<400> 145
gcatttatat cctgttaagc attaatagct aatcactggg acttgaattc tgatggcaga 60
tagtctcttg cttagtgaga tggagttaac tatttttag taggaagtga gaacagctga 120
ttttcatgcc acgtttcata gccccacttt tggtagacta ccaccacgct kcttcgcgta 180
anagtyggca tcttgggaat gaatgcccag ccgctcgtgg gttggtgcaa agaagtataa 240
acatatatca ctaaggaaaa agaaagtttg tcttgcccct ctgacacagt gtgtgcactt 300
caggcaattt ttggaaaata taaaaaattc caawttctgc ctttcagcag catcaattgc 360
taggaacatt tcattcattt ccctgtaata ttaatgttct ttaagcataa tcactaatta 420
taagttgtat cctatttttt tccagcttaa tttctgtggt ttattgaaaa ccaagtataa 480
atgtgactaa aagcattttg ctttgttttt atagttaact ttcytaaggt tatggacatt 540
twataatgta acatttgatt ggcctggcct cttgacaatt cccttctagt tatgcatatc 600
ctccctgttg cccacatttc ttgttttaaa actcagtttc ttgttttcca gttgttgcta 660
tgtataacac ccatcttgaa agagagtata taggaagtta ttcagataac ttttgtagta 720
gtgatattca actatagcag taccttaact catgatgagc ttaggaacat aaaagataat 780
tgttgcttga atagcacccc cagagatact gacctaattg gtctggggtg gagatctggc 840
atggtagttt ttttcaagct ccaatcatcg gccagacagt tgctttatgt aggtttttaa 900
atgccaaagg cagatatgaa gtagatttaa ttaagacttg acttcagcaa tacaggggaa 960
cttaaaatac ttrttttttct ttaaactgca ggagtcactg ttaggtnttg cttnaaaaaa 1020
ttgcat 1026

<210> 146
<211> 521
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 146
gggacctggc aagcggcggc tgcagggcag gtccaggggc cacatggctg agggggacgc 60
acggagcgac cagaggcaca atgaggaaat tgaagcaatg gcacccattt atggcgagga 120
gtggtgtgtc attgatgact gtgccaaaat attttgtatt agaattascg acgatwtwga 180
tgaccccmaa tggacacttt gcttgcasgt gatgctgccs aatgaatacc caggtacagc 240
tccacctatc taccagttga atgctccttg gcttaaaggg caagaacgtg cggatttatc 300
aaatagcctt gaggaaatat atattcagaa tatcggtgaa agtattcttt acctgtgggt 360
ggaggaaaat aagagatgtt cttattacaa aaatctccag gtgacagaac caggcccaga 420
tgttaaagga ggaaaactgn aggaggaaga tgttggaatg tggaaggtgg atcnccattt 480
ttagcatgtt cagccgggaa agttcggttt aaaagcattg g 521

<210> 147
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<400> 147
ggattaacca ttaaatngat tgaaaaggaa actttgcacg gtatgagctt catacccca 60
ccaaacaaag tcttgaaggt atttatttta ccaagtatat ttttaaagtt gttttataag 120
agagactttg tagaagtgcc tagattttgc cagacttcat ccagcttgac aagattgaga 180
ggcccatgcc aacagtctaa tctaagagat tagtctttca aactcaccat ccagttgcct 240
gttacagaat aactcttctt aactaaaaac ctagtcaaac aaggaagctg taggtgagga 300
gatctgtata atattctaat ttaagtaagt ttgagtttag tcactgcaaa tttgactgtg 360
actttaatct aaattactat gtaaacaaaa agtagatagt ttcacttttt aaaaaatcca 420

ttactgtttt gcatttcaaa agttggatta aagggttgta actgactaca gcatggaaaa 480
aaatrgttct tttaattctt tcacctttaa agcatatttt atgtctncaa aagtattaaa 540
aanctttaa tacaagt 557

<210> 148
<211> 1023
<212> DNA
<213> Homo sapiens

<400> 148
ggcacgagga accaccttct gtaggacagt caccaggcca gatccagaag gcttgaggcc 60
ctgtggtccc catccttggg agaagtcagc tccagcacca tgaagggcat cctcgttgct 120
ggtatcactg cagtgcttgt tgcagctgta gaatctctga gctgcgtgca gtgtaattca 180
tgggaaaaat cctgtgtcaa cagcattgcc tctgaatgtc cctcacatgc caacaccagc 240
tgtatcagct cctcagccag ctcctctcta gagacaccag tcagattata ccagaatatg 300
ttctgctcag cggagaactg cagtgaggag acacacatta cagccttcac tgtccacgtg 360
tctgctgaag aacactttca ttttgtaagc cagtgctgcc aaggaaagga atgcagcaac 420
accagcgatg ccctggaccc tcccctgaag aacgtgtcca gcaacgcaga gtgccctgct 480
tgttatgaat ctaatggaac ttcctgtcat gggaagccct ggaaatgcta tgaagaagaa 540
cagtgtgtct ttctagttgc agaacttaag aatgacattg agtctaagag tctcgtgctg 600
aaaggctgtt ccaacgtcag taacgccacc tgtcagttcc tgtctggtga aaacaagact 660
cttggaggag tcatctttcg aaagtttgag tgtgcaaatg taaacagctt aacccccacg 720
tctgcaccaa ccacttccca caacgtgggc tccaaagctt ccctctacct cttggccctt 780
gccagcctcc ttcttcgggg actgctgccc tgaggtcctg gggctgcact ttgcccagca 840
ccccatttct gcttctctga ggtccagagc atcccctgcg gtgctgacac cctctttccc 900
tgctctgccc cgtttaactg cccagtaagt gggagtcaca ggtctccagg caatgccgac 960
agctgccttg ttcttcatta ttaaagcact ggttcattca ctgaaaaaaa aaaaaaaaaa 1020
aaa 1023

<210> 149
<211> 1256
<212> DNA
<213> Homo sapiens

<400> 149
gctcagcctc ccaaagtgct ggtattacag atgtgagcca ccgcacccag cctgagtttc 60
tctttctctc tttttaactt tatttttga aaaacccggt agactttgtg gggagcattt 120
ttgttgataa tttactgatc taaagctgag tgatttttta aaagaatttg aatctaatag 180
atctgtggtt gaatttsctg tgttgttatg aagtccaccc tgtgggcaca ataacataac 240
tgttggtagg agttgtttga gctattctgg agattatttg gtaaagtata ctaaaagcct 300
taaaaccatg tatgtgcgct gtttgaacca gtaagccact tctttgacat tagaagacat 360
tagaagaaat aatcagcctt gcataaaact tatggatgaa agtattcatc acaatattat 420
ttataataaa aaattgcaaa tgttataaat gaacaattgg gaaatggtta aagaagtgat 480
ggtgcattgt gtggtagaat attatgcata tgtttaaaga atcatatttt ctaagattat 540
ttggaagcat gtttggtaat gtcaagtgga gtaccccaga tacattttag acatttatcg 600
tcatcatctg ctctgagtgg aaggccgttc agagaggcta gaggttctta ttctggctat 660
aaattatgtg agtaaaattg tgctaaccag ttaaaagtac tgtacaccca tgctcaatat 720
atagtcctgg aaatagcaat tgaaacatgt cttctcacaa gagaaaatga cagttttaat 780
gatgtatttg atgaatttaa actttaagtc aggtgctgca aattggaaag aagacttgtg 840
gtgttttaag ttgctgtgga cacttttaag aaacttagaa cccatggaac ccttgtttat 900
cgccatgcaa attacaatct tgaatgagtg ttttttaaaa ataaagtatt agaaaaatgt 960

gtagtaaaga tgtaaaatta aaaaatggaa ttctccatta actgtggatt ttactaaata 1020
gaattactgg tgaagcagat ttatccatcg agactatctg gtatgcgtta tgtatgtagt 1080
ctgttgctgc tgaaagatgt ctgtgtgcct gtatcaacat gtgacttcat gtaaagtttc 1140
tttgtgttca cagttcttag caaatgcagt tacaatccat agatagccag cagtggatgt 1200
tactccagga aaatgcagga ttaaaattgt ccttgtgtaa aaaaaaaaaa aaaaaa 1256

<210> 150
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (683)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<400> 150
cctcgctcaa gccctcagag aagaacattt tcaccctctt catggtggcc acagctgcca 60
tctgcatcct gctcaacytc gtggagytca tctacctggy ragcaagaga tgccacgagt 120
gcctggcagc aaggaaagct caagccatgt gcacaggtca tcacccccac ggtaccacct 180
cttcctgcaa acaagacgac ctcctttcgg gtgacctcat ctttctgggc tcagacagtc 240
atcctcctct cttaccagac cgcccccgag accatgtgaa gaaaaccatc ttgtgagggg 300
ctgcctggac tggtctggca ggttgggcct ggatggggag gctctagcat ctctcatagg 360
tgcaacctga gagtgggggа gctaagccat gaggtagggg caggcaagag agaggattca 420
gacgctctgg gagccagttc ctagtcctca actccagcca cctgccccag ctcgacggca 480
ctgggccagt tccccctctg ctctgcagct cggtttcctt ttctagaatg gaaatagtga 540
ggccaatgcc cagggttgga gggaggaggg cgttcataga agaacacaca tgcgggcacc 600
ttcatcgtgt gtggcccact gtcagaactt aataaaagtc aactcatttg ctggwaaaaa 660
aaaaaaaaaa aaaaaaaaac ccnggggggg gnccggta 698

<210> 151
<211> 1710
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1644)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1707)
<223> n equals a,t,g, or c

<400> 151
aatttcggcc cgagggtgag ggcagctgga gtgcgttctg ccgaagcttg tggttgcacg 60
cccttcgtct taggggctac cttccgtggt gagtgtgtgc ggtgttgcac ttggggttgc 120
ttctcgctgc gtggccgcac gnggctgaac ccttcccact ccatcccctc cccgcacccg 180
gaccagcccc tgggacgccc tcggacgncc acccgctcca accctgggga agcctcagag 240
tngcagcgaa ggcctyttgc ctttccgcct ctgcgcttgc tgtcatcgcc cacgtgcttt 300
gttgttgttc ggtgcanacc atgtccaagt ctctgaagaa gttggtggag gagagccggg 360
agaagaacca gcccgaggtg gacatgagtg accggggcat ctccaacatg ctggatgtca 420
acggcctctt taccttatcc catatcacac aactggtcct cagccataac aagctaacaa 480
tggtgccacc gaacatcgca gaactgaaga atttggaggt gctcaacttt tttaataacc 540
aaatcgagga gctgcccaca cagatcagta gccttcagaa actcaaacac ctgaaccttg 600
gcatgaacag gctgaacact ttgccacgag gcttcggctc cctgccagct cttgaggttc 660
tggacttgac ktacaacaac ttgagcgaaa attctcttcc tggaaacttc ttctacctga 720
ccaccctgcg tgcactctat ctaagtgaca acgattttga aatcctgccg ccagatattg 780
ggaagctcac aaagttgcag atactcagcc ttagggataa cgacctgatc tcgctgccta 840
aggaaatcgg ggagcttacc cagcttaaag agctccacat tcaggggaac cgcctcaccg 900
ttctgccccc agaactagga aacttggatt taactggcca gaagcaggta ttcaaagcag 960
agaacaatcc ctgggtgacc cccattgcag accagttcca gcttggcgtg tcccatgttt 1020
ttgagtatat ccgttctgag acatacaaat acctctacgg cagacacatg caggccaacc 1080
cagaaccacc gaagaagaat aatgacaaat cgaaaaagat cagccggaaa cccctggcag 1140
ccaagaacag ataaggaagg gattggcatc ggctggcctt ccagcacctt ctctctccaa 1200
cacttcattc tctcttgccc tgtctctcaa ataaacccaa tgctgcgtgt gaggcctttt 1260
ttatttttct tttcactctc tttctaatgc ttcccacctt acctttaga ttcttttgct 1320
aggtgggaga ttgttataag gtctttaaac catttccatt tgtttcttta acattaccaa 1380
aagcagggaa caaagctctt attcaactgc gaattccata gtgggctctg gcttttcttg 1440
aatagatatc acaaggttgc ttattatcaa aagaataatt aaaatcatgt aaccatttaa 1500
atgtcactgt taacactttt cactctttct gttgattcac ctaactcatt attttgcttt 1560
attaaaagtc ttccttcacc accgagatat gctaatttaa cttacaaatg attttaataa 1620
aatcttgagt ttgtaaaaaa aaanaaaaaa aactcgagag tacttctaga acggccgcgg 1680
ggccatcgat tttccaaccg ggtgggnacc 1710

<210> 152

<211> 1121
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<400> 152
ggcacgaggc agaatggtcc tgccagccac agcagggccc tggtggggat ttgcactggg 60
cactccaatc ctggagagga tgccagggac ggggatgctg aggaagtcag agagcttggt 120
acggttgaag aaaactgagt cttgggcaat ttgtgctaaa actaggtgag ttgccaaacc 180
caaggcatct taccaacagc tggtttgggg gctggtttcc ctggtgttgt gtgttaccta 240
ccctttggct tggcttgacc tctccttgtg agctcacctg agccctccca gggccaggtt 300
cctgacagtg ttggtttttg cacatccact ggaaaggtgt cattaatgac ccagtgttag 360
aatgcaagag gtcaggttat tctagccctc atggctgaag gcccagtcct ggctccacca 420
ctcctccagc cagagggtct ggaccatcca gtgcctgtcc tcgccacagg gcctccaggg 480
agcattcggg tcaawtccat ggacaccctg ggctacaaac caaggctgct gntcatccca 540
catcgtgtgg ggcagtgtcc atcccctgca gctacttggt gacttaacaa ctycaggagc 600
cctgtcagct gccctcctcc acctaaaccc cttcgactct tctgctttga caaagaaaat 660
gacattgggg aggggaggtg ctccgcctcc cagcttttct caaaatagtc ctatagatac 720
tggtaatctg gaaatgaaga agtaattctg tctctgcacc tacttttgca gaatgttcaa 780
ggaagtattc tgtgttagta ttaatgccaa aaagttgttt ttaaaggttt tgtactcagc 840
acatcataca aaccacatta cttctgtcac ttcagggcat cgggactggc tggcgccctt 900
gttatgtgct attttaatca gtgtaacatt ggtcaagttg ttacccatgt atgctgtgtt 960
tatcatgtgt atatcgtcya gaaagtatta aggctttagg tagatgcaac tggcgaacct 1020
tggagaggga atgctgattg tcttgaccaa acccacagcc tgtctcttct cttgtttagt 1080
tacttacggc aataaatcat ctatgagtta gtgcaccgtg a 1121

<210> 153
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 153
ttttcttgca tctgcccgcg atcttctccc agacctttct gcgagtacga gccaaccggc 60
agacccgact gaatgctcgg attgggaaaa tgaaacggag gaagcaagat gaagggcaga 120
gggaaggctc ctgcatggct gaggatgatg ctgtggacat cgagcatgag aacaacaacc 180
gctttgagga gtatgagtgg tgtggacaga agcggatacg ggccaccact ctcctggaag 240
gtggyttccg aggctctggc ttcatcatgt gcagcggcaa agagaacccg gacagtgatg 300
ctgacttgga tgtggatggg gatgacactc tggagtatgg ggaagccaca atacacagag 360
gctgatgttc atcccctgca caggcgagga gctggttgaa gccaaggaga gagaggcatt 420
tcggggcgca ttcttaaatn gccgg 445

<210> 154

<211> 798
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (638)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (665)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (698)
<223> n equals a,t,g, or c

<400> 154
agctcttaga caggtacaga gaactacaac ttagtacaga aagcaaagta acagaatttc 60
tccatcaaag taaattaaaa tcttttgaaa gtgagcgtgt tcaacttctg caagaggaaa 120
cagcaagaaa tctcacacag tgtcaattgg aatgtgaaaa atatcagaaa aaattggagg 180
ttttaaccaa agaattttat rgtctccaag cctcttctga aaaacgcatt actgaacttc 240
aagcacagaa ctcagagcat caagcaaggc tagacattta tgagaaactg gaaaaagagc 300
ttgatgaaat aataatgcaa actgcagaaa ttgaaaatga agatgaggct gaaagggttc 360
ttttttccta cggctatggt gctaatgttc ccacaacagc caaaagacga ctaaagcaaa 420
gtgttcactt ggcaagaaga gtgcttcaat tagaaaaaca aaactcgctg attttaaaag 480
atctggaaca tcgaaaggac caagtaacac agctttcacm agagcttgac agagccaatt 540
cgctattaaa ccagactcaa cagccttaca ggtatctcat tgaatcagtg cgtcagagag 600
attctaagat tgattcactg acggaatcta ttgcacanct tggagaaagg atgtcagcaa 660
cttanaataa agaaaagtca gctttactac agacggangg aatcaaaatg gcattaggat 720
ttaggaccaa cttctaaatc atccgtgaag gaaatttggc aagcaaatga aaaccagatt 780
cctcggttaa gatgcatt 798

<210> 155
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<400> 155
ggaatctgga agcctgactt tgcccccagg gaagttgggg accgccttcc ctcccttctc 60
cacctctcac tctnggcacc ctctccaatt gcactaaagt agctgttgtg ccagtctgcc 120
ccccacaagg ggggaggtct ctgcttycag tcttcttccc ccgctgcctc cgctmccacc 180
ctggacaatc tccttgtttc ccttgtgttc mtggayagct cagctttgta tgtgtgtttg 240
gggggtgggg gtgggttctg gcttgagtgg gtttggcagg ggtttgggaa gggttagggg 300
aggatggagg atgaagtctc ctacccccct ctccagctcc aggccacaga agcctgggaa 360
agggagggtg cctactctng gtngctagtg tgtctttgca 400

<210> 156
<211> 1757
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (596)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (648)
<223> n equals a,t,g, or c

<400> 156
gccagccacc attttatctc tctaaagtct ggtcccagta ttaaacctat tctttagtaa 60
actcatatta ctgttctaaa ttgaagaaat tatttattac tctgtacttc tagactcaaa 120
attctttatc aaagatagtc tcaaagaggt agtacaagtc ctgtttaact gcacttttc 180
acattcacag tgcttcctct gatatctttc cttacatcat tatacactgt tgatatcatt 240
ttactcttct ttctcttcta catttcttaa attttggttc ttttcctgta catgtgtttt 300
agcggggccc ttttctttga actttgtcta attagcctgt acatttttgt ttcttttaag 360
gtagaacaga tctttttttg tttctccttt taagtctact ggttttaaaa gaggtaaatg 420
tatccataga ccacagtgcc ttgctttttc ctctgccagc acatggagca cgggattaga 480
tgcacaaacc tatttaggga actattttgg tagatgtttg agtttataca gaaattgcag 540
ctggtatttt attttgctgt acatttactc aacttgtcca ttagtattta actatntcca 600
gagtttgttt aggagtaaga attgacccat tcgttagttt accatanntt ttcctggtat 660
aaaaaggagc cagaaataag ccttattgct aaataattaa ttatgtaagc ccacctaggt 720
cctgcataag atccccctca catacttcac aatatatatg tgtgtgtgtg tgtgtgtgtg 780
tgtgtgtgtg tgtgtgtgtg tgtgtatktg gctaaaaaat tatactgcca aaattactga 840
ttataaatac ttgactacac tgattgatgg gacaaaatga ttaaagtatt ttcagggatc 900
ttattccata tgtcaccacc aaagatttct acagtgttat aaagtatata aatattccaa 960
atttctgtgg ttaaatattt ttttcttttt tttccttttt tagaataaca cagtctgtgc 1020

tttccaaaaa tgcttgaact tttatgttgt taagaaatat ataatgatat cttacattaa 1080
gcatgagtct aatttgtatt aattgggatg gactaaattt tcatttgatt atcaggaaaa 1140
ttaaggagtt atatatttaa aagcaatttt ctgtgttttc ttctttgtaa gttgactcat 1200
ttgtgaagca attaggcaaa ttttgagaag atcattgtta ttgtggtttg cagtatatat 1260
ttcttagtaa atatcactta agattaaatt tttcagaaag aaaattatag ctttttttccc 1320
aaaatatttt taagatttaa tctttttgta gtatgctaca gatttaatta tattaactct 1380
tttttaagac attgaccatg acttaacatt ttgccttcta acacctttta aatctatgta 1440
ctttaatagt taagagaaaa taagtttgca gatttttaat aatctgtttg taaaaggcta 1500
tctctaagcc tagtatgtgg gtaattttac aggtgtgttt tttgataact ttaatataaa 1560
ataaactcat tttatttgtg gcaattcgcg tttctttttt tatgccagag tacatatgtt 1620
ggattccatg aattggtatt acttattatt atgtgttgat taaatatatg cacacactta 1680
ggattacaga tcacagagca aattatgaaa atcataaaca ttctggtatg gtcatccata 1740
ggattatgaa aaagaaa 1757

<210> 157
<211> 1245
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1245)
<223> n equals a,t,g, or c

<400> 157
gaaagccctg aatgttgtac aaagtgtttt gcaaatcaac ttaagcaatt ctacaaacag 60
aggatcagta gctgctaaga aatttaagga catcatacat tatgatccaa cgaagcaaga 120
ccatgccact tacgaaagaa aaagagatga taagccaaaa gaaagtaaag caaaacgaaa 180
aaagaaaagg gaggaagctg agaaactacc tgaggtgtct aaagaaatgt attataatat 240
tgctatggat ctgaaagaaa tattccaaac tacaaaatat accagtgaaa aggaagaggg 300
cacaccctgg aatgaggact gtggtaaaga gaaacctgag gaaatccagg accctgcagc 360
tctgaccagt gacgctgagc agcccagcgg gttcacgttc tctttttttg attcagacac 420
taaagacata aaggaagaga cctacagagt tgaaacagtg aaacctggaa agattgtctg 480
gcaggaagac cctcgtttac aagacagcag ttcagaagar gaagatgtta ctgaagaaac 540
agatcacaga aactccagtc ctggagaagc atcattactt gagaaagaga ccactagatt 600
tttctttttc tctaagaatg atgaacgact tcaaggttct gacttattct ggagaggagt 660
aggaagtaat atgagcagga actcttggga ggccagaaca accaacctgc gtatggattg 720
tcgaaagaaa cataaagacg caaaaaggaa aatgaaacca aaataataaa tgtcagctgg 780
ttttgatact gaatgtgaac aaggctcacc taaggaaact gacccagaaa acagttttag 840
ctgacaaaga agaaatttca gagtgaagga attttaaaaa tctggctgac ggaatatcat 900
tctggttgcc atctttttct gtggaactcc tctgcatttc ttcctaagta attacttcaa 960
aaattaaatt caacttctta taaaggaaga acaagatagt ccttgaaaat acttttttgta 1020
tataatctct ttgccctcta tcctgagtaa ctaatggaca tctttctcatg caaggtttay 1080
atgaagcctt tttwaataaa tgagtcaaag cacttgtatt ttccagccta ggctttgtgt 1140
gaattatagg ctatttgaaa ttttatttct gattatgtca aatacacctt ccgattttgt 1200
cattttgtt taaactgata aattacaagt caacattgag ttttn 1245

<210> 158
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<400> 158
gtgagctgag accatgccac tgtactccag cctgggcaat agagcgagat tctgtctccc 60
aaaaaaaaca aaaaacaaca acaaaacttg ctaccaccca gggatttttct gctatttaaa 120
aggtgaattt cttttctggt actaaactgt agctgcttaa cttagtaaag gctgtgtttg 180
gccaggcctg tgccagaggt cacctggagt gctccaccca ctggcaggca agtcctattc 240
ctattcaccc aggatcccca aggctgggct gggatataaa tgttgggata ggaaagaaat 300
atttcctttt tagaggaaag caagaagaaa cattgcctga aagtgattty ctagtcattt 360
ccattagtac agaangtta 379

<210> 159
<211> 474
<212> DNA
<213> Homo sapiens

<400> 159
ctttatcata ttttacaaat gtgtgagtct gctatggatt agaaattaat aagagatttk 60
gccacagata gtttgagaag cccagcactg ccactcaaca aatgctggtg cattcagatg 120
gtgaaatatt ctgcagctat taaaggagtt aaaactgcct ccacttacct ggaggcccat 180
ctgtgacacc tttttaggtt aaaaggaaaa gaaaaacttg cttaggactg aatatgagcg 240
gttgcaattt gtaacaatga tgtatatata catatacatt ttcatgtatt tgtatgaaca 300
taaaagtatt gaaggatatt catcaaactg ctaaaagggt tgcttcagag taacggactc 360
ggagaaggca gattaatttt ctcttaatgg aactctgtat tgtatcactt gtaaaaataa 420
gcatgtgtta tctttatgat aaaaaagtaa aaacctaaaa aaraaaaaaa aaac 474

<210> 160
<211> 1444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1373)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1430)
<223> n equals a,t,g, or c

<400> 160
gggnntagac accttagaga ttcagcagca agccctgcta agagagcagc agaagaggct 60
gaacagaata aaaatgcagg aaggtgccaa agttgactta gatgccatcc caagtgctaa 120
agtacgagag caaagaatgc ccagagatga cactagtgat ttcttgaaaa actcattatt 180
ggaatctgat agtgctttta ttggggctta cggtgagaca tatcctgcca ttgaagatga 240
cgtcctccct ccaccatcac agttgccctc tgcacgggag cgcaggagga acaaatggaa 300
aggactagac attgatagca gtcgtcctaa tgtagcacca gatggtctct ctctaaaatc 360
tatatccagt gtaaatgttg atgagcttag agtgagaaat gaggaacgaa tgcgaagact 420
gaatgaattt cacaataaac ctattaatac agatgatgag agttcactgg ttgaccctga 480
tgacatcatg aaacacatag gggatgacgg atcaaactct gtagcaactg agccctggct 540
ccgccctggc acttcagaaa cgctgaaacg tttcatggca gagcagctga accaggagca 600
gcagcagatt cctggaaaac caggcacttt cacttggcag ggcctgtcga ctgcacatgg 660
ttaaaataaa cctgtactgg acccagtagt gccttttaag gtgaaaggaa tggtaaatct 720
gtacctttaa tatgtcctac ttttggcccc tacctgaaag ttacttttt tccatcatct 780
gtatataaaa ttatttttat catgatgtat attatgtaca taaataaaag gccatgatta 840
ttgatttata taatagaatt gtatagatta tttttgcaca gttttgtcat aaattagggt 900
ggtaatgaac tggattgaac tactatatgt gcattatatt gaattctgct tgtcattaag 960
ataaggtgaa taagtgtctt aaacgtcctg taaaaccgga ctccccttg ttacatgcac 1020
attttccatt gttacctcga tgcaaaagaa ttcatttagt aggtacatct attgtagctg 1080
tgattattcc agtttctgtg tgatgcaatc aaatgtccta ttaattaatt attatttcat 1140
gtcatttgta gctactgata cagcagaaat gaagggaact gtaattactt gtatttttgt 1200
aagccatacg ttaaatgttt gttacatcat ctttctgctt ctatttttat gccaatgaag 1260
gcatttgtct tgttactaat tacatgatgt aactacttct tgatataaat aaatttttat 1320
tttaattact aaaatctttt taactactat ggagctttct agactagttt tcnagagggt 1380
gaatagaggt ggggacaccc ggggagtcaa ggacagagga gactnggagn cttccttctt 1440
ccca 1444

<210> 161
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 161
aattcggcac gagttggaat gtgagatggt ggttgagagt caggatctct tttaaaagtg 60
atcttgagca agttatttaa actttctaat tatcagtttc tttatctgta aaatggaggt 120
aatgggaata cttacctcaa attgctgaga gaattaaatg aaataattct gcaagatagt 180
tatcacagta aagcagtaaa tgctccattc agggtaccat tactattgac tgccttaaaa 240
atttaatctt ctagccaggt gcgaaaannc atgcttgtaa tctcaacact tttggaggcc 300
gaggtgagat gatcatcttg agcccgagag ttcaaggatt aaccagagta acatagcagg 360
gatcttgnct ctatttttt aaaaaagtca ccttgtaaca ctggtgaatt ggataaggag 420
caattcagat gtagcgaatt ttaataatg 449

<210> 162
<211> 573
<212> DNA
<213> Homo sapiens

<400> 162
cccaccctga aagccctgag ctttctgcta tcaaagaggt tttaaaaaaa tcccatttaa 60
aaaaaatccc ttacctcggt gccttcctct ttttatttag ttccttgagt tgattcagct 120
ctgcaagaat tgaagcagga ctaaatgtct agttgtaaca ccatgattaa ccacttcagc 180
tgacttttct gtccgagctt tgaaaattca gtggtgttag tggttaccca gttagctctc 240
aagttatcag ggtattccag agtggggata tgatttaaat cagccgtgta accatggacc 300
caaaatttac cagaccacaa aacttttcta atactctacc ctcttagaaa aaccaccacc 360
atcaccagac aggtgcgaaa ggatgaaagt gaccatgttt tgtttacggt tttccaggtt 420
taagctgtta ctgtcttcag taagccgtga ttttcattgc tgggcttgtc tgtagatttt 480
aggacccwat gctgcttgag rcaactcatc ttagggtggc aaaaaggcag grtggccggg 540
cgcgtggtca mgsctgtaat cctagcactt ggg 573

<210> 163
<211> 1037
<212> DNA
<213> Homo sapiens

<400> 163
aattcggcac gagctgtctg cgaagtggcc cttgattaca aaaagaagaa acacacctaa 60
acactttatc tccaagttac aaaagtttga ggtgcagagg gaaggccaga ttttttttt 120
aatgaaatta tatagattag atctcagtat ttaaactgtt cctcaatttt gtgaggctgt 180
gttggaaata acccgcctct agtgctgttg gtatgcaagg cagcggtgct taatcaatat 240
ttcctgtgct caccagaggc aaaatgtacc aatatcctga caccattctc tctccattta 300
cttctggtgg ttaccctgac tcttgactct tagaagtgcc cgagatgggg ctaaccttta 360
ttaaacagat cgcatattat gatcttgctg cagccacagt gcagctccac attaactcta 420
cagaccaaac catttgtatc tggcatcact tactaacaca cgacatgcgg cttttctgca 480
tcaactgcta tgacggttaa gaatgtcagt atacaagaag gaatagaaaa ctgatactgt 540
tttaaataat ctgtaatttc aatttttttt ttttttgct gaaatacatt atattgtacg 600
tttgagataa ttctagtaca aagtataata aaactagatg tataataaac cctttaaatc 660
attggtaagt gtacaagtgg tggaactgaa gcatttactg gacaaagtaa tgttactcta 720
atggttactt gctcgtgcgt tgccacactg tgttataatt tgcttcattt ccttgctatt 780

tgatacatag tgtgcatttc tctgtcactg taactattgt aatgacaaat tttcatctta 840
ctgcacaatc aaaatgacat tgataggaat gaactccaga ggctgggcct gaacagggag 900
gtggtcgctc aggcctggtg ctcagtcgta cgacctgtac ctctcaactt ttgccctatc 960
tgttaaatat atgctatgtc attaaatgct tttaaatcta aaaaaaaaaa aaaaaaaaaa 1020
aacgggggg ggcccgg 1037

<210> 164
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (881)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (908)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (913)
<223> n equals a,t,g, or c

<400> 164
ccccccccc ccttgtggac agctgtgtta ataaggccaa ttttctgaga atgtgggaaa 60
gattaaaata tttaactgtt tatctttcac agagtagcag tagctctgat taagcctata 120
ggcaattaaa agtagtttgt ctgtaaaaag agggaaagaa ataagatttc ttaccccatt 180
ttatggactt ttaaaaatta aaaaactgcg cccccgccca ggagctcttt tcttatgaca 240
tataaattat gacatttata ttctttatat gactttatgt tctcttctta tgacatttaa 300
attctttaag tagtttgttg gtccaataaa ctagacgttg tataatctaa attgagccct 360
tgtatatcta aaactgatga gttgtttcta aattgttgat tgtccattta cttgcctttg 420
gtattaagat aatgcaagta aagtttagta agtcattgga taatgaaatg attatgtttc 480
tgaagaccat attatatttt taatttttag aggaatcatg ccatccccca aaaaatcaag 540
aaatatttga attttaaatt ataagttcat ttgttaaaag acatttttac aaatgtctga 600
aaatcttaaa atactttaca tctaccttta agtagtagaa tacagagctg taaatttcca 660
tgccttttt cctgatatta agttttatag taaaaaagca actagtgatt gcacaaagaa 720
tataaaaatc caytcttttt acaaaggtgt gaatttaaat aacgttattg attggaatat 780
gaaaataaac caatcattta agagcttttt agcaaatgat ccaattctta ctccttttct 840
cccaagattg gaaaagcata atgtttttcc tcctaaagtt nggaatccta gaaaagcccc 900
ggtgagtngg acnaatgttc c 921

<210> 165
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (428)
<223> n equals a,t,g, or c

<400> 165
aattcggcct cacagagatc atcatcttta ccaccttcaa atcgtaaatc aagtactcca 60
aaaaaaactt attctgagaa agccaccgat aaccatgtta atcatagctc ttgccctgaa 120
ccggtgccaa atggagtgaa gaaagtatct gtgagaacag cctgggagaa gaataaatca 180
gttagctatg aacagtgtaa gccggtttca gtcactccac aggggaatga ttttgaatat 240
acagcaaaaa ttcggaccct agctgaaaca gaacgatttt ttgatgaact tacaaaagaa 300
aaggaccaga ttgaggcagc actaagcagg atgccttctc ctggaggacg ratcacttta 360
cagamraggt taaatcagga agccttggaa gatcgtttgg aaggattaat cgagaactgg 420
ggttcagntc gcatgacgct aaagaattcc atgttttgcg cacct 465

<210> 166
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (693)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (700)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (711)
<223> n equals a,t,g, or c

<400> 166
gtggaaactt tttccatcct gttttctctg ctatatctgt cagcccccat ytccaccwac 60
atcagagaag acagcatcgt gaagcttctg tggcagcctc ctaaggaagg ggctgccaat 120

ctgtagttgg cagatgctat aggaattgct tacaaatgtc gtctttaaga aaaatgttct 180
tatatttttc ctatgggcaa aatgaaggct tgggtgctca tctaaagctc agccaactcc 240
tgaagcactc tctcagagca tactgctgct gtaatgggct ggcttaatta tcggcagagt 300
gcttgaaaag gctttgcaga cctcccctgc ccccaagact gggtgacttt atatgtactt 360
cattcaaggg taaatcaggg agacgttctc catttatctc ttcgtccttc ctgcctggga 420
aagtgatagc actaaatatt tcccagcagg atggggtagt gtttctcaaa ggaatcaccc 480
tttccctacc ttcagactca ttctttaccc ttccattgst ccagtgctga tggaggccaa 540
agacaacccc agggttttca taggaaattc actggaattg tgcgcaattg tctttgtagt 600
ccttttgcct ttttttttt taaatattta tgttggcaat agcatttgtt ngggtatttt 660
gntttaaaag gcctcactct aagntattac cgnccccttn attggttttt naaagacatg 720
tgggggggata tagtttttaa aaaataaacg ta 752

<210> 167
<211> 1631
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1630)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1631)
<223> n equals a,t,g, or c

<400> 167
tccagagatg tttcctgtcc tccccggttc ccacttgctg ytcaataacc ctgccctgga 60
gttcatcaaa tacgtgtgca aggtgctgtm cctggacacc aacatcacaa accaggtgaa 120
taagctgaac cgagacctgc ttcgcctggt ggatgtcggc gagttctccg aggaggccca 180
gttccgagac ccctgccgct cctacgtgct tcctgaggtc atctgccgca gctgtaactt 240
ctgccgcgac ctggnacctg tgtaaagact cttccttctc agaggatggg gcggtcctgc 300
ctcagtggct ctgctccaac tgtcaggcgc cctacgactc ctctgccatc gagatgacgc 360
tggtggaagt tctacagaag aagctgatgg ccttcaccct gcaggacctg gtctgcctga 420
agtgccgcgg ggtgaaggag accagcatgc ctgtgtactg cagctgcgcg ggagacttcg 480
ccctsaccat ccacacccag gtcttcatgg aacagatcgg aatattccgg aacattgccc 540
agcactacgg catgtcgtac ctcctggaga ccctggagtg gctgctgcag aagaacccac 600
agctgggcca ttagccagcc ccgggccccg ggtgcctctg cgtccgtgcc aggcctcctg 660
atgccaaggc cacatccccg tgcttccagt gaccagacca ctgaccaccc tgactgtcca 720
aacctgtgac cccaggccag ggaacgggga ggaaaccaaa gaaaaccatt ttcagggagc 780

tcagacgtca caggagggag cgggagcagg atgtggccct ggcctcgcca gagcacctga 840
agaagcaggc cgtgagcgag gctgcgagtg ccctgggcgc cgtttctcac gcatgaatgc 900
ttttccaggc ctctgttgct tcctgcacca cacctggtgg ggtgggagcg tcctctagtg 960
cccctagttc tttgtcctgc ctcccagagg gaggaaaaag cccctggggg cttctggctc 1020
cctgagattg ggctctgaga cgagacgggt tcccaaggcc ctggtggggc tggagtctca 1080
cctgtttgca tggagaaatg ggctggcccc acagcctcac aggagcagtt tgtgggctgg 1140
tttccccrgg aatccagacc ctaacccgtg agaatctgga ttttggcttg tgagccctgc 1200
ttatttggag ccgggtctag agggaaccct ctatcagcct caggaaaaca agacctctgt 1260
gcacctcact tttggctcac tgcagccctt gtccttcacc tccacacagg accagctgga 1320
agcagaaaga agaaaggcca atttcacagg gcaccaaaca agtatgaaat gtaaatcaga 1380
aatgcagaca ccccagacga gagcctcaca ggagggaggg ggcccccacag gctccccagg 1440
aggctcgtgt ctttggccca gagccagcct tagtttgtcc ctgccatcta ctgtctgagg 1500
ccatcgctgc tacactttgt ttttatttgt atttcatact gaagtttcaa maaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan 1620
aaaaaaaaan n 1631

<210> 168
<211> 740
<212> DNA
<213> Homo sapiens

<400> 168
tttttgaatc ggttgtggcg gccgcggcga ggaatggcgg tatttgtgag aggagtcggc 60
gtttgaagag gtggaactcc tagggctttt ttgagagtgc tgatttagaa gaatacaaat 120
catggctgaa aatagtgtat taacatccac tactgggagg actagcttgg cagactcttc 180
cattttgat tctaaagtta ctgagatttc caaggaaaac ttacttattg gatctacttc 240
atatgtagaa gaagagatgc ctcagattga aacaagagtg atattggttc aagaagctgg 300
aaaacaagaa gaacttataa aagcctaaa ggacattaaa gtgggctttg taaagatgga 360
gtcagtggaa gaatttgaag gtttggattc tccggaattt gaaatgtatt tgtagtcacg 420
gactttcagg attctgtctt taatgacctc tacaaggctg attgtagagt tattggacca 480
ccagttgtat taaattgttc acaaaaagga gagcctttgc cattttcatg tcgccgttg 540
tattgtacaa gtatgatgaa tctagtacta tgctttactg gatttaggaa aaaagaagaa 600
ctagtcaggt tggtgacatt ggtccatcac awgggtggag ttattcgaaa agactttaat 660
tcaaaagkta cmcatttggt ggcaattgta cacaaggaga aaattcaggg ttgctgtgag 720
tctaggtact ccattatgag 740

<210> 169
<211> 2038
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1979)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1992)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2010)
<223> n equals a,t,g, or c

<400> 169
tcgacccacg acgtccggcg gcgggaagct ggcggcagcg gtcggtggcg gtggctgagc 60
agaggacccg gcgggcggcc tcgcgggtca ggacacaatg tttgcacgag gactgaagag 120
gaaatgtgtt ggccacgagg aagacgtgga gggagccctg gccggcttga agacagtgtc 180
ctcatacagc ctgcagcggc agtcgctcct ggacatgtct ctggtgaagt tgcagctttg 240
ccacatgctt gtggagccca atctgtgccg ctcagtcctc attgccaaca cggtccggca 300
gatccaagag gagatgacgc aggatgggac gtggcgcaca gtggcacccc aggctgcaga 360
gcgggcgccg ytcgaccgct tggtctccac ggagatcctg tgccgtgcag cgtgggggca 420
agaggggca catcctgctc ctggcttggg ggacggccac acacagggtc cagtttctga 480
cctttgccca gtcacctcag cacaggcacc aaggcacctg cagagcagcg cctgggagat 540
ggatggccct cgagaaaaca gaggaagctt tcacaagtca cttgatcaga tatttgaaac 600
gctggagact aaaaacccca gctgcatgga agagctgttc tcagacgtgg acagccccta 660
ctacgacctg gacacagtac tgacaggcat gatgggggt gccaggccgg gcccctgcga 720
agggctcgag ggcttggctc cggccacccc rggccctagc tccagctgca agtccgacct 780
gggcgagctg gaccacgtgg tggagatcct ggtggagacc tgagcaggag ccctgagtgc 840
tcacagccgc ctctgacgca ttgacacgtg agcactggct cccacggagg gtgcgcctgc 900
cgccagcggc ccagccttgc tgccctgtct gctgattctg agaaatccca gaacagccca 960
ttaccagtgg ggctgcagcc taggcccgtc ccactcacct ccccctgtg gagggccagg 1020
cagaggctgt tctggaaggc ttcttgtctt ctgacgtccc cacagccctg ggcccctcgt 1080
gtctctttgt gtcccccact gtagaggacg gtgagccgca gctgcatcaa cctccttta 1140
cctttagata ggtgaatttt tacaattcag ttttacatgt tttgggcagt attttgtctt 1200
aagatatatt ttttaaactt tttatacctt atctctttag attttttcag ctatttttctt 1260
aaaagtatat ttttttctata aacatccttt gctgctacat tagaactttt atagcctaaa 1320
caattgcagt tggtgtgttt catttttta aggtttaaat aagggttttt tgttttgttt 1380
tgttttttgc agtgagcatc actacagtct cagtcaacag tgtgaatgta tcatgtttta 1440
ctttaaatgt gtgtgtgata cttcttcatt atgtcctgcg ctgcagtgan gacctgggtg 1500
aaaatcangg aaccgcacac agccacatct tcctagacct aagagtaaat tatggaggat 1560
tttatttatg tctatttata tgtaaatgtc attgaagaca aaggtcaaat atttgtctgt 1620
ttgtagatca caggcaccag ttggtcttca gggacctcat agcccctcgg tggtgccttc 1680
tcaaggcagt gttcctggag gctcccrtca gggtcagccc atgcacctgc cctgrrtgag 1740
gaagtagcat tgctgctgga tgagaaacgc ctgcgctgct ctgttagact ggtgctgaaa 1800
caaaaggtta aggctaggtt gaagtctaga atgaaagaaa tctgaatcca tgtcattcat 1860
aacccccttga tctgtagtgt catgggtgct gccgcagagg aagttgagct gggggtgcct 1920
gccagccttt ccactcctgc cccgcttcaa cccaaatgct ccctgtttcc caagctttnc 1980
ccaaatttcc tnaaccttta accaaaaagn ggggtttcct ttggggcaaa aaggccat 2038

<210> 170
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 170
ggcacgaggt taatctaagg tgaagcaaac agaaaattgt ggaggttttg ttggtgtgca 60
actgaggaac atggctcaag aaactaatca cagccaagtg cctatgcttt gttccactgg 120
ctgtggattt tatggaaacc ctcgtacaaa tggcatgtgt tcagtatgct ataaagaaca 180
tcttcaaaga cagaatagta gtaatggtag aataagccca cctgcaacct ctgtcagtag 240
tctgtctgaa tctttaccag ttcaatgcac agatggcagt gtgccagaag cccagtcagc 300
attagrctct acatcttcat ctatgcagcc cagccctgtw tcaaatcagt cacttttatc 360
agaatcctgta gcatcttctc aattggacag tacatctgtg gacaaagcag tacctgaaac 420
agaagatgtg caggcttcag tatcagacac agcacagcag ccatctgaag ngcaaagcaa 480
gtctcttnaa aaaccgaaac aaaaaaaaga atcgcttgtt tt 522

<210> 171
<211> 1666
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1659)
<223> n equals a,t,g, or c

<400> 171
gagtccatct tccaccgcgg ccacgagcgc cttccgcatt gccagcgcct gcctggacga 60
gctgagctgc gagttmctgc tggctggggc cggaggggcc ggggcggggg ccgngcccgg 120
gaccgcatct ccccccacgg ggtcggtgcc tggggatcct gtccgcatcc actgcaacat 180
cacggagtca taccctgctg tgcccccat ctggtcggtg gagtctgatg accctaactt 240
ggctgctgtc ttggagaggc tggtggacat aaagaaaggg aatactctgc tattgcagca 300
tctgaagagg atcatctccg acctgtgtaa actctataac ctccctcagc atccagatgt 360
ggagatgctg gatcaaccct tgccagcaga gcagtgcaca caggaagacg tgtcttcaga 420
agatgaagat gaggagatgc ctgaggacac agaagactta gatcactatg aaatgaaaga 480
ggaagagcca gctgagggca agaaatctga agatgatggc attggaaaag aaaacttggc 540

catcctagag aaaattaaaa agaaccagag gcaagattac ttaaatggtg cagtgtctgg 600
ctcggtgcag gccactgacc ggctgatgaa ggagctcagg gatatatacc gatcacagag 660
tttcaaaggc ggaaactatg cagtcgaact cgtgaatgac agtctgtatg attggaatgt 720
caaactcctc aaagttgacc aggacagcgc tttgcacaac gatctccaga tcctcaaaga 780
gaaagaagga gccgacttca ttctacttaa cttttccttt aaagataact ttccctttga 840
cccaccattt gtcagggttg tgtctccagt cctctctgga gggtatgttc tgggcggagg 900
ggccatctgc atggaacttc tcaccaaaca gggctggagc agtgcctact ccatagagtc 960
agtgatcatg cagatcagtg ccacactggt gaaggggaaa gcacgagtgc agtttggagc 1020
caacaaatct caatacagtc tgacaagagc acagcagtcc tacaagtcct tggtgcagat 1080
ccacgaaaaa aacggctggt acacaccccc aaaagaagac ggctaaccct ggagtatcac 1140
ccttcctccc tccccaggca ccactggacc aattaccttt gaatgctgta tttggatctc 1200
acgctgcctc tgtggttccc tccctcattt ttcctggacg tgatagctct gcctattgca 1260
ggacaatgat ggctattcta aacgctaagg aaaaaaaaca aacacagaac tgtttcaagt 1320
actcaagact gacttacaga ccaaccaacc accttgctgg aaccttgct agcaggcatt 1380
cttataaaag aaactttcga gcctccttat attgctggaa actcagctgt gctccagact 1440
agagcctcct tacctatgct atggattttt aatttatttt ctcttatttc atgtacactg 1500
ctttttttgg ttacagtgta tgatggatgt gtatgaaaaa aatgtatctt tgggaaaaca 1560
attacagttt gttaatttga aaaaaaactc gtgccgaatt caagcagccc gggggatcca 1620
ctagttctag agcggccgcc accgcggtgg agggccagnt tttgta 1666

<210> 172
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<400> 172
gcggaggagg tgtatgccca gctgcaaaaa atgcttctgg agcaacaaga gaagtgcctg 60
ctgttctcca agcagttcat gcaccagggc aacgtggctg agaccacccg atttgagaag 120
cttgctcagg accgcaagaa acagctggag atcctgcagc tggcccaggc tcagggcctc 180
maccctccca cccaccactt tgagttgaag acattccasa ctgtgaggat cttctcacaa 240
ctcaacagca cagaaatgca tctgatcatt gtccggggaa tgaacctccc agcccctcca 300
ggggtgactc ccgatgacct ggatgctttt gtgcggtttg agtttcacta ccctgactcg 360
gaccaagctc aaaaaagcaa aacagctgtg gtgaacaaca caaactctcc cantttgatc 420
actcttcaac taaactcn 438

<210> 173
<211> 2511
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2511)
<223> n equals a,t,g, or c

<400> 173
gtaccattcc cngaccgctt ggcctgtncg attaatccgc cccnatagga attggccccgg 60
gccagattcg gccgagcaag cggaacctct gggaaaagca atctgtggat aaggtcactt 120
cccccactaa ggtttgagac agttccagaa agaacccaag ctcaagacgc aggacgagct 180
cagttgtaga gggctaattc gctctgtttt gtatttatgt tgatttacta aattgggttc 240
attatctttt atttttcaat atcccagtaa acccatgtat attatcacta tatttaataa 300
tcacagtcta gagatgttca tggtaaaagt actgcctttg cacaggagcc tgtttctaaa 360
gaaacccatg ctgtgaaata gagacttttc tactgatcat cataactctg tatctgagca 420
gtgataccaa ccacatctga agtcaacaga agatccaagt ttaaaattgc ctgcggaatg 480
tgtgcagtat ctagaaaaat gaaccgtagt ttttgttttt ttaaatacag aagtcatgtt 540
gtttctgcac tttataataa agcatggaag aaattatctt agtaggcaat tgtaacactt 600
tttgaaagta acccatttca gatttgaaat actgcaataa tggttgtctt taaaaaaaaa 660
aaagaaatgt actgttaagg tattactttt tttcatgctg atgattcata tctaaattac 720
attattatgt tagctgacag tggtactgat tttttaggtt ggttgttttg tggatttctt 780
tagtagtgat agtagcctga accacatttt agataactca attatgtatg tatgtgcata 840
cacatataca aacacactaa tggtagaatg ctttttttatg tgctagacta ttatatttag 900
tagtatgtca ttgtaactag ccaatatcac agcttttgaa aaattaaaaa atcacactat 960
attaatattt catatttgcc aacagaaaca tggcagatag gtatcaatat gttttcaatg 1020
cctgatgacc tataagaaga aagtattgaa aagaagagag attagaactg ttagaaggag 1080
ttgaaatttt ctaaaagaca tagtatttag tttataatta aatgcattct tgaagtccag 1140
tgtgaatttt attaatgcta tcatctcgac caagctcaaa gcctacttat tagaaacaat 1200
gaagttcaca ataggtcata aggtctcttc cttttctaaa attgaaagac aagaaattta 1260

gtgccaatat tgtacagaca gaaattccat gtatgagtct caacaaagac tacctttggc 1320
taaatgtcta gaagcagaga agtaaagtga gcaaaatcca gtgttgagga gtcatgacag 1380
tactttgatc tttatatact ctgaagcatt tcttcaaact tttctacttt tatttgtcat 1440
tgatacctgt agtaagttga caatgtggtg aaatttcaaa attatatgta acttctacta 1500
gttttacttt ctcccccaag tctttttaa ctcatgattt ttacacacac aatccagaac 1560
ttattatata gcctctaagt ctttattctt cacagtagat aatgaaagag tcctccagtg 1620
tcttggcaaa atgttctagt atagctggat acatacagtg gagttctata aactcatacc 1680
tcagtggact taaccaaaat tgtgttagtc tcaattccta ccacactgag ggagcctccc 1740
aaataactat tttcttatct gcagtattcc tccagaagag ctaaccaggg cagggctggc 1800
atgagaagtg acatctgcgt tacaaagtct atcttcctca taagtctgta aagagcaatt 1860
gaatcttcta gctttagcaa acctaagcca aaggaaggaa agccacgaag aatgcagaag 1920
tcaaaccctc atgacaaagt aggcacaagt ctacaataag ctaaatcaga atttacaaat 1980
acaagtgtcc caggtagcat tgactcccgt cattggagtg aaatggatca aagtttgaat 2040
taaggcctat ggtaaggtaa cattgctttg ttgtactttt gaacaagagc tcctcctgat 2100
cactattaca tatttttcta gaaaatctaa agttcagaag agaatgtatc actgctgact 2160
tttattccaa tatttggatg gagtaagttt tagggtagaa ttttgttcag tttggattta 2220
atcttttgaa aagtaaattc cttgtttact ggtttgacta taattctctg ttatctttac 2280
gaggtaaaac tgcaagctga ctagcatgtt ctgtgaatct gccattccta aaaatttttat 2340
aaacacttga tacttttcac tgataatgga tcgctccaat aaacatatat tgtgaaaatg 2400
catccacaat aaatggaatt ccttcctgca aaaaaaaaaa aaaaaagggc ggccgntcta 2460
gaggatccag gcttacgtac gcgtgccngc gacgtccata gccccttcta n 2511

<210> 174
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<400> 174
tccntcccag tggtacttnt actaaattgt tgtcttgttt ttatttttta aataaactga 60
caaatgacaa aatggtgagc ttatgatgtt tacataaaag ttctataagc tgtgtataca 120
gtttttttatg taaaatatta aaagactatg atgatgacat ttaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanggg 230

<210> 175
<211> 1191
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 175
ggcagagcgg cacgagatgt gagccaccat gcctgggtgt ctcnttcatt ctttaggcag 60
ttcattgtca cttccttcca ttggtaaaca tgtaaattat agtcgcatga tttagaattt 120
tactgaccaa agtcataata atagttaaca gtacaaggaa ctatttttkgt ataatggttt 180
atttaataca gtatacatta tctttcatat actttgttac aatgttaaaa aaacttcatt 240
tttcataata taggaaataa agttggaaac aactctggtg ggaatacttc agatagagca 300
agaaagcatt cacagcaagg cctataatca gtaagatgtg tgaaaagttg ggtagccaca 360
ggaggtgttc attaaggata tgattccatt tatatagcta tttctattgc ataaccagga 420
cagttttatt gttttgaggt caatgttctt ttaaaatttg attttctgta agaagaggct 480
ttttggccca gaaagcctta cttattttac awcttccagt ttgtccatcc catgagttag 540
agttcgtctt gactctgcaa gctagaatca aagaattatg aaagtaagat catttagatt 600
tgaccaaggg caccattaaa tggtgtcagg ttttaggaag cagacgggtg tataaaaaga 660
aaatgaacaa agatttcact tattggggat caggcataac tggatgcctg gattgtcctg 720
ccacccagct gccaccaata aaatcattca tcactctgca agagggacca gatgcttcca 780
tcatcagtac tccttgtttt tctgttatct cctttgaggt agctaaaaat ggcagccaaa 840
aaaaaatgtt gaggcttttc tcaagtatat actcatgtta ttttgcagaa gatagggtca 900
ayttcttcag ttgagttatc tgaaagtgtt gggcagtgac accatgccaa acactgttaa 960
attcatgcca ttaaaaacag tggagtgttc tgcaaagccc gattctctgc agctttaaga 1020
ctggacagta ttgaaatatt cacaggaatc ttccaagccg tgaaagctta atattaaaca 1080
gccctttaa ttgcaaagga gaaaaaaatg gagacacttg tgaaaccttg cattctgagt 1140
gctgccacaa ataaattaag gaattccaga atttcttcat ctacttctgc a 1191

<210> 176
<211> 1499
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1495)
<223> n equals a,t,g, or c

<400> 176
gccttctccc gcctccctcg gccttagcca tggcgagtag cggcggtgct ggggcggcgg 60

cggcggccgc ggcggcgaat ctgaatgcgg tgcgggagac catggamggc tgctgaaaat 120
atgacaagct gactttctgg agaaattctg atgagatatg tcaagctctg caagrgggtt 180
tgaagattgc attgtagttg agaatgtaca wtgaaattwc tgcatgcagc agtgtagaaa 240
aattttmctt tttaaaagaa ttataaaacc atagctttat aaatcagtgg aaagtggctt 300
acagagagaa ctatcagatg tgtttacatc acatcttatt cacttttttt aacagctcta 360
atgctttggc attgctatgk tcatatttat gtattcctta tttatagctc tgatagcttt 420
aattttctaa gcagtctgtc tatcagatgt gcacatctgc tgtgccaggt tgaagtatag 480
tggaacccat cagtagtaat gtgtagtagt tatgacttgt tgacatttcc attataaact 540
ttaattttga attgtttatg cattataact gtggatttat attgtattgg gctgaagttg 600
acaggatttc agccaccact tgtgaatttt tatttagatt cattatgtat atcagaatct 660
tgtttttga aataagagca tggaaaacat ttcttgtaat ctactcttga acaaagaata 720
tttagttttt caaacagttt gttgggcagc taatagtgtg aaccaggtca tttttgtatt 780
gagtaaaaaa atcaaacttt gagaaacttg gattttaaaa gtaatgacaa tgcttaggtt 840
agtattattt gtaatttgaa tcatttacat ctaatgagaa tgttagttga gaatgttttc 900
ttaaagtttt atatcctata aataacggaa taaaaaaatt tgtaaaatga aacaacaaac 960
atgcaaaatt cctatttact tttattacat aaaagtaatt ttagtgctta cctaataaat 1020
cttgaatggt tatttaataa attattagat gggtgatgtg tttcaaaaga tacttgctat 1080
tttttgaaga aataagggat ttccagtcat taaacaaaac taaacaatct tattagaggg 1140
tgatgtgttt caaaggatac ttgctatttt ttgaagaaat aaggattcca gtcattaaac 1200
aaaactaaac aatcaaatgt tctatattag gaatctcaag tatggctttt tttaaaaaac 1260
ctttttaaca tcttgatgtc aaggattata agtatggctt ttcagaattg ttttgtttgt 1320
cattattctt gcctttaaaa ttttaactca tcaaagtgaa gattagaaat aaattttagg 1380
aaaatgtagg aatagtattg attctgtccc tgtaatagga atctcagtgg ggtttttttg 1440
caaaactaat atgggtttcc anctgatttt aagtanttcc ttgaaatttt tgggnttta 1499

<210> 177
<211> 1538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (727)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1487)
<223> n equals a,t,g, or c

<400> 177

tgtaccggga cctgcagccc gtgggctcgg gcgcctacgg cgcggtgtgn tcgtccgtgg 60
acggcgcacc gscgctaagg tggccatcaa gaakctgtat cgkcccttcc agtccgagct 120
gttcgccaag cgcgcctacc gcgagctgcg cctgctcaag cacatgcgcc acgagaacgt 180
gatcggkctg ctggacgtat tcactcctga tgagaccctg gatgacttca cggacttttа 240
cctggtgatg ccgttcatgg gcaccgacct gggcaagctc atgaaacatg rgaagctagg 300
cgaggaccgg atccagttcc tcgtgtacca gatgstgaag gggytgaggt atatccacgc 360
tgccggcatc atccacagag acctgaagcc cggyaacctg gctgtgaacg aagactgtga 420
gctgaagatc ctggacttcg gcctggccag gcaggcagac agtgagatga ctgggtacgt 480
ggtgacccgg tggtaccggg ctcccgaggt catcttgaat tggatgcgct acacgcagac 540
ggtggacatc tggtccgtgg gctgcatcat ggcggagatg atcacaggca agacgctgtt 600
caagggcagc gaccacctgg accagctgaa ggagatcatg aaggtgacgg ggacgcctcc 660
ggctgagttt gtgcagcggc tgcagagcga tgaggccaag aactacatga agggcctccc 720
cgaattngka gaagaaggat tttgcctcta tcctgaccaa tgcaagccct ctggctgtga 780
acctcctgga gaagatgctg gtgctggacg cggagcagcg ggtgacggca ggcgaggcgc 840
tggcccatcc ctacttcgag tccctgcacg acacggaaga tgagccccag gtccagaagt 900
atgatgactc ctttgacgac gttgaccgca cactggatga atggaagcgt gttacttaca 960
aagaggtgct cagcttcaag cctccccggc agctgggggc cagggtctcc aaggagacgc 1020
ctctgtgaag atctctgggc tccggggtgg cagtgaggac caccttcacc ttccacctga 1080
gaggggactc tcgttgccac cttgaccttg gctggggctt gcatcccaag gcatccatca 1140
gagcagacgc ccgggttcca tggaccctcc tccccacggc catgcctctg ctcttgggcg 1200
cccatcatgg aggagcanct gaactttctg gacaagacct ctggccgacc tggggatggc 1260
ctctgatycc tggagcagtg gcccacttgc ccggtgctct cagaaacctc agagctggtg 1320
gggctccaga tcagccttgg cctctgagcc ctgcctgctc tgggccatgc agaggaagga 1380
cagagggtgg gcgcagggca ccaactcagg gacatcccct ctcctgggcg acgtcagtgg 1440
accttcctgc acccccagcc tggaatgtaa atcagctgtg tggtgcncgc gtggctggaa 1500
ggaaatagac ccttttgtag ctccctgaaa aaaaaaaa 1538

<210> 178
<211> 896
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (825)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (828)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (831)
<223> n equals a,t,g, or c

<400> 178
ggacgcgtgg gctgcacctc accttgtcca cgtaccagcg caatacctgg ggtgacttct 60
tagaggccat actgcctctg gcagtgcagg ctgcaatgga agaaaatgtg gagtttcgga 120
ggggtctgcc ccgagacttc atggattaca tgggggccca gcattcagat tctaaggatc 180
cgggaaaaaa ccgntttcat ggagaaggtg cgggtcttgg ttgcccgcct gggacacttt 240
gctcctgttg atgctgtggc cgaccagcga gccaaagact tcattcacga ttctctgccc 300
cctgttttga ctgataggga gagggcacta agtgtttacg ggcttycaat tcgctgggag 360
gctggagaac ctgtaaacgt gggggcccag ttgacaacag aaacagaagt ccatatgctt 420
caggatggga tagctcggct ggtgggtgag gggggccatt tgtttctcta ttacacagtg 480
gaaaactccc gtgtgtatca tctggaagaa cccaagtgct tggaaatata cccccagcaa 540
gctgatgcca tggaactgtt gcttggttct tatccagagt ttgtgagagt gggggacctg 600
ccctgtgaca gtgtggagga ccagctgtcc ttggcaacca cgttgtatga taaggggctg 660
ctgctcacta agatgcctct agccctaaat tagtttcttg ttgattgctg gaaacaaggc 720
agtagtgatt ctccgctgcc actgctaact ttttttttt ttttttttc cttaaactca 780
agttcttacc ttgataagca tcagtgtgct cacatttacc tttancantg ntcagtgtca 840
caaacctcgg aaggtctcta ggaagaacca tctcatctag gtacaaaagg gaaagg 896

<210> 179
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<400> 179
ttatcttaga tttctagtta tttatatatt aacttttgt ttattcagaa tcattttcct 60
gtttgtngga atatttctaa gagccttggg aaaatctcga gtaaaatttt aaatgaaatt 120
tgtatagtgt tctgcctctt tccaaaggta tttctcaaaa ttgggaattg ttttattatt 180
gaagttgaat gacttcaggg gaactctaaa atgcaagatg ggaagcttct gtttggtttt 240
ttcctttccc tttggtaagg tcttttgctt cccatcccct tgacccacct ttgtgctgtc 300
tgttgtccag tctgctctcc kgatccctaa rgakgtttct tatctaggct gccatttatg 360
tgggtaaaag acaaggtaga aaatactctt ctgtatcttg tatcaagggt taatctaatg 420
tcttcatcac tttgttttga ratattttgg aatgttatcm acaattatna tagatggagc 480
atgtatgtct taggtttggt gttaatgttt aacatgcatt atcttattca atcctcacag 540
cagtcataaa atgtaggtgt tttagagg 568

<210> 180
<211> 428
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<400> 180
aaacacctat ggaaataatt ttgttttttt ttttttaaaa aggaatgaga tcatgtcctt 60
tgcagggaca tggatgaagc tggaaccatt atcctcagca aactaacaga ggagcaggaa 120
accaaacacc acatgttctc acttgtaagc ggaactgaac aatgagaaca cacggacaca 180
gggatgagat caacacacac tggggcctga tgcaggggcc gtagcgggga gagcatcagg 240
ataactagct aatgcatgtg gggcttaata cctaggtgat aggttgatag gtgcagcaaa 300
ccaccatggg acacgtttac ctatgtaaca aaccgcacat cctgcacttg tatccagaac 360
ttwaaatatt ttaaaaayct ttagagawtm caaaaaaaaa ggttnttcaa tgnttcccca 420
ttaaattg 428

<210> 181
<211> 2901
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<400> 181
agagaaagcn ttccattgaa aggtagatac tttgaggagt aaaaagactt ctttgaatgc 60
tggtaaacac cgcatttatt ttgtgtatgc agtttgattt gcacatgtat aaatggagat 120
gcttttcatt tttgtttgga ctgggtttgt gtcactgctc attacagttt gctttttttgt 180
gtgtttgctg tgcgtttgga gatattagtc agtttcttta gtgatatttg tttccttgat 240
gtgccttttc gtttttcttt ggggtttttg gaatctggat gctgttgaag ggcaatagca 300
gactcctcca gctaagagac aggacatgtt cttgagccac tgtagctgtt gaagctggac 360
accagacgct ccctataacc cccccgccag gccatagcgt gwatgcawgt gcacttccac 420
ccacagagga gggtgtgaag ccttgagaac ctcaagaaag ggctggattc tgccatacct 480
ttgggtctac cttgggactg ctggttgcca acgtgtcaac cagcctgtgt tccctgccac 540
ccacgcactt gctgaggtgt ggctgargca gaatcatgtg aatgggtgca tccaaggagt 600
tcagggccct gcttggagaa gaaatamttt agcatcatga aagggaaaga acgtgcaccc 660
ctttttttgtt tctttagtga atgcaagatt taataaaagt gaataatgag cttccccttt 720
gggagtggag cccagtgcag ctcactgaca gggttgacat cagtatgatg tgttggactg 780
aaactgtatg tctgtaggta ggtgtgtgcc ttttagggca gaccacggtg gccaccccat 840
ttctccaagg tggtttacct agcttgtgta tattagacat tgccaccctc acctctggcc 900
aaaaattctt gatttaaaaa gaaaagtcta ttttgttaac gacaggctct gttgtatgtg 960
ttactatccc aagcctggat tattttattt atttaaaagt attttaattt ccatattggc 1020
tttattctaa tcccatccat ccctgtggag ctgcagagca tcttcatgtg agtagacgga 1080
tggacataaa tagattcatg ctcatttagg aagctgggag tttcgtgaag ctgagggtga 1140
gttcctgtga ttcttgttcg cttcaacaaa aagtgggaga ccaagttttt atagcaaaag 1200
accaaattag ctgtagagtc ttgaatgcag aaaaaaatta ccctagcttt cttagcactt 1260

agggttttgt gaggattcag tgtttagcac agtgcttggc catagtaagc cctagtaaat 1320
gttaaatatt gttattagtg tttcgtaaaa cttgagaaat agagctgagc tcattccctt 1380
cctgttgatt caaaaataat acctacatga aaacatgatt ccaagttgat tgaatgttgt 1440
aggaattact ggtttagagt agcccagttc tcggcctacc ctgctggttg ggatcttact 1500
gtattcttga atgcactggt ttgaaaatat gccagacttc agcccccaag gaaacaaggc 1560
tgcaagaatt tatgaactcc agctggaaaa ggtaaaggtg acctttggct agccacatac 1620
tggaccttac cccactgacg tctttcagaa cattccaagg gttttcctca aggaacattt 1680
ttgagctaga aattaaaatg ggttctctgg cagactgcac cccttgagtc aaagttaaca 1740
gtattccttt gaatgcaata atagaggctt ttctgcgtta agggagaagg aatgaccaat 1800
tgaacttaca cattccccag gcaggtccct ttgccggccc ctacaggctg gggtggcccc 1860
tcctgtcctc agggatcaga ctcccagact ggttagttct gcatgtttcc atcaaattaa 1920
aggttattcc ctggccgcct cctggagaaa accaacccca ccctgccagc tgggggcaat 1980
ggggcaggga ttttggcctc tcagaacagc tcctagaggc tgctcatgac tgaatgtttt 2040
cccaaatcac ctaaatatcg gtttgctttt tgttttgggg gagaggattt agcctcttac 2100
ttccctgatg gattcaaagt tttatctatc tccttatctc ctgccctgtc ttggcacaac 2160
tctggataga ttgcaggtgt ggaatttgct ggagtttggt gacttcgtca aattcctttg 2220
gattctgttc cgccaaatca gcagtctcgt cctgtggatg cagtgactgg aatttcccat 2280
ctgcaaagca tctctgtagc ccagattttg tggagcctta agacactccc tcaatgccac 2340
cctgacccca cggctggaga accctgtgct tatgtggtgg gcagggccac tgttgatgga 2400
ggatggcggg gacggggtgg tgctcaaagg atctgtggtg ctggaggtct acacgcctct 2460
caggacagcg tgtcaggaac ctcagagcag cttcacatct gccaaagctg agagggagcg 2520
aacttgggaa gcattttgct cattgtccta cccaagtatt aatagcataa tagttgatgc 2580
caaaggagat ggtgacgtcc cttccactgt agttgctgtc acaaccttga cgtctttaag 2640
ctaatggccg tttgcatctg tgtcttcaaa cagatcctgg ttacagccat tttgtgtgat 2700
tcacttcggg ggttaagtaa tgcaggattc tgcaaacaag gtgtcgccgt ccaaatgtac 2760
tgtcctggca tagagagcac tgctttgttt tccactgttg tagagaaaac tagggagaac 2820
tttatttttc aataaacttt tcttgtgtga aaaaaaaaaa aaaaaaactc gaggggggtgc 2880
ccgtacccaa ttcgccctat c 2901

<210> 182
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<400> 182
taatttaggt gacactatag aaggtacgcc tgcaggtacc ggtccggaat tcccgggtcg 60
acccacgcgt ccgataaaac atgattttgt tttctaccct tcaaggtaaa cattaaaaat 120
aargtggtac ttgtgtwctt gtwcataaaa ccaaaattat akttgggaaa aaaataaatt 180
tatatatgaa aatgtcaaaa tcattttaaa agtattattt tcaaataaaa tggagaagct 240
ggtgaaaarw maaaaaaaaa aaaaaaaaaa aagggngccc cttttngggg 290

<210> 183
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 183
gttcaggaaa cccncaaggg gggggggagtc caaacgggat gcnaggggaa gcttnccttt 60
tcccagcnaa tttgtgttcn ggtttgaaaa gacccaccac aaagctttty ctatttttctg 120
atttaaaagt cgcttttgaa tatgaccatg agaaaccaag aaatgctgct tgtgtggtgc 180
tctgcttcct gaggatttgg ctggaagggg attctccgct ggcacatggg agaaggccat 240
cttctgtgtc ggtgctgtga tctgccttgt tctcacttgc tgaggataag ggcatacacg 300
ctgctcctcg ctttcttgtt gcccgacttc gtactaagca gctcaggagc agtcactcag 360
acccaaatgt cttgactgtg ttgtttttaa tcactgtgac ccttaaagta caggccaagt 420
gttgtcaaac accttggcta aaacagtgga gggtgatggg taaagcagta gagggccctc 480
aacccacaca ctggctgaaa ctgccaccaa ctgccacgat gaacccaact gctgtttatg 540
cccccatttt ccttttttttg tatctacacc cacacgattc ccaatgttgg atatttctac 600
atgaataaag caaggatcag tgcctcttat gtaaaaaaaa a 641

<210> 184
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (514)

<223> n equals a,t,g, or c

<400> 184
caccacgtgg ctgtgaaaat gacaaagcat ggtcgtgagc cactatgccc ggccggattt 60
gcccttatta atggttattt cttgtgaaag tttctttttg cctttgcatt ccttttattc 120
tgtttattcc cccatgcctc acccaaagag ttgcacggtc aattggcccg tgaaggggac 180
gcctactttc aaacaaggca gacaggacac gacaggacgg cggctcatag cacagacttt 240
ggattgcagt ggatgggacc agatcctggc tccacttcts gcyagctgtg tggccctggg 300
caagctgctt aacctctctg ggcctcagtt tctccccctg taaactgggg gatgtgaaca 360
gcgcctgcct ccgagtccta aggattggga gtagtcgtgt aaagtgctca ggtccacagg 420
ccatcaatac taatagttaa aaattattct tagaatcttg ctccctcag ctccctgaaa 480
ggccactaag gcaccccagt tgcagaggcc aatnggtccg gg 522

<210> 185
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<400> 185
agtataacca tttaggtgcc agatttgata atcaccagck gctcatksar gtcctatgtt 60
gcaaagttac tcttacsctt tttttacatt rcttgataaa ggcaatsttt aattayrtat 120
ttyctrttaa ctagctggta gagttcatac ctaaagtcag taaataatgt taagaatttt 180
ttccagctga gcaaatngta tgtatctagt tgtaagaaat caagaagagg atataaaata 240
taatcaggat gtggactcta aaacggaata acctctatgt cctgtaactt ttntcactyg 300
taataataca gcattctcac cctrttaaat ggaaatttar agcaccytta aattccggaa 360
taaaattgct atttggatwg aaaaancсct taggcaacat ttattgaata ttaggaaata 420
acttttatgg gattagaatc catttttat agaaaccaaa tttaaaagta tacatatttt 480
aatataagtg ttgtgataat acagtaacca aaattgaaca cacagtttta wagcttttta 540
tatttagtag cagttgaata tatatggcat gttttacata gattaatttt actatttttc 600
tttrtttaaa maagagracc aaattgaaag ccracagata ctgcaratga ctgggatttt 660
tgtttctgyc ttatcttttt gtgttttttt tctgaataaa atattcagag gaaatgcttt 720
tacagaaaaa aaaaa 735

<210> 186
<211> 785
<212> DNA

<213> Homo sapiens

<400> 186
aattcggcac gagagcaagc ggaaccaggt atcgtacgtg cggccagccg agccggcgtt 60
tctggcccgc ttcaaggaac gggtcggcta cagggaggga cccaccgtag agactaagag 120
aattcagcct cagcccccag atgaagatgg ggatcacagt gacaaagaag atgaacagcc 180
tcaagtggtg gttttaaaaa agggagacct gtcagttgaa gaagtcatga aaattaaagc 240
agaaataaag gctgccaaag cagatgaaga accaactcca gccgatggaa gaatcatata 300
tcgaaaacca gtcaagcatc cctcagatga aaaatattca ggtttaacag caagctcaaa 360
aaagaagaag ccaaatgaag atgaagtaaa tcaggactcg gtcaaaaaga actcacaaaa 420
acaaattaaa aatagtagcc tcctttcttt tgacaacgaa gatgaaaatg agtaagtgta 480
aatattttga atttagtcta ctttgaaagt atatggagtg ttcattaaaa tcacattttt 540
tcctattata aagatactac aagttcttta tagaaagttt aggaaataga gaaaaaaatt 600
taataaacta catctattca tcaatacccc tctgacttaa aatgccaact ctatagaaat 660
tagctagtat taacattttg ttatttccct tgtgtggttg tatatatatg taaattatat 720
ttttaagcaa aatacatttt ttgtgtgtaa acaaaatttt ataaatacaa ctgtattgca 780
aaaaa 785

<210> 187
<211> 1679
<212> DNA
<213> Homo sapiens

<400> 187
gatctttagg tttttcctat agaaaacatt cttcctccat cagtagccct ttatttgata 60
ttcagaagtg gaaagctttt tcattctcca gtagaacttt taaaaattgt tacagatacc 120
tagctcttca cagatatcat gtattgtaaa cagtcatgtg tcttaatttt attttctcta 180
tttgagtgca taattatcct aataatccca aagacactga caactcaagg aacagcagta 240
cagtactatt agaagttaag tatgttgttg ttatttcaca tttcatttaa ttgtggataa 300
atgttagaca tctgttgaaa taagctcata tggtggaaac gacaactata ttatgaatta 360
ttttcagaaa tggatctttg aatagcagat caggatttaa ataataaaat tatctatgaa 420
tcacttttat ggtcatacat atatgataca aatccagagt tattggtgca gaaatggcta 480
cccgagagct tggtaaattt gccttggttt cttatgttaa atgtattgtg cttcccttct 540
gtctctagaa tgtggctctt cagaagacag acaatcgaca tttaaatttt tccaaacaat 600
gaaaaactaa attaaaaaca ttgcttgata tttcatttaa aattgcacct tgcttaaggt 660
ttactgaata actgaaatgt cagcaattta aaataaattc aattgtgtga taaaatatct 720
cacctataat agaagaaaag gaaaatcata ttatttggca attttgcagc attgtggttg 780
cctaacaggt atatccagca gatgagaaac agtatgaaag gattgtatta acatggtaag 840
ttttgcccta aggaaaacga tcttgcattc tggattcttg cagcaaagtc tcagatactt 900
aatacgtttt cttgktttat catctgktct atgattcggc ttcactttgt gtggktattg 960
aattatgtaa cagagatttg gktttcccaa aatgktatca catttgaaac tatgattgct 1020
ttgkgktcag tccttttgga acacgtagct tycagcttaa gggtagagga aatatatacc 1080
taaaatcatc aatacatgaa agaaaaagga tggaaactat gtcctcagtt ttacttctac 1140
caaaacatcc ctgtatgtgt gtgcatgtat gttggcgtgt gtgtgtgtgc atgcatatta 1200
gtaaatgtgt gtttgcatgt gtgtgttggg gagtgtatgt gatctgggtg tttgtttatc 1260
tctgttatta ttccccttta gctttatttt agtcaactct acattatgat gaatttcaaa 1320
atgaagctgt attaaaataa ttgtaatata acaattcaat ctcacatgtt actgcagata 1380
gttaactttt gctgcaatct attgtacatt tgcaattttc tgtgttagta aacttagcag 1440
aatctggtta wttattttwg tgtaggctta atgttcactg aaagataagt caattactgy 1500
tagtaaaaaa ttaaggtact ctcactgcag agatttaagc ctgggcctaa tgtgctgtat 1560
tatgaagcct tgtgactgaa aaatatgttt acatatgttg tctatttttt taataaactt 1620

ttatagctgg tctatttgct cagtaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcgag 1679

<210> 188
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<400> 188
cggtgggctc gcgttgaggc tgcggtcatg gagggagcag gagctggatc cggcttccgg 60
aaggagctgg tgagcaggct gctgcacctg cacttcaagg atgacaagac caaagtgagc 120
ggggacgcgc tgcagctcat ggtggagttg ctgaaggtct tcgttgtgga agcagcagtc 180
cgcggcgtgc ggcaggccca ggcagaagac gcgctccgtg tggacgtgga ccagctggag 240
aaggtgcttc gcagctgctc tggacttcta gggatctcag ccgtggckna ggccaccccc 300
agaggagccc ctggtccaca gaagcaggcc ttgtgtttcc agcggcctct gataagaggc 360
agggaaggam ctgaaggatt tggarttgat tcaaacaaga tctctgggag tctccagcct 420
gtgcagaagg ggcaggactg cagtgcactg cgggccttgg agtgtccagt ggggacactg 480
gtgtgggaag gggcagcacc tggggagtcc ctgcctctcc tccctgggac aatagtgtgc 540
atgccacccg gggtcctaca ggcaggtgct gggaaaggcc tggccagcag gtagcctgtg 600
tgtttgacaa acagcagctg gcagcgctgc ctcctgccca cattcctgcc acccgacatc 660
aaagctggcg tgtgaccttt ccagccatgc gatattcccc ttggaagatg cttccccagg 720
ctataaattt gttctcacaa agcaacatca ataaatcaaa actgtctcty ccaaaaaaaa 780

<210> 189
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<400> 189
ggtcccttta aggtttgctt ctacagcccg tggactttag cctaaacacg gacccgcgaa 60
gctggcttta tttgtccatg tctcggacag agcctgggaa gctgccagtg agatttcaga 120
gaccaagagc gcgaaggggc gggcgatgtg gcaatccgtc tgggatgtga aaagcgtgga 180

gcgcatttag aggcattcga cgaaaacaca ggaaatcact cctctcccgc tcctgggcgc 240
cgctgccact ggggcagagg actgggaacc gcggcagcgg gataagtggc ccagccagag 300
agcgcagctc ccgcgcccgg tcctgccctg cgaaccacgc ggccccctgg gctgaagctg 360
ctccggccat ggccctcggc cccgcgcccg cccargggty gctgtcccct gcttgctggg 420
ctcctccctg gtacattgcc tcctcccgga cacaaattac tccctgaaaa aaaggccctt 480
tgttnaacct actgtggnta accgcctttc aaaaactaaa anttgctggg gaa 533

<210> 190
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (590)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (600)
<223> n equals a,t,g, or c

<400> 190
tccttaatct tggttttcct taaactttct ataagtccag catctgaaat attttgtcaa 60
ttatcacatt aatgtgttca ttttgtaagt aagagtactc aatttaaaat gatcttactt 120
taaaagtggc ctagtttgca gtgcccagca ggacactgac agtcacagct gtgtgacttt 180
ttgtgggtta cttaatttt ttgagcctcc ttttctcttc tattcaatga ggataatagg 240
gcctacctca taggattatw atgcattccc ctctgttaat gcacgtaaag tttttacttg 300
gaaaactaac tcaccattta acaaccattc taagcaccat agaatatatt ttgtttcaca 360
aatttggtat tcattcagaa taagtatttg aaaagtgagt aaattctatg caattatagt 420
tattaaatga cttataaact gtgtttctct tccacttctt gctacattta atcttctagg 480
tgttcagata tctttggaga ttataggcag caataaagct aaggcagcta acctttaaca 540
ttcttggngt caagctaata ttttggtgaa agggaattct tgnggttctn aaaaaacttn 600
ga 602

<210> 191
<211> 858
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (772)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (801)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (814)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (815)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (852)
<223> n equals a,t,g, or c

<400> 191
cttggctcaa acaatatttt ccctataaca aaggcaatag gacacaaaat tcacatcctg 60
ctgggccttt tttcatcaag tcagggtgat ataaaaacat tggaagtctt ttcaccaaac 120
cctgacttta ttgaatgcta gtagaagatg tagaattaga gacatctgat ttgtttatca 180
ccttagcaga aaaaccacag tccaaaagac aagcaaatta agaatggagc ttaaccatgc 240
ctccattggg aagtctagac tttgagccag gtacagtaag aaaaattagc ctctgattca 300
ttaagtttgc cacatgactt attttgatat tttggataca ttaactcact taggagaatt 360
cagaaaagaa tgggtgatta aagttcatta cagctgaata aatgtgtcta aaacagactc 420
ttgtattctg aaagtacagt ctacaactga taaaacctta tgattctttt ctcccccatt 480
atgcccctat atatatcaag atttgggtac tttattttag tagaaaatat atatctttta 540
catatgtatg tatttataaa tgcatagata tatgtataaa aatttgtaag cgttagcggc 600
attaattcac caatgcattt ggacaacttg atgtaactga ctttatttta tgtgactata 660
ataaaaagca taatttttctc aaaaaaaaaa aaaaaaaaaa aaaaaagggc ggccgctcta 720
gaggatccaa gcttacgtac gcgtgcatgc gacgtcatag ctcttctata gngtcaccta 780
aattcaattc actggcccgt ngttttacaa cgtnntgact gggaaaaccc tggcgttacc 840
caacttaatc gncttgca 858

<210> 192
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 192
gcgggggaag cggggctgta gctgggcagg gagagggcgg acgaaatcgg tagcgatctc 60
ggctgcggcg ctgcccactt gncccggccc gcggggcgcg ccctgaccct tcatctttgg 120
gcaggctcga gggcgcgcgc acggttggcg ttctggggcc tcaaactcct gggccttgac 180
cgggcaggcc gcgtctcccc gggtgtgagt ccaccgggac ccggccgccg cctnaagcgc 240
gkgcgccaca gaagcggcgg cgcccgaaga cgcgctcctg gctgggcccg acagcctcgc 300
ttggccgcca gttcttctgc agccgaaggc ggttgttctt ttaaagaatt attgaagacg 360
aaggtttttt tctttttatt tttttaatgg ytttacagaa tcttaaaatag aatacagttt 420
gacatgacgg caaaaaatgt tggtttgact tccacaaatg cagaagtaag aggatttata 480
gatcagaatc tcagtccaac aaaaggcaac atttcatttg ttgcatttcc agtttccaat 540
accaactcac ctacaaagat tttaccaaaa accttaggac caataaatgt gaatgttgga 600
ccccaaatgt gatagaaaac gggctagaaa atttatagac tctgattttt cagaaagtaa 660
acgaagc 667

<210> 193
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 193
gttaccgctc tataccggca gcagccgcgg agagcatgcc ccgcccccgt ggagcccacc 60
ccgggcggtt aacctcgggt ctcantcccg ggctgtgacc ctccccgagg ccccgccccc 120
acggcgaagg cccggggcag ttaacccttc tcttgctgcg gcagagtccg cacccgggca 180
ggcccatctc agaattaacg ctttgatggc atcaccgcgt cgggaatccc tggggatggt 240
gttctccacc gtcaagacct ttgagccgcc tgagcgacta actcctgcgc ccctgagggg 300
acatttttatt cagaaattaa atcattcaga gttccagcac tgtcgggggt catcgggctc 360
tgtccaccgc catagcctag cattgtcacc aacggagcca trgagggacc tcggcccaag 420
ctggggcctc ttcattgtcg aaaaggcctc ttgccagacc aggatctgtg ggcgcggcca 480
ggctggagga ctagggcggt ggcagtggca ngtgagtgca catggctgtg ggtggtn 537

<210> 194

<211> 400
<212> DNA
<213> Homo sapiens

<400> 194
tctaactata ttaaaaaatt tctgtatggg gatatcatta ggaagggtat cagtaccttg 60
tctgtwatgt gtctactaag caaaacccaa actgcagcac ccccctgtgg tacactgcac 120
ctccagtttg tactgggggt tgttggccag gctataggca tctttcacag gtccttgctt 180
agcatcccaa gtactgtgaa tacatgttga ttctttaaaa agacctggat tccaactcaa 240
ataaatcaca tcataatact ggcagagatc atcccaggaa atccaaaata ttccgttgtc 300
tatttttctga gctgttcggg gatcaaagtt taaatacttt tgcaactctg gagtccagtt 360
ttttacatca ttttcactgt atcttccttt ccaacgtaac 400

<210> 195
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 195
cgcgtgggcg gacgcgtggg gtgaattttc agccctcaga gcagaaaatg agaaaataaa 60
actcgaacta catcagttaa aacaacaagt aatggatgaa gtgatcaaag tccgaacaga 120
taccaaatta gacttcaacc tagaaaagag cagagtaaaa gaattgtatt cattgaacga 180
aaagaagctg ctggaattga gaacagaaat agtggcattg catgcccagc aagatcgggc 240
ccttacccag acagacagga agatcgaaac tgaggttgct ggcctcaaaa ccatgcttga 300
gtcacacaag cttgataata ttaaatattt agcagggtct atwtttacst gcytaacagt 360
agctctggga ttttatcgcc tgtggatcta ataaagtgtc tatttaaagg ngaaaanaaa 420
aaaaaaaaag g 431

<210> 196
<211> 417
<212> DNA
<213> Homo sapiens

<400> 196
tttcactttc tacttttttc attttgttct gttcgaattt tttataagta tgtattactt 60
ttgtaatcag aatttttaga aagtattttg ctgatttaaa ggcttaggca tgttcaaacg 120
cctgcaaaac tacttatcac tcagctttag tttttctaat ccaagaaggc agggcagtta 180
acctttttgg tgccaatgtg aaatgtaaat gattttatgt ttttcctgct ttgtggatga 240
araatatttc tgagtggtag ttttttgaca ggtagaccat gtcttatctt gtttcaaaat 300
aagtatttct gattttgtaa aatgaaatat aaaatatgtc tcagatcttc caattaatta 360
gtaaggattc atccttaatc cttgctagtt taagcctgcc taagtcactt actaaaa 417

<210> 197
<211> 734
<212> DNA
<213> Homo sapiens

<400> 197
agacatattg aggtgcctgc ccttgtggag tattcatttt atgctgccca agatatcatt 60
taatttagac ttaacaagta tttccttgtg attatattac tctgtccttg ttaataaagt 120
gctgctgtgt ttgactctga acatactacc aaaacttctt caaagagttt tttatgaaag 180
actttcctcc tttacaagar agaaatrggg tgctgccttt ctgtttagta aaagcagaat 240
ttgcagtggc atctaaagag actttttaa ataaaaatta tgtattgtgg cataatcctt 300
tttttgagct ctacagagaa cagtcttttg gtaatagtgg caggtattta ttccttctga 360
atatataccc cattatagga ataactgtta cttatttagg attccatcat tgaaaatttt 420
gacccaaggc acagcagtga aatttatagt tcycaattta gttgtcatta ttgacaggca 480
ttggtattat tagtcattgc taagcaacta aaacttcatc agttcaaata agttttaatt 540
gtcaaatgaa gtataaacac atgaactttc tagaaatatt tcctcttttg gataggtctt 600
taaccagttc atatatatac tttgtcaaat atatggatgt gtatgtgtac atttataaga 660
accagtatgg atacatccat tcactgtggt acattttaaa ataaaatatt ttagcagtga 720
atatggaaaa aaaa 734

<210> 198
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<400> 198
aggaagctgg gggaccattt tgcaccatga gtttgtgaaa aatctggatt aaaaaattac 60
tcttccagtg ttttctcatg cmaaatttyc tyctarcatg tgataatgag taaactaaaa 120
ctatttycag cttttcctca attnacattt tggtngtata cttcagagtg atgttatcta 180
agtttaagta gtttaagtat gttaaatgtg gatcttttac accacatcac agtgaacaca 240
ctggggagat gtgctttttt ggaaaactca aaggtgctag ctccctgatt caaagaaata 300
tttctcatgt ttgttcattc tagtttatat tttcatttaa aatcctttag gttaagttta 360
agctttttaa aagttagtta aaagaattga gacacaatac taatactgta ggaattggtg 420
aggccttgac ttaaaacttt ctttgtactg tgatttcctt ttgggtgtat tttgctaagt 480
gaaacttgtt aaatttttttg ttaactaaat ttttttctta aaataaagac tttttcacaa 540

wraaaaaaaa aaaaaaaaaa actcgagggg gggcccgtac ccaatcgcct gtgatgtntc 600
gtatac 606

<210> 199
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<400> 199
catcttggag gtcaaataat agtaggaaaa gttcagcaga tactgaattt tctgatgagt 60
gtactactgc agaaagagta ctgatgaaat ctccatctcc agcattacac ccacctcaga 120
agtacaaaga tagaggaatt ttacatccta aacgaggtac tgaggaccga tcagatcagt 180
cttctctgaa atctacagac agcagtagtt acccaagtcc ttgtgctagt ccttctcctc 240
catcctcagg naaagggctc aaaatctcct tcrccaagac caaacatgcc tgttcgatac 300
ttcataatga agagtagcaa tttgagaaac cttgaaattt ctcaacagaa gggtatctgg 360
gctacaacty cta 373

<210> 200
<211> 3652
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2102)
<223> n equals a,t,g, or c

<400> 200
acgagctgat gtctcccgga ggaatctgca attgcataat ttagttggtt gcttgtctac 60
tgtctctctc tttggcaaga atgaaagctc tatgagcaaa cagaccttgt ctgccttatg 120
atccatttta ttactagagc ctaggactgt taaattcatt aataaagtct ttccatcact 180
ttttgttctt tatattcctt tactcaattg atattcagca tgtgcagaac agttcttttc 240
caaggctgca taaaagtttt ggaatgaggc acataaataa tatccttcta ccaataaatg 300
ctatcngtta taaaatagtt tttattttat aatcactgaa tatgtcaaaa ctttacagtt 360
caggcctttt gaatcaaatg caaaatcaaa tatgaaaagg ttaatgatct tgtccactaa 420
aattgtagtt tgccatacag gaaaatagac tcttaaaaat gataaaaaaa aaaaaatcat 480
tcttaaggaa acatattaat aagacattta aaaaggctaa gatctttaat gtgaaaaata 540
ataagataaa gatgacaacc actgaagaga agaaaaaacg ttttatgttt tttctaaatg 600
tgtgtaaaaa caaaatcttg tacctaccaa aatgacactt ttttcaaaga aaggtatcaa 660
atgtgtatac tttaacacac agcccttcct tgtgtaaata tataggaaat ccttaaagga 720
gcataaaaca atttacttag aaattctata cttaaactta ttcaaaggaa ataattaaag 780
gtgtgtaaat aagatatgca tagcattgct ctaaatgtca aatagtaggg aactaggtaa 840
ataagatata tctatttagg gaattagtca agtaagatat acctatttag ctaattccat 900
gtagccatca aaaggatacc atagaacaga acttattgat gtgaaaagat gattaaaatg 960
tacttgttac taaaaacagc aggctgcaat actgtattaa ataatgagcc catgctgtat 1020
atctagacaa acatatatca taatgataat aataaatgta tgagacttat atttttgctt 1080
ctctgtattt tctaatttgt ctgtgataaa caaatattat taatgtaatg aagaataagc 1140
taaaatatac aaaaacaata acaactataa aaagaacccc ttcaatcaaa aagagatcat 1200
cagggattta attcaactat ggattggcac tattaggagg ccaaatatga ttcgttgaac 1260
tgaactgtag taaagacaag atattaggaa aatgtttaaa ttatgtgaga actattctca 1320
agcactttaa agatctattt gcaagataac aatgtgctaa ctttaagtaa tgtctatgta 1380
ttcttgagac cagctttgac aatgacagct gncattccat ttgacttgga cttacattat 1440
gttttgtcta tattttcaaa aacagaaccc agggactgat tcttacaagc attttcttaa 1500
agattcactg ggtggctgna aatctgatca agctgttctt tgggagatca ttattcaaca 1560
cttatcacat actttatttc tacagctatg actgtcactc cccaagcttc acttcataat 1620
gaaaataaag aatacagccc ttttggaaaa gttggatggt aataccaagt gcgtaagttt 1680
ttagtacatg ccatatcaca accttctacg tggctgactt ttgacttttt catttctttt 1740
ataactgaca gaagacacaa aggcaaaaat gtcaacttca caaaaaatct tagtgctttt 1800
tggaaagaat gttatagatc atccagtcta acccccctgat gttataaata tggaaattta 1860
ggcctagaaa ataggtaagt gatgaatcaa actagaagca ggtgtcctgc ctctaagccc 1920
aatccagttg ccatcatcat ttactattta catggaacat caggttctac tttagaagtt 1980
aactatcaac ctacagggtt aaggaaaata gcaatgtgta tatacagacc ttgcatctgg 2040
tagctgtatg gtgcctgtcc aggttgaggg gtactgaagc ttgtgccata gctgagaaat 2100
nntgtctgtc caggtgactg agactgtgac aatccacctt cagtcttgat gcctgcccac 2160
aatgcaccta aatcagttag tgatagctta tctatctgtc cattttcaaa agctggtaaa 2220
tatacaaaaa catacacttc cacaaccgtt taactacaaa tgcttcccca atcttatctc 2280
aaaaataaag ggtatacatg cattcagtga aataccataa agtacaactt cagtttttta 2340
aatccaggat tacagatttg aatgtctatt cacattattc tctcttgttt tattgcactt 2400
caagacatat cccttctata aaatgtaact ccagtgatat attttcatac ttaatttgt 2460
tgttttaatt atgtaagagt tgaagatcat ctccttcaca gtaaagaaat agccataatt 2520
aaattttagc taaatgttcc caaagttgct atattgacta gtgttaaaaa taaaatcctt 2580
ttttatatta aaaatattaa ttagatccta taccatcaca gtatttttcc ctcctttact 2640
ctttctacta caaagctgat ttcagtacca actcattttg aagtccaaag aagcaatact 2700
gggcacagaa ctaaacaaca tggtggaaag gcttttcctg aatatctagg tcctatcaga 2760
aaataagcac aaaggaagca gaacactaat gagctgaatc ttataaaaca gcagtgattt 2820
ataaacaagt gaggttgacc agcagtttcc ttttgtccct gttagtgtga aatatttgac 2880
tataattgtt ttcgatgtag tctaaagtac ctttgttttt atcatatgat aatataaaaa 2940

tgatgtatct gtggccccca aatacttccc caaacaccag gctaacatcg taattttggg 3000
acttggattt ggcagcactg aggtatgggg ctcagctctg tctttaatta attacaatta 3060
aagacagtca tacatgttaa caactctcct tcattctcac agagggaggg aagaaaaatt 3120
tctgccgagg gaattcacat tttttaataa ttttgcttcg tacttaagat aaatgatatc 3180
tttaggatct agaatacaca gtagtcttac tgtttatttc cattttaggg gaatctcatc 3240
agcagagtac agctaggtaa ttgttttaag gcagtgggag aatctgactc ttggctgaga 3300
gtgcctactt taattcctgc agtatctcta aataacttca taatgacctt aacatttaag 3360
tcttaacaca accttaacat tttaaaaatg tgattttccc tgtaaaggtg atcccaaacc 3420
aatgaataac ccacacatag aaatggtccc tggaaataca cctgccccag acaggtggca 3480
tgatggcttt agaaaatccc tttctttcca tgttgtcacc cctagggatt ttccacctct 3540
tgctgcattt gagactatac tgatctgctt ccagccttca cctataccaa taaaatacca 3600
ataattcatg tatttttttt ttttgagacg gagtctcgct ctgtcaccca gg 3652

<210> 201
<211> 551
<212> DNA
<213> Homo sapiens

<400> 201
gctgcagcga cgtcgggagc agaagcagcg gcgacacgac gcgcagcagc tgcagcagct 60
caagcacctg gagtcctttt acgaaaaacc tcctcctggg cttatcaagg aagatgagac 120
taagccagaa gattgcatac cagatgtacc aggcaatgaa cacgccaggg aatttytggc 180
tcatgcacca actaaaggac tttggatgcc actggggaaa gaagtcaaag ttatgcagtg 240
ttggcgttgc aaacctatgg tcaccgaacg ggtgacaaag aatgcccttt ctttatcaaa 300
ggcaaccaaa agttagagca gttcagagtg gcacatgaag atcccatgta tgacatcata 360
cgagacaata aacgacatga aaaggacgta aggatacagc agttaaaaca gttactggag 420
gattctacct cagatgaaga taggagcagc tccagttcct ctgaaggtaa agagaamcac 480
aagcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaggggg g 551

<210> 202
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (582)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 202
gcggcacgag aagtcacagg tcttgccaat actgttgtag tttcttgcct atatccgtaa 60
tttgaaggaa atggtragag tgattagaga agtgtaatta ctgtaatttt ttcccctatt 120
gtagtttctt gcctgtatcc ataatttgaa ggaaatggta agagtgatta gtgaaatgta 180
attactgtaa ttttttcccc attcaacttt atatatcttt aactgatgac cagatcattg 240
ttgttctgaa ccagtttgtg gtcagcaagt gttttgtggg gttttgtttg tttgttttta 300
aagaacagtt tgggtcactt gacatggttc tccaaaggga tkttatgggt tgtwtttggt 360
tctgggtgat aaccgacttg ttagataatt tagataagca accgagttgc catgtttgtt 420
tgtcaaatct caagtgtagc ttatatttta tgttcctaga gangttgtca nggaaagatt 480
tgacccttg gcaaatctgt ttgaatagag atactaccat gctgcccaat aaggctttct 540
ggccctgaaa aatatacgga attattcttg gaaatttgaa anggaaaaaa gaaataaact 600
gatccatgtt tnttaccatg ccaaattaat tgaaggaatt ttcctaaaag gtatctcccc 660
tcggt 665

<210> 203
<211> 2102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1861)
<223> n equals a,t,g, or c

<400> 203
aaaaaaaaaa aaaaaagaaa aaaaccaaac taaccaaaac tctgtaaaag agtgctttga 60
gctctacaaa taccaagtat ttattgtggt atatttttag aatgtagcca tacagtgtaa 120
ttatgggtat ctgtcatgga tcacaattat tattcatagt aagtcattgt gatacagaag 180
tttgtttctt cacttcccct taagaagcca actatagtaa tcatgcaaag ttgaggagta 240
tgtccttcag ggatataaaa agaaaaacaa atctgttttt tgagctaaaa gagcacatcc 300
aaacaagaat ttaactggct aaaatttagt aattactgtt aagtaactat caaacttgaa 360
atcttacaag ataaatggtt aagatgtctt gagtatttgg gatgggggcc tgtgagtctg 420
attgagacat acattttaca gagtagcagc actggaaagg gctagtccaa cctcccagcc 480
tctgcttggg tctccgctgc cccagccaca cacatcctag aattcttgta aacatatctg 540
gctctgtgtt aacagtgcac ttgttatatg ttttctaaga gattagttct tcctgtgatt 600
tttccaagta cgctgaaagt agtagtatga acttaaggag gctagtcaaa gaaacttgga 660
gttataggta tttttaaaga ataaatcctc aattccatca tcacttggcg gggagggggc 720
acttattaag cattttagat aataaaactg gttaagctta ctctggtaga acagacaatc 780
aaatctgggg attgctgaga acaataataa gctgaagtat ggctcacaga atcctaacac 840
aaatcattaa gtctctagtt agatttgtta tcctaaaatt tttcatagaa ttttaaaatc 900
taattctgac ttgtatggtt aagaaaagca gttaaatatt ttactactta tcaagggctt 960
ttaaaataaa taaatctgat tgataggaag aaaggcaaat aaatacctat gtagacattc 1020
tataataaca aagagccata gatgataaag gaattagatt ttaatgtaga atgggtggtt 1080
tctgaaacaa aggtatgtgg tactttgtag ttattgatga gaagccagta accagtagtg 1140
ttttcctaga tatatgccca ccctcacaca actttcttca ttaacaaaca ttaaatatgc 1200
atttgtatct tattaaatta tattgtataa tgctgaagga aaacaaaaag tgttcaaata 1260
atcataactt ctacattaca ggttctgttt agatgcagaa ctagaggggc cagggtaaat 1320

gtagataaag agatatatag caccatgctt cttaatgctt catacttttg caaacagaaa 1380
aaaaaagttt actttttatt ataaaacttc atctatggtc aaagtaaaca ctgttacatt 1440
taaattgctt tttaaaaaca attgcgatct aaaaagtcaa aaatctgaaa tttaataata 1500
tgagacttac actgaatata atgttcattt agaagttgct gtggtccact tcatttataa 1560
ggaacaaata tttttacagt acactatagc aacagcaaaa gccctctctc accctgatag 1620
gaatgggttt gctgggtgtc tagaagttag attcctgctg aatagaatta gccatcctta 1680
aaagatttta atccaatact gaactgttta taaaatgctt tctctattgt aatgtactgt 1740
aagtagtgaa attctgtata tactgctatt ttctgtctgt tcattgttgt gaacttctta 1800
tgtatattag tgaaataaat tttcagcttt catgttgttt cctaaacatt cataagtata 1860
nctaactatt aagagatttc ttcctttctt gagtaacaaa tttggtgatt atattctttc 1920
tgatccaacc ccaaaaacta gctattctga aaaggctgat gttcactaat gggaagaatg 1980
aaatgaccct tcacctctta agggaaaaca gcctccgcca ttccctttca aaactatact 2040
tcttttactt gatactcaaa acttctgcac caaaatcagt cagtattttt ccagaatgcc 2100
tt 2102

<210> 204
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<400> 204
aactgatatt taataatatt taatattgct ctaaaatttc tggctaaaat gaaaatattc 60
aaccatcagg aaggagaaac aaaactatta ctgtttgtaa acagtttatc atcagtactt 120
acctaaaaat cctggagaat gagctcagaa atatttctaa gagttgagac agtttagcaa 180
natgaacaga tacaacctca aaccaaacca aactagaaag ctcagaggac acagaatgcc 240
agtactgggc tgggcaacac ctctgttgtt tgtgaaaatg tnc 283

<210> 205
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<400> 205
ccacaccccc ataaggccat ccaaatattt aaangccccc ccagtgggaa atttggtgtt 60
taaaacctca atggaancct aatatttccc ttatgtccgt tagtcccctg taaaatgtta 120
ggtcacccca aggaaagggg agaaatagca atggttgttc ctaaggtatt gcttgccctc 180
catgtcttcc taaagagcag aacttggagt ttctccttta tgtagagaag aagtwactta 240
gggtgtattt gcaatgaaat attcatagat attgaaagct tgtgtttaca tkaaatatgt 300
ttattatcaa gaagtccttt ttccaattct gtacattaaa tatatgtgtt ttaaaaaaaa 360
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggggag 420
gggnc 425

<210> 206
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<400> 206
cccacgcgtg grcagaccgc gcagggagca cacaccgcca gtctgtgcgc tgagtcggag 60
ccagaggccg cggggacacc gggccatgca cgcccccaac tgaagctgca tctcaaagcc 120
gaagattcca gcagcccagg ggatttcaaa gagctcagac tcagaggaac atctgcggag 180
agacccccga agccctctcc agggcagtcc tcatccagac gctccgctag tgcagacagg 240
agcgcgcagt ggccccggct cgccgcgcya tggagcggat ccccagcgcg caaccacccc 300
ccgcctgcct gcccaaagca ccgggactgg agcacggaga cctaccaggg atgtaccctg 360
cccacatgta ccaagtgtac aagtcaagac ggggaataaa gcggasgrrg gacagcaagg 420
agacctacaa attgccgsam cggntcatcg agaaaagaga cktgacggnt taamgaktga 480
tcg 483

<210> 207
<211> 976
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (929)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (958)
<223> n equals a,t,g, or c

<400> 207
agctttcagc aagagatggt cacaatcaga aggataatac aaagtcaaaa gagaaggaga 60
gtgaaaacgc ttccaggaga tggtaaagga aataagcata agaaacacag aaaaagaaga 120
aaaggggagg aaagtgaggg ttttctgaac ccagagttat tagagacttc taggaaatca 180
agagaaccta cangtgttga agaaaataaa acagactcat tgtttgttct cccaagtaga 240
gatgatgcca cacctgttag agatgaacca atggatgcag aatcawtcac ttttaaatcm 300
gtgtctgaaa aagacmagag agaaagggat aaaccaaaag caaagggtga taaaaccaaa 360
cggaagaatg atggatctgc tgtgtccaaa aaagaaaata ttgtaaaacc tgctaaagga 420
ccccaagaaa aagtagatgg agaacgtgag agatctccct cgatctgaac ctcccaatta 480
aaaaagccca aagaggagac tccgaagact gacaatacta aatcatcatc ttcctctcag 540
aaggatgaaa aaatcactgg aacccccaga aaagctcact ctaaatcagc aaaagaacac 600
caagaaacaa aaccagtcaa agaggaaaaa gtgaagaagg actattccaa agatgtcaaa 660
tcagaaaagc taacaactaa ggaagaaaag gccaagaagc ctaatgagaa aaacaaacca 720
cttgataata agggagaaaa aagaaaaaga aaaactgaag aaaaaggcgt agataaagat 780
tttgagtctt cttcaatgaa aatctcgaaa ctagaagtga ctgaaatagt gaaaccatgc 840
accaaagcgc aaaatggaac ctgatactga aaaaatggwt aggacccctg aaaaggacaa 900
atttctttaa gtgcgccacc aaaaaaatnc aaactcaaca grgaaactgg gaagaaantt 960
gggagttmcc gaaatt 976

<210> 208
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (589)
<223> n equals a,t,g, or c

<400> 208
ccacgcgtcc gccgacacgt cgggattggc ggctgcagcc aggggtcctc cgacgctggg 60
cttccgtgag cggcgctctg ccaggtgggg ccggagctgc ggggagggag ttggcgccta 120
gcgcgcactc catccccgcc tctgcagtgg actcggccgc agaatcgggg tcccgggctc 180
ctggaacttg tcccscccag gccgcggcga ggaggtcact ccagccgatc tctggaccgg 240
attcgtccca ttctcgtcct catggtggac aagaaactgg tggtggtttt cggaggcaca 300
ggtgcccagg gtggctccgt ggcccgcaca ctcctggaag atgggacatt caaggttcga 360
gtggtgaccc gaaaccctag gaagaaggca gcaaaggagc tgaggctgca aggtgcagaa 420
gtagtgcagg gagaccaaga tgaccaggtc atcatggagc tggccctgaa tggggcttac 480
gscaccttya tcgtgaccaa ttatgggaga gctkcagcca ggagcaggag gtmaagcagg 540
ggaagcttct tgctgatctn gccaagngcc ttgggcttca ctntgtggnc ttcaaggggc 600
cttgaggaca ataaagaagg ttacgggaag ggagatttgc cgccggggaa cttttaccgg 660

<210> 209
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<400> 209
tggaaccaat ctttgtggta catattccag ctttttgaat gagtgcatat ccagtnagta 60
cctttaaagt aacactttgt acataacaar tactcagcaa atgtgaaact ttatttgctc 120
ttacttcaaa attagtccaa aatgttggaa ataaaatata agacattgat ctagatatga 180
ggtttttctc cttcattctc agctgtcgaa gaaatcraag tagcatatgc acaaggwtaa 240
aaaccacata tacaaatact atagaacagc ttataatgaa aaccttgcct gcctttataa 300
aaaatgtgat tatcttcttc tgttaatgtc aataaaagat ggtttgtcct agaaggtcta 360
taaatggtat tatgttctgg agggtttaca tatgaaaaat gtagaaaata caaaaagtgt 420
ctatatatac aaaaatgtaa gtgttaacat ttttatattt gccntcnagc tttttttta 480
aataaaagga atgccatatt gccattaaaa aaaa 514

<210> 210
<211> 173
<212> DNA

<213> Homo sapiens

<400> 210
gtcaatgctc tgaaatctgt ggagcaaacc acagtttcat gcccatcgtc ctagaattaa 60
ttcccctaaa aatctttgaa atagggcccg tatttaccct atagcacccc ctctaccccc 120
tctagagcca aaaaaaaaaa aaaaaaaaaa aaaaccctgg gggggggccc cgg 173

<210> 211
<211> 1521
<212> DNA
<213> Homo sapiens

<400> 211
gctatcaaaa tcatgacatt atgtcacttg gagcaacaca gttgacccgc caaggcagcc 60
tcttcctcca tagatggatg aacgctgtgg ccgctgctcc tkcmctggcc atgccctgay 120
gctgccaaca ccactgctcc tctatttata agtcttarta gagttgctga cccagcaata 180
actgaacagc tgatatgtac ctcacactaa gccaggcgct tcatatgtat ctaacttgaa 240
aaatgctgag ctagttacct taacaccatt aacttttact taaaagtttg tttttctttt 300
ttaatcccag tgagctccaa acaagtttta ggaggctccc caaaaccagt gaagacttta 360
actaaaagta gaatttcaaa gtattagaaa ccaaacccca aaattaaatg tgaagatcag 420
tgtctgtact gagctggccc atctggtgga cacaggattt gcgttatcga ctgcaatgtt 480
acccaggatt cacgatttct agcatctgtc agggttaaga aaattggatt gagtaccaaa 540
tacagcagag caaacccggc tttgaggcaa gggccccatc aagtagtcat gcagtacttt 600
tgttagggtt ctgggtgcaa atcttcctcg tccctcccac cttctcctgg cctccttgta 660
aacccaaacc gccaggtacc tcaattttct tcaagaccag gctgttctta atgttggtaa 720
attggtcaag gaaatgggtg agccactgct tgctctgcac atcgtcctca gagtgctcgg 780
tcttcaggca gtacagcagc tgcatggctt tggcctgcag gagtaagtgg cccattccta 840
ggctgtcccc aaagatgtgt cctctgaaga agctggtcag gtagaggggg tgtccactat 900
ggttatagat ggtgaaggag atgctgccca ggtcgagcgt tttgtccacc tgccaggtgt 960
acaggagtgg gttgggggca ccacgcagag catcttgtac ctcgcgcaca cctgctggta 1020
ctggagctgg cttgcgtttc cctgtgccac acgcagatcc tgcactgtac tgtccagtca 1080
actgacttca gcaaagatgt ctgggttcag cagcgagttg ctgtgtgagg ccaccagaat 1140
ggaggtgata tcggcctcag tgctcatcct ggaggtggag aagtggtcag agtcctctgt 1200
ggtgaaatgg ccctacacca aagtgggaga cattcagaat cgaggcgaaa ttggcctcag 1260
tgctcctctt ggaggcagag aagcagtagg agtcggtggt gaaatggccc tgtgtgaatg 1320
tggaagacca gcagattgga ggtggaattg gcctcagtgc ttgtcctgga ggtggagaag 1380
cggtcagagt ccttggtggt gaagtggccc tgcacaaaac gttgctcccc cttggccggt 1440
gaaagaataa aagaaagctg gccacttgca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1500
aaaaaaaaaa aaaaaactcg a 1521

<210> 212
<211> 1875
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1052)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1849)
<223> n equals a,t,g, or c

<400> 212
gtctgctgtt gtcagaaggc agggagggtg atgaaggact gacccacatg gactgggatg 60
tgtgtcggtt atgggcatga ctgcacgttc actctcagtg ggatctgggc aacatggagt 120
tcattgtcct gttgcttact tactgcaatg tctttggccc tccttttcaa ctggttcctc 180
tgttgggccc aaaggttggg agtaggagac agtatcccag gctgacaagg gcttgccytt 240
taccttgggc accttgttaa tttttagcct gtgcccttcc ccacctttgc cctcccagtg 300
gttggtatgt gggaagccca tctcagttcc tgtgacttca tgtctcaaac caaggatgag 360
cgtctggtct ctgctatgat ggtggtatcc gaggcctttc cctgcccagt ctggtgcctg 420
ccccacattg taccggacac tggattcctg gacccccttc tcctttcctt tctttccttc 480
aggtcacgca gccctgtact gtatccagca ccacagaaac ctcagtgttt ttcctctgct 540
ggtttggggc acaaggaagc cttagggtat ggggaaaggc tgttattacc tagagtttac 600
tcccaggcca gggggctgcc atcttcttca cagacatccc tgaaaggaag ccccctttggg 660
gcagggaggt gaggacttca tctcaacatc ggctggtggt tggtagggga gcttttyctt 720
ttctttcctt tttttttgtt tttgtttttg tttttgtttt tggtaacatg ttaggagtta 780
atgttgcaaa gagtagttta catcttcact ttctgaagac acttgaattt aggaccgatg 840
tatctgtgac aagcatgcca gaagtggcag gggccatcag ggctaaccac ttcacaccta 900
ccatcgtccc atggggatcc aagacctgag ataaagcaac agcctgccca gatccctctg 960
ttcatcctat cccttccaag gttggtccat gccaacataa cctctgggca tcagacatca 1020
gcaggtctgt gtgcctcagc cctgttaagg gncaggtttc tctttagccc tcttcctgca 1080
cttgggagca aaggcactac cagtagagaa gggccatcca gccgtgcccc agcctggacc 1140
cctggggctc agatagaggt gctgagcccc tgtgtcaaag ttgttaaatg tttttgtttt 1200
gttccattgt agctcttttt ttttttttt tccctttcct ggtgattgat tttacaaaag 1260
aaagtaagct gcttagaagg ccctggaagg naagtgagga ggagggacaa ggaagatgac 1320
tagttacgga gggtgagggt tgtttttttgc caaaaagcct gggtagagtg atctgaatta 1380
tctggcaccc tcctgaatgg aaccccagag tacctcctgt gtggaagggt ccctggattt 1440
tccctaacac ccaccctctc ccccttcagc catgctgatg gcagagaaga taagaacttg 1500
gagcccattt ctcactggag aggaaaactt gtcatctggc tttgcggaga aggttccacc 1560
ttacgctcgt agtacattat ctttactatg tgctaggata tcatatttaa aaggacaaaa 1620
aaatgtaaaa tacttgaatg agcttgtatt ataacattaa tattattgag agtatctgct 1680
ttccaggctg aagtgattca ttcattattc tagtcctgct ttagtccttt gtaatttgtg 1740
gtaattatgc ttttcttttt aatacaaaaa aatgtataaa aataaacact tgaaaaggca 1800
aaaaaaaaaa aaaaaaaaaa aaaactcgag ggggggcccg tacccaatnc gccggatagt 1860
gatcgtataa caatc 1875

<210> 213
<211> 1917
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (798)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (802)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1073)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1748)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1829)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1887)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1891)
<223> n equals a,t,g, or c

<400> 213
gaattcggca cgaggcagtg gtgtgatctc agctcactgc aacctccacg tcttgggttc 60
atgcaattgt cctgcctcag cctcccaagt agctgggatt acagacatgt gccaccatgc 120
ccggctaatt tttgtatttt tagtagagac ggggtttcac tatgttggtc aggctgatct 180
caaactcctg acctcaagtg atccaccccc ctcggcctcc caaagtgcta ggattacagg 240
catgagccac catgtctggc cctacttttc ttttatgcct tctttttgga ttaatcaaat 300
atttagtttc attaccccac tattaacttt ttctattata tattcttttt ttaattaagt 360
gattaccctt gggttgttac atacatcctg aacttcttat agtaaatata catgattaat 420
ttaacctctt ccctagcaat gctcagattt tagaacatta taattccatt tagtctcttc 480
taccttttgt tttattgttt tcatgtattg taatcctaaa catattttac accccacaag 540
acaatatatt agtgttgcat atcctcaata ttcatttaga ttaatccata caattactct 600
ttctattgtc tttcactcct tactgaattt ctaggctttt atctgaaatt attttccttc 660
tgcctgaaga actacctttt atagtaattt tagtgtaatt ctgcttarga agtattatct 720
gttcttgtta ttctgacaac attttcattt ctccttcatt tttgcaggat gtttttgctg 780
ggtgtatttt ctgggtcngt antyctagat tacagttact ttcttcacta cttatattct 840
cactgccacc attttattga aagtcagcac caaatcaatt aaaaactgaa ggtaatattt 900
ctccccctca ggctgttawa aatttttttc yttgaccttg gtttttawta gkgttactgt 960
aatgtgccaa gatgtgmctt tctttawatt catcctgctt gggattttca ggaattcatg 1020
cctcagggct ttatgtcttt cattagtttt gggaaaattt taagccatta acntttcaaa 1080

gatcatctct tccctattct ctcttyctct ctctgctatc cttttgraac tccaattmca 1140
tgaaagttag atttgttcat gttattcctt acgtttctta tgttcttttt tatattttcc 1200
atctttttcc ctctctgagt gtcagctctg tgataaggta gtcttgagga cttgtgtctg 1260
ctggaaggaa ctgatctgac ttggagamcc tcaaaaaagc tctatctctg gatattcatg 1320
aaaagaatag caattagaag caatctgctc aaagtcagca ttgcaactgc ttagggctgc 1380
aatataggtt gaggcaccaa gagactagca aatattttat agggttacct gagaaacaag 1440
agagccacaa gggactttga taagctctat aatatgtctg taatgttcct gggaatttag 1500
aaggttgtgt gcatgttcaa ggctgcatgc atgttcagga aataccaaca ggggccaagt 1560
tacttattca tctcttactg accttggagc tcagtgtaag caggcaatga aacctaaggc 1620
aaatttataa actgcctgaa ctttgaaggc atgtggaaac tcataaacag cttctctcag 1680
ccagttgcag aagatttact tattcaagtc atttaagaaa accttctaac ccaaaatttc 1740
ccatgctncc tgagatgacc aggacctaga agtagctaaa atagaacaga tttaaaaagt 1800
acataattct gtggagatct gaggctttna ctagcttgaa tgtacaacac acaacctgtg 1860
ggtgggataa attaagcata aacttgngta naaaaaaaaa actcaggggc cggccat 1917

<210> 214
<211> 1544
<212> DNA
<213> Homo sapiens

<400> 214
ggcacgagct atagcaatct gggttttctt agccaattga aatgggcatt tattagatca 60
tttaagcatc atatcaatat agtatatttg gcgactttat gataagttct tatgatagat 120
gttcaaaact ctgctcaggt gacatttttа tggatccaca tagtttttgt catatatgaa 180
aagaaagcat tgagttgtgc agatggttaa atgtgcattg agttatttct ctggaatttg 240
catgagaatg gaccgacttg tagttgtatt aacttttcta gtgcccaggt tagaaagttt 300
gatctgtgta gtttttaaag gcagcatcca aatcacttat attcagaaga aaatggtaac 360
agatttagaa gctgtctata ttttccccat tatccataat acatattatt ggcaatatgg 420
ttttcactct ttgttgttaa cgtatcaaca atgtgcaata gccactaata atcatttgtt 480
aatgcatgct tccaagttct gtatttgaaa atctcagact tcatatatgg taagtgatgg 540
agtaatttat aacttttatg ttgaattctt gctactttaa aaaattgtgc ttctcctttt 600
ttaaagcata tgacttactt aacagctgat agtcagttac ctggattttt agtatttttt 660
tacatcacaa aaagatttct ctgaagtttg cgcaggggtc tatttgtagg cagtttccaa 720
cttactaata agtaaggttc tgaaagttat aagttagctg tctggaatag atagtctcat 780
agaaaccagg ttgtagatgg tgatttggtt ccttgggcaa cctactgaaa cccatttact 840
atataatgtg gctgaataat attattgata gtgctatagt atttagcaac tgtctgtcaa 900
gtgattttga actctcattt tgaaatctaa ctttcatagc attatactga tgaatttttg 960
gtagtgcgat ttgacttttt ctacctccat tctaccagtt cacagcgcat tctagcagtg 1020
gaaatcaaaa aacctattga gatggaattt gggaggaaag gaggacttac tgatatccct 1080
agctgtagaa agaaagtaac tgggtatcct gtctgaaaga ggaaggatgt gatgatcttc 1140
atggctctgt tgtggagatg tatgtctgct tatacatggc aggcaaccaa ttggaggttt 1200
atatatttta aaaaataaag aaggggcggc cgggcgccgt gctcacgcct gtaatcccaa 1260
cactttggga ggccgaggcg ggcagatcac ggggtcagga gatcgagacc atcctggcta 1320
acacggtgaa accctgtctc cactaaaaat acaaaaaatt agccgggcat ggtagcgggc 1380
gcctgtaatc ccagctactc aggaggcgga ggcaggagaa tggcgcgaac ccgggaggcg 1440
gagcttgcag tgagccgaga tggctccact gcactccagc ctgggcgaca cagcgagact 1500
ccgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1544

<210> 215
<211> 1762
<212> DNA

<213> Homo sapiens

<400> 215
catgagccac tgcacccagc cgatactact atatccccat tttacagatg agcacatggg 60
caaattgagg gtaaggcact gacccatgat catacagctg agaagtggca aaggcaggat 120
ttgaacctag aacctctggc tccacacact agtaatctaa accactctcc ctacaataca 180
acatacgtgg taaagatgtg tggtgggcac gcaatcaacg taggtccctt cacagttgct 240
gggagaggca ggaatttgca gttcctccgc gttctcctcc tccgctgccc acctgtcctg 300
ggtcattcct gcagcctgcc ctgccctgcc tggtctcacc ctccctctgc caacagaagt 360
ctgggcaggg ttttatgggc tctgataagg ccctggcagg gccgaagttc atgagcactt 420
cctctttgca ggagggcgta ggggagggga cccaggtgat ttgggtcctg gctggtcacc 480
agggaagctg gcaagggaag ggagactagg gtgcgctcta ggagaagccg acagcctgag 540
agtcccagaa gaggagccct gtggaccctc ccctgccagc cactccctta ccctgggtat 600
aagagccacc accgcctgcc atccgccacc atctcccact cctgcagctc ttctcacagg 660
accagccact agcgcagcct cgagcgatgg cctatgtccc cgcaccgggc taccagccca 720
cctacaaccc gacgctgcct tactaccagc ccatcccggg cgggctcaac gtgggaatgt 780
ctgtttacat ccaaggagtg gtcagcgagc acatgaagcg gttcttcgtg aactttgtgg 840
ttgggcagga tccgggctca gacgtcgcct tccacttcaa tccgcggttt gacggctggg 900
acaaggtggt cttcaacacg ttgcagggcg ggaagtgggg cagcgaggag aggaagagga 960
gcatgcccct caaaaagggt gccgcctttg agctggtctt catagtcctg gctgagcact 1020
acaaggtggt ggtaaatgga aatcccttct atgagtacgg gcaccggctt cccctacaga 1080
tggtcaccca cctgcaagtg gatggggatc tgcaacttca atcaatcaac ttcatcggag 1140
gccagcccct ccggccccag ggacccccga tgatgccacc ttaccctggt cccggacatt 1200
gccatcaaca gctgaacagc ctgcccacca tggaaggacc cccaaccttc aacccgcctg 1260
tgccatattt cgggaggctg caaggagggc tcacagctcg aagaaccatc atcatcaagg 1320
gctatgtgcc tcccacaggc aagagctttg ctatcaactt caaggtgggc tcctcagggg 1380
acatagctct gcacattaat ccccgcatgg gcaacggtac cgtggtccgg aacagccttc 1440
tgaatggctc gtggggatcc gaggagaaga agatcaccca caacccattt ggtcccggac 1500
agttctttga tctgtccatt cgctgtggct tggatcgctt caaggtttac gccaatggcc 1560
agcacctctt tgactttgcc catcgcctct cggccttcca gagggtggac acattggaaa 1620
tccagggtga tgtcaccttg tcctatgtcc agatctaatc tattcctggg gccataactc 1680
atgggaaaac agaattatcc cctaggactc ctttctaagc ccctaataaa atgtctgagg 1740
gtgtctcatg aaaaaaaaaa aa 1762

<210> 216
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<400> 216
gggtaaatga gtgccagggc cggcaagccc ccgctccccg ggctctcggg gtcgcgcgag 60

gatgcttggc acgtaccccg tgtacatact tcccgggcgc ccagcatgga aataaagcac 120
ccascrctgc cctgggcccc tgcgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg ggccgntnta 240
aaaggttccc tcg 253

<210> 217
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 217
ccccagcggg cgcgggccgg agcacgggya cccagcatgg gggtactgct cacacagagg 60
acgctgctca gtctggtsct tgcactcctg tttccaagca tggcgagcat ggcggctata 120
ggcagctgct cgaaagagta ccgcgtgctc cttggccagc tccagaagca gacagatctc 180
atgcaggaca ccagcagact cctggacccc tatgtaagca cctgggccct tgtggcatct 240
gagtctcaga gaactatggg gttaggaagg gagtgagaag cagggaggac aggcctagcc 300
ccactccata tggccaggtc ggggaactga gtcgctatgt tattccagcc ttaaccctga 360
ggagctaagg ctggccctcc agctttcctа gctctgtggt cccggggcgg gactccggac 420
accatcacca tgctmactgc ttactcagtg tgtttcctgc acacctgcca ngcttctggt 480
ctaggcaatg ggacgtagca gtgaagcaag a 511

<210> 218
<211> 2945
<212> DNA
<213> Homo sapiens

<400> 218
ggaattccaa ctatggcctg ctgcctgttt ttggctggtg agctaagaat gatttttaca 60
tttttaaatt attggaaata tcaacaccgg aattatattt catgatatgt gaaaattaca 120
tgaagttcaa atctcagtgt ctagaaataa agttttattc gcacacagcc tgctcatttg 180
tttacctatt gtgcatggcc actttcacat tacagtggca gagttgaaca gctgctgcag 240
agactagcca caaaactaat aacgtttact gcttggccct tacagaactt tgccgagccc 300
tcatttaaag taatagattt aaacagtctc cataagcagc tgctggcttt gaaggtaggt 360
gcagccacta gtgcttttct tggcagattc attgccaagg aacagtttgt taagtaattc 420
ccttgttttg tgtgccaggc tccataaaga aagggttctc acgctcaaat atatgggcaa 480
tacctcatgc tatgtatgta tatgtgattt atttctctct agggaacaaa cctgtataat 540
tgcttaatgt agtctcctta aaaggtagaa aagggctctt tggtcaaata attgtaggaa 600
aaagattgac aatcacagtg ctgagaaggc ctccaataga gaagttggtt tagttgttcc 660
tcgatctccc acctcctcct tttgagctca gccttttaga aattaatcat tgcctcctct 720
tcttgccccc gagtggaagg gatgaggccc atgggctttg tatccctagg aggagaaaga 780
gccagtaagt gaggagcttt taaagccctt tctttgtggg aggggccaca aggggccagg 840
tctcttaggg ctgagaaagc caaggccagc atttctcaga gtgctgtcag gactgtctgc 900
ctcagaatca tctaagggac cagctaaaac agactctggg gccatttcag actcactggg 960
cagtagagct caggaatctg catgatgttg ctgacgaaag cttaggttgg atttcctctt 1020
ggtgtccccc cccaagagct tgaagatcct gtctccttcc tcctctgtcc caacctggct 1080
tggatatttg ttgaatgaat aataacacct gccacttatc agtgtttatt gggtgctgag 1140

ctgatctcat tggatttttt ttttttcttg agacagagtc ttgctctgtc acccagtcac 1200
ccaggctgga ttgcagtggt gtgatctctg ctcactgcac cctctgcctc ctgggttcaa 1260
gtgattcctt ctgcctcagc ctcccgaata ggtggggcta cagacacacg ccaccatacc 1320
tggccaattt ttgtattttt atagagacgg ggtttcgcca tgttggccag actggtctcg 1380
aactcctgac ttcagctgat ccacatgcct aggcctcaca aagtgctgga attataggtg 1440
tgagccaccg tgcccggcct gatctcattt ggatctttgc agcaatttga tgaattgggt 1500
gttctcgtta tccccaggtg acaggcaact gaggcccaga agaaggttgg taatatgtta 1560
atgagttaag acatagcgcc agggttcatg tgggtgaggg tctgacacca gacagatgaa 1620
gggtcgtcgg ctacagtgac ttgagtaccc gagctgggcc agatttggac ccgatggtgt 1680
gaggaacctc cacccctcta atgctggcag aaaggagttt ggggagggca ggggctggag 1740
gaggatggtc ttcgccttgt tcaaggcagg cagcagcctt ttccctctca cggtgggcaa 1800
gtttctctgc tgcccgagtc cctgggcctc ggagcactaa ggctggccac ctgctaggtg 1860
ggaaggcccc aaacggcttc tcatcctgcc tgcctccact cctaccagaa tgacctcacc 1920
tggcagggag ggtggcccca gggccctgtc agctctgttc ctgccagcca ggagggtcct 1980
ggagtccctc ccaagcctgc cgcaagccca gagggcacat ccaagaggca agtgtaagct 2040
cctgtttcct tcatcctcag cagcacaaag ctctggaggc tggaaggcag caggcagggc 2100
cagaaggtat tttcatcttt cctggaactg cgttaaaggg ccctgggcag tgaaggagcc 2160
agagccattt cctgcgtgct tacagcatgc caggtgcctg gccacacact gcccacagga 2220
tcagcttgaa ccctcagcag ccccgcctgg tagggccagc cgtcctccca tttcacagat 2280
ggagccgtag gggctctcct caaaagtcac acagttagga gatagccaaa ttcaaatcgt 2340
ggtgcatcca tccccgtcca gggctcgttt cttacctacc ttgccccccc gctaactcgg 2400
acacctcttg agtttggcat ccaagagcag aacctggatc ccgggggagg gaggcacagg 2460
gaggcgtgaa ggatgggaac cagcctcccc tgggctgctt gggccggctt ccccccttgcc 2520
agttctgctg cccttaactg cggccttggg caggggggcgt aacctttgca ggtgacgctt 2580
gggtctccct gttggaagac cggcaagatg ccgtgtactt actttaagaa gcaaatgaag 2640
gttgggcgcg gtgctcacgc ctgtaatcct agcactttgg gaggccgagg tgggcggatt 2700
acttgaggtc aggagttcaa gacctgccca accaacatgg tgaaaccctg tctccactaa 2760
aaacacgaaa attagctgga tgtggtagta ggctcctgta gtcgcagcta ctcgggaggc 2820
tgaggcagga gaatcacttg aacccgtggg ggcagaggtt gcagtgagcc aagatcgtgc 2880
cactgcactc cagcctggat gacagagtga tactccatct caaaaaaaaa aaaaaaaaaa 2940
aaaaa 2945

<210> 219
<211> 445
<212> DNA
<213> Homo sapiens

<400> 219
ggtaccgggt ccggaattcc cgggtcgacc cacgcgtccg ggaactgtga cttccccacc 60
ccaaattcta tggccggcta atgttttgct atggtgacta tcacccatct acctggaagc 120
accagaatgg cttagtacag ctagggagct cagccagatc tcggtgtctg ctgtttgaga 180
ttgtgtggaa ggactattgc taagaagcag gagacagact gaacccagtg ttggccacaa 240
gtgaggactg agacccaggt cacctcttgg ctgaacatgt tagcttgttg gtaaatggct 300
ctgcagtggt tctgcatttt agtggggaat ttgttttggt tcattttggc attcccgcaa 360
ccatcttgtt ggtttttgg taaaatgtgg caccccytcc agacctytta gctgtggaam 420
tgagrtattt tagcagggtc ccgtt 445

<210> 220
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<400> 220
cctttaaata atgaataata gtgatagaaa atgtcatttc ttggacaaat gaaaaattga 60
aattaatgta tataattaga tattattagc tactcttagg tagcttcatt tgttgaaagt 120
ttgacaagtg aatgaagttc acatctggaa atcgttgaac atttttcgtt catggaactc 180
aatggctacg ttagtcgttt atgcttttca ctgttgtggt aggggctttg gaagtaaatg 240
ccatcaacaa tggatacaga agacctggat ttggaataag ggcaaaattt atttgatggg 300
gctgaattgc tctgccagga gcatttggta tgagatgaaa tggctctctt gagactgagc 360
tgccacctgg gcaatattgg ccgctaaggg tctctttatt cnccttactt ggacttnctt 420
tcctggaggg aatctcccga aaaaggaaac tttccttccc caggggggcc ccaatggttn 480
cnagggctgg cttcaaaatg ggttccccaa ctggtggcat ca 522

<210> 221
<211> 1516
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1516)
<223> n equals a,t,g, or c

<400> 221
gaatgagcag gataactgtg tcctgattca tgatgtggac caaaggaaca gcgataaaga 60
tatctttggg gatgcctgtg ataactgcct gagtgtctta rataacgacc agaaagacac 120
cgatggggat ggaagaggag atgcctgtga tgatgacatg gatggagatg gaataaaaaa 180
cattctggac aactgcccaa aatttcccaa tcgtgaccaa cgggacaagg atggtgatgg 240
tgtgggggat gcctgtgaca gttgtcctga tgtcagcaac cctaaccagt ctgatgtgga 300
taatgatctg gttggggact cctgtgacac caatcaggac agtgatggag atgggcacca 360
ggacagcaca gacaactgcc ccaccgtcat taacagtgcc cagctggaca ccgataagga 420
tggaattggt gacgagtgtg atgatgatga tgacaatgat ggtatcccag acctggtgcc 480
ccctggacca gacaactgcc ggctggtccc caacccagcc caggaggata gcaacagcga 540
cggagtggga gacatctgtg agtctgactt tgaccaggac caggtcatcg atcggatcga 600
cgtctgccca gagaacgcag aggtcaccct gaccgacttc agggcttacc agaccgtggt 660
cctggatcct gaaggggatg cccagatcga tcccaactgg gtggtcctga accagggcat 720
ggagattgta cagaccatga acagtgatcc tggcctggca gtggggtaca cagcttttaa 780
tggagttgac ttcgaaggga ccttccatgt gaatacccag acagatgatg actatgcagg 840
ctttatcttt ggctaccaag atagctccag cttctacgtg gtcatgtgga agcagacgga 900
gcagacatat tggcaagcca ccccattccg agcagttgca gaacctggca ttcagctcaa 960
ggctgtgaag tctaagacag gtccagggga gcatctccgg aactccctgt ggcacacggg 1020
ggacaccagt gaccaggtca ggctgctgtg gaaggactcc aggaatgtgg gctggaagga 1080
caaggtgtcc taccgctggt tcctacagca caggccccag gtgggctaca tcagggtacg 1140
attttatgaa ggctctgagt tggtggctga ctctggcgtc accatagaca ccacaatgcg 1200
tggaggccga cttggcgttt tctgcttctc tcaagaaaac atcatctggt ccaacctcaa 1260
gtatcgctgc aatgacacca tccctgagga cttccaagag tttcaaaccc agaatttcga 1320
ccgcttcgat aattaaacca aggaagcaat ctgtaactgc ttttcggaac actaaaacca 1380
tatatatttt aacttcaatt ttctttagct tttaccaacc caaatatatc aaaacgtttt 1440
atgtgaatgt ggcaataaag gagaagagat catttttaaa aaaaaaaaaa aanttcnggg 1500
gggcccgnnc caattn 1516

<210> 222
<211> 1387
<212> DNA
<213> Homo sapiens

<400> 222
acagttggct atgttggtgc cgacctgaca gcactctgta gggaggctgc catgcatgcc 60
ctccttcata gtgagaagtt ccaggtttga ccataagcac ctctcactta ggtggaccag 120
tcagctgctg tcgtcccagg gtggagccca ctgctacttc aggaggggcc tgctcaggtg 180
tagttaccac aggtgatggc tgagttcaga aacaacccag gggaagtgga aggaagaaag 240
gcaaaaagca tgaagggaca gacaactggg aagaaccagg acaatcctgt gattgatgaa 300
atagacttcc ttgaagcttt taaaaatatt cagccctcat cgtttcgaag cgtcattgga 360

ttaatggata tcaagcctgt tgactgggag gagattggtg gccttgaaga tgtaaaactg 420
aagttaaaac agagcattga gtggcctctg aaattcccct gggaatttgt tagaatgggc 480
ctgacacaac caaagggagt tctcctctat gggccccctg gatgtgctaa aaccactctg 540
gtgagggccc tggccacaag ctgtcactgc tctttcgttt cagtgagtgg agctgatctg 600
ttttcaccgt ttgttggaga ttcagaaaaa gtgttgtctc agatatttcg acaagcaaga 660
gcaagcactc cagcaatttt gtttttggat gaaattgatt caatcttggg agctcgctca 720
gccagcaaga caggatgtga tgttcaagaa cgagttcttt ctgttctcct gaatgaatta 780
gatggtgttg gacttaagac aatagagaga agaggaagta aatcaagtca acaggagttt 840
caagaagttt ttaaccgaag tgtcatgatt attgcagcaa caawtagacc tgatgtgtta 900
gatactgctt tgttacgacc tggaagatta gataagatca tctatatccc acctccagat 960
cacaagggca ggctttctat tttaaaagtc tgtacaaaaa ccaggccaat agggcctgat 1020
gtctccttag aaaacctcgc agcagaaacc tgtttttttt ctggagctga tcttagaaac 1080
ctctgcacag aagctgcttt gctggctctg caagaaaatg gactagacgc aactacagtg 1140
aaacaagagc actttctaaa atcacttaag actgtaaaac cgtcgttaag ttgcaaggac 1200
ttggctttat atgaaaactt atttaagaaa gaaggatttt ctaacgtgga aggtatttaa 1260
aaatcacctt aaactcttgt tcagttcaca ttaattgaaa tgtgaacttg cctgtcgttt 1320
gcaacttcac acttttagaa tttgtgttta tatttcctgt aagtgaataa ataaaacaaa 1380
acaaaac 1387

<210> 223
<211> 1506
<212> DNA
<213> Homo sapiens

<400> 223
gaattcggca caggtgggta gaggtgatgc agtgctgaag acctgggccc ctgctcagtg 60
cctttgctct agaatgggtc cagcttggct ttggctactg ggaacaggga tcctggcctc 120
tgtccactgt cagccccttc ttgcccatgg agataaaagt ctgcaggggc ctcaaccccc 180
caggcatcag ctctcagagc cagcccccgc ctaccacaga atcacaccca ccattaccaa 240
ttttgctttg cgtttgtata aagagctggc agcagacgcc cccggaaaca tcttcttctc 300
gccagtgagc atctccacca ccctggccct gctctctctt ggggcccaag ctaacacctc 360
agctctgatc ctggagggcc tgggattcaa cctcacagaa acccctgaag ccgacatcca 420
ccagggcttc cggagcctcc tccacaccct tgccctgccc agccccaaac tcgaactaaa 480
agtaggaaac tccctgttcc tagacaagcg actaaagcct cggcagcact atttggacag 540
catcaaggag ctttatggag cttttgcttt ttctgccaac ttcacagatt ctgttacaac 600
tgggaggcag attaatgact atttgagaag gcaaacatac gggcaagtcg tggactgcct 660
cccggagttc agccaggaca cgttcatggt tcttgccaat tacatcttct tcaaagccaa 720
gtggaagcac cctttcagtc gctaccagac ccagaagcag gaaagtttct ttgtggatga 780
gaggacttct ctccaggtcc ccatgatgca ccaaaaggaa atgcacagat tcctctatga 840
ccaggatttg gcttgcaccg tcctccagat agaatacaga ggaaatgcct tggcgctgct 900
ggtcctccct gacccgggga aaatgaagca ggtggaggct gctctgcagc cacagaccct 960
gagaaaatgg ggccaattgc tcctgcccag tctgttggat ttgcacttgc caaggttttc 1020
aatttctgga acatataacc tggaagacat acttccccaa attggtctca ccaacatact 1080
caacttagaa gctgacttct caggagtcac tgggcagctc aacaaaacca tctccaaggt 1140
gtcacacaag gcgatggtgg acatgagtga gaaggggacc gaggccgggg ctgcttcagg 1200
cctcctctcc cagccccccat ctctgaacac catgtcagac ccacatgccc acttcaacag 1260
gcctttcctc ttgctccttt gggaggtcac cacccagagc ttactcttcc tgggaaaagt 1320
tgtcaaccca gttgcagggt aaccatggtg ggaggccagg agttatctta tctcatcctg 1380
gaccaaacag ataggccaga accagcctgc atcctggggc tgctatgtgg ttcagttaat 1440
cagtgtgcca agattctaat aaagttgacc ttgggttctg tgaaaaaaaa aaaaaaaaaa 1500
aaaaaa 1506

<210> 224
<211> 896
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<400> 224
aaaagctcgg cccttaancc ttactaaagg gaacaaaagn tgganctcca ccgcggtggc 60
ggccgctcta caactagtgg atcccccggg ctgcaggaat tcggcacgag aagagcactg 120
gccaagtcag cttcttctga gagagtctct agaagacatg atgctacact cagctttggg 180
tctctgcctc ttactcgtca cagtttcttc caaccttgcc attgcaataa aaaaggaaaa 240
gaggcctcct cagacactct caagaggatg gggagatgac atcacttggg tacaaactta 300
tgaagaaggt ctcttttatg ctcaaaaaag taagaagcca ttaatggtta ttcatcacct 360
ggaggattgt caatactctc aagcactaaa gaaagtattt gcccaaaatg aagaaataca 420
agaaatggct cagaataagt tcatcatgct aaaccttatg catgaaacca ctgataagaa 480
tttatcacct gatgggcaat atgtgcctag aaatcatgtt tgtagaccct tctttaacag 540
ttagagctga catagctgga agatactcta acagattgta cacatatgag cctcgggatt 600
tacccctatt gatagaaaac atgaagaaag cattaagact tattcagtca gagctataag 660
agatgataga aaaaagcctt cacttcaaag aagtcaaatt tcatgaagaa aacctctggc 720
acattgacaa atactaaatg tgcaagtata tagattttgt aatattacta tttagttttt 780
ttaatgtgtt tgcaatagtc ttattaaaat aaatgttttt taaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 896

<210> 225
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 225
ggaggaacct ccagtctcag caccatgaat caaactgcca ttctgaattt gctgccttat 60
ctttctgact ctaagtggca ttcaaggtaa gggncatcaa agggtacttg aatttgtaag 120

atgagat 127

<210> 226
<211> 1949
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1540)
<223> n equals a,t,g, or c

<400> 226
ctgagaggca ggtagctgcg gcgcagggct gacggcggcg agtccacgtg ctccccgcgg 60
ccggttgaaa ccgttggcgg gcgctggctg agaggcaatg tttgctgtct tccattggag 120
tgactgaatt tctacatgac ggctttttga caagacttaa aacctgtctt ggatagagaa 180
tatttagcca tttacctaaa aatggtattt tttacatgca atgcatgtgg tgaatcagtg 240
aagaaaatac aagtggaaaa gcatgtgtct gtttgcagaa actgtgaatg cctttcttgc 300
attgactgcg gtaaagattt ctggggcgat gactataaaa accacgtgaa atgcataagt 360
gaagatcaga agtatggtgg caaaggctat gaaggtaaaa cccacaaagg cgacatcaaa 420
cagcaggcgt ggattcagaa aattagtgaa ttaataaaga gacccaatgt cagccccaaa 480
gtgagagaac ttttagagca aattagtgct tttgacaacg ttcccaggaa aaaggcaaaa 540
tttcagaatt ggatgaagaa cagtttaaaa gttcataatg aatccattct ggaccaggtg 600
tggaatatct tttctgaagc ttccaacagc gaaccagtca ataaggaaca ggatcaacgg 660
ccactccacc cagtggcaaa tccacatgca gaaatctcca ccaaggttcc agcctccaaa 720
gtgaaagacg ccgtggaaca gcaaggggag gtgaagaaga ataaaagaga aagaaaggaa 780
gaacggcaga agaaaaggaa aagagaaaag aaagaactga aagttagaaa accaccaggg 840
aaaactccaa gggattcaga agcctaagaa gcgcaaaaag ggacaggagg ctgaccttga 900
ggctggtggg gaggaagtcc ctgaggccaa tggctctgca gggaagagga gcaagaagaa 960
gaagcagcgc aaggacagcg ccagtgagga agaggcacgc gtgggcgcag ggaagaggaa 1020
gcggaggcac tcggaagttg aaacagattc taagaagaaa aagatgaagc tcccagagca 1080
tcctgagggc ggagaaccag aagacgatga ggctcctgca aaaggtaaat tcaactggaa 1140
gggaactatt aaagcaattc tgaaacaggc cccagacaat gaaataacca tcaaaaagct 1200
aaggaaaaag gttttagctc agtactacac agtgacagat gagcatcaca gatccgaaga 1260
ggaactcctg gtcatcttta acaagaaaat cagcaagaac cctaccttta agttattaaa 1320
ggacaaagtc aagcttgtga aatgaacatt tgtgtattta aaaattgaat ccattctgct 1380
gacttcttcc tttcactget gtttataaaa tgtgtaatga attctaacaa ctcaaatttt 1440
gctttttgaa gctgtatttt taagtnaaga aaatatattt ttggtataac ttttatgaga 1500
aaaataaaat atattctggt ccaaacttct aaaaaaaaan ataaaaaaaa aagggcggcc 1560
gctcgcgatc tagackaggg atctttgtca cgtgggtttg ttttctgtct ccgtgcctcc 1620
ggcttcccaa agagatccag gtctttgcgt ttccagggcg tggggacccc ggccccctat 1680
gccgccacgc cgccacaccg cctcaccctg gcttctgtgc tacttggcag ttccatttca 1740
ttatttattt tttgtgctgc tttttatcat gatataaatt attgaaaaca gatcacatgt 1800
gggcccgtgt ctggccgccg ccgccctgcc ccgtcctgcg gccaccacct aatttattgc 1860
cgtgcgtcct gctgctgtga ctgcttttgt acctttgcaa taaagaattt tctggtttca 1920
gaaaaaaaaa aaaaaaaaaa aaaaaaaaa 1949

<210> 227
<211> 1179
<212> DNA
<213> Homo sapiens

<400> 227
acccacgcgt ccgcccacgc gtccgcccac gcgtccgccc acgcgtccgg gtggcatgtc 60
ggtcaggcac agcagggtcc tgtgtccgcg ctgagccgcg ctctccctgc tccagcaagg 120
accatgaggg cgctggaggg gccaggcctg tcgctgctgt gcctggtgtt ggcgctgcct 180
gccctgctgc cggtgccggc tgtacgcgga gtggcagaaa cactcaccta cccctggcgg 240
gacgcagaga caggggagcg gctggtgtgc gcccagtgcc ccccaggcac ctttgtgcag 300
cggccgtgcc gccgagacag ccccacgacg tgtggcccgt gtccaccgcg ccactacacg 360
cagttctgga actacctgga gcgctgccgc tactgcaacg tcctctgcgg ggagcgtgag 420
gaggaggcac gggcttgcca cgccacccac aaccgtgcct gccgctgccg caccggcttc 480
ttcgcgcacg ctggtttctg cttggagcac gcatcgtgtc cacctggtgc cggcgtgatt 540
gccccgggca cccccagcca gaacacgcag tgccagccgt gccccccagg caccttctca 600
gccagcagct ccagctcaga gcagtgccag ccccaccgca actgcacggc cctgggcctg 660
gccctcaatg tgccaggctc ttcctcccat gacaccctgt gcaccagctg cactggcttc 720
cccctcagca ccagggtacc aggagctgag gagtgtgagc gtgccgtcat cgactttgtg 780
gctttccagg acatctccat caagaggctg cagcggctgc tgcaggccct cgaggccccg 840
gagggctggg gtccgacacc aagggcgggc cgcgcggcct tgcagctgaa gctgcgtcgg 900
cggctcacgg agctcctggg ggcgcaggac ggggcgctgc tggtgcggct gctgcaggcg 960
ctgcgcgtgg ccaggatgcc cgggctggag cggagcgtcc gtgagcgctt cctccctgtg 1020
cactgatcct ggccccctct tatttattct acatccttgg caccccactt gcactgaaag 1080
aggctttttt ttaaatagaa gaaatgaggt ttcttaaagc ttatttttat aaagcttttt 1140
cataaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 1179

<210> 228
<211> 1958
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1300)

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1327)
<223> n equals a,t,g, or c

<400> 228
aattcccggg tcgacccacg cgtccgcagc tccctctctc cctctggccc agtcccttcc 60
gcttgtgtcc gggaagctgt gggcggtgat ttaacatgac tcacttgggg gcataggcgc 120
tatgaagttc agtggctggg tgccaggtgg cgccaatgac acccttttc tcagagcccg 180
ggctgaatgg acacctccct caaagccttc cagacccagg gttacggccg ttcccagaga 240
catgttcccg tgctgctggg cacacctgca gaggggaggg aaggtcctgt gtttgctggt 300
gctgctcgtc ctctcacttc ctaccgagca tcatgttgca aacaaatgac cttggcacca 360
ccgttttgca aatngtnctt tcttgggctt tacttttgg tctatgtgag caaaatgaac 420
tgaagtcaag gtacgactcc caataacctg ctgtgggatg agagggcttt gtcattatgc 480
atctgattag ttatccacgc ccagagctac actttctcga tgcttctcag ctctgactct 540
cacagggcca gggagaaatt tttgtgcccc ctaaatcatg tagttggata caaaacattc 600
cctggaggcc taccattctc aaatccccgt gcagggctct gtggggtgca acatgaaact 660
cgctctaact ccctacgtgg aggacagaca gacccatcct aactccaaag ccagacacaa 720
gggacaaagg taccaaaaag gtgcaaggtg caagaatgga cgacgctggt cttccaattt 780
gctggaatat ctgtgcggct agaatggtgt cttgtcagca tatatcaagc atcttgccct 840
tgctctgtcc tgcctggcca caaaggacac tcagacaaca ccggcctcat aaatgctgcc 900
tggagaaaag cctagctagg tacggagggt cagggtattt cagaaaagag aaactgcttc 960
agccaatgct catgagattt accagggaat agcaaacaag tctagtgcaa gccagggttg 1020
ggggagtggg agggtgatta gcagagatca atctagaaag gaggtcaagg ttctgtaggt 1080
ggggaaagag ggtgcttgtg tattaaaact tgttttccag cagtttggag atttctcaca 1140
gaactaaaaa tagaactacc attcatccca gcaatcccat tactaggtat atactcaaag 1200
gaaaacaaat tgttctatca aaaagacacc tgtactccta tgtntatcgc agcactattc 1260
acaatagcaa agacatggag taaacccagg tgcccatcan cggtgaactg nataaagaaa 1320
atgtagncat atgcctacca tggaatacta cgcagctgta aagaggaaag aaatcatgtc 1380
ctttgcaaca acatggatac agctggaggc cattatgcta agtgaattaa tgcagaaaca 1440
gaaaactaaa tatcacatgt tcttatttgt aagcagaagc taaatattgg gtgcacacag 1500
gcacaaagat gggagcaata aacactgggg attccacaaa gggagcaggc agagggaagg 1560
gttgaaaaac tacctatcag gtcctctgtg cactacttgt gagacagaat cattagaagc 1620
ccaaacctca gcatcacaca atatacttat ataacaaacc tgcacattga cccctgaacc 1680
taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gggggggggg 1740
ggggaagaag tggggtggga cgacagtgaa atctagagta aaatcaagct ggcccaaggt 1800
gtcctgcagg ctgtaatgca gtttaatcag agtgccattt ttttttttgt tcaaatgatt 1860
ttaattattg gaatgcacaa ttttttaat atgcaaataa aaagtttaaa aacttaaaaa 1920
aaaaaaaaaa aaaaaaaagg gcggccgctc tagaggat 1958

<210> 229
<211> 1751
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1741)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1742)
<223> n equals a,t,g, or c

<400> 229
aattcccggg tcgacccacg cgtccgacaa cttttcttta gaaccacatt attggtcata 60
atccttgtta ctgtcatgag gattgttgca tgggttaaac acaaacacag actagcaatg 120
cacttgaaca aacctggtgg tctttggaaa taaatcacca ttagatttca cctggttatg 180
ctgcatccca taagttccaa atgaatcacc tgcttatcct attaacgaag catttaattc 240
acacacaaat gcttgaattt cccctgtata aatgtagtca tgcgattcaa cttttctaat 300
aagatttgtg aatgctgcat catgatgaaa atgtggatta actgtgggtt gcatgcctgt 360
tgttcatact tcagtgatgg tcacacacaa aacaagatga gttttactta ggtgaaacat 420
tattaaactg tactaacaat acagaaacat attctctttg tcgcttttta tcaccaaaac 480
tgaatggcaa atatgtcttg acattacttg gatgaactgt ggctagcaaa atggaattaa 540
cttagccact ataatttttt aaaacattaa agtttctaaa ttgtttttgg gggccgagta 600
acgcagagtc aataaaggtg gttatattgt aagcttttag atggtgctta agaattctta 660
tcttttaaa tagcagtatt tttttttaa gaataaattg taaggagcaa ataaggcaga 720
atgccactct accctcaggt caatttttatg gtatatgaaa atgccagtaa tatttgtgcc 780
acttgccaac tcgggggagg aggggctttt cccttactgg atacttttgt tatagtttga 840
ctatgtcatt atgttgttta gagagcctcc acaatgagaa gttgccactg cagggctaac 900
tcgccttcag aaataatcag aatgattcaa gggtcaaacc actttcatcc cttaaaatat 960
agggactaat atttcttttt ctttttttta aaaaaaacat ttcttctgtg gcttagaaat 1020
gtgccagtgt gttcaaaaca tttacaccaa tttcaccaga tttaggacct attaaaaatt 1080
caaacaagtt tctttttttt ttttttttc tgtgtaacag ggatttttaa ataacggact 1140
atatgcattc ttttgttatt tcacacttca gttaaagtga taacaatggt aaactgtgat 1200
cattatcaga ctgactgaat gctttctgat ttccagtgag tgatctagtt ctacgtatta 1260
cacaggtgta atatctgtga gtgtaaataa ctggaactgt acactgatta acatgacagt 1320
ttctcttttg ttgttcttat ctgtactgta ttatagtatg tgggtataaa tatctacaag 1380
tatacacaca tatgtacttg tattccacta ttgtaacctg aaagaaagac tatgtattcc 1440
ctttttttaat tccgtactgg tatttgtgtt atttaaaaag caaaattctg ctctatttag 1500
ttgtataata ttagaggata ctttgctgtg cacaattcca agtgccttag aacattgttt 1560
agctttccta agtatatata aatgcatata tgtataaaat tgggaaaagt tacctcaata 1620
aaatcattgg gaaatcccaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1740
nnaaaaaggg c 1751

<210> 230
<211> 2153
<212> DNA
<213> Homo sapiens

<400> 230
ccattctaag gaagagccct tctttccacc ccctttattt acttatttat ttctctctct 60
ttatatcatt atgaactcag ggattcttaa tttatgtact tattttgatg cttaaattgt 120

cccatatgtg gtctgtgagc cacccttaac actggttcct ttgctctttg atatgcctac 180
atcatttttt tagtactttt ttgttttcta gcaaaagttg tttgaagctt accatactgt 240
atttttttat tgtggtaaaa tatactttaa cattcaagtt acctttttaa agcgtgtggt 300
tcagtaacat ccagtgcagt tgttcctcag tatccacggg ctgttggttc caggactccc 360
acagatacta aaattcacac tcaagtccgt tattttatat aagtgtgaga tcttagataa 420
cctatgcata ctctcccata tactgtaaat aatctctaga tgatttgtaa tacctaacaa 480
atgctgtgta aatagttgtt acactgtatt gttaacagta cagtaacaga cctgtctgtt 540
cagattcttc ctggcctttt aggggatcac tgacaaaaaa acttagtgca tgttcagtac 600
agacaaccat cctttttttg ctttcgaata tttttgacct gagattggtt gaatccatgg 660
ctgtggaacc catggacaca gaaggccagt ggtacattta cagtgttaca gagctgtcac 720
ccctgtcgat tccagaattt ttccatcatt ccattagcag ctcctcccca gcctgctctg 780
ctccggaccc cggcagccac tatctgcttc ctgtctctgt ggatttgtct acattagata 840
gttcacagaa atggaatcac aatatgtgag cttttgtgtc tggcttcttt cacttagcgt 900
gctgttttca aagtccatcc gtgctgcacc atacatgagc gctttattcc atccatgctg 960
taccatacat gagcgcttta ttccatccat gctgtgccat acatcagcgc tttattccat 1020
ccatgctgtg ccatacatca gcgctttatt ccatccatgc tgtaccatac atgagcgctt 1080
tattccatcc gtgctgcacc atacatcagt gctttattcc ttttctggct gaataacatc 1140
acattgtatc gataggtcac atctggtttc tccattcacc aaacattggg catttgggtt 1200
atttccacct tttggccgct gtgaataatg ctgctatgaa catgggtgta caagttttag 1260
tttgaacacc tgcggtcact tattttgggg tatatacctg ggagtggaac tgctgggtca 1320
tgcagtaact tgaagtttaa gttactgagg aattgccgga ctgtttccca cagtggctgc 1380
agcagctttt attccagtta gcaatcacga gagcttccca ccttctcacc tacacctgtg 1440
atctgcctct ttcgttgtag ccatccctgt ccatatgagc tggtctctca tcttgccgtg 1500
atttgcattt ccctgatgac tgttgatgtt gagcatcttt tcatgtcctg attgaccatt 1560
tgcgtatctt ctttggagaa atgtctgttc acgtgctttg cctagttttt aaccgggctg 1620
tttatctttt gttattaagc tataagagct ctttatattc caaatgctag acccttaaca 1680
gatctgtgat ttgcaagtat tttctcccat tctgtgggct atctttttac tttcttgata 1740
gtgtgcttct acaaaagttt ttaattatgg taaaatcaca tttatttttct cttttgtaac 1800
ttttggtgtc atgtctgaga aaccattgcc aaatcaagat cacaaaaaat tgacgaggcc 1860
aggtgcagtg cctcacacct gtaatctcag aactttggga agccaaagat cacttgagcc 1920
caggagttag gaacagccta gacgacatgg taaagccccg tctctacaaa aaatagacag 1980
attagccgca tgtcgtggtg tctgcctaca gacccagcca ctcaggaggt tgaggtggca 2040
ggattgcctg agtctgggag gttaaggctg cagtgagctg tgatggagcc gctgtactcc 2100
atcctgggca acagagtgag atccgagacc gtgtctcaaa aaaaaaaaaa aaa 2153

<210> 231
<211> 1360
<212> DNA
<213> Homo sapiens

<400> 231
ccacgcgtcc ggaggggcag agcctgcgca gggcaggagc agctggccca ctggcggccc 60
gcaacactcc gtctcaccct ctgggcccac tgcatctaga ggagggccgt ctgtgaggcc 120
actacccctc cagcaactgg gaggtgggac tgtcagaagc tggcccaggg tggtggtcag 180
ctgggtcagg gacctacggc acctgctgga ccacctcgcc ttctccatcg aagcagggaa 240
gtgggagcct cgagccctcg ggtggaagct gaccccaagc cacccttcac ctggacagga 300
tgagagtgtc aggtgtgctt cgcctcctgg ccctcatctt tgccatagtc acgacatgga 360
tgtttattcg aagctacatg agcttcagca tgaaaaccat ccgtctgcca cgctggctgg 420
cctcgcccac caaggagatc caggttaaaa agtacaagtg tggcctcatc aagccctgcc 480
cagccaacta ctttgcgttt aaaatctgca gtggggccgc aacgtcgtgg gccctactat 540
gtgctttgaa gaccgcatga tcatgagtcc tgtgaaaaac aatgtgggca gaggcctaaa 600

catcgcctgg tgaatggaac cacgggagct gtgctgggac agaaggcatt tgacatgtac 660
tctggagatg ttatgcacct agtgaaattc cttaaagaaa ttccgggggg tgcactggtg 720
ctggtggctc ctacgacgat ccagggacca aaatgaacga tgaaagcagg aaactctttc 780
tgacttgggg agttcctacg caaaacaact gggcttccgg gacagctggg tcttcatagg 840
agccaaagac ctcaggggta aaagcccctt tgagcagttc ttaaagaaca gcccagacac 900
aaacaaatac gagggatggc cagagctgct ggagatggag ggctgcatgc ccccgaagcc 960
attttagggt ggctgtggct cttcctcagc caggggcctg aaaaagctcc tgcctgactt 1020
aggagtcaga gcccggcagg ggctgaggag gaggagcagg gggtgctgcg tggaaggtgc 1080
tgcaggtcct tgccccttgt gtcgcccctt tcctcctcgg aaacaaaacc ctcccacagc 1140
mcatctaccc ggaagcccac cctcaaaggg tccttttgga accacctgtt tgtggaaaaa 1200
atggggtcct tttgtcaggg acttctgacg gctggtcctg aggaaggcca aactgcccag 1260
attgagccca attaaatttt atttttctgg ttttgaatac caaaaaaaaa aaaaaaaaaa 1320
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1360

<210> 232
<211> 1986
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<400> 232
ggcacnagcg ccgccgggcc gcagcatggg gcgcttccgc gggggcctgc ggtgcatcaa 60
gtacctgctg cttggcttca acctgctctt ctggctggct ggatcggccg tcattgcttt 120
tggactatgg tttcggttcg gaggtgccat aaaggagtta tcatcagagg acaagtcccc 180
agagtatttc tatgtggggc tgtatgttct ggttggagcc ggggccctga tgatggccgt 240
ggggttcttc ggatgctgcg gagccatgcg ggagtcgcaa tgtgtgcttg gatcattttt 300
tacctgcctc ctggtgatat ttgctgctga agtaaccact ggagtatttg cttttatagg 360
caaggggtga gctatccgac atgttcagac catgtatgaa gaggcttaca atgattacct 420
taaagacagg ggaaaaggca atgggacact catcaccttc cactcaacat ttcagtgctg 480
tggaaaagaa agctccgaac aggtccaacc tacatgccca aaggagcttc taggacacaa 540
gaattgcatc gatgaaattg agaccataat cagtgttaag ctccagctca ttggaattgt 600
cggtattgga attgcaggtc tgacgatctt tggcatgata ttcagcatgg tcctctgctg 660
tgcgatacga aactcacgag atgtgatatg aagctacttc tacatgaaaa ttgcaatcta 720
aagctttcat accaaatgtc acaggagctg tctcccagct cattttaac actgaaatga 780
cattaggatc taaaataatt tgctgtcaat tgtacatttg catgagtacg tatgtttggc 840
tcattactgg tttacccctt gagtgaatgc ctgtttatga tgactgagag catattcatg 900
tgtgatctgc gtgtttctgg aatatgcttt ataccgtaat gaaatctgtt tgctgggaat 960
tcctgattct tggtatataa gaagaacaac ctatttcgct cccagaaaaa aaagatcaaa 1020
gagctttcag aaactttgag aacttggcta tttagaaaaa gtgataatgg gtcaagtttc 1080
tcagactgta gccattgaaa attagatgca gagaattcag agatttcttc ttaatggaag 1140
taataagctg taagaattga gagatcacaa tggagtgtta aaactgactg tgtctaagtt 1200
gggtgtaagg gtttcctggg ttttttttata tacatgctct ccccagaata cagtaaacca 1260
cagttttaga actaaacaca tctgtaaaac taaatatagc atggaaaatc caatttgaat 1320
aagtcatgct ttcctagaat ttaaaaataa aaaagtcttc ctctggaaag agaagtcaca 1380
cagacaatca tgtgccctat aaaagtgagt gtttatagga ctaaaaaact tttaacaact 1440
ttttaaggaa atatttttgt tcttatacaa aaacatgtaa atattgcttt attactttca 1500
ttttctgacc ctgctgtaaa ctactgcaac cctcacatcc tcaaagggac ttttatgtca 1560

aactcttctg tttctccaaa tataaggaaa aaagactaaa gcaagagatc tggcagttga 1620
aaattgtggg aaagagaatt tgtatgggca ctgtatctat gaaatacctc ataacttacg 1680
tttacatgtt ttcctaactt tttgtatttt tcttggatag ccacctagag aattcttcat 1740
agattaagaa ctacagtttt caccacttaa cataagtaaa acaaagtcct tcataattta 1800
accattagca tctttggcca aacccaaata aagaaaagca tcttctccta gttgtgtgtg 1860
ggcaacagaa acaagttaag gaaaccaaaa tacttatata tacacaggac caaaataatg 1920
ttctttttat gcaaatcccc tgtggaaata aaattttcaa tgtttaaaaa aaaaaaaaaa 1980
aaaaaa 1986

<210> 233
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (680)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (696)
<223> n equals a,t,g, or c

<400> 233
ggattacatg tagttattga gaatcctttc gtaattcagt ggcttaatca tgtaatgtct 60
aaatattgtt gtacattagg atgtatacat gtaaattaaa gttacatntg tttagcatag 120
acaagcttaa cattgtagat gtttctcttc aaaaatcatc ttaaacattt gcatttggaa 180
ttgtgttaaa tagaatgtgt gaacactgta ttagtaaact tcatcacctt tctacttcct 240
tatagtttga acttttcagt ttttgtagtt cccaaacagt tgctcaattt agagcaaatt 300
aatttaacac ctgccaaaaa aaggctgctg ttggcttatc agttgtcttt aaattcaaat 360
gctcatgtga cttttatcac atcaaaaaat atttcattaa tgattcacct ttagctctga 420
aaattaccgc gtttagtaat tatagtgggc ttataaaaac atgcaactct ttttgatagt 480
tatttgagaa ttttggtgaa aaatatttag ctgagggcag tatagaactt ataaaccaat 540
atattgatat ttttaaaaca tttttacata taagtaaact gccatctttg agcataacta 600
catttaaaaa taaagctgca tatttttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaar gggggggggn cccccaaaaa aacccntttt ttttt 705

<210> 234
<211> 838
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (822)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (832)
<223> n equals a,t,g, or c

<400> 234
taaacccgaa gtgccaaata ataatttaaa anatgttaat ttttttggcc ncctaaattt 60
gccctttcca tccattaaaa atgtccaagt tccaagtgat atgtgcccct aatatccacc 120
ttggatgttg gtgggttttt gaatttttgg gtggttaatc cagttttatt ttgaaaagac 180
gtacttgaat agttacagca tatgtttgaa caggaagtag gaacatgcat acacgaagaa 240
atgctaacgg aaggatttgt tatgtttagg atcttccctt ggaaactaaa aatagaatat 300
taatgacatt actgtttgta gaatgacata tgcagatttt ctcataagca gtcattgtgt 360
ttgccagtaa tgtttgagag acatgtaagt tgaaagtttt gctaaattat aaagctcctt 420
taattcgttg gttttgattc tcttattctc ttgtcttttc taaatgttaa caaaatatat 480
cttaacagat tacatgaaat ttaggaatta tttaaaagtt accattagct ctaaaattaa 540
gattcggatg ctttatttat agtaactgaa gctaataatg ttttatgttt tgatttttg 600
aaatttaatt gtagaagtca ctgccttctg agttttcaaa tagataacca cctttaatat 660
tacactgctt ataatactaa tgtttacaga tatgtttctg tttataacca tataatacat 720
tggctttgtc atattagttt tttttgcaag tagttatgta aaagagatag ataataaaat 780
attaaataac aaaaaaaaaa raaaargctc gagtaarggc anagtggcat gngccata 838

<210> 235
<211> 1410
<212> DNA
<213> Homo sapiens

<400> 235
ccacgcgtcc ggtccctagg agataagagt atcttgcaca gcaggtgcag gtttcccagc 60
agctcaggca agagtccgat gtttgtgcca tctgatcctg atgtctggag agatagccat 120
gtgtgagcct gaatttggca atgacaaggc cagggagccg agcgtgggtg gcaggtggcg 180
agtgtcctgg tacgaacggt ttgtgcagcc atgtctggtc gaactgctgg gctctgctct 240
cttcatcttc atcgggtgcc tgtcggtcat tgagaatggg acggacactg ggctgctgca 300
gccggccctg gcccacgggc tggctttggg gctcgtgatt gccacgctgg ggaatatcag 360
tggtggacac ttcaaccctg cggtgtccct ggcagccatg ctgatcggag gcctcaacct 420
ggtgatgctc ctcccgtact gggtctcaca gctgctcggg gggatgctcg gggctgcctt 480
ggccaaggcg gtgagtcctg aggagaggtt ctggaatgca tctggggcgg cctttgtgac 540
agtccaggag caggggcagg tggcaggggc gttggtggca gagatcatcc tgacgacgct 600
gctggccctg gctgtatgca tgggtgccat caatgagaag acaaagggcc ctctggcccc 660
gttctccatc ggctttgccg tcaccgtgga tatcctggct gggggccctg tgtctggagg 720

BNSDOCID: <WO___0122920A2_I_>

ctgcatgaat cccgcccgtg cttttggacc tgcggtggtg gccaaccact ggaacttcca 780
ctggatctac tggctgggcc cactcctggc tggcctgctt gttggactgc tcattaggtg 840
cttcattgga gatgggaaga cccgcctcat cctgaaggct cagtgaagca gagctcgtgg 900
gattcctgct gctccaggtg tcctcagctc acctgtccca gactgaggac aggggagttc 960
ctgcatttcc tgccagggca gaggcccaga ggagcgaccc cctgcttcca ctgcttgggc 1020
ctgctttctc agatagactg actgctgagg aggctctagg ttcttggaat tcctttgtgc 1080
tcatcagaga ccccagcctg gggaacacgc tgcccgcact gcccagagag cagtgcaaac 1140
accacaacac gagcgtgttt cttgagagga atgtccccga gttggacaag gaggctgttt 1200
ctgcacatca gctcatttcc cgcaccccat ttcttgcttg attgctttgt tgggggcctg 1260
gccacttcct tgcttctcaa gctgacaatt ctcactttgc aataaatagt ccagtgtttc 1320
cttccaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1410

<210> 236
<211> 422
<212> DNA
<213> Homo sapiens

<400> 236
aaactattta gtctgtaaca gagccatatg ctgcagggct aactcacagt agaaatgggc 60
aatttcgacg cgctgtttat ctttacccag cttcaccagg cgttcggcaa catcaattgc 120
tttctgccac tcactggtag cctggtagat ttgtagcaac tgttgcagcg cgccaatgcg 180
gaagtcagtt tcatcggtca gctgattgaa catgtcttcc gcgcggtcat ataacccggc 240
ggccatgtaa tcacgcccca gttgttgaat cgccaacaga cgctgttcat aggtcagcga 300
ggcgctttcc attagggtct gatggatgcg aatagcgcgg ttcaacttcg ccacggaacg 360
ggaacaggtt ttccgagcgt aaggtgggct tcaacggtgc ccgttattcc tgttttaagc 420
at 422

<210> 237
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<400> 237
ctgtccctgc actccgtggc ggaaggcggc tagagcggct ccctctgagc tctccgagag 60
attggtcggg acctgaagcg ttgaggttaa gggcaaggca aggagcaacg aggagttttt 120
cgttacgtta gaaaaatttc gttgcgtgct gaaagcgctt ttacctgtgt tgtatgattt 180
aaccttatga aaatggacag tatttccagt tttacaagtg aggaaagaag attaagaaac 240
ttgcctccgc cangcgtggt ggttcactcc ctgtaatccc agcactttcg gcggccgaag 300
caagcggatc acttgaggtc angagttcga agaccagcct gggccaaaca t 351

<210> 238
<211> 2682
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<400> 238
gaatacccca ggatttatgt ataaaaacct gcagtgtctg gttattgatg aagctgatcg 60
tatctttgat gtggggtttg aagaggaatt aaagcaaatt attaaacttt tgccaacacg 120
tagacagact atgctctttt ctgccaccca aactcgaaaa gttgaagacc tggcaaggat 180
ttctctgaaa aaggagccat tgtatgttgg cgttgatgat gataaagcga atgcaacagt 240
ggatggtctt gaacagaaga accgaaagaa gaagcttatg gtcttctttt catcttgtat 300
gtctgtgaaa taccactatg agttgctgaa ctacattgat ttgcccgtct tggccattca 360
tggaaagcaa aagcaaaata agcgtacaac cacattcttc cagttctgca atgcagattc 420
gggaacacta ttgtgtacgg atgtggcagc gagaggacta gacattcctg aagtcgactg 480
gattgttcag tatgaccctc cggatgaccc taaggaatat attcatcgtg tgggtagaac 540
agccagaggc ytaaatggga gagggcatgc cttgctcatt ttgcgcccag aagaattggg 600
ttttcttcgt tacttgaaac aatccaaggt tccattaagt gaatttngac ttttcctggt 660
ctaaaatttc tgacattcag tctcagcttg agaaattgat tgaaaagaat tactttcttc 720
ataagtcagc ccaggaagca tataagtcat acatacgagc ctatgattcc cattctctga 780
aacagatctt taatgttaat aacctaaatt tgcctcaggt tgctctgtca tttggtttca 840
aggtgcctcc cttcgttgat ctgaacgtca acagtaatga aggcaagcag aaaaagcgag 900
gaggtggtgg tggatttggc taccagaaaa ccaagaaagt tgagaaatcc aaaatcttta 960
aacacattag caagaaatca tctgacagca ggcagttctc tcactgaaca catgccttcc 1020
tttcatcttg aataactttg tcctaaaatg aatttttttt ccccttgatt taacaggatt 1080
tttgtagact ttagaatttg gacttaccta acaagagtat aaattgactt gggttgcaag 1140
cactgagcac tgttacttct atcacgtctc tcttttattt ctgggatata aaacaggctt 1200
taagtttctt ggttgcccaa gggcagagca aggaatatct ggtgtttctt gtgatgataa 1260
tattttaatt ttaaatatcc ctccctcata caagtgtatg ttaccatttt aatataattc 1320
tttttgtacc tttccttctt gttttgtgaa gatttttgtg gcatggattg ctgtgctcac 1380
tgctgtaaaa ggtgacctag tgtactgggc agctggtggc ggtgcagaaa agagtctcag 1440
gttatttttt gtttttagtt atttcttgga ccttgacagt atctaatgac tcctcctgaa 1500
aatgctgcag tataaaagag caaagagctt tgggaaatac ctaagaagca ccttaagatt 1560
agggtggcat tgcttttata gattcttgat tttaaagcaa caggcctttc tcaggtgttg 1620
catttttgg agcaaaaact atgggttgta atttgaataa agtgtcacta agcagttata 1680
acgtttgatg gctgggggggt aggaagagga tggaattgag atgtttgagc ctcatttaca 1740
tcaatagagg tgtaatgtac tgcatttctt catttggtaa cataacaaag actttcatac 1800
aaagaacgat gatgctcctc attaagattt gtttaattca aggtggtttg gatttggtaa 1860
gcctttgcac tctgtagagt acttagaaga caagggcaac ttacttggag ttagagccaa 1920
gctgtcagac ggtgcccagc acacattaat gttagcttct ttctgagaaa aaaatacctc 1980
ttccaggccc tgaaacaaaa aatacatttg ctgtgaagat tgaaaatgaa caaagttaga 2040
aaaaaaaaca gcaaaatcag tgatttagtc agatgagttt ttcgttgtag gagcacttga 2100
tttctagtgt gttttgtaca gtatataact acaagatagt acattttgta gcagttcaaa 2160
gccaaagttg ctagcatcat tttgctgttg tgccagttaa tcataggatc ccattaaata 2220
agtgtgctaa catcgaatat agagaaaact ggtaaagaac attccagtag gaaaagaaaa 2280
gaacaatctt ccatttctgg gcttggccac catcaccctg gtcggacctg tcctggactt 2340
ccaaccttga ctgctgagct cctggcttag cttcttgggt tcctaattcc tggtgtttaa 2400

taattctctc cacgatcatg tttttctgat ttttttttc agaaataatg ttttttaaaa 2460
gacaaaaaca aagggaagaa tatttaatta ctgagcagaa gtaaatactg ttggtatttt 2520
gtacataatc taatttttat atgcatgtty atgcttttta atttttttat caaaaattaa 2580
gtcatctacc tactacttgt aaccagcttg tttcataaca tgttattttc ctgtgtcatt 2640
aaataattac ttcaatgttg aaaaaaaaaa aaaaaaaaaa aa 2682

<210> 239
<211> 2254
<212> DNA
<213> Homo sapiens

<400> 239
gataatattt aatgttgttc tgcacatctc tatacagtta acttttggc tttcattctg 60
tatagataag aaaatgttat attataaaca gcctactcag tgcaaatatt tatctgttta 120
tcaaatccac aatatgctgt ataataccgg ttttactata taatctattt tagacatagc 180
tgtttagaac tagagtgtgc tatttttgtg tttttctgat gtgtggtgct agacaagtta 240
cttttgtgaa caacaaaaat tatccctttt attcctagac aataccacct ttgggtcttg 300
ttaatttcac tgagtataac tatatatttg tatatatata catatatata tatatctacc 360
tatgcccaac tggcagctgt atcagagtgc tggatttggg acatgctttt ctctttaaat 420
acataatatc attatataaa ttattctaga gtgtatttaa ttaggataaa attacttcct 480
tagtatggat atttgacatc tatagggtga atttgtttat aaatatggct atatggaaac 540
ttattagcat ttactttatg tttgctactt ggctttacag catatctcct aagctgaaaa 600
ataatttgcc aggccttcaa gatcctaaag aaacttgttt aatggagtaa tatacttttt 660
tttcttatta aggaattgta ttactggcac ctaacacagt tgtattctta gctcctatta 720
tagataatgg gcatttacat aaaatatcct agatggcttg atggcagaat aaacctttcc 780
cctcctacct gagtcatgag aaggatggag acgtcctctg ccataacatg ggccataaag 840
caaattcgac atgggatgtt ctgtttcagt atgacctcaa ccagttccat gaactgagtg 900
aaggaccttc attttcaaag ttatttaata agtagcttaa ttaagccttt ctacccattc 960
tcccaagatc tattggcatt attgaaaagc aaagtttatc aaatatctaa ctaaggatgt 1020
agttaacctt attaaatatt gattagaatt gttctgtaat attactgaat ttgtaagatc 1080
tttagcaaag atttttgagc aatttataaa tgtagagcaa atgtttctgt ttactgcact 1140
ttttgtaact gaaggtgata aattctcaag ccatgattat tggcttccat gcactgcaat 1200
atttatccac aattctagac attttccatt tttgtggaag agttgctgtt accttaatta 1260
taaatgcaat tgtgtggtta atgagagcta atgctagtag ttaacctttt aaagtggatt 1320
ggctacagtt gagggagaaa tctcttttaa tataaatcac atcattcctt aactgcctct 1380
cttggaaaga gattgaaacc tttttttaa agcacgattt agcatcctaa gcttcctgag 1440
ggtagagatt gtatcttttt gcgtctgcac aatggctagc acatgtcagc atttgacaat 1500
tgttaaatga taacaagtgt gccccaatta aaacgttttt cctgggttgt tttgttaaat 1560
ttacaaagta agccaagcct tacggttaac attctcctct acaaccaagt attaaagcca 1620
catttaaaaa gaccacatga aatgctgatt ctaattgtgt gtaggtcttg aggattaagc 1680
acacaaattt cacaaacttc tgtttgagta aacaaactca gccttctgta aatatacatg 1740
caagtttgga aacagtaata ctgtacctat aaatatatgc tgtctgtttt gtgtacagta 1800
tgtaaaaact ccttttctgc cacactaaaa atgcaagcca tttatgggaa tcctaaaact 1860
agtattgaac taaaactttg ctaatgatct ttattagagg atcgtccaac ttttcactta 1920
ccytgggttt tcttttcaat tcactcttac actagtctgc ttatttccag ctgtttattt 1980
tattgagtcc tgaatttaaa aaaaaaatat tttgattcat tttgtaaata caagctgtac 2040
aaaaaagaga gatttaatgt tgtcttttaa atactccaat tttcattcta atatgaatgt 2100
tgttatattg tacttagaaa ctgtaccttt aatattacat tacctttatt aaaagtgcat 2160
tgaacacatc aattttagat gtgctttatg tactgttatc ctataataaa acttcagctt 2220
ctaatggaaa aaaaaaaaaa aaaaaaaact cgag 2254

<210> 240
<211> 1057
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (958)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (966)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1035)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1053)
<223> n equals a,t,g, or c

<400> 240
ttaactcaaa ctctaaagtc ttgagtgttt caaagtcagt cgttacctgt ttaaaagcct 60
cagcctttag cttattcctc cttcaataca cgggaccttt ggttaatttg gggcaggaaa 120
actcttaaag taatctctct tgggcagagg ccttattgca ccagagggaa aaagtatata 180
cttcatttgc tgttactcca gttatgcctt aaattcattt gcttggtaat cctatcaacg 240
rgcactaact tcttagtata ctttaaacac ttagttgggt aacactgaga ttttgttgtc 300
ctttatttt tgctgagatg gagtcagtca gatgttagtc atagctaaca ccgaatttgt 360
gttgtcattt agacagttac tgattcgatc tgctttatat atgagaacgt atttttaact 420
attccaagaa ggaagaggta gctaaatgta atcccctctt cctatccccc cagaaaactg 480
aactgtaagt tctaggtaga ctaattggga gcagacacgg agttttagat gccttagcca 540
aacccagcag aaacctttca cacagccact catcgtaaga aacgcagatt tttctcttct 600
catgcttgtc tctggttccc tgcatttgta gtgacagaac tttcactagc aggatataaa 660
gaaagtaatt atgcttggag tccctcttta ctgggtttga gttaggtgca taacatggaa 720
aggagtggtg ccttcaaatg aatgtgacca ctccgtattg tggagtgact tccctagggc 780
atcctataca tcctaccaca gaaggccaag ggacagagca ccaacttcag tatccaagaa 840
attagatcca caactcttga ttttccacac tgaggactgt cgcgagtaag ttgtaagttt 900
gccgtcttcc ttctggctta gcaggtgctg cagctgtact ctcgactcct gtctgtgnag 960
cgtganyagg gaaaatgagg agtggagtct atttccaaaa aaaaatgtgg atggagtttt 1020
ttccttaaag tggcnttcat tggcccaatt ccntttt 1057

<210> 241
<211> 498
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<400> 241
gagttgatcc tgagatgaag gtggagcgtt acaagcgcac ctttgaccaa aatgaggagc 60
tagggctcaa tgacatgaag acagagggct atgaggcagg cctggctccg caacggtagc 120
agtgggtggc tcaagggcca gcctccagcg ctgctctttc tgtaggttat ttattagtat 180
tggatgaagg cgaaggctgg gagtgtcttt cccaccagcc cttgcccatg gtggggagga 240
catctggtct gagtcagaga tctgtgcaca ctttctaaac agcttgtgat gcaagtgtga 300
gcctattgtg ttacttgacc ttattttgga agttttgaat tggcctagga ggaaacccag 360
aaatgaacca ggggtatgtc atcacttttt tcatatcaag tcctcaccct ccttccacat 420
aatgctctat cctctaargt tggaactctg aarttggaga argtggaata aagttacacc 480
tggaaaaaaa aanaannn 498

<210> 242
<211> 1784
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1739)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1777)
<223> n equals a,t,g, or c

<400> 242
ggcacgagcc aacccagcta tggcctatgc caacgaggtg aaacgtgtgg tcagcagtgc 60
acaggagaag ggcaggaaga ttgcagcctt cttcgctgag tctctgccca gtgtgggagg 120
gcagatcatt ccccctgctg gctacttctc ccaagtggca gagcacatcc gcaaggccgg 180
aggggtcttt gttgcmgatg agatccaggt tggctttggc cgggtaggca agcacttctg 240
ggccttccag ctccagggaa aagacttcgt ccctgacatc gtcaccatgg gcaagtccat 300

tggcaacggc caccctgttg cctgcgtggc cgcaacccag cctgtggcga gggcatttga 360
agccaccggg ttgagtactt caacacgttt gggggcagcc cagtgtcctg cgctgtgggg 420
ctggccgtcc tgaatgtctt ggagaaggag cagcyccagg atcatgccac cagtgtaggc 480
agcttcctga tgcagctcct cgggcagcaa aaaatcaaac atcccatcgt cggggatgtc 540
aggggtgttg ggctcttcat tggtgtggat ctgatcaaag atgaggccac aaggacacca 600
gcaactgaag aggctgycta cttggtatca aggctgaagg agaactacgt tttgctgagc 660
actgatggcc ctgggaggaa matcctgaag tttaagcccc caatgtgctt cagcctggac 720
aatgcacggc aggtggtggc aaagctggat gccattctga ctgacatgga agagaaggtg 780
agaagttgtg aaacgctgag gctccagccc taagccagcc ctgctctgcc taagtgtact 840
ccagaagaaa ctcatctcat ccaaatacac gctattgaga aggcgagcct gacctccctc 900
ttacagataa agtcagcttt cagaggctca gggtgggggg gcctgcccga ggccataatg 960
ctacccaccc cctcctccta accactggtc tgttggaata acccagatgt ctgcatcccc 1020
tcaagtcagt caatttcctt tctgtccact gggggtggaa tggggtaggg tgggatactt 1080
taaagtgctc ctgcttaaat aaattagacc agaccagtgt atttctaaag aaaatcctga 1140
catgcacacc cattaaaaat agtacatttt acagtgtccc agtcatactt ttaattggca 1200
aattaaaata atgcaatctg atatattcta tcctactaaa ttaaaaatac tgaatataac 1260
caactaaata tacttactcc taagactcac taccagtagt ttcacttaaa ctctgcctta 1320
gaggctcttc ccacccattt cccattatgg cacatagaga aaaaggcctc tatcactgtc 1380
cactggagta ataaccactg cttcccctaa ctgcctcaaa gactgtcatt ttatagaaaa 1440
tttaagacta tcctaatcca ctctttccaa actcccagcc aggatagaga cttccaggag 1500
ttccacctgt cccaccttat ctggctgcca actcctgctc agaaacagaa cctgccacac 1560
cctgccactg caggccgcam cctcaactcc caactgccaa cttgaagcct gaactaccct 1620
ttccctgacc agagttcagg aggggaagag ctacacctcc ctgcacatga atccactcat 1680
ttgaaagcac aactgaccct ggatttaagc tggccaggac cctgggagat ctttggaang 1740
atttttgcct gggtttaagg ttaacttaaa gaggtgncca gaag 1784

<210> 243
<211> 936
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (840)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (854)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (865)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (905)
<223> n equals a,t,g, or c

<400> 243
catatgtttg cttgggatag aggtcaaaga ggatcctctg gcatgttttg ctgggttcct 60
gtagtcattt caacaggatt aactataatc tataattgat agattattga gtgacacaca 120
gcgtgatgct gggcaggccc caagctgaaa agcatctcct ccaacttact ttattcttag 180
caattcattc ctttggtttg aaaattcttc agcatcttca agagtccttt actaatgsat 240
cctttggggg agttgtgcta aattatcaac tcacaaggat gagatkgctg gctctaggga 300
gccagcctgc caacatggat gggctgtccc aggstctcaa gtgagctcag gtctgtacac 360
tgcactccrg ggagagtaaa tgtgcctggg gcatagaatg gagactttgg agtttggagt 420
ttggagtggg tttggggaca tcagcttctc tcttccagtt agtctgataa gtcctttgtt 480
gcctggccct ggaaaccact tgtsctccga aaatgccatt ctctggaatg tagctgtgga 540
gtagggagag agttggcccc tgtgttctgt aacccaagca agtactgtct cactgccatc 600
ttggggcaga ctccgcagta aggagaatct ctcttgcctt tttgtgtttc ttggtttctt 660
cctttgtaaa tacaaggcat agtctctgcc cttcccccag attgccagaa gagtgggata 720
tattgttcta gcaatataaa gctctgaggc ctttctgcag gactgtagac accactttgc 780
tgtgatagtg aagaatgtgg gggagtgttg tgagggctag gcgaagcggc ccggccttgn 840
cccattgaca gctncagtct tcctnccctc ataacttttt taacctaaca gaggatttaa 900
aaaanaaaaa caattttagc tggggcacaa tggctc 936

<210> 244
<211> 1381
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1359)
<223> n equals a,t,g, or c

<400> 244
tccgtggtgt ggttgactct gaggatctgc ccctgaacat ctcccgagaa atgctccagc 60
agagcaaaat cttgaaagtc attcgcaaaa acattgttaa gaagtgcctt gagctcttct 120

ctgagctggc agaagacaag gagaattaca agaaattcta tgaggcattc tctaaaaatc 180
tcaagcttgg aatccacgaa gactccacta accgccgccg cctgtctgag ctgctgcgct 240
atcatacctc ccagtctgga gatgagatga catctctgtc agagtatgtt tctcgcatga 300
aggagacaca gaagtccatc tattacatca ctggtgagag caaagagcag gtggccaact 360
cagcttttgt ggagcgagtg cggaaacggg gcttcgaggt ggtatatatg accgagccca 420
ttgacgagta ctgtgtgcag cagctcaagg aatttgatgg gaagagcctg gtctcagtta 480
ccaaggaggg tctggagctg cctgaggatg aggaggagaa gaagaagatg gaagagagca 540
aggcaaagtt tgagaacctc tgcaagctca tgaaagaaat cttagataag aaggttgaga 600
aggtgacaat ctccaataga cttgtgtctt caccttgctg cattgtgacc agcacctacg 660
gctggacagc caatatggag cggatcatga aagcccaggc acttcgggac aactccacca 720
tgggctatat gatggccaaa aagcacctgg agatcaaccc tgaccacccc attgtggaga 780
cgctgcggca gaaggctgag gccgacaaga atgataaggc agttaaggac ctggtggtgc 840
tgctgtttga aaccgccctg ctatcttctg gcttttccct tgaggatccc cagacccact 900
ccaaccgcat ctatcgcatg atcaagctag gtctaggtat tgatgaagat gaagtggcag 960
cagaggaacc caatgctgca gttcctgatg agatcccccc tctcgagggc gatgaggatg 1020
cgtctcgcat ggaagaagtc gattaggtta ggagttcata gttggaaaac ttgtgccctt 1080
gtatagtgtc cccatgggct cccactgcag cctcgagtgc ccctgtccca cctggctccc 1140
cctgctggtg tctagtgttt ttttccctct cctgtccttg tgttgaaggc agtaaactaa 1200
gggtgtcaag ccccattccc tctctactct tgacagcagg attggatgtt gtgtattgtg 1260
gtttatttta ttttcttcat tttgttctga aattaaagta tgcaaaataa agaatatgcc 1320
gtttttatac aaaaaaaaaa aaaaaaannn gggggggnng ccccggtccc matttccccc 1380
c 1381

<210> 245
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (650)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<400> 245
cttttccttn caggtggaaa ggacccctg gtacccatnc ncaagcagtt aggaaaggac 60
ctggctcttt acatatattg gatggtcctc atggcaaaac ttctcaattc cttaattagt 120
catgtctcag cttcaaggat atcagacagg aatgaaacac acttgaaaat gagattgacc 180
tggagatttt ttttccctaa tctctcatac cttaattgga aaaataatca attaattcta 240
tgttaattag grtatacaaa gttcaccctc cttgmaagtg actagggcaa gccctgaaga 300
tcttcctcac ctccttttat ctttctataa ccttgtctcc tccagcacca cagggaagac 360
aatcacagtg ggtcaagagc gaccctcttt cacgtgggct ctgcatgacc tctgagacct 420
gcttatgatc agtgcaatga agttagaagt aactgatgat tgggagcctt tgcagatagc 480
tgggcaaatg ggtgatttac ttatccccat tctaaatgga gtgagctctc tttgaggcta 540
agcaaggagg cgttgtatgc tagtttctag actttgcctg gagacccctt tggaaatctg 600
tcttcttttt aaactcactt aatatgcctt aatcatctgk gtgtaatggn agtcatccgc 660
tcctcaatnt aaccctyctm ccctggggct ttggctgtcc tcaatgagag tttcatgcag 720
aatggaaaat cctctatatg tacaatctct ctccccctca tttctcttcc tcctcacct 779

<210> 246
<211> 1231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (795)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1231)
<223> n equals a,t,g, or c

<400> 246
ccacgcgtcc ggaagaaggc ctaattccta acctgggacc cagagagaga cataagatat 60
ccagagagat atgcaccaag aaactgcaat ttatacaaag acagtcagaa agcagctgaa 120
gacagaatga gagagaaact aagtaaaaga aacttgatgc ctccaaaatg aagagtatgc 180

ctcatttcca tatgtgaact gaaaagctct ccacttttga aataaaggct tactatagag 240
cagccctggt aatagaacta caagacttat aataacttcc tgtttgagtt gaaatgaaaa 300
ctcataaaga atctatgcta ttaacccccc aatttatact tttgtattct tttatgttgt 360
attttgtatt ttatgttgga cttcttttt aaaattttgt atttattttt aattgaaaaa 420
taattgtgta tacttattgt tgtacaacat gatgttttga tatatgtata tgttgtagaa 480
tgactaaatc aagctagtta acatatgcat tacctcctat acttatcatt tatttgtggt 540
gagaacattt aaaatctact ctgttagcaa ttttgaagta tagaatacac tatgtcaact 600
ataatcatgg tgttgtacag taggtctaaa tgtattcatt tctcctatct aactgaaaat 660
ttgtatcttt tgaccaacat ctccctggtc cctccatctc ctcccctggt aactaccatt 720
attttttttt cttttttta aaaaaaagct tttagtttcg agggtacacg tgtaggtttg 780
ttatatagat aaacncaagt catgggactg tgttgtacag attattttgt cgtccacgta 840
ctaagcctag tgcccaatag ttatttttc tgctcttctc cctcctccta ccctctgcca 900
tcaagttggc ctaatgtcta ttgttccctt ctttgtaaca accactctaa tctctgcttc 960
taagggttcc tatgtctgac ttctttccct tgattttgtg agattcatcc acgttgtgta 1020
tgcagcagta gtttatttat tttcattatt ggatagtatt cctttgtgtg aacataaatt 1080
gctgatggca gatgtttgaa ttgtttccag tttttgagta ttatgaataa tgctgttgtg 1140
aacaaaaaaa aaaaaaaaaa aaaaaaaggg cggccgctct agaggatcca agcttgcgta 1200
cgcgtgcatg aaacgtcana agggtcttnn n 1231

<210> 247
<211> 851
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (834)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (842)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (844)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (849)
<223> n equals a,t,g, or c

<400> 247
gcggacgcgt gggcgtggat cggctggagc ggggccgccg ccggctgcag caggagctgg 60

acgacgccac catggacctg gagcagcagc ggcagcttgt gagcaccctg gagaagaagc 120
agcgcaagtt tgaccagctt ctggcagagg agaaggcagc tgtacttcgg gcagtggagg 180
aacgtgagcg ggccgaggca gagggccggg agcgtgaggc tcgggccctg tcactgacac 240
gggcactgga ggargagcag gaggcacgtg aggagctgga gcggcagaac cgggccctgc 300
ggctgagctg gaggcactgc tgagcagcaa ggatgacgtc ggcaagagcg tgcatgarct 360
ggaacgagcc tgccgggtag cagaacaggc agccaatgat ctgcgagcac aggtgacaga 420
actggaggat gagctgacag cggccgagga tgccaagctg cgtctggagg tgactgtgca 480
ggctctcaag actcagcatg agcgtgacct gcagggccgt gatgaggctg gtgaagagag 540
gcggaggcag ctggccaagc agctgagaga tgcagaggtg gagcgggatg aggagcggaa 600
gcagcgcact ctggccgtgg ctgcccgcaa gaagctggag ggagagctgg aggagctgaa 660
ggctcagatg gcctctgccg gccagggcaa ggaggaggcg gtgaagcagc ttcgcaagat 720
gcaggcccag atgaaggagc tatggcggga ggtggaggag acacgcacct tccgggagga 780
gatcttctcc cagaatcggg aaagtgaaaa gcgcctnaag ggcctgaagc tgangtgctg 840
cngntgcang a 851

<210> 248
<211> 1802
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1680)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1747)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1757)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1800)
<223> n equals a,t,g, or c

<400> 248
acgcgtccgc ttccatctgc tctggaatta aatatgcatt tcaggtgatt ggagagctac 60
attcccaact cgatggatcc gaagtactgc tgctgactga tggggaggat aacactgcaa 120
gttcttgtat tgatgaagtg aaacaaagtg gggccattgt tcattttatt gctttgggaa 180
gagctgctga tgaagcagta atagagatga gcaagataac aggaggaagt catttttatg 240
tttcagatga agctcagaac aatggcctca ttgatgcttt tggggctytt acatcaggaa 300
atactgatct ctccsagaag tcccttcagc tcgaaagtaa gggattaaca ctgaatagta 360
atgcctggat gaacgacact gtcataattg atagtacagt gggaaaggac acgttctttc 420
tcatcacatg gaacagtctg cctcccagta tttctctytg ggatcccagt ggaacaataa 480
tggaaaattt cacagtggat gcaacttcca aaatggccta tctyagtatt ccaggaactg 540
saaaggtggg cacttgggca tacaatctty aagccaaagc gamcccagaa acmttaacta 600

ttacagtwac ttctcgagca kcaaaattct tctgtgcctc caatcacagt gaatgctaaa 660
atgaataagg acgtaaacag tttccccagc ccaatgattg tttacgcaga aattctacaa 720
ggatatgtac ctgttcttgg agccaatgtg actgctttca ttgaatcaca gaatggacat 780
acagaagttt tggaactttt ggataatggt gcaggcgctg attctttcaa gaatgatgga 840
gtctactcca ggtattttac agcatataca gaaaatggca gatatagctt aaaagttcgg 900
gctcatggag gagcaaacac tgccaggcta aaattacggc ctccactgaa tagagccgcg 960
tacataccag gctgggtagt gaacggggaa attgaagcaa acccgccaag acctgaaatt 1020
gatgaggata ctcagaccac cttggaggat ttcagccgaa cagcatccgg aggtkcattt 1080
gtggtatcac aagtcccaag ccttccttgc ctgaccaata cccaccaagt caaatcacag 1140
accttgatgc cacagttcat gaggataaga ttattcttac atggacagca ccaggagata 1200
attttgatgt tggaaaagtt caacgktata tyataagaat aagtgcaagt attcttgatc 1260
taagagacag ttttgatgat gctcttcaag taaatactac tgatctgtca ccaaaggagg 1320
ccaactccaa ggaaagcttt gcatttaaac cagaaaatat ctcagaagaa aatgcaaccc 1380
acatatttat tgccattaaa agtatagata aaagcaattt gacatcaaaa gtatccaaca 1440
ttgcacaagt aactttgytt atccctcaag caaatcctga tgacattgat cctactccta 1500
ctcctactcc tactcctgat aaaagtcata attctggagt taatatttct acgctggtat 1560
tgtctgtgat tgggtctgtt gkaattgkta actttatttt aagtaccacc atttgaacct 1620
taacgaagaa aaaaatcttc aagtagacct agaagagagt tttaaaaaac aaaacaatgn 1680
aagtaaagga tatttctgaa tcttaaaatt catcccatgt gtgatcataa actcataaaa 1740
ataattntaa gatgtcngga aaaggatact ttgattaaaa taaaaacact catggatatn 1800
ta 1802

<210> 249
<211> 444
<212> DNA
<213> Homo sapiens

<400> 249
gggtgccttt ctcatggcca cagcagcttg gcttacaacc gtcttcaaac agccaggctg 60
tgccccagaa cttcactggg cttccttcca taactatgga tctgtgagca tcactttaat 120
ttcagagtgt ggaagacacc ttaataagaa tcatgaatca cattttacaa atcaggatac 180
acaggatgta aggttaagtg acctgtccta tcagggccac aaagccagtt aaacttcttt 240
attaactgag tcacttaaaa atcatttatt taaaaaccta ttttgttcca ggaactattc 300
tgggtactgg aaatraaaac agtggagaca gagagagggg aaataaaaaa caagacaaaa 360
atgattgctt tkgtggagtt tatatattcc actggargaa ggtagatsat aaataaaagt 420
gaaaaagtac attatwaggt ggga 444

<210> 250
<211> 1746
<212> DNA
<213> Homo sapiens

<400> 250
ggcatcagta aggtctgtat ttaaatgtgg atgtagacat cataattacc aagacaagaa 60
attgttttga gaaattctct gatgtttttc ttcttcaggt ttcacgtgcc acgatcatgg 120
tgccacggta ctgcagtatg cacccaaaca gcaactccta atctcggggg gtaggaaaag 180
acacgtctgc atttttgaca tcargcaaag gcagctcatt cacacgttcc aggcccatga 240
ctcagctatt aaggctctgg ccttggatcc ctatgaggaa tattttacca caggttcagc 300
agaaggtaac ataaaggttt ggagattgac aggccatggc ctaattcatt catttaaaag 360
tgaacatgct aagcagtcca tatttcgaaa cattggggct ggagtcatgc agattgacat 420
catccagggc aatcggctct tctcctgtgg tgcagatggc acgctgaaaa ccagggtttt 480

gcccaatgct tttaacatcc ctaacagaat tcttgacatt ctataaagat tggggtttta 540
tttttatata catttcagtt aaaaggcaca ctacagtcat cactaggcaa ttctgctttc 600
taagcagttg tattgaaaac agagaatctc tgtgtagaat ttgaatatga cccaagctga 660
gtattatcta aacaggttgg tggaatgaat gcgcatgtac cttattatgc tgacatacta 720
aaaaaaataa aacctagtat tgtatgaagg atagctattc tttacagcat ttagcaaacc 780
tgattcagaa aacatttgag attagcaaat tagtaacttg aaataatgaa aaggacgttt 840
ataccaaatt aaggaagaaa atgttgctga tttgggtttt tcttcctgtt cttaccactg 900
actgaagcat gcctgcagtc tcctcctctg ttgaatgaag gataatcata aggtgtttgt 960
taggagcgct agaccacctg gaaaactttc ttagctgtgg agcagtgcgc agtgaccagt 1020
tctctgctgt gagaggccgt ttccattctt tcctgctgaa tatttttcct gttagtgttt 1080
atactgagct agtactgtaa cttgcaaatg agtgcaaatt taaatgcaat gttttactca 1140
caatttgcac attcacattt tttggactgc tagtttttct atttaaatat ttgccttcat 1200
gttaggaatg tactatgtga acatgacata tttgtagtta accaaacaca ccttcttagt 1260
ccagtttagt acttttttctt ttcgtgtatt caaggttaaa cacccaaaca tttaaggata 1320
tgttgaaact acaccaatag agcatttcat atcataatta aaatgaatgt taggcttctt 1380
gtggccagtt aatagttgat gagattggtg acattattta ttgccacagc ctattgtata 1440
aactatgcag agttaaatat ttgcttgtaa aatattagcc aatgttgtca ttattttgat 1500
gtatttcctt ggttatgacc aaaaatatgt tgagatactg aaactaatgt ctgtgtgttt 1560
aaatgtttac cagcaaattg tcttatcatg ttaatgagaa tgttcaatgc ctgtgtggta 1620
aatagtaaat acaatggcat aaaagtaact ttctctgaag atgtgatgtt caggctgtga 1680
aatatatatg taaaagaaaa ataaatgtta tttgttagaa aaaaaaaaaa aaaaaaaaaa 1740
ctcgta 1746

<210> 251
<211> 1935
<212> DNA
<213> Homo sapiens

<400> 251
gaattcggca cgagggagca ttgcccgtca gacagcaact cagagaataa ccagagaaca 60
accagattga aacaatggag gatctttgtg tggcaaacac actctttgcc ctcaatttat 120
tcaagcatct ggcaaaagca agccccaccc agaacctctt cctctcccca tggagcatct 180
cgtccaccat ggccatggtc tacatgggct ccaggggcag caccgaagac cagatggcca 240
aggtgcttca gtttaatgaa gtgggagcca atgcagttac ccccatgact ccagagaact 300
ttaccagctg tgggttcatg cagcagatcc agaagggtag ttatcctgat gcgattttgc 360
aggcacaagc tgcagataaa atccattcat ccttccgctc tctcagctct gcaatcaatg 420
catccacagg gaattattta ctggaaagtg tcaataagct gtttggtgag aagtctgcga 480
gcttccggga agaatatatt cgactctgtc agaaatatta ctcctcagaa ccccaggcag 540
tagacttcct agaatgtgca gaagaagcta gaaaaaagat taattcctgg gtcaagactc 600
aaaccaaagg caaaatccca aacttgttac ctgaaggttc tgtagatggg gataccagga 660
tggtcctggt gaatgctgtc tacttcaaag gaaagtggaa aactccattt gagaagaaac 720
taaatgggct ttatcctttc cgtgtaaact cggctcagcg cacacctgta cagatgatgt 780
acttgcgtga aaagctaaac attggataca tagaagacct aaaggctcag attctagaac 840
tcccatatgc tggagatgtt agcatgttct tgttgcttcc agatgaaatt gccgatgtgt 900
ccactggctt ggagctgctg gaaagtgaaa taacctatga caaactcaac aagtggacca 960
gcaaagacaa aatggctgaa gatgaagttg aggtatacat accccagttc aaattagaag 1020
agcattatga actcagatcc attctgagaa gcatgggcat ggaggacgcc ttcaacaagg 1080
gacgggccaa tttctcaggg atgtcggaga ggaatgacct gtttctttct gaagtgttcc 1140
accaagccat ggtggatgtg aatgaggagg gcactgaagc agccgctggc acaggaggtg 1200
ttatgacagg gagaactgga catggaggcc cacagtttgt ggcagatcat ccttttcttt 1260
ttcttattat gcataagata accaactgca ttttatttttt cggcagattt tcctcaccct 1320

aaaactaagc gtgctgcttc tgcaaaagat ttttgtagat gagctgtgtg cctcagaatt 1380
gctatttcaa attgccaaaa atttagagat gttttctaca tatttctgct cttctgaaca 1440
acttctgcta cccactaaat aaaaacacag aaataattag acaattgtct attataacat 1500
gacaacccta ttaatcattt ggtcttctaa aatgggatca tgcccattta gattttcctt 1560
actatcagtt tatttttata acattaactt ttactttgtt atttattatt ttatataatg 1620
gtgagttttt aaattattgc tcactgccta tttaatgtag ctaataaagt tatagaagca 1680
gatgatctgt taatttccta tctaataaat gcctttaatt gttctcataa tgaagaataa 1740
gtaggtatcc ctccatgccc ttctgtaata aatatctgga aaaaacatta aacaataggc 1800
aaatatatgt tatgtgcatt tctagaaata cataacacat atatatgtct gtatcttata 1860
ttcaattgca agtatataat aaataaacct gcttccaaac aacaaaaaaa aaaaaaaaaa 1920
aactttgagg ggggg 1935

<210> 252
<211> 1919
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<400> 252
ataaggcggc atttatcatt cccaccactg acatctactg tataccacat ctgctatgcc 60
atggatacat ggcatcatga tgatgagtcc ctcccctggg cctgccaagg ggaaacagag 120
tgcatatccc accataatag ggaaattaat aattgtatta agtggttgaa aaaaaggggg 180
aggatgttca ctcactgttc cctgtgtagt atcctgcaaa tgcatgaatg gtgaactccc 240
catgtcagca ttnttgtgcc catttattta gtacccagac atagtgctgg tctcacagct 300
taatatttgg taatgaataa attctgctag tggtatatgt tgatctgaac ttacaatgat 360
gggatataga attggcagag tggcagatgt tcacaattgt ctacaagtag atgtgctaga 420
caatggaagg atgcaggcca acctctttga ttacaattga gattcatgtg actattgagc 480
cctggaaatg tagcttgtcc aaattgagat gtgctgtcag tataaaatac ataccagatt 540
ttaaagatgt accaaaaaat gtaaactatc tcaattttta tattggtgaa atcaatatgt 600
cttggtatag tggcttaaat aaaacaattt tagcctttct cagtttattt ttctgcaaaa 660
agattaaaaa ttgtacatga agctcatgtt aactttcttt tggtcagtgc tattttaaag 720
gaagtatgag ttgaaaaaaa attgaaataa actatatcat attactagga cttaatatag 780
tggcataccc aggaaatgct tagtaagtgt tcccttcaca ttttaaaatt tgagtataca 840
atcatgtttg acaatataga aatttaattt ttagtgaaac aattctaaac ccctttttcca 900
tagacacaag aaagatggca aatttatgct attcctggaa aaatacattg tggcttagca 960
aataagcaag ttcccacgtt acttttgttt tgcttcaagt aatacttctg ccagttgtgt 1020
tttatgaatt aaacagggaa cggcatgctg aacttgaaac tagatttgtt cctgcttttt 1080
tcacaatgtg agtagttttg aaaagtcaga tctggccatt tgtctttcct agaatagcat 1140
aactttgttc attgtttttt ttgtttgtct ttctgacaca gaaagactga tgatggtgtc 1200
cactatgtat tcttcaaaac atttggcaca tgctgcacta acctagtcta tcttttctat 1260
cttggaattt gctcatacaa accctatagc ctagactaga tcccttaccc tctctccagt 1320
tcctatcatt cacccatttc actgtgcaag acacctcact agtcaccagt gatacagaaa 1380
tgacttttaa gcagtttctg ctcttaaggg cttaccgttt tgtctataag atacacaagt 1440
ataaatgaca agtacaaata acaatgaatg tttaatgctt tacgtttagt gtttaagctt 1500
gttgttggaa gagcagcatt ttgacccttg gagaagaaaa actagctgtg gcattccagg 1560
tggagaacct gacagaggac taagaagtta tctaatgtaa aagacctcag gcaccacctt 1620
cgcataaact ttttccagac aaggctaaat gtgcatgctt cataaccata attcttattt 1680

ttctttaata aatatttttc tacttgtaac actgtgcatt atttcaaact gtttacctgt 1740
ttgtaaagct tgtctcttaa tcaaatttgt cttgaccaaa taagtttcct gagggctgga 1800
attatgcctt aactatatct atagtattta acagtgaatc ctttgtataa tgaaagcatc 1860
aacagataat tttaaattga taaataaaaa gcacagtttc aaatggtaaa aaaaaaaaa 1919

<210> 253
<211> 2468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2076)
<223> n equals a,t,g, or c

<400> 253
gggtttgaga agattggaca gtgcttcagg caccgtgtac acagcaatgg atgtggccac 60
aggacaggag gtggccatta agcagatgaa tcttcagcag cagcccaaga aagagctgat 120
tattaatgag atcctggtca tgagggaaaa caagaaccca aacattgtga attacttgga 180
cagttacctc gtgggagatg agctgtgggt tgttatggaa tacttggctg gaggctcctt 240
gacagatgtg gtgacagaaa cttgcatgga tgaaggccaa attgcagctg tgtgccgtga 300
gtktctgcag gctctggagt tcttgcattc gaaccagata accccagagc agagcaaacg 360
gagcaccatg gtaggaaccc catactggat ggcaccagag gttgtgacac gaaaggccta 420
tgggcccaag gttgacatct ggtccctggg catcatggcc atcgaaatga ttgaagggga 480
gcctccatac ctcaatgaaa accctctgag agccttgtac ctcattgcca ccaatgggac 540
cccagaactt cagaacccag agaagctgtc agctatcttc cgggactttc tgaaccgctg 600
tctcgagatg gatgtggaga agagaggttc agctaaagag ctgctacagc atcaattcct 660
gaagattgcc aagcccctct ccagcctcac tccactgatt gctgcagcta aggaggcaac 720
aaagaacaat cactaaaacc acactcaccc cagcctcatt gtgccaagcc ttctgtgaga 780
taaatgcaca tttcagaaat tccaactcct gatgccctct tctccttgcc ttgcttctcc 840
catttcctga tctagcactc ctcaagactt tgatccttgg aaaccgtgtg tccagcattg 900
aagagaactg caactgaatg actaatcaga tgatggccat ttctaaataa ggaatttcct 960
cccaattcat ggatatgagg gtggtttatg attaagggtt tatataaata aatgtttcta 1020
gtcttccgtg tgtcaaaatc ctcacctcct tcataaccat ctcccacaat taattcttga 1080
ctatataaat ttatggtttg ataatattat caatttgtaa tcaattgaga tttctttagt 1140
gcttgctttt ctgtgactca actgcccaga cacctcattg tacttgaaaa ctggaacagc 1200
ttgggaatgc catggggttt gataatctgc cagggacatg aagaggctca gcttcctgga 1260
ccatgacttt ggctcagctg atcctgacat gggagaacaa ccacattttt ctttgtgtgt 1320
gcttctagca gctgttcggg aggaccttga cccaayagtg ttcccatgct gtttcttgtg 1380
aaatgctctc ggctatgtag cagcttttga ttccctgcat accctaggct gctgccccta 1440
tcctgtccct tgtttataac attgagaggt tttctagggc acatactgag tgagagcagt 1500
gttgagaagt cggggaaaat ggtgactact tttagagcaa ggctgggcat cagcacctgt 1560
ccagctctac ttgtgtgatg tttcaggaac tcagcccctt tttctgccta ggataaggag 1620
ctgaaagatt aacttggatc ttctaatggt ccaaatcttt tggtcacaat aaagagtctc 1680
caaattagag actgcatgtt agttctggat ggatttggtg gcctgacatg ataccctgcc 1740
agctgtgagg ggaccccgtt tttaagatgc atggccaagc tctctgcaaa tggaaatgct 1800
tacactgggt gttggggatg tttgctacct cctgctattt ttgtggtttt ggttctccca 1860
ctatggtagg acccctggcc agcattgtgg cttgtcatgt cagccccatt gactaccttc 1920
tcatgctctg aggtactact gcctctgcag cacaaatttc tatttctgtc aataaaagga 1980
gatgaaaata ttctattgga gtatgccttt ctttttttctc ttcgtttttt ctttcctttt 2040
ctaatttttt atatgaaata atgagtaagt ttcttnctga accatttgag agtggtaagt 2100

tgcagataga atgccccttt accactatat acctgaatgt gtattctttc yttttaacac 2160
ttttatttta aatataaatt aagagaaatg ggccaaaacc atttgtattg tttaaagaat 2220
aattataaac acacttgtat ccaccaaatc aagaaakgga acactgacag taagaacctt 2280
ctctatcttg tccttccttt ctcattatag cccccaccta agaggtaacc accatcttga 2340
cttttattta aataactttc ttgctttttct gtatactttc atcacattca ggtgtgttcc 2400
aatacaagta gattttagtt cggccagttt ttgaacttta aataaacata tcataataga 2460
taaaaaaa 2468

<210> 254
<211> 2861
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2861)
<223> n equals a,t,g, or c

<400> 254
ggcacarcca cagcttctcc agtggctatg tggagatgga gtttgagttt gaccggctga 60
gggccttcca ggctatgcag gtccactgta acaacatgca cacgctggga gcccgtctgc 120
ctggcggggt ggaatgtcgc ttccggcgtg gccctgccat ggcctgggag ggggagccca 180
tgcgccacaa cctaggggggc aacctggggg accccagagc ccgggctgtc tcagtgcccc 240
ttggcggccg tgtggctcgc tttctgcagt gccgcttcct ctttgcgggg ccctggttac 300
tcttcagcga aatctccttc atctctgatg tggtgaacaa ttcctctccg gcactgggag 360
gcaccttccc gccagccccc tggtggccgc ctggcccacc tcccaccaac ttcagcagct 420
tggagctgga gcccagaggc cagcagcccg tggccaaggc cgaggggagc ccgaccgcca 480
tcctcatcgg ctgcctggtg gccatcatcc tgctcctgct gctcatcatt gccctcatgc 540
tctggcggct gcactggcgc aggytcctca gcaaggytga acggagggtg ttggaagagg 600
agctgacggt tcacctctct gtccctgggg acactatcct catcaacaac cgcccaggtc 660
ctagagagcc acccccgtac caggagcccc ggcctcgtgg gaatccgccc cactcygctc 720
cctgtgtccc caatggctct gcgttgctgc tctccaatcc agcctaccgc ctccttctgg 780
ccacttacgc ccgtcccct cgaggcccgg gccccccac acccgcctgg gccaaaccca 840
ccaacaccca ggcctacagt ggggactata tggagcctga gaagccaggc gccccgcttc 900
tgcccccacc tccccagaac agcgtccccc attatgccga ggctgacatt gttaccctgc 960
agggcgtcac cgggggcaac acctatgctg tgcctgcact gcccccaggg gcagtcgggg 1020
atgggccccc cagagtggat ttccctcgat ctcgactccg cttcaaggag aagcttggcg 1080
agggccagtt tggggaggtg cacctgtgtg aggtcgacag ccctcaagat ctggtcagtc 1140
ttgatttccc ccttaatgtg cgtaagggac acccttttgct ggtagctgtc aagatcttac 1200
ggccagatgc caccaagaat gccaggaatg atttcctgaa agaggtgaag atcatgtcga 1260
ggctcaagga cccaaacatc attcggctgc tgggcgtgtg tgtgcaggac gaccccctct 1320
gcatgattac tgactacatg gagaacggcg acctcaacca gttcctcagt gcccaccagc 1380
tggaggacaa ggcagccgag ggggccccctg gggacgggca ggctgcgcag gggcccacca 1440
tcagctaccc aatgctgctg catgtggcag cccagatcgc ctccggcatg cgctatctgg 1500
ccacactcaa ctttgtacat cgggacctgg ccacgcggaa ctgcctagtt ggggaaaatt 1560
tcaccatcaa aatcgcagac tttggcatga gccggaacct ctatgctggg gactattacc 1620
gtgtgcaggg ccgggcagtg ctgcccatcc gctggatggc ctgggagtgc atcctcatgg 1680
ggaagttcac gactgcgagt gacgtgtggg cctttggtgt gaccctgtgg gaggtgctga 1740
tgctctgtag ggcccagccc tttgggcagc tcaccgacga gcaggtcatc gagaacgcgg 1800
gggagttctt ccgggaccag ggccggcagg tgtacctgtc ccggccgcct gcctgcccgc 1860
aggcytatat gagctgatgc ttcggtgctg gagccgggag tctgagcagc gaccaccctt 1920

ttcccagctg catcggttcc tggcagagga tgcactcaac acggtgtgaa tcacacatcc 1980
agctgcccct ccctcaggga gcgatccagg ggaagccagt gacactaaaa caagaggaca 2040
caatggcacc tctgcccttc ccctcccgac agcccatcac ctctaataga ggcagtgaga 2100
ctgcaggtgg gctgggccca cccagggagc tgatgcccct tctcccttc ctggacacac 2160
tctcatgtcc ccttcctgtt cttccttcct agaagcccct gtcgcccacc cagctggtcc 2220
tgtggatggg atcctctcca ccctcctcta gccatccctt ggggaagggt ggggagaaat 2280
ataggataga cactggacat ggcccattgg agcacctggg ccccactgga caacactgat 2340
tcctggagag gtggctgcgc ccccagcttc tctctccctg tcacacactg gaccccactg 2400
gctgagaatc tgggggtgag gaggacaaga aggagaggaa aatgtttcct tgtgcctgct 2460
cctgtacttg tcctcagctt gggcttcttc ctcctccatc acctgaaaca ctggacctgg 2520
gggtagcccc gccccagccc tcagtcaccc ccacttccca cttgcagtct tgtagctaga 2580
acttctctaa gcctatacgt ttctgtggag taaatattgg gattgggggg aaagagggag 2640
caacggccca tagccttggg gttggacatc tctagtgtag ctgccacatt gatttttcta 2700
taatcacttg gggtttgtac atttttgggg ggagagacac agatttttac actaatatat 2760
ggacctagct tgaggcaatt ttaatccccc gcactaggca ggtaataata aaggttgagt 2820
tttccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa n 2861

<210> 255
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (709)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (722)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (732)
<223> n equals a,t,g, or c

<400> 255
aaaggggtc gagtaactca agtgttagaa gttcgttgac ttttgactgg ggagaaagga 60
accttaaact tggggaggag aagggagtcc tggagttgtt acctaanaac aaagatgggg 120
cggaatggag gctacagccc gaaagccagg ccagcagtgg cgttcttctg tgtccccaag 180
tagtggactt gagcccgctg agacctcggc aggagtctcg tcccagggca ggtgggtgtg 240
cggggtgagc cgcggagcgg ttccagctcg ggtaaagagg aagttacctc gggtcctttg 300
cactccaact cggcggcgcc cgagcccgag gggccccagc caacccgacg cccgtgtgtt 360
gtgtgtgtct aacacccggt ccgtgccrgc gccgcgccgc ccgcgctgcc cccagctcga 420
ggaggacatc gcggccaagg agaagttgct gcgggtgtcg gaggacgagc gggaccgggt 480

gctggaggag ctgcacaagg cggaggacag cctcctggcc gccgaagagg ccgcgccaag 540
gctgaagccc gacgtagctt ctctgaacag acgcatccag ctggttgagg aagagttgga 600
tcgtgcccag gagcgtctgg caacagcttt gcagaagctg gaggaagctg ataaggcagc 660
agatgagagt gagagaggca tgaaagtcat tgagagtcga gcccaaaang gatgaagaaa 720
anatggaaat tnaggagatc caactgaaag aggcaaagca cattgc 766

<210> 256
<211> 1394
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1238)
<223> n equals a,t,g, or c

<400> 256
gcccacgcgt ccgagctcag tcagcagaag agataaaagc aaacaggtct gggaggcagt 60
tctgttgcca ctctctctcc tgtcaatgat ggatctcaga aataccccag ccaaatctct 120
ggacaagttc attgaagact atctcttgcc agacacgtgt ttccgcatgc aaatcaacca 180
tgccattgac atcatctgtg ggttcctgaa ggaaaggtgc ttccgaggta gctcctaccc 240
tgtgtgtgtg tccaaggtgg taaagggtgg ctcctcaggc aagggcacca ccctcagagg 300
ccgatctgac gctgacctgg ttgtcttcct cagtcctctc accacttttc aggatcagtt 360
aaatcgccgg ggagagttca tccaggaaat taggagacag ctggaagcct gtcaaagaga 420
gagagcattt tccgtgaagt ttgaggtcca ggctccacgc tggggcaacc cccgtgcgct 480
cagcttcgta ctgagttcgc tccagctcgg ggaggggtk gagttcgatg tgctgcctgc 540
ctttgatgcc ctggattttg cccgwacagg tcaattgact ggcggctata aacctaaccc 600
ccaaatctat gtcaagctca tcgaggagtg caccgacctg cagaaagagg gcgagttctc 660
cacctgcttc acagaactac agagagactt cctgaagcag cgccccacca agctcaagag 720
cctcatccgc ctagtcaagc actggtacca aaattgtaag aagaagcttg ggaagctgcc 780
acctcagtat gccctggagc tcctgacggt ctatgcttgg gagcgaggga gcatgaaaac 840
acatttcaac acagcccagg gatttcggac ggtcttggaa ttagtcataa actaccagca 900
actctgcatc tactggacaa agtattatga ctttaaaaac cccattattg aaaagtacct 960
gagaaggcag ctcacgaaac ccaggcctgt gatcctggac ccggcggacc ctacaggaaa 1020
cttgggtggt ggagacccaa agggttggag gcagctggca caagargctg aggcctggct 1080
gaattaccca tgctttaaga attgggatgg gtccccagtg agctcctgga ttctgctggt 1140
gagacctcct gcttcctccc tgccattcat ccctgcccct ctccatgaag cttgagacat 1200
atagctggag accattcttt ccaaagaact tacctctntc gcaaaggcca tttatattca 1260
tatagtgaca ggctgtgctc catattttac agtcattttg gtcacaatcg agggtttctg 1320
gaattttcac atcccttgtc cagaattcat tcccctaaga gtaataataa ataatctcta 1380
acaccaaaaa aaaa 1394

<210> 257
<211> 1329
<212> DNA
<213> Homo sapiens

<400> 257
ctcatcctca acctggtgac agacttgaag ccccagatgc tgttggacac agtgccctgt 60
atccccgcct acatcctcta catgtgcatc cggctcgcgg accaaaccaa tgatgatctc 120
aaggtgcmct ccctgmtgac ctccaccayc aacggcatta agraagtcct gaaraagcac 180

artgatgact ttgagatgac gtcattctkg ttatccaaca cctgccacct tcttcactgt 240
ctgaagcggt acagcgggga tgagggcttc atgactcaga atacwgcaaa gcacaacgaa 300
cactgyctta agaaytttga cctcaccgaa taccgtcagt actgagcgac ctttccattc 360
agatctacca gcagctcwtt aaaattgccg agggygygtt acagccgatg atagtttctg 420
ccatgttgga aaatgagagc attcagggtc tatctggtgt gaagcccacy ggctmccrga 480
agcrctcctc cagcatggca gatggggata actcatacyg cctggaagct wtcatccgcc 540
agatgaatgc ctttcataca gtcatgtgtg accagggctt ggaccctgag atcatcctgc 600
aggtattcaa acagctcttc tacatgatca acgcagtgac tcttaacaac ctgctcttgc 660
ggaaggacgt ctgctcttgg agcacaggca tgcaactcag gtacaatata agtcagcttg 720
aggagtggct tcggggaaga aaccttcacc agagtggagc agttcagacc atggaacctc 780
tgatccaagc agcccagctc ctgcaattaa agaagaaaac ccaggaggac gcagaggcta 840
tctgctccct gtgtacctcc ctcagcaccc agcagattgt caaaatttta aacctttata 900
ctcccctgaa tgaatttgaa gaacgggtaa cagtggcctt tatacgaaca atccaggcac 960
aactacaaga gcggaatgac cctcagcaac tgctattaga tgccaagcac atgtttcctg 1020
ttttgtttcc atttaatcca tcttctctaa ccatggactc aatccacatc ccagcgtgtc 1080
tcaatctgga attcctcaat gaagtctgaa gatgcatgtt tccagcatta gtttgattcc 1140
caatgtgagc aagaaggaag tatatacagt aaagtaaatt caaggatctg ttaaatctgg 1200
taaaagtaga tcaaatcaga gattgacagc ctgtggaggg tgctgaacta tacagaatta 1260
gacacaacta tgtcattatt ttttgtacct actgctcaga ataaaaacac ttgaaatatg 1320
aaaaaaaaa 1329

<210> 258
<211> 2196
<212> DNA
<213> Homo sapiens

<400> 258
aattcggcag agcgggaagt cgctgaagac agagcgatgg tagttctgga ggcctcgctc 60
cggggccgac ccgaggccac agtgcctccg cggtagaccg gacttgggtg acgggctccg 120
ggctcccgag gtgaagagca tcgggggctg agggatggaa gggtctaaga cgtccaacaa 180
cagcaccatg caggtgagct tcgtgtgcca gcgctgcagc cagcccctga aactggacac 240
gagtttcaag atcctggacc gtgtcaccat ccaggaactc acagctccat tacttaccac 300
agcccaggcg aaaccaggag agacccagga ggaagagact aactcaggag aggagccatt 360
tattgaaact cctcgccagg atggtgtctc tcgcagattc atccccccag ccaggatgat 420
gtccacagaa agtgccaaca gcttcactct gattggggag gcatctgatg gcggcaccat 480
ggagaacctc agccgaagac tgaaggtcac tggggacctt tttgacatca tgtcgggcca 540
gacagatgtg gatcacccac tctgtgagga atgcacagat actcttttag accagctgga 600
cactcagctc aacgtcactg aaaatgagtg tcagaactac aaacgctgtt tggagatctt 660
agagcaaatg aatgaggatg acagtgaaca gttacagatg gagctaaagg agctggcact 720
agaggaggag aggctgatcc aggagctgga agacgtggaa aagaaccgca agatagtggc 780
agaaaatctc gagaaggtcc aggctgaggc tgagagactg gatcaggagg aagctcagta 840
tcagagagaa tacagtgaat ttaaacgaca gcagctggag ctggatgatg agctgaagag 900
tgttgaaaac cagatgcgtt atgcccagac gcagctggat aagctgaaga aaaccaacgt 960
ctttaatgca accttccaca tctggcacag tggacagttt ggcacaatca ataacttcag 1020
gctgggtcgc ctgcccagtg ttcccgtgga atggaatgag attaatgctg cttggggcca 1080
gactgtgttg ctgctccatg ctctggccaa taagatgggt ctgaaatttc agagataccg 1140
acttgttcct tacggaaacc attcatatct ggagtctctg acagacaaat ctaaggagct 1200
gccgttatac tgttctgggg ggttgcggtt tttctgggac aacaagtttg accatgcaat 1260
ggkggctttc ctggactgtg tgcagcagtt caaagaagag gttgagaaag gcgagacacg 1320
tttttgtctt ccctacagga tggatgtgga gaaaggcaag attgaagaca caggaggcag 1380
tggcggctcc tattccatca aaacccagtt taactctgag gagcagtgga caaaagctct 1440

caagttcatg ctgacgaatc ttaagtgggg tcttgcttgg gtgtcctcac aattttataa 1500
caaatgactt ttttccttag ggggaggttt gccttaaagg cttttaattt tgttttgttt 1560
gcaaacatgt tttaaattaa attcgggtaa tattaaacag tacatgttta caataccaaa 1620
aaagaaaaaa tccacaaaag ccactttatt ttaaaatatc atgtgacaga tactttccag 1680
agctacaaca tgccatctat agttgccagc cctggtcagt tttgattctt aaccccatgg 1740
actcctttcc ctttcttctc tgaaaaaaac taatttaaat ttgcttttct ttttttaac 1800
tgagttgaat tgagattgat gtgttttcac tggattttta tctctctcaa cttcctgcac 1860
ttaacaatat gaaatagaaa cttttgtctt tactgagatg aggatatgtt tgagatgcac 1920
agttggataa tgtgggaaaa tgacatctaa gctttacctg gtcaccatgt gatgtgatca 1980
gatgcttgaa atttaacact tttcacttgg ttcttatact gaatgccgac tctgctctgt 2040
gttagagata tgaaatggtg tttgatactg tttgagacat tatggagaga tttaattatt 2100
tgtaataaaa gatttgctgc agtctgaaaa ctgcccaggg gtgcactgtt gggtttttct 2160
ttaaaataga gtactttgta ttctgggaaa aaaaaa 2196

<210> 259
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<400> 259
gtttacataa gagatccttt agtccactca acggctgaca ttagcagcat ctttaataca 60
actgtttgtt caaaggcaag gtggtccctt ttaaagttac acttctagac tcacctgttc 120
tcactccctg ttttaatgta acccagccat gagatgccag ataatagaat tgctacctac 180
tagctgaaca ggaaagaacc tgtgctgttt ctgacacttc ttgttgcaca tagatnaata 240
caatgggtat tatagagact cagttgcaga aattaacaaa catgctgctt ggttaaaatg 300
ggtagactca tctggctcat tctttattcc attttagttg gtttgcatct tgcctaaggt 360
gcatactcca aactyttggt attattctcc tgatagtcac actagtagtc tccctggtgt 420
gctataatct ctaaaagctt taaatgtttg cwtgcagcta tccatcgaat gtcaaatggt 480
ctctctttgg ctggaatgac aaaactcaaa ggaatgtgtg atcaggaaga catcataacc 540
tatgaatgat ggaacccaaa atgaatg 567

<210> 260
<211> 950
<212> DNA
<213> Homo sapiens

<400> 260
gactaatgaa ataactgttc actattgtgg gttctacttg cagggttcag actaggcaat 60
gtggtacatg ctatacaggc aactgagcag agcattcatg ccactgacct ggtacctcgc 120
ttatgcttaa cattagccaa cctgaaccgt gtgatttatt tcatctgtga caccatcctc 180
tgggtgagga gcgtaggtct cacctctggc atcaacaaag agaaatggcg aacgagggct 240
gctcaccact actactattc tcttctgctg agccttgtca gggatctgta tgaaatctcc 300
ctgcagatga aacgagttac atgtgacagg gcaaagaaag agaaatcagc atcccaggat 360
cctctttggt tcagcgtggc tgaggaggwa acagaatggc tccaatcctt tctacttctt 420
ttattccgat ctctgaagca gcatcctccc ttgctcctgg acacagtgaa gaacctttgt 480
gatatcctga acccttgga cctgctgggg atctataaat ccaatcctgg catcattgga 540

cttggaggtc ttgtgtcctc tatagcaggc atgatcactg tggcatatcc tcagatgaag 600
ctgaagaccc gttagtgttt ttaggcttgg aactagtacc tactttaaaa gatggcctct 660
tggtgggaca gacatttgta taagtcacag gccatgtcat actgtgctta agttcttgtt 720
catgtgagca tttaacaacc tgtgatgtgg gcagagatga ggccaagaac ggagaaggga 780
ggagcatgaa gagttgtatg tttttggagt gctggagtga cttgtgaatt tctgaatatt 840
ttcccttcat ctaacattga ttgaacatct cttatgtgca tagtgggagc ttagtatttg 900
ctgaatgaat aaaaattgaa aggaaaaaat ttaaaaaraa aaaaaaaaaa 950

<210> 261
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<400> 261
caaagaattc ggcacgaggt ctgatcttcc tgcggctgaa ccgcccggct gagccgacat 60
tgccggcgtc ttggcgattc ggcccgacga gctccgcttt cgctacagca tggtggccta 120
ctggagacag gctggactca gctacatccg atactcccag atctgtgcaa aagcagtgag 180
agatgcactg aagacagaat tcaaagcaaa tgctgagaag acttctggca gcaacgtaaa 240
aattgtgaaa gtaaagaagg aataatctac cctgactaaa gcttgaaatg ctacatttcc 300
aaggtgaaga tgtgtgggca catgttatgg cagattgaaa aggatctcat tccatgggaa 360
aaaaaaaaat cctgtcttgt tcataaattg acaatgtcaa taaattgaaa tatggttcac 420
tgttaaaaaa aaaaaaaaaa aaanggggggg nccnttttaa agaatccaan tttac 475

<210> 262
<211> 1244
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1230)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1235)
<223> n equals a,t,g, or c

<400> 262
ggcacgagga aagtactttt gctataagtt tcctaaaagt atttaatact ttttttttc 60
aatttagatt aaatctcttg atgaacagtg tgtggttggc aaaatttcca agcactggac 120
tggaattttg agagaggcat ttacagacgc tgataacttt ggaatccagt tccctttaga 180
ccttgatgtt aaaatgaaag ctgtaatgat tggtgcctgt ttcctcattg acttcatgtt 240
ttttgaaagc actggcagcc aggaacaaaa atcaggagtg tggtagtgga ttagtgaaag 300
tctcctcagg aaatctgaag tctgtatatt gattgagact atctaaactc atacctgtat 360
gaattaagct gtaaggcctg tagctctggt tgtatacttt tgcttttcaa attatagttt 420
atcttctgta taactgattt ataaaggttt ttgtacattt tttaatactc attgtcaatt 480
tgagaaaaag gacatatgag tttttgcatt tattaatgaa acttcctttg aaaaactgct 540
ttgaattatg atctctgatt cattgtccat tttactacca aatattaact aaggccttat 600
taatttttat ataaattata tcttgtccta ttaaatctag ttacaattta tttcatgcat 660
aagagctaat gttattttgc aaatgccata tattcaaaaa agctcaaaga taatttttctt 720
tactattatg ttcaaataat attcaatatg catattatct ttaaaaagtt aaatgttttt 780
ttaatcttca agaaatcatg ctacacttaa cttctcctag aagctaatct ataccataat 840
attttcatat tcacaagata ttaaattacc aattttcaaa ttattgttag taaagaacaa 900
aatgattctc tcccaaagaa agacacattt taaatactcc ttcactctaa aactctggta 960
ttataacttt tgaaagttaa tatttctaca tgaaatgttt agctcttaca ctctatcctt 1020
cctagaaaat ggtaattgag attacttcaga tattaattaa atacaatatc atatatatat 1080
tcacagagta taaacctaaa taatgatcta ttagattcaa atatttgaaa taaaaacttg 1140
atttttttgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaaaaaaaa aaaaaaaaag gggcggccgn tntanaggat ccaa 1244

<210> 263
<211> 1132
<212> DNA
<213> Homo sapiens

<400> 263
cttccaactt ggtacctgtg gatatcatag aaagtgtagt ttcaaaggag atggacaaac 60
gatacctaca gtttgatatt aaggcctttg ttgaaaataa tcctgccatt aaatggtgtc 120
ctactccagg ctgtgacaga gcagtaagac taacgaaaca agggtcaaat acatctggat 180
ctgatacact cagcttccca ttgctgagag ctcctgctgt tgattgtgga aaaggacacc 240
tcttctgctg ggagtgcctt ggtgaagcac atgagccttg tgactgccaa acatggaaga 300
attggctgca aaaaataacc gaaatgaaac cagaagaact tgtgggagtt agtgaagcct 360
acgaggatgc cgccaattgt ctctggttat taactaactc caagccttgt gccaactgta 420
agtctccaat acagaagaat gaaggctgca atcacatgca gtgtgctaag tgcaagtatg 480
acttttgctg gatttgcctt gaagagtgga aaaaacatag ttcgtccact ggaggttatt 540
acagatgtac tcgctatgaa gtcattcaac acgtggagga gcaatccaag gaaatgactg 600

tggaggctga gaaaaaacac aaacgatttc aggaacttga cagatttatg cactattata 660
caagatttaa aaaccatgag catagttatc agctagaaca acgccttctt aaaacagcca 720
aagaaaagat ggagcaattg agcagagctc tcaaagaaac tgaaggaggc tgtccagata 780
ccactttcat tgaagatgca gttcatgtgc tcttaaaaac tcggcgcatt ctcaagtgtt 840
cttatccata tggatttttc ttggaaccta aaagcacaaa gaaagaaatt tttgaactaa 900
tgcaaacaga cctagaaatg gtcactgaag accttgccca gaaagtcaat aggccttacc 960
ttcgcacacc ccgccacaag atcatcaaag cagcatgcct tgtacagcag aagaggcaag 1020
aattcctggg catctgtggg ctcgggggag tagctcctgc agactcacca gaagcttcca 1080
aggcgcattt tgstggtggg aacatggggr ttggggrata tttwggggtt tt 1132

<210> 264
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<400> 264
ggcacgagtg aagctgaagt actgcttcac ctgcaagatg ttccggccac cccgaacctc 60
acactgcagt gtctgcgaca actgtgtgga acgatttgac catcactgcc cctgggtggg 120
caactgtgtg gggagacgga actatcgctt cttctacgcg tttattctct ccctctcatt 180
cctgacggcc ttcatcttcg cctgtgtggt cacccacctg acgttgcgcg ctcagggaag 240
caacttcctc tccactctga aggagacacc agcaagcgtg ctgggagttg gtgatctgct 300
tcttctccat ctggtccatt ctgggcctct cagggtttca cacgtacctc gtcgcctcca 360
acctgactac taatgaagac atcaaaggtt cgttggtcca gcaagagggc ggtgagcctc 420
ttgtcaaccc tacagcataa agtattntca ccaatggcgg gtgggnntng ggccctaact 480
tccagctatt gacgggggg 499

<210> 265
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (648)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (713)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (730)
<223> n equals a,t,g, or c

<400> 265
ggagacacca ccattcctct cagcctgtgt ctgtctcaaa ggcgccacct cacctccccc 60
aaaggcagcc gctgcagtcg ccacaccttt gcccctgctg cgatgaccct gtcgccactt 120
ctgctgttcc tgccaccgct gctgctgctg ctggacgtcc ccacggcggc ggtgcaggcg 180
tcccctctgc aagcgttaga cttctttggg aatgggccac cagttaacta caagacaggc 240
aatctatacc tgcgggggcc cctgaagaag tccaatgcac cgcttgtcaa tgtgaccctc 300
tactatgaag cactgtgcgg tggctgccga gccttcctga tccgggagct cttcccaaca 360
tggctgttgg tcatggagat cctcaatgtc acgctggtgc cctacggaaa cscacaggaa 420
caaawtktca ktggcaggtg ggagttcaag tgccagcatg gagaagagga gtgcaaattc 480
aacaaggtgg aggcctgcgt gttggatgaa cttgacatgg agctagcctt cctgaccatt 540
gtctgcatgg aagagtttga ggacatggag agaagtctgc cactatgctg cagctctacg 600
cccaggctgt cgcagaacta tcatgagtgt gcaatgggac gcggcatnag tcatcacgca 660
acgccacgac agatctctca gcacaaagat atgtcctggt acgcaatgga acntgagata 720
accagtctan ctgtt 735

<210> 266
<211> 851
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (834)
<223> n equals a,t,g, or c

<400> 266
ctattggtgt gaacagtgtg atgtacaatt ctcctcaagc agtgaactct acctacattt 60
ccaggagcac agctgtgatg aacagtactt gtgtcagttc tgtgaacatg aaactaatga 120
tccagaagac ttgcatagcc atgtggtaaa tgagcatgca tgtaaattaa tagagttaag 180
tgataagtat aacaatggtg aacatggaca gtatagcctc ttaagcaaaa ttacctttga 240
caaatgtaaa aacttctttg tatgtcaagt atgtggtttt cggagtagac ttcacacaaa 300
tgttaacagg catgttgcta ttgaacatac aaaaattttt cctcatgttt gtgatgactg 360
tgggaaaggc ttttcaagta tgctagaata ttgcaagcat ttaaattcac atttatctga 420
agggatttat ttatgtcaat attgtgaata ttcaacagga caaattgaag atcttaaaat 480
tcatctagat ttcaagcatt cagctgactt gcctcataaa tgtagtgact gcttgatgag 540
gtttggaaat gaaagggaat taataagtca ccttccagtc catgagacaa cttgattatt 600

ctctttaact tacagaatgt tagtttaaaa taataaattc atccttttt tggagatgat 660
taaatggatg attgtaaaca caacttatga aatctgcctt taacaagtaa ctttttaaa 720
ttataaaatt ttattggcat tgctccattt tctgtatata aatatatctt taatgtggta 780
ttttcaaaaa aaaaaaaaaa aaaaaaatcc acgcggccgc gaattcccgg gtcnaacaag 840
ctcactaatc c 851

<210> 267
<211> 1257
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1245)
<223> n equals a,t,g, or c

<400> 267
tcccggtgtt tggtggatgt ggtggtcgcc aaagaagagt tagccattcc naccgcagat 60
tcaaattcga acaggccaaa gtttcagcct gtatattgcg cgcaatcatc agcggacncg 120
gtgatgaagt gatcgaactg gcgaaaacaa atggctaagg taaaaagggt ggcatttccg 180
tcataataag gacatgccat gattgattta cgcagtgata ccgttacccg accaagccgc 240
gccatgctcg aagcgatgat ggccgccccg gttggggacg acgtttacgg agacgaccct 300
accgttaatg ctctgcagga ctacgcagca gagctttccg gtaaagaagc cgccattttt 360
ctgcctaccg gcactcaggc caacctggtc gctctgctca gtcactgcga acgcggcgaa 420
gagtatattg tcggtcaggc cgcgcataac tatctgtttg aagccggtgg cgcggcggtg 480
ctgggcagta ttcaaccgca acccatagac gcggctgccg acggcacgct accgctggat 540

aaagtggcga tgaaaatcaa acccgacgat atccatttcg cccgcaccaa attactcagt 600
ctggaaaaca cccacaacgg caaagtgttg ccgcgggaat acctgaaaga agcatgggaa 660
tttacccgcg agcgcaatct ggcgctgcat gttgacggtg cgcgcatctt taatgccgtg 720
gtggcttacg gctgcgaact gaaagagatc acgcaatatt gtgattcgtt caccatttgc 780
ctgtcgaaag gtcttgggac gccagtcggt tcattactcg tcggtaatcg tgattacatt 840
aaacgtgcca ttcgctggcg gaaaatgaca ggtggcggga tgcgccagtc cggcattctg 900
gctgccgccg ggatatatgc cctgaaaaat aacgttgcgc gcttgcagga agaccacgac 960
aacgctgcct ggatggcgga cagctgcgtg aarcargcgc ggatgtgatg cgtcaggaca 1020
ccaatatgct gtttgttcgc gtcggggaag aaaatgctgc cgcgttaggc gaatacatga 1080
aagcgagaaa cgtgctgatt aacgcctcgc cgattgtccg cctggtgacg catcttgacg 1140
tctcgcgcga acaactggcg gaagtcgccg cccactggcg tgcattcctg gcgcgttaag 1200
gagagaaacg ttncgcnaag cattttagtt ctccgtgnca attgntacat tgtcaac 1257

<210> 268
<211> 1085
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1067)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1081)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1083)
<223> n equals a,t,g, or c

<400> 268
gcaaaatttt agcatctctc aataatcata ctttttctct ttaattatca acaaaatatt 60
ttcatgttaa gctatctctt gcattcctag aataactcta cttgatcatg atgtttttc 120
ttttaataat ggaattataa ataagtatac agtttttgta tgaaaatgtt tttatttctc 180
tggagcatgt acctatggat ggaattacta aatcatatgc tagttctgtg tttaactatt 240
tgaaggattg aaggagtgcc agattgtttt ccaaagtggc tgtaccattt tacattccta 300
cctgcagtgt atgaaggttt caatttctcc acatcctcac caatattatt atctgtcttt 360
ctgattgtag ccatcctagt gggtgtgaag tggatatctt gtgacttgga tttgattttc 420
cctgatggct aatgatattg aacatctatc tttctctgtg cttattggtc atttgtatat 480
tttctttgga gaaatgtcta ttccagatcc yttttctgtt tttaaaaaat arctttattg 540
aggtwtattt gacaaataaa aatttgktgt atatttaaaa tgtatttaaa agaaaattga 600
gagaaaggac tacagagccc cgaattaata ccaatagaag ggcaatgctt ttagattaaa 660
atgaaggtga cttaaacagc ttaaagttta gtttaaaagt tgtaggtgat taaaataatt 720
tgaaggcgat cttttaaaaa gagattaaac cgaaggtgat taaaagacct tgaaatccat 780
gacgcaggga gaattgcgtc atttaaagcc tagttaacgc atttactaaa cgcagacgaa 840
aatggaaaga ttaattggga gtggtaggat gaaacaattt ggagaagata gaagtttgaa 900
gtggaaaact ggaagacaga agtacgggaa ggcgaagaaa agaatagaga agatagggaa 960
attagaagat aaaaacatac ttttagaaga aaaaagataa atttaaacct gaaaagtagg 1020

aagcaraara aaaaaaaaaa aaaaaaaaaa aaaaaagggc ggccgcnctg gggccccagc 1080
ntncg 1085

<210> 269
<211> 1315
<212> DNA
<213> Homo sapiens

<400> 269
ggcggcagcg ccggaaagga ggccaagagc gcgggcggcg aggcaagatg gcggcaacca 60
agaggaaacg gcgtggaggc tttgcagttc aggcgaagaa gccaaaaaga aacgaaatag 120
atgcggagcc gccagctaag cggcacgcca cagcagagga ggtggaggaa gaagagaggg 180
accggatccc aggccccgtt tgcaagggaa agtggaaaaa taaggaacgg attctcatct 240
tttcttccag aggaataaat tttagaacaa gacatttaat gcaggacttg agaatgttga 300
tgcctcattc taaagcagat actaaaatgg atcgtaagga taagctattt gtgattaacg 360
aggtttgtga aatgaagaac tgtaataaat gcatctattt tgaagctaag aaaaaacagg 420
atctctatat gtggctttca aattcacctc acggaccatc tgctaaattc cttgttcaaa 480
atattcatac cctcgctgaa ctgaagatga ctggaaactg tttgaaaggt tctcggcccc 540
ttttgtcttt tgaccctgct tttgatgaat taccacatta tgctttgkta aaagaactct 600
taattcagat ctttagtaca ccacggtatc atcccaaaag ccaaccattt gtggaccacg 660
tgtttacttt caccattttg gataatagga tatggtttcg gaactttcag atcatagaag 720
aagatgctgc tcttgtagaa ataggacctc gttttgtctt aaatctcata aagattttcc 780
agggaagttt tggaggacca actttatatg aaaatcctca ctaccagtca ccaaacatgc 840
atcggcgtgt cataagatcc atcacagctg caaaatacag agagaaacag caagtgaaag 900
atgtgcaaaa actgagaaag aaagagccga agactcttct tccacatgat cccactgcag 960
atgtttttgt aacaccagct gaggagaaac caatagaaat acagtgggta aaaccagagc 1020
caaaagttga tttgaaagca agaaagaaac ggatttacaa aaggcaaaga aaaatgaaac 1080
agaggatgga cagtgggaaa acaaaataag tcaatggaaa cctgatttgt ttttcagtta 1140
ctttatattt attttgtatt caatgtgtaa atacttttat tatctaatac tatcttacgt 1200
ctaattagtg tagcatttac aagaaagaaa aattaagatc ttaaaatcag tgattatctt 1260
tttctaaata aaatatcacc agaattcatc agttaaaaaa aaaaaaaaaa aaaaa 1315

<210> 270
<211> 2959
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2948)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2956)
<223> n equals a,t,g, or c

<400> 270
ccattcccgg gtcgacccac gcgtccgctg gaaatttgga ttctccagaa ggtggtttcg 60
atgccatcat gcaagttgca gtttgtggat cactgattgg ctggaggaat gttacacggc 120
tgctggtgtt ttccacagat gccgggtttc actttgctgg agatgggaaa cttggtggca 180

ttgttttacc aaatgatgga caatgtcacc tggaaaataa tatgtacaca atgagccatt 240
attatgatta tccttctatt gctcaccttg tccagaaact gagtgaaaat aatattcaga 300
caatttttgc agttactgaa gaatttcagc ctgtttacaa ggagctgaaa aacttgatcc 360
ctaagtcagc agtaggaaca ttatctgcma attctagcaa tgtaattcag ttgatcattg 420
atgcatacaa ttccctttcc tcagaagtca ttttggaaaa cggcaaattg tcagaaggmg 480
taacaataag ttacaaatct tactgcaaga acggggtgaa tggaacaggg gaaaatggaa 540
gaaaatgttc caatatttcc attggagatg aggttcaatt tgaaattagc ataacttcaa 600
ataagtgtcc aaaaaaggat tctgacagct ttaaaattag gcctctgggc tttacggagg 660
aagtagaggt tattcttcag tacatctgtg aatgtgaatg ccaaagcgaa ggcatccctg 720
aaagtcccaa gtgtcatgaa ggaaatggga catttgagtg tggcgcgtgc aggtgcaatg 780
aagggcgtgt tggtagacat tgtgaatgca gcacagatga agttaacagt gaagacatgg 840
atgcttactg caggaaagaa aacagttcag aaatctgcag taacaatgga gagtgcgtct 900
gcggacagtg tgtttgtagg aagagggata atacaaatga aatttattct ggcaaattct 960
gcgagtgtga taatttcaac tgtgatagat ccaatggctt aatttgtgga ggaaatggtg 1020
tttgcaagtg tcgtgtgtgt gagtgcaacc ccaactacac tggcagtgca tgtgactgtt 1080
ctttggatac tagtacttgt gaagccagca acggacagat ctgcaatggc cggggcatct 1140
gcgagtgtgg tgtctgtaag tgtacagatc cgaagtttca agggcaaacg tgtgagatgt 1200
gtcagacctg ccttggtgtc tgtgctgagc ataaagaatg tgttcagtgc agagccttca 1260
ataaaggaga aaagaaagac acatgcacac aggaatgttc ctattttaac attaccaagg 1320
tagaaagtcg ggacaaatta ccccagccgg tccaacctga tcctgtgtcc cattgtaagg 1380
agaaggatgt tgacgactgt tggttctatt ttacgtattc agtgaatggg aacaacgagg 1440
tcatggttca tgttgtggag aatccagagt gtcccactgg tccagacatc attccaattg 1500
tagctggtgt ggttgctgga attgttctta ttggccttgc attactgctg atatggaagc 1560
ttttaatgat aattcatgac agaagggagt ttgctaaatt tgaaaaggag aaaatgaatg 1620
ccaaatggga cacgggtgaa aatcctattt ataagagtgc cgtaacaact gtggtcaatc 1680
cgaagtatga gggaaaatga gtactgcccg tgcaaatccc acaacactga atgcaaagta 1740
gcaatttcca tagtcacagt taggtagctt tagggcaata ttgccatggt tttactcatg 1800
tgcaggtttt gaaaatgtac aatatgtata atttttaaaa tgttttatta ttttgaaaat 1860
aatgttgtaa ttcatgccag ggactgacaa aagacttgag acaggatggt tattcttgtc 1920
agctaaggtc acattgtgcc tttttgacct tttcttcctg gactattgaa atcaagctta 1980
ttggattaag tgatatttct atagcgattg aaagggcaat agttaaagta atgagcatga 2040
tgagagtttc tgttaatcat gtattaaaac tgatttttag ctttacaaat atgtcagttt 2100
gcagttatgc agaatccaaa gtaaatgtcc tgctagctag ttaaggattg ttttaaatct 2160
gttatttttgc tatttgcctg ttagacatga ctgatgacat atctgaaaga caagtatgtt 2220
gagagttgct ggtgtaaaat acgtttgaaa tagttgatct acaaaggcca tgggaaaaat 2280
tcagagagtt aggaaggaaa aaccaatagc tttaaaacct gtgtgccatt ttaagagtta 2340
cttaatgttt ggtaactttt atgccttcac tttacaaatt caagccttag ataaaagaac 2400
cgagcaattt tctgctaaaa agtccttgat ttagcactat ttacatacag gccatacttt 2460
acaaagtatt tgctgaatgg ggacctttg agttgaattt attttattat ttttatttg 2520
tttaatgtct ggtgctttct atcacctctt ctaatctttt aatgtatttg tttgcaattt 2580
tggggtaaga ctttttttat gagtactttt tctttgaagt tttagcggtc aatttgcctt 2640
tttaatgaac atgtgaagtt atactgtggc tatgcaacag ctctcaccta cgcgagtctt 2700
actttgagtt agtgccataa cagaccactg tatgtttact tctcaccatt tgagttgccc 2760
atcttgtttc acactagtca cattcttgtt ttaagtgcct ttagttttaa cagttcactt 2820
tttacagtgc tatttactga agttatttat taaatatgcc taaaatactt aaatcggatg 2880
tcttgactct gatgtatttt awcaggttgt gtgcatgaaa tttttataga taaagragtt 2940
gaggaaanaa aaaaanaaa 2959

<210> 271
<211> 2025
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1916)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1944)
<223> n equals a,t,g, or c

<400> 271
ttattttaca gcctcaaata tttctcatta tcttgtcact tagttcttca tgtttctcct 60
tctgactttt aataatggta ataggaaaac aaaacccaaa gcttttcaga acttcagtgt 120
gaggtttcct attttracaa gttaacttgt aaatactcag gttttacgat gtataattta 180
cctaatagac caaactaact catggagata ttttgaacta ttatttaggt acaaacttta 240
taaagaatgt tagtatgtca taaaatataa cattacagct tatttaaaac caaatatagt 300
tgaacatatt taaaatacat tttcacagaa tggatgaatt agttgtttct tcagagttac 360
ttatgaacag ttgaatgctt taaaatgttc tgtctgtagg taacatctaa aacacaagtg 420
ggtttattta aatttttaaa atttgaaatt ttttatttgc aaaaaattgt tttatgcttt 480
attatatcgc aaatgagtgt cagatttttg agtaccaatg atcatgcttc cattttttt 540
agttttaaac caccaaacca atatttttcc tttaaatttt aatcttataa tatagaaatc 600
ttatgtaaat gaaatttttgt catgtttcaa ataaagagaa ctgaagtaga aaatagaaat 660
gccagtaaac aacataatgt ttaatttaca acttacatta ggggtttggg ggaatgctaa 720
ttatatattg agaatataca ttagaactct tcaaaatggg ctcttctaat gaggtcacta 780
ctgaacaaaa ttgttccctc ttctgttaaa tagaataggt ttaaatgact agtcaaatga 840
attatttttct tcttgttaaa taaattaaat cttactttct tttaatgacc aaccttaggt 900
aaaacaaaaa tattgtaatc ctagaaatta tcctccagct ttctcacctg aaaatctatt 960
gaagtgatcc ctggtcatcc taataatggg atgagggaag tttccagcag atttcaggct 1020
gttcttaaag tttttgttgg tcatttttctc aatagtacat gaaatcaaga tgcttatgag 1080
catggaaatg tatttaaagt ttttgcttgt gtcctcctca gtcagaatag aaaagtaact 1140
gaaatactct tacctttctg tccttgataa aatagtaaag aaaaccaaac aaacccaggc 1200
ctgatgggaa aaatgattcc tttattctag caacttactt tctgttggta tgggaaatgt 1260
tattaatttc tattactaaa gttcatatca caaaatgata tttaataata accttggggt 1320
aaatcatgaa tttttttttnc tacgtgtgag tataaaagac aaaagttgaa cagcatggaa 1380
tctcattgcc aaattattag tgaatgtata gttcaggtat tctttgagac acacagtatc 1440
attaatttcc gaattgtatt tcagtgttat tttttgtttg tgaccactaa gcttctgtct 1500
taatacaaag ctgttacctt ctacagaatt taagtctgaa gatgtaaaga gagaacaggc 1560
cttgtgtaac agaagatact ctttttttatg ctccttactg tgatcacaga aaaattaaaa 1620
atccaagtgc tctctagatt tgttgataaa cattttatgc ttgcatttaa acttgaaatg 1680
tatgagcaga atgagacaat cagttaaatc agaaatgaga agtattataa tgtaaaggcc 1740
ttgttttgct gtagcaataa aatgaccaag tgcaatgact tgatttaata aaatcatatt 1800
ttaaaagtgc tgstatgaaw atttttggct ataaaatttt accctgactt gstttcaata 1860
actgttacgt aatgcagttt gatgttgtaa cctaacattc caaaaaaaaa attganaggg 1920
ggaatctcaa aatagtatat actncactaa cttgtttaca ggtgctgtat ttaaaagcat 1980

gcttctctct caaaaagaaa aattaaagga ttttattgcc aaacc 2025

<210> 272
<211> 852
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (767)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (769)
<223> n equals a,t,g, or c

<400> 272
ccacccgcca caaggcccag ctaatttttg tatttttagt agagacaggg tttgattatg 60
ttggacaggc tggtctcaaa ctcctgactt caagtgatcc acccgcctcg gcctcccaac 120
gtgawgggac tatagacatg agccatcgtg cytggccttc ttgawtcttg aatacggggt 180
tttgaggtga aagcatttca tgaaaactta agttcataca caagagcatc atgaatattc 240
taaaagaggt atctgtgctt tttttgtgac cacaaaatat tacttcttat gaaatgttta 300
cactaggtga ggaaaagttc attaattacc tttaaaccgt tccttatttt ttttaagatt 360
ttaaattgta ttttggcttt tgcctccagt atcctttctg gttgctctgg tttgaattaa 420
gttcctatta tgctgcagca catatcaacc ttccctaagt aaccatttcc tggaatgtga 480
agcatcggtg ccattagcag accatatgca gaaatgtcgt gtacttgcat ttctttttg 540
tgcactctat aaggctggtt gtgactcaga tcagcttaac tttttatatt atgttatttc 600
actaactgct acagtcaaaa tgatcaaatc tttgtacaat agaaaattat ttaaatttta 660
tttttctact gacatttcta attctagtgt aaatgtttat caataaaaaa ttactttcaa 720
ttctgagttg gaattatatt tctttttggt ggctaaatga ggttaancnt ttggaataaa 780
aaatgacttc aagttttcaa ttttttaaaa taacttaaaa atcttagcaa gggggaaact 840
ttttttaag gg 852

<210> 273
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<400> 273
gcccaantac tttccagccc agtaaggggt atttcaggag agcagtccac tkaaggttct 60

BNSDOCID: <WO___0122920A2_I_>

ttccctttaa gatatgtgca ggatcaagtt gcggcacctt ttcagctgag taaccacact 120
ggccgcatca aggtggtctt tactccgagc atctgtaaag tgacctgcac caagggcagc 180
tgtcagaaca gctgtgagaa ggggaacacc accactctca ttagtgagaa tggtcatgct 240
gccgacaccc tgacggccac gaacttccga gtggtaattt gccatcttcc atgtatgaat 300
ggtggccagt gcagttcaag ggacaaatgt cagtgccctc caaatttcac aggaaaactt 360
tgtcagatcc cagtccatgg tgccagcgtg cstaaacttt atcagcattc ccagcagcca 420
ggcaaggcat tggggacgca tgtcatccat tcaacacata ccttgcctct gaccgtgact 480
agccagcagg agtcaaagtg aaatttcctc cttaacatag tcaatatcca tgtgnaacat 540
cctcctgaag cttccgtcca gatacatcag g 571

<210> 274
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (667)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (689)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (701)
<223> n equals a,t,g, or c

<400> 274
gtaagtttga gagcatctgc tggaaaacca ctagaatttg caaacggcca cctcaaaata 60
ctccagccag tcccactaag ccaaagacca gaatctgaga acagggatgg ggaaattatt 120
cctttctgtg gatgattatg cagctgggcc atgatttcac acccgggggc catgggctaa 180
gatggagggg aaggaaggaa tgtaatgtgt gccctctacc tcttcaccag gcatcatcct 240
ctcactggcc ctggctggca ttcttggcat ctgtattgtg gtggtggtgt ccatttggct 300
tttcagaagg aagagtatca aaaaaggtga taacaaggga gtcatttaca agccagccac 360
caagatggag actgaggccc acgcttgagg tccccggagc tcccggggca catccaggaa 420
ggaccttgct ttgggaccct acacacttcg gctctctgga cacttgcgac acytcaaggt 480
gttctctgta gctcaatctg caaacatgcc aggcctcagg gatcctctgc tgggtgcctc 540
cttgccttgg ggaccatggc caacccagag ccatccgatt cgatggatgg ggatgcactc 600
ttcagaccaa gccagcagga attccaaagc tgcttgctgt aaatgtgtga gattgtgaat 660
gggctgnatt ctggattcaa aaccagccng ctggtgggcc ntaaggttgg 710

<210> 275
<211> 595
<212> DNA
<213> Homo sapiens

<400> 275
taaaagagtg tcctaacagt ccccgggcta gagaggacta aggaaaacag agagagtgtt 60

acgcaggagc aagcctttca tttccttggt gggggagggg ggcggttgcc tggagagggc 120
cggggtcggg gaggttgggg ggtgtcagcc aaaacgtgga ggtgtccctc tgcacgcagc 180
cctcgcccgg cgtggcgctg acactgtatt cttatgttgt ttgaaaatgc tatttatatt 240
gtaaagaagc gggcgggtgc ccctgctgcc cttgtccctt gggggtcaca cccatcccct 300
ggtgggctcc tgggcggcct gcgcagatgg gccacagaag ggcaggccgg agctgcacac 360
tctccccacg aaggtatctc tgtgtcttac tctgtgcaaa gacgcggcaa aacccagtgc 420
cctggttttt ccccacccga gatgaaggat acgctgtatt ttttgcctaa tgtccctgcc 480
tctaggttca taatgaatta aaggttcatg aacgctgcga aaaaaaaaaa aaaaaaaatt 540
tgccctatca gtgagtcgga ttaattgtcc gcgcggccgg acatttagta gtagt 595

<210> 276
<211> 1172
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<400> 276
tactatttat agctttagat agggcctccc ttcccctctt ctttctttgt tctctttcat 60
taaacccctt ccccagtttt ttttttactt ttaaaccccg ctcctcatgg ccttggccnt 120
ttctgaagct gcttcctctt ataaaatagc ttttgccgaa acatagtttt ttttttagcag 180
atcccaaaat ataatgaagg ggatggtggg atatttgtgt ctgtgttctt ataatatatt 240
attattcttc cttggttcta gaaaaatага taaatatatt tttttcagga aatagtgtgg 300
tgtttccagt ttgatgttgc tgggtggttg agtgagtgaa ttttcatgtg gctgggtggg 360
tttttgcctt tttctcttgc cctgttcctg gtgccttctg atggggctgg aatagttgag 420
gtggatggtt ctacccttttc tgccttctgt ttgggaccca gctggtgttc tttggtttgc 480
tttcttcagg ctctagggct gtgctatcca atacagtaac cacatgcggc tgtttaaagt 540
taagccaatt aaaatcacat aagattaaaa attccttcct cagttgcact aaccacgttt 600
ctagaggcgt cactgtatgt agttcatggc tactgtactg acagcgagag catgtccatc 660
tgttggacag cactattcta gagaactaaa ctggcttaac gagtcacagc ctcagctgtg 720
ctgggacgac ccttgtctcc ctgggtagga ggggggggaa tgggggaggg ctgatgaggc 780
cccagctggg gcctgttgtc tgggaccctc cctctcctga gaggggaggc ctggtggctt 840
agcctgggca ggtcgtgtct cctcctgacc ccagtggctg cggtgagggg aaccaccctc 900
ccttgctgca ccagtggcca ttagctcccg tcaccactgc aacccagggt cccagctggc 960
tgggtcctct tctgccccca gtgcccttcc ccttgggctg tgttggagtg agcacctcct 1020
ctgtaggcac ctctcacact gttgtctgtt actgattttt tttgataaaa agataataaa 1080
acctggtact ttctaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaagggcg gccgctcgcg atctagaact ag 1172

<210> 277
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (773)
<223> n equals a,t,g, or c

<400> 277
cgcggacaag gccaggctag ccttgagctc cgtcgggcag ggcgccggga ttggtgtccg 60
gcagagcgtg agccagcggt gcgamgtcgg cgagcgggag tgaaagaaga aaagctagag 120
agcgaaggca aagccgagga gagagggccg cggtcggcga nggaatctga ctgcacggtt 180
gcgtgcgctc acttccggag gctccctcag scgggcggct ccgstagtgg ctaaaggcaa 240
agcattccgg ggcgcggcgc atgaagttga gcttcgtccc tgctagccgc cgctttctcc 300
ccaaaaatac atcctagcct taatgtttat gcctccattg ccccagttct tatctgtttt 360
gctcaatgtc tcatagctac aagaaggcaa tttctgacga agccctccgt sccttccaaa 420
tggattattt tggcgggctt ycacccggac agtatgccac ccgaatgact ggacaagtgc 480
acgggagcgg ctgtcatttg cggagtgcgc cttgcgatct aggcgcctca cagcgmaayt 540
atccagtaat ttctctgaaa tcgatgctgg tttgttttcc caaggcaaat cagcagctta 600
tacagacatt ggggccacaa agccggtgga acaacgggag acggcttcct gagtgtcagg 660
tcctccaaga tgagcttaaa mttcgggtgg tgggcaggyt cgtaggcggg aaaggsccgt 720
gtccagatgr atgcaktcca tgtatatatt gatgaaagac acgtatacca ttnggtcaag 780

<210> 278
<211> 2375
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (920)
<223> n equals a,t,g, or c

<400> 278
cggcagcgna ccaagatggc ggcgccctgt gagggacaag cgtttgccgt agggttgaaa 60
agaattgggg tgcagtagtt cgctccccag aagggacccc ccagaaaatc cggcagctga 120
tagatgaggg gattgccccg gaagagggag gcgtggacgc gaaggacacg tctgccacat 180
cccagtcagt taatggatca ccccaagcgg aacaaccttc attggaatct acaagcaaag 240
aagccttctt tagcagagtg gaaacatttt cttctttgaa atgggcaggt aagccctttg 300
agctgtctcc actcgtctgt gcaaaatatg gctgggtcac agtggaatgt gatatgctca 360
agtgctctag ctgtcaagct tttctctgtg ccagtttaca accagctttt gactttgaca 420
gatataagca acgatgtgct gagctgaaga aagccttgtg tactgcccat gagaagttct 480
gtttctggcc agacagccca tccccagacc gatttgggat gttgcccctg gatgagcctg 540
ctattcttgt tagtgaattc ctagatcgtt ttcaaagcct ttgtcacttg gacctccagc 600
ttccttccct aaggccggag gacttgaaaa ctatgtgctt gacagaagac aagatcagtc 660
ttctcctaca cttgcttgaa gatgaacttg atcaccgaac tgatgagaga aaaactacaa 720
tcaaattagg ctcagacatc caagtccacg tcactgcctg tattctctct gtgtgtggct 780
gggcgtgtag ttcctctttg gaatccatgc agctctccct gatarcatgt tcgcaatgta 840

tgargaargt ggggctctgg ggcttccagc agattgaatc gtccatgact gacctggatg 900
catctttgcc tgaccagctn cccaatccca ggccttgagg ggcgaccaga gcgcttacct 960
ctggtgcctg aatctcctcg gaggatgatg acccggagcc aggatgccac tttctcccca 1020
ggctcagagc aggctgaaaa gagccctggt cccattgtct cwcgaactcg gagctgggac 1080
tcttccagtc ctgttgaccg tcctgagcca gagctgctag ccccaccacc agaactcgcc 1140
cagtgacccg aagcatggga acaggagaca cccctggcct ggaggtacca tctagccctc 1200
tgcggaaagc aagcragctc gcctctgctc ctccagcagt tcggacacat cttcccgaag 1260
cttctttgat cccacctctc agcatagaga ctggtgccct tgggtgaata tcacacttgg 1320
caaagaaagc agggagaatg gtggaactga accagatgcc agcgccccag cagagccagg 1380
ctggaaagca gtgctgacca tcctcttggc gcacaaacag tctagccagc cagctgaaac 1440
ggactccatg agtctctctg agaaatcaag gaaagtattc cgaatatttc ggcagtggga 1500
atctctgtgc tcatgctgaa gatactccag cgccttcctg gagatagctg gaatgagagt 1560
gacttttga aaaattaagg ctgagttcct ttcggtcagc tgacactaag ttttttcctgt 1620
tctgggttaa tcataaggag ccccctgcca tagcaaaggc agtgagtgtc aactatctgc 1680
atctggctga gagagacccg tttcctttca gggatgtgga cagggtaagg gcagcaagca 1740
tggttctgtt aaaggagtgt ggggttaaca gactagaagg aagactaagg acctgaccac 1800
ccatttcagc atcttcaatg tggagcagtg ttctgaggac tcttctatcc taggactatg 1860
acagtgtgta ttaataaaat atttgctaag attctcattg ttggagaact gttttccccc 1920
ttgccctgtg ggccggagaa acttcagtgg aacattcaac ttttgatttt cagattggct 1980
gcaaagcctw aaatttgkga ttccagtcaa ggaggtataa tctttcctwa accaaaagca 2040
agatgatttt cattatgcca ccaggaaatt tcctggtgtg ttatagtgaa tggtcaactg 2100
ataatttttct ccttgctttg ataataacag aataaaacaa cgtaatgggg aggaaggcac 2160
ttcagaagar acccctytcc atgtgccatt gaatgcatga gtcccccart tgggcttccc 2220
caagactcgt tgcttttggg ggatcatcag tttttgtggt agagaaggtg gaccctgaac 2280
tgcccactga taaagtaacc atgacctagc aaaggctaga aagtgattat tctctgatat 2340
ggccatgttt ttcgtcactg agattgtttc tcgtg 2375

<210> 279
<211> 2461
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1164)
<223> n equals a,t,g, or c

<400> 279
tttcaattct tggntttctg ttcccttcta ccaaaaccca gcataggact cagtgtacac 60
ttactttaaa acaaaaactc acatttctta gctgcaggtg atggcctcag tcattttaat 120
acagcctgga atgagtttgc ttattaccca gtcactttcg tagtgaatgt tcaaacccca 180
aagcaaatgt ttgcatctcc ttgtccataa aggagaaagc caggttatag gagaaagaga 240
gagaaaggcg catgtctgtt tgcacagaga gaggcaattt tgtctacctt tcgagaatca 300
gttataaaca gaagggcctc ttaggatttt gagctctcct gacaatgaag gaaaagctct 360
cttgagtata caagttccac actcattacc tttcagtggt gacccatcac ccactacaat 420
ttgttgaagg aagggagtgt cagagatatg ctttaaagtt gtactttagg ctgaaattct 480

ctctgtattt ggacctgcag atgttgtgta cagaaccgat gcatggcagg gtcaggaagc 540
taggagagtg aaggcgcttg tggagacagc tctgtagcaa atgaaacacg gaagcctccg 600
ggaatgtgtt tgtgtcacca gcagcaggca tttccctgtc ctccccaccc ccagtctcca 660
catccccagc agcctcttcc agaagcatgt cagggagacg gacaggtgct ctccttctcg 720
tgcaccacat ccaagtccac ccaccgtgga cgcagtgtga ctaaatgctg gccttgaaga 780
gaaaccctca gccagcttgt ctgttgtcca ggtccctcag tgtctctggt ttccctgccc 840
tgcataattt aagcattagt gccaaataca tctgtcatat tcctctccct ggagactgcg 900
aaatgtccag acttttttcag actagtggag ggaaggaatg ttacataact aagtggaggc 960
ctggaactgt caggatttga cagggctgga ccagagaccc ttccgcctct gcctagtgtg 1020
tctgtcaggc aggcagcagc catcaatcca agaatgagcc atggcggcaa gcactktgtg 1080
gagaaaggaa cccagccgag gtctgagttt cagacagaaa ctggggagtt gggacatctt 1140
ctctgtgcca ggcttcattg acancatcgg tccttcattg asctgagccc aagccctcag 1200
tggaacctgt caagagcatc agcagcatgg agctgaagac cgagcccttt gatgacttcc 1260
tgttcccagc atcatccagg cccagtggct ctgagacagc ccgctccgtg ccagacatgg 1320
acctatctgg gtccttctat gcagcagact gggagcctct gcacagtggc tccctgggga 1380
tggggcccat ggcacagagc tggagcccct gtgcactccg gtggtcacct gtactcccag 1440
ctgcactgct tacacgtctt ccttcgtctt cacctacccc gaggctgact ccttccccag 1500
ctgtgcagct gcccaccgca agggcagcag cagcaatgag ccttcctctg actcgctcag 1560
ctcacccacg ctgctggccc tgtgaggggg cagggaaggg gaggcagccg gcacccacaa 1620
gtgccactgc ccgagctggt gcattacaga gaggagaaac acatcttccc tagagggttc 1680
ctgtagacct agggaggacc ttatctgtgc gtgaaacaca ccaggctgtg ggcctcaagg 1740
acttgaaagc atccatgtgt ggactcaagt ccttacctct tccggagatg tagcaaaacg 1800
catggagtgt gtattgttcc cagtgacact tcagagagct ggtagttagt agcatgttga 1860
gccaggcctg ggtctgtgtc tcttttctct ttctccttag tcttctcata gcattaacta 1920
atctattggg ttcattattg gaattaacct ggtgctggat attttcaaat tgtatctagt 1980
gcagctgatt ttaacaataa ctactgtgtt cctggcaata gtgtgttctg attagaaatg 2040
accaatatta tactaagaaa agatacgact ttatttttctg gtagatagaa ataaatagct 2100
atatccatgt actgtagttt ttcttcaaca tcaatgttca ttgtaatgtt actgatcatg 2160
cattgttgag gtggtctgaa tgttctgaca ttaacagttt tccatgaaaa cgttttattg 2220
tgtttttaat ttatttatta agatggattc tcagatattt atatttttat tttatttttt 2280
tctaccttga ggtcttttga catgtggaaa gtgaatttga atgaaaaatt taagcattgt 2340
ttgcttattg ttccaagaca ttgtcaataa aagcatttaa gttgaatgcg aaaaaaaaaa 2400
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagggcggc cgctcgcgat ctagaactag 2460
t 2461

<210> 280
<211> 2520
<212> DNA
<213> Homo sapiens

<400> 280
accacttgca ctccagcctt gaacagagtt aggatcctgt caaaaaagaa aagaaaaaga 60
aagcagcatt caaatgtaag acaactgtaa aatattgagc cccacttggt ctaaaattca 120
aaaagaagaa cgcctgtcca tcgccttttt ataagtcctt ctctccacac ctaaaagcag 180
ctgcagctgg aagggcacaa attccactgt gtaaaataaa atattagggg caacacactt 240
catcaaggca gcaggaatga gagagagcag agaagatcaa ggatgaagtc ttgggtactg 300
aaaaattcag tgctgggcag aaaaactgac agggcagtac aagtaacaaa cagaatccaa 360
gtggggtggc ccttgtgcac agagctccag gtgacctctg gagagacatg ggcattcaca 420
tggaaagcta aaacggaagc tcaagtttca tactcaacat aatcttctgt gtgacaaagg 480
acaagccatg tagcctctct gtgcctattt cttcatgcat aaactgggac tcataatatt 540
tgtaaaatgt attgatactc tcagggcaaa ttcactatat tgctatacag ttgagatcag 600

tgttgtaaaa ttaaactgat ctggttctaa ttgcctcaaa ggccaaagcc caggcatttg 660
aaatggaaag aagcagagag gaggctgact tagctgattg gtatggaaac agttgggcca 720
agagccagaa tttccctttg tagcaacacg gctagtttta ctttgagaag ctctgctcag 780
ctgctttata acattaagtc tggcggaatg gatgtcactg tgcacaataa agttttcaca 840
agtataaaca atggtgatgt aagtcaacat tgctgtagcc aggtgtgaag gttgtatggt 900
gtgtgacgaa tgtacatcat gtttgtaggt ttggatgcta atcttgaatt gtagyttaaa 960
aaatacgtat ttttgtaact ctttgaaagt ttatgaagac tgacagcttt ccttgtaagc 1020
actaagagaa aaaaaagaaa gagggacatt tgacaatttt aaagaaacaa caagaaatta 1080
gaatgaaaat ctgtgacaaa cagcgtcagt gtggccatgt ccacattcct acatgtctct 1140
ctctacaagc acctctctaa gaagcctgac atcccggtgg actctttata gtcatgtaca 1200
cttgattcca gatgagctct ggtcttatct ggatgctcag ataagaggtt tctatctgag 1260
catccaatgt tccctcaggt tccaagacat ttcaccccag gccctgggtt tcactctggg 1320
aattcgtagg cttcacgtct ctctagaaat gacgtgtaaa atttaagacc agacctcagc 1380
catcagcgtc cagaccatcc tagaagtctt tcccaatctc acagagaaag ccctagtatt 1440
tcccagtgac cccaggattc cacgttgggg tggccaaaga aataggtctc tcagggcttt 1500
gccacagcct ccagcccatc cttcagaggc acacacagca cctctcggct gctccagctc 1560
tgtaggatag cctcccctgg ggtccgtggg acgcgggcca cagtgttgag gtagacaagg 1620
aggatcagtg agaggcctct tccctctcca cagagactgg attgtcattg ttccttcatt 1680
tatatcgtag ggcttaacat ttcactcaaa aaaaagcccc tctttttcta atccttagtc 1740
tttgtttcaa ggaaagccag tttttcttct accacatttt ccaggatcga ctttaagaaa 1800
aatgcaacat ctattgaaaa aaagtggggt gtatgcatgt ggtttaattc cagattgctt 1860
ttgggtttaa gtggtatcaa atttcagtat atttctgtct tatgtgaaag aaatatatta 1920
ctaaaacgtc agtgagcaat aatgtcagct gtcaagcact agatttattt ttgcaggata 1980
tggagtgcaa tgaactgagt caatatggca aggtgtatgt gatctgtggg agttatgcca 2040
tttaacatag gaagtgcatg ggactttccc tctctgcact ccagctctta ctgtaccatt 2100
agaagatgca gaattctgtt ggtgtgcaaa aagtatagcc ttacattcaa gcagaatgga 2160
tctgaagaaa gcagcaatat ctgttactag agaacattcc catgtgttta aactcttcac 2220
ttcttagatg catttaaatt cttaatgcaa atgacgtagc aatttgaaaa cttctccgta 2280
ttacttgtgt ttaaaatgtc ttgctttaaa tacaaaacaa atggtaaagg ggattatctt 2340
ttgtttagat ggttaaatat tatttttgcc ttagatagct ttgtaataat ttttctccag 2400
acagttcaac acttttgaaa aatgacatga attttcatta aaaacccttt tcctatgttt 2460
attgtataca agaattatgc aataaaattt ctttataaaa ataaaaaaaa aaaaaaaaaa 2520

<210> 281
<211> 1448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1440)

<223> n equals a,t,g, or c

<400> 281
cagcgccact agcctcattg tgcccaggag ttctccaaac ccgcgctgcg gagtgagtga 60
ccaagttccg gccagttcga cctcgaggat ccagaggtgg agacggtact acctcccagc 120
tctgttttcc atccccttca ggtccttcct cgggaggcgg cgaaggcggt ccaccctgcg 180
cgtgatcctt yatgcccggc ccctgccccc ccctccgggt ggaacttccc cctcaccgcc 240
agacttaagc tgaggatcgt tggatctctg gcggggtgca gaactgagcc caggccacag 300
taccctattc acgctctgtg cttgtgccaa gggggcaatg gcggcttcct gtgttctact 360
gcacactggg cagaagatgc ctctgattgg tctgggtacc tggaagagtg agcctggtca 420
ggtaaaagca gctgttaagt atgcccttag cgtaggctac cgccacattg attgtgctgc 480
tatctacggc aatgagcctg agattgggga ggccctgaag gaggacgtgg gaccaggcaa 540
ggcggtgcct cgggaggagc tgtttgtgac atccaagctg tggaacacca agcaccaccc 600
cgaggatgtg gagcctgccc tccggaagac tctggctgac ctccagctgg agtatctgga 660
cctgtacctg atgcactggc cttatgcctt tgagcgggga gacaacccct tccccaagaa 720
tgctgatggg actatatgct acgactccac ccactacaag gagacttgga aggctctgga 780
ggcactggtg gctaaggggc tggtgcaggc gctgggcctg tccaacttca acagtcggca 840
gattgatgac atactcagtg tggcctccgt gcgtccagct gtcttgcagg tggaatgcca 900
cccatacttg gctcaaaatg agctaattgc ccactgccaa gcacgtggcc tggaggtaac 960
tgcttatagc cctttgggct cctctgatcg tgcatggcgt gatcctgatg agcctgtcct 1020
gctggaggaa ccagtagtcc tggcattggc tgaaaagtat ggccgatctc cagctcagat 1080
cttgctcagg tggcaggtcc agcggaaagt gatctgcatc cccaaaagta tcactccttc 1140
tcgaatcctt cagaacatca aggtgtttga cttcaccttt agcccagaag agatgaagca 1200
gctaaatgcc ctgaacaaaa attggagata tattgtgcct atgcttacgg tggatgggaa 1260
gagagtccca agggatgcag ggcatcctct gtaccccttt aatgacccgt actgagacca 1320
cagcttcttg gcctcccttc cagctctgca gctaatgagg tcctgccaca acggaaagag 1380
ggagttaata aagccattgg agcatccaaa aaaaaaaaaa aaaaaanayc tngsggccgn 1440
caagggaa 1448

<210> 282
<211> 827
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (725)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (800)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (814)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (815)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (819)
<223> n equals a,t,g, or c

<400> 282
gcggacgcgt gggcggacgc gtgggtccaa gggaccccaa agctccaggg cagtttgggc 60
gtcctgtagt tgtcccccat ggaaaggaga aggaggcaga aagaagatgg aaagaaggaa 120
acttcaatgt ctaccttagc gatttgatcc cagtggatag agccattgaa gacaccagac 180
ctgctggatg tgcagagcag ctagttcaca ataacctccc aaccaccagt gtcatcatgt 240
gctttgtgga tgaagtgtgg tccactctcc tgagatctgt tcacagtgtc atcaatcgct 300
ctcctccaca cctcatcaag gagattctgc tggtagatga cttcagcacc aaagactatc 360
taaaagataa tttggataaa tacatgtccc agtttccaaa agttcggatt cttcgcctca 420
aagagagaca tggcttaata agggccaggc tggcaggagc acagaatgca acaggtgatg 480
tgttgacatt tttagattct catgtggaat gtaacgttgg ttggttggaa cctcttctgg 540
aaagagttta tttaagtaga aagaaagtgg cctgtccagt aatcgaagtc atcaatgata 600
aggatatgag ttacatgaca gtggataact ttcaaagagg catctttgtg tggcccatga 660
actttggttg gagaacaatt cctccagatg tcattgcaaa aaacagaatt aaagaaactg 720
atacnataag gtgccctgtc atggctggtg ggattggttt ctattgccaa aagttacttt 780
ttttgaactt ggaacatacn aacccttggc cttnnangnt ttggggg 827

<210> 283
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<400> 283
gcgcatttgg ccgcctccct accgctccaa gcccagccct cagccatggc atgccccctg 60
gatcaggcca ttggcctcct cgtggccatc ttccacaagt actccggcag ggagggtgac 120
aagcacaccc tgagcaagaa ggagctgaag gagctgatcc agaaggagct caccatkggc 180
tcgaagctgc aggatgctga aattgcaagg ctgatggaag acttggaccg gaacaaggac 240
caggaggtga acttccagga gtatgtcacc ttcctggggg ccttggcttt gatctacaat 300
gaagccctca agggctgaaa ataaataggg aagatggaga caccctctgg gggtcctctc 360

tgagtcaaat ccagtggtgg gtaattgtac aataaatttt ttttggtcaa atttaaaaaa 420
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
aaaaaacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaanac aaan 524

<210> 284
<211> 613
<212> DNA
<213> Homo sapiens

<400> 284
cctcactaaa gggaacaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agccgcaggc cacgagaagc tgccggtgca 120
cgtagaagac gccctcacct atctggacca ggtgaagatc cgctttggca gcgaccctgc 180
cacctacaac ggcttcctgg agatcatgaa ggagttcaaa agccagagca tcgatactcc 240
tggagtcatc agacgtgtct cgcagctctt ccacgagcac cctgacctca ttgttggatt 300
caacgctttt cttcccctcg gatatagaat agacattccc aagaatggca agttaaacat 360
acagtcgcct ctgacaagcc aggagaattc gcacaaccac ggggacggtg cagaggactt 420
caagcagcag gtgccgtwta aagaggacaa accccaggtg cccctggagt ccgattccgt 480
ggaattcaac aacgccatca gctatgtgaa taagattaaa acccgcttct agaccaccca 540
gaaattacag gtcattcctg gagatctgca cacstwccar aargarcarc tgaacacgag 600
gggccggcca ttc 613

<210> 285
<211> 533
<212> DNA
<213> Homo sapiens

<400> 285
ggcacgagsg gcgggaacac gcggggccca agatggcggc cagccggtac cggcgttttc 60
ttaagctctg tgaggaatgg ccagtggacg agaccaaacg gggccgggac ttgggcgctt 120
acctgcgaca gcgggtagca caggcctttc gggagggaga gaatacccag gttgcagagc 180
ctgaggcctg tgatcagatg tacgagagct tagcgcgact ccattcaaac tactacaaac 240
acaagtaccc tcgccccaga gacaccagct tcagtggcct gtcgttggaa gagtacaagc 300
tgatcctgtc cacagacacc ttggaagagc ttaaggaaat agataaaggc atgtggaaga 360
aactgcagga gaagtttgcc cccaagggtc ctgaggagga tcataaggcc tgagctcagg 420
ccttacctcg tgcacatacc taggtgtgga gtcttgtaca ttgccatcgt caataaaact 480
gccccagttt ccccttgaaa aaaaaaaaaa aaaaraaaaa gaaaaaagtc gac 533

<210> 286
<211> 2071
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 286
caagcggaaa ataatgatca agcggcacga ggtggagcag cagaacattc gggaggaact 60
aaataaaaag aggacccaga aggagatgga gcatgccatg ctaatccggc acgacgagtc 120

cmcccgagag ctagagtaca ggcagctgca cacgttacag aagctacgca tggatctgat 180
ccgtttacag caccagacgg aactggaaaa ccagctggag tacaataaga ggcgagaaag 240
agaactgcac agaaagcatg tcatggaact tcggcaacag ccaaaaaact taaaggccat 300
ggnaatgcaa attaaaaaac agtttcagga cacttgcaaa gtacagacca aacagtataa 360
agcactcaag aatcaccagt tggaagttac tccaaagaat gagcacaaaa caatcttaaa 420
gacactgaaa gatgagcaga caagaaaact tgccattttg gcagagcagt atgaacagag 480
tataaatgaa atgatggcct ctcaagcgtt acggctagat gaggctcaag aagcagaatg 540
ccaggccttg aggctacagc tccagcagga aatggagctg ctcaacgcct accagagcaa 600
aatcaagatg caaacagagg cacaacatga acgtgagctc cagaagctag agcagagagt 660
gtctctgcgc agagcacacc ttgagcagaa gattgaagag gagctggctg cccttcagaa 720
ggaacgcagc gagagaataa agaacctatt ggaaaggcaa gagcgagaga ttgaaacttt 780
tgacatggag agcctcagaa tgggatttgg gaatttggtt acattagatt ttcctaagga 840
ggactacaga tgagattaaa ttttttgcca tttacaaaaa aaaaaaaaaa aaagaaaaca 900
raaaaaaatt cagaccctgc aaaaccacat tccccatttt aacgggcgtt gctctcactc 960
tctctctctc ttactcttac tgacatcgtg tcggactagt gcctgtttat tcttactcca 1020
tcaggggccc ccttcctccc cccgtgtcaa ctttcagtgc tggccaaaac ctggccgtct 1080
cttctattca cagtacacgt cacagtattg atgtgattca aaatgtttca gtgaaaactt 1140
tggagacagt tttaacaaaa ccaataaacc aacaacaaaa aaagtggatg tatattgctt 1200
taagcaatca ctcattacca ccaatctgtg aaagtaaagc aaaaaataat aataataaat 1260
gccaaggggg agagagacac aatatccgca gccttacacc ttaactagct gctgcattat 1320
tttatttttat tttatttttt tggtatttat tcatcaggaa taaaaaaaac aaagttttat 1380
taaagattga aaatttgata cattttacag aaactaattg tgatgtacat atcagtggtg 1440
acatattatt actttttttgg ggacgggggg tgggtggggt gaagagatct tgtgattttt 1500
aagaacctgc tggcaagagt ttaacttgtc ttcagcatat tctgattgta tcataatcat 1560
tttctgctgt tgcagaggat gtgaatacac ttaaggagct cacagaatcc cagtagcaca 1620
aattgggctt tggcaaatcg tgtatttgt gtatagaagg aatttaagga gaggtattac 1680
ttattttcat attgtatttt aactgtttct ctgatcaaat ttttttactt cctcctcctg 1740
ttcctcccca cctccctcct tttccagttc agtatttgga gttcaacact gtctctcaat 1800
cagatcatct tgatcttttt ctttatctcc cttccccttc ctaagtccca tttcttggtc 1860
ataaatattg cattattcac actttcaaac tgtgtatttt cttacaataa aaaatgatga 1920
aaaaaaaaaa ggctttactt cttttgcatg cactttaaaa acaaaacaaa acatttttca 1980
ggttccaagg aaragcatga taactgtcag agcttttaat tatatttgta aataaaagtg 2040
ttcatcacaa aaaaaaaaaa aaaaaaaaaa a 2071

<210> 287
<211> 1966
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (788)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO___0122920A2_I_>

<222> (1753)
<223> n equals a,t,g, or c

<400> 287
gaactagtct cgagtttttt ctgtctagct ccgaccggct gaggcggcgc ggcagnggag 60
ggacggcagt ctcgcrcggc tactgcagca ctggggtgtc agttgttggt ccgacccaga 120
acgcttcagt tctgctctgc aaggatatat aataactgat tggtgtgccc gtttaataaa 180
agaatatgga aactgaacag ccagaagaaa ccttccctaa cactgaaacc aatggtgaat 240
ttggtaaacg ccctgcagaa gatatggaag aggaacaagc atttaaaaga tctagaaaca 300
ctgatgagat ggttgaatta cgcattctgc ttcagagcaa gaatgctggg gcagtgattg 360
gaaaaggagg caagaatatt aaggctctcc gtacagacta caatgccagt gtttcagtcc 420
cagacagcag tggccccgag cgcatattga gtatcagtgc tgatattgaa acaattggag 480
aaattctgaa gaaaatcatc cctaccttgg aagagggcct gcagttgcca tcacccactg 540
caaccagcca gctcccgctc gaatctgatg ctgtggaatg cttaaattac caacactata 600
aaggaagtga ctttgactgc gagttgaggc tgttgattca tcagagtcta gcaggaggaa 660
ttattggggt caaaggtgct aaaatcaaag aacttcgaga gaacactcaa accaccatca 720
agcttttcca ggaatgctgt cctcattcca ctgacagagt tgttcttatt ggaggaaaac 780
ccgatagngt tgtagagtgc ataaagatca tccttgatct tatatctgag tctcccatca 840
aaggacgtgc acagccttat gatcccaatt tttacgatga aacctatgat tatggtggtt 900
ttacaatgat gtttgatgac cgtcgcggac gcccagtggg atttcccatg cggggaagag 960
gtggttttga cagaatgcct cctggtcggg gtgggcgtcc catgcctcca tctagaagag 1020
attatgatga tatgagccct cgtcgaggac cacctccccc tcctcccgga cgaggcggcc 1080
ggggtggtag cagagctcgg aatcttcctc ttcctccacc accaccacct agagggggag 1140
acctcatggc ctatgacaga agagggagac ctggagaccg ttacgacggc atggttggtt 1200
tcagtgctga tgaaacttgg gactctgcaa tagatacatg gagcccatca gaatggcaga 1260
tggcttatga accacagggt ggctccggat atgattattc ctatgcaggg ggtcgtggct 1320
catatggtga tcttggtgga cctattatta ctacacaagt aactattccc aaagatttgg 1380
ctggatctat tattggcaaa ggtggtcagc ggattaaaca aatccgtcat gagtcgggag 1440
cttcgatcaa aattgatgag cctttagaag gatccgaaga tcggatcatt accattacag 1500
gaacacagga ccagatacag aatgcacagt atttgctgca gaacagtgta agcagtwtma 1560
gwttagcttt gtgttagctt atacatacta aaacctttaa aaagcttttc ttctcaattg 1620
attttttttct tttagaagcc atggtgtctc aacctttttgg ggacctaact tctaaacatt 1680
ctaatagttt gccttaattt ttcttctgct ttcttactaa aaacgargac attcaatact 1740
aatcttgcct ggnaggaagc cttgaaccaa gcaaacttct gcatttctct ggtgaaaact 1800
gctgccaaaa ccacttgtta aaaattgtac agagcctgta ggaaaatata gaaggttcca 1860
ttgggatgtt ggcctagttc tgtgtgggaa gacttagtgg attttgtttg tttttagata 1920
actaaatcgg ccaacaaatc accgttctgg cctatgggac cgggcc 1966

<210> 288
<211> 869
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (869)
<223> n equals a,t,g, or c

<400> 288
gctctggcgg gcataccagc gggccctggc cgctcacccg tggaaagtac aggtyctgac 60
agctgggccc tgtggtagga ggctggtaca aggttttgga tcggttcatc cctggcacca 120

ccaaagtgga tgcactgaag aagatgttgt tggatcaggg gggctttgcc ccgtgttttc 180
taggctgctt tctcccactg gtaggggcac ttaatggact gtcagcccag gacaactggc 240
caaactacag cgggattatc ctgatgccct tatcaccaac tactatctat ggcctgctgt 300
gcakttagcc aacttctacc tggtcccccc tcattacagg ttggccgttg tccaatgtgt 360
tgctgttatc tggaactcct acctgtcctg gaaggcacat cggctctaag cctgcctcac 420
tccatcgttt ccaccttgca gtgatgcagc ttgaccctgg aacggtcaga caacctcctc 480
aaagtgggca taccagtttc cacggggttg ggttgccggt cagagcttaa gaggactagc 540
accctgcaat gcccctcttc actctaaaat gtacactgac tgctttagag cccttgataa 600
tagtcttatt cccaccacat actaggcact ccataaatat ctgttgaacc ttcatgacct 660
tatcaacttt acacccatat cccagcaaat gccactcatc cccactcttc atagacacat 720
ttgttactct aaccctgcct aggcttcttg tagctccagc tctttagaga ctcccggaac 780
cctttatatg gtgcctcagt aaatatgtta ttaaatatgt aatccggaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aaaaaaaan 869

<210> 289
<211> 1105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<400> 289
cagaatgtat tcggcagaaa agggactcag gtangcccag cctgggactg agagcagaaa 60
agcattcaag atttgcaggc cttgctatgg atgcgcttaa tcaccatgga ggccagcaat 120
acccatctca gcatggcttt gatattctct acttcctggc ctttaaaaat gacctataat 180
ttttcagttt gctttactat attttataaa gaaaattcta tcttatggtt gattgagcat 240
tgagacttat gaaggcatta ggatagatag ctcaggaatg taaaggttca gaaaaggtct 300
gttttctcag attaacaaat atgatggatt ccatggctga ccttggtgct taaaccagga 360
ggtttcaatc tagtcctaga gttgtgtccc tctgaaaggc ccaatgccat gtaactaact 420
ttaaactgga tatatacttt gagccttact taattcacag ataagttgac ttaactcagt 480
atttttattt caattaatga aaacagtcct cttttcaacc ccaggttgct tacattttgc 540
tggtctcccc aagtgaccat tggtggagac caattaatga aggaatgaaa ttcactttat 600
tgggactgtg gtattcaaca gagccacact taaccacttt ttccaatgaa gaatctccag 660
aatgataatg cccaaatatg gatggccaar aagaatttgt atctacggtg tgctttatgt 720
gtttttgaca ctgctgtatt ctgtgtgatc aagtgatttg sagctggttc caatgtkact 780
gagtgttctc aaaratttct agtaactaag tcaacttaat tttcttaagc ctggtattac 840
tatcagcctc acatttacca ctttgattct agtttttaa ctgttcataa cagggcatac 900
cgagggttgg gatgagagcc tacttcctac ctcttaaggc actttcctca ttattttgcc 960
atataatctt gaactgcatg ataagctgtt taaatgtcca tgacttctcc cagagcaact 1020
agcaaagtat atgaccattt tgaatagagg ttagtggaaa ggaaaatgta gaggttttaa 1080
gttccagagg tacaaacctc caata 1105

<210> 290
<211> 1982
<212> DNA
<213> Homo sapiens

<400> 290

tggatccccc gggctgcagg aattcggcac gagcagagac gtggaggcgt gagggagaac 60
atgcttgtta aatatgcagg tagattagga gacaccaaac agagattcag acacagtaag 120
gctgggatga gatcctcgaa gctgtgtttt aacaaactcc actggagagt cccatattcc 180
ctcaaatttg ggaatcacga ccctgaacca ggttgggcct gaagcagtca actgaattca 240
ctttttcgga tagtaatttg ttcccagggg cagtgacaac catgatgttc caggtttggt 300
ctggcactct gccttgaacg taggaagctc ttgatgattt gtggaatgaa tttttaaaaa 360
attactatct ggggaaaact agttggcata cagagttgta ggacagggtt tatgtgattc 420
atttgatatt ttagtatttt ggtgtaaaag ccaacaggca aactttgcca ggtactgtgt 480
agaaactcga aaatgtgagg ccagtttgta cagttcagag gaaatgcttt aacgtagaat 540
cagatagctg gaagagatct tcgagggaaa gtaagttccc taaagtcaca tctatgtctc 600
ctagctcagt gttctttgtc attgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgat 660
tagaaagggc ttcattcata ccttttccct tggacctgga aaaaaaattt tttttatctt 720
ttcaaatgaa atctattgat ttctagtaat catatktgaa tcaatgttaa agcatatata 780
gtcttatatg taaactagat tcttaagatt atktgaacct ttgagatgaa gtttacactc 840
aactaaaatc attccattga ttttattgat taacatcaat cagtatgttt aaagttattc 900
taagaagcaa tagtttattt ttaaaaacct tgtayagcaa aataacttaa aacccttttgt 960
gatatcatct taccagttta tttggtaaaa acaaacagtt atttggtatt tgtcagaatt 1020
cttcagtgcc tgctattaca gctatttttcc aattactaat ttgattatac tcactcaagg 1080
cagtgcaaga tcttgaagta ctttttagca gttaagtaat attgaattgt attgaatagt 1140
ttacatagtt tattctagtc tttgaaaatt actgaacatg gacaatgtgc atgtcattga 1200
catctgcctt agaacttctg ggacaatcct gattcgagag attctatccc attatttaca 1260
tataccaaaa atactttgtt aatttaatgt gttggcttcc caactcctga acacgacaca 1320
attttattat tagattttgt atggtgattt taggctatga aaacatgatc attatatgta 1380
tatagataca tttttatttg ttacaaatgt ttgagcagct cactagccca cccctcctct 1440
attttgggta agagaattta ctacctttttt taactatgta gttgagagca acatgtattt 1500
tgttatttttt agaatggtca gtatattgct ataaaatttt aaatgagact atgaaagtta 1560
aagtattctg attctggtta aattaacgaa tatggttcca ggccctgttc tctgggtttt 1620
tgagagagaa taaaggttat gtttgtctta cctttgttat cgagtttgct gaattctttt 1680
gaacgatgat cttaaaggca caaacaccac cagccacttt gctaatttct taatagcaga 1740
tttacattgc agcaagaaaa ccatctttta tagtaacatt cagttaaaat gaactcaatt 1800
cattgttaac ttcctaaaac agaatttgaa ctttatcaac ctcaacgtgt atataaacta 1860
gatagtcctc aatactttat caacctcaac atgtatataa actagatagt cctcaaatac 1920
tgtttgaatt taataaatgt caatttaaaa attttaaaaa aaaaaaaaaa aaaaaaaaaa 1980
aa 1982

<210> 291
<211> 2329
<212> DNA
<213> Homo sapiens

<400> 291
ttttttttact ctagggaaaa cactgacgaa tggtcagagc tcctatcctg atcttttcat 60
caaggcgcct ttcctaataa tatggttcaa ctgtgaatgt agaagtgggg gggaggggggg 120
agaaaaagaa aactctggcg ttagaggata tagaaaaata taagtacaat tgttacaaat 180
aacgcagact tcaaaaacaa aaaaatcaca acccaaacaa accaaaattt aaatgatcag 240
aattggcagc acaaagaaaa cgccctctcc tgacttgtat tgtggcagtc tgaacgcccc 300
cagaaaattg tgccaaagag tttagaaaaa taaatataca ataaaagtaa acacatacac 360
acaaaacagc aaacttcagg taactatttt ggattgcaaa caggataatt aaatgttcaa 420
acaatctgat aaaataacca tttggaaact gcttggcctt ctgttctttt atttgattga 480
ctacaatgcg gtattggtct cttgctgcac ttcaaaagca accaacaaaa caaaaacaaa 540
aaaaagtgtg tgtgtgtgaa tacacacaca cactaactag aagtcttgtg atgaaaatgg 600

cacttggaaa aggttttatt tttccactga agttgaaggt taataaaatg gtgtcaaacg 660
tcccctggtc acacacttga atatttttt agaagtgtga tgtggtatga ttaccataaa 720
tcagacttaa ttattttccc ttttacaagg gaacagggca tcctgaattt tagagccttt 780
cagcaataag aagggatgtt ggtgagcttt gatcctcttt tggttttgca gttgttagga 840
gtttttgctg gcattttgaa tatgctgctt tcagaaaaac caaggaagtt ttaaaattgc 900
ttcctggtcc ttagaggact aaaaacaaga ccctcattcc cactttcatt tccactctag 960
caaaaactgg gcttgcgttt ttctccaact cctcgtttat atcctccctt ccatgtccaa 1020
gccttccatt cctaagtggg attggctcag ttttgcccat ccatatggca gcatctctaa 1080
tagctcttgt acagggtatc agatattgtg ccttttggtg ccaggttcaa agtcaagtgc 1140
cgatctatga accagtgtac aaaaaaaaaa aaatccaggt atttgaagga gagacgctcc 1200
attgtgaata aagagctcat accagctcct aagccctatt aagaagaggc ctggtcctct 1260
aatgccttgt ttccatttca gttgttcttt gagagacaga atgatgtact aaccattcgt 1320
gattattaag atagggttgg gtcagggctt agggaggggg cagaaatatt ggggatagaa 1380
aaaaaatctg atcattcctc agtgctaccc atttctgtcc tgtgtgggct gcttagctag 1440
acagcaggag aataaagtac accgagaacc ataatgaaaa aaccttccgt gtgttttgtc 1500
atgttttgtt ccagggaagc agttgatgag tgctgttact aatgctttct cccagatcca 1560
ttcagtggtg gagaggagga aaatgggctg gttggatgtg gtcttggtgc cttgcagtta 1620
ctctgcactg gttatgcatt taattctcct cttttctagt taacctttg ccagtgggtt 1680
ttccatagtc tgggtatttg kccttatatc agttatacca cctaaggcaa ctgggtgcaa 1740
aatgcattct gttcactcac tgtctgggcc ttccccaccc tagtcttggc acattccttc 1800
aagaatgtag ttaccgtctg cttgggaaga tgtcagtgca aatgtgaaga taatgggcat 1860
cggactaggc tttggtttkc cacaagtggc agctgcctgt atcaattaca tttattaatt 1920
ttgcttttca tttttcccag ttctcctcac ccccccttg ttgaaatgtt ggacttgctg 1980
tcagaggcaa ctgtaatatt gccttaggga cttgtggaga aggggaattg ctcagtgtag 2040
tgttttaact ttcagaacca agcaatctat ttactcttac aaatatttaa gaagtgtgtt 2100
agtccaactt taagaaaaat ccaaactcat cagcttttga tagcatcttg gtttttgaaa 2160
caacttcaat ctgtaattgg cattcagaat gcccttggca tgccagtctg tgatggcatt 2220
taagacctgt aaaacacttg agcccaactc gattaaccaa aaccgataac caccaccttt 2280
atcttctaaa taaagtccgc tttatttttа ttttcaacaa aaaaaaaaa 2329

<210> 292
<211> 2424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (666)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1757)
<223> n equals a,t,g, or c

<400> 292
gatcaattct cacttaagag gccaataaac aacccaacat gaaaaggtga caagcctggg 60
tttctcccag gataggtgaa agggttaaaa tgagtaaagc agttgagcaa acaccaaccc 120
gagcttcggg cgcagaattc ttcaccttct cttccccttt ccatctcctt tccccgcgga 180
aacaacgctt cccttctggt gtgtctgttg atctgtgttt tcatttacat ctctcttaga 240
ctccgctctt gttctccagg ttttcaccag atagatttgg ggttggcggg acctgctggt 300

gacgtgcagg tgaaggacag gaaggggcat gtgagcgtaa atagaggtga ccagaggaga 360
gcatgagggg tggggctttg ggacccaccg gggccagtgg ctggagcttg acgtctttcc 420
tccccatggg ggtgggaggg cccccagctg gaagagcaga ctcccagctg ctacccccтc 480
ccttcccatg ggagtggctt tccattttgg gcagaatgct gactagtaga ctaacataaa 540
agatataaaa ggcaataact attgtttgtg agcaactttt ttataacttc caaaacaaaa 600
acctgagcac agttttgaag ttctagccac tcgagctcat gcatgtgaaa cgtgtgcttt 660
acgaangtgg cagctgacag acgtgggctc tgcatgccgc cagcctagta gaaagttctc 720
gttcattggc aacagcagaa cctgcctctc cgtgaagtcg tcagcctaaa atttgtttct 780
ctcttgaaga ggattctttg aaaaggtcct gcagagaaat cagtacaggt tatcccgaaa 840
ggtacaagga cgcacttgta aagatgatta aaacgtatct ttcctttatg tgacgcgtct 900
ctagtgcctt actgaagaag cagtgacact cccgtcgctc ggtgaggacg ttcccggaca 960
gtgcctcact cacctgggac tggtatcccc tcccaggktc caccaagggc tcctgctttt 1020
cagacacccc atcatcctcg cgcgtcctca ccctgtctct accagggagg tgcctagctt 1080
ggtgaggtta ctcctgctcc tccaaccttt ttttgccaag gtttgtacac gactcccatc 1140
taggctgaaa acctagaagt ggaccttgtg tgtgtgcatg gtgtcagccc aaagccaggc 1200
tgagacagtc ctcatatcct cttgagccaa actgtttggg tctcgttgct tcatggtatg 1260
gtctggattt gtgggaatgg ctttgcgtga gaaaggggag gagagtggtt gctgccctca 1320
gccggcttga ggacagagcc tgtccctctc atgacaactc agtgttgaag cccagtgtcc 1380
tcagcttcat gtccagtgga tggcagaagt tcatggggta gtggcctctc aaaggctggg 1440
cgcatcccaa gacagccagc aggttgtctc tggaaacgac cagagttaag ctctcggctt 1500
ctctgctgag ggtgcaccct ttcctctaga tggtagttgt cacgttatct ttgaaaactc 1560
ttggactgct cctgaggagg ccctcttttc cagtaggaag ttagatgggg gttctcagaa 1620
gtggctgatt ggaaggggac aagcttcgtt tcaggggtct gccgttccat cctggttcag 1680
agaaggccga gcgtggcttt ctctagcctt gtcactgtct ccctgcctgt caatcaccac 1740
ctttcctcca gaggagnaaa attatctccc ctgcaaagcc cggttctaca cagatttcac 1800
aaattgtgct aagaaccgtc cgtgttctca gaaagcccag tgtttttgca aagaatgaaa 1860
agggacccca tatgtagcaa aaatcagggc tgggggagag ccgggttcat tccctgtcct 1920
cattggtcgt ccctatgaat tgtacgtttc agagaaattt tttttcctat gtgcaacacg 1980
aagcttccag aaccataaaa tatcccgtcg ataaggaaag aaaatgtcgt tgttgttgtt 2040
tttctggaaa ctgcttgaaa tcttgctgta ctatagagct cagaaggaca cagcccgtcc 2100
tcccctgcct gcctgattcc atggctgttg tgctgattcc aatgctttca cgttggttcc 2160
tggcgtggga actgctctcc tttgcagccc catttcccaa gctctgttca agttaaactt 2220
atgtaagctt tccgtggcat gcggggcgcg cacccacgtc cccgctgcgt aagactctgt 2280
atttggatgc caatccacag gcctgaagaa actgcttgtt gtgtatcagt aatcattagt 2340
ggcaatgatg acattctgaa aagctgcaat acttatacaa taaattttac aattctttgg 2400
aaaaaaaaaa aaaaaaaagt cgac 2424

<210> 293
<211> 2160
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<400> 293
gctcgtgccg tggatgcggc tctgcaggat gaagatgaga tacaggtgga tgcatcatca 60
tttgaaagca ctgcaaataa gaaatcctcc tcctcttcct caggaacccc tgcatctcag 120
ctttatccac agtctcgggg gctggttcca aagtaaagcc agcttctcct ctcccagggc 180

ggaaacagca tttgccttct gagagaagag actagcaaaa agctgcagag aggattcggc 240
ccaaactcag aactgttccc ctgaggagaa gcggtggcct ctttgcagat caaccaactt 300
aatctggttg aacgtgctgt tcctaatctg gcactcagcc cctctgggaa acatctttta 360
attagcatct cagaaatgca tgggtaaggt aaagtgcgat agttcaagtg gaaagcaaga 420
gaatgaccag tgaccttgct tccttccccc ttgccttctt ctcccccttn ccctgtgctc 480
cctttctctc ctctctcctt ttctagcctg ttcttwacat ggggctccct tcttgttgaa 540
caatagggca gaatcaggrg tcaccttagc aggaccacat ctttggagcc tcgggataaa 600
atgacagtga ggttgaaaag tgaaaaccct aggaacttga ataggtgcct gttcttgtag 660
ggagaaatga gaaatcgcat ttggatccag gccccaggtg ggcaccatca gcagtcttgc 720
ttccatgcac ctcagtaaga agtggatctg cctttgggac ctgctcagtg aggaaatctc 780
ttccaatttc tgcttctgaa tgattcaatg ttgggagcaa tagaaataac attccctttg 840
ccttctctga gtgtttaggg aaatagcttc tttaaaacct caaaaccatg accatcctgt 900
caaagaccta agtctgtaag ctggtgccat gtccatacac catgtcactt tactcttcat 960
ttgtcaccat cttttcccat gcacgcatac tctgaacatc cttgtgtggg cccatcctct 1020
gcatccagag catgctctgc agtgggcctg ttttgtggaa gaaaggaggc tgtctctgcc 1080
ttctctgatg ggactggagt tgagggaagg agctgtattg tggcacttct gaattccccg 1140
ttttgttcca tattggtata gagagcagaa gagtagctag gcagatgcag agatggagac 1200
atgagactca gtgcagtggg cagggaagac ataacagatg gaagcaaagg aatcctgcct 1260
gccttcagca gagaattcac cgaatcctag aactgtggct ccctccaggc agagcctaag 1320
atgctggtga agaatagctg tgtgattgaa taggctcaaa ggagagttca gaattcccat 1380
ttacatatta ctagtttggt ttgtaagttt tagttccttg tattattgag attcagagct 1440
tcattttatg ttggtcatta ggtgaatatt actcattttc cctcaagaga agctcataag 1500
tgtgtgtggg tgtgagagca cgatggtgcc tgtgttctgt gaatgtgtcc atatgtgtct 1560
gtaagagaga cagagaccaa gaacttgccc aattttagaa atacactaat gtgcagttgt 1620
tgccttttgt ctgtattgaa ggcccattga atgactaatc caggctggaa gcattcccat 1680
gtgggtgtct gagtccatga gccaagcctg aggggacagt gagtctccag gtctgccaca 1740
ctggtgcacc ttgctggcac ggtgcctcag gaaggtggcg actcargtgg gccttgagtt 1800
atattttaac tcagctgctc agttcccagg gcacatttct ggatcagaac ccatgggaaa 1860
caggaggtac taagtgcaat gtcttagcat tctgcaaaat ggagatctgt tgtccagcgg 1920
cttatctcct ttttagtaac ccttctttct gaacccaggg ccctttcag ccttccctca 1980
tattttcttg agatcaaact ttacttcttt cttatttact aagaatttgc ctgtttgaat 2040
aagaacaaaa cgctaaggtg ggtagcctaa gctgattttc tgctggttac acgtgtctct 2100
cacaccacat ttcctcaaag ctaatctgaa ttctgtaggc taaaaatatt catgtagcaa 2160

<210> 294
<211> 1257
<212> DNA
<213> Homo sapiens

<400> 294
tcgaatgtca tcaggaatga gcagctgccc ctgcagtact tggccgatgt ggacacctct 60
gatgaggaaa gcatccgggc tcacgtgatg gcctcccacc attccaagcg gagaggccgg 120
gcgtcttctg agagtcaggg tctaggtgct grakygcgca cgraggccga tgtagaggag 180
gaggccctga ggaggaagct ggaggagctg accagcaacg tcagtgacca ggagacytcg 240
tccgaggagg aggagtccaa ggacgaaaag gcagagccca acagggacaa atcagttggg 300
cctctccccc aggcggaccc ggaggtggca cggctgccca tcaaaccaac agacaggaaa 360
aaagccccca ggaccctggg gaccccgtcc agtacaacag gaccacagat gaggagctgt 420
cagagctgga ggacagagtg gcagtgacgg cctcagaagt ccagcaggca gagagcgagg 480
tttcagacat tgaatccagg attkcagccc tgagggccgc aggctcacgg tgaagccctc 540
gggaaagccc cggaggaagt caaacctccc gatatttctc cctcgagtgg ctgggaaact 600
tggcaagaga ccagaggacc caaatgcaga cccttcaagt gaggccaagg caatggctgt 660

gccctatctt ctgagaagaa agttcagtaa ttccctgaaa agtcaaggta aagatgatga 720
ttcttttgat cggaaatcag tgtaccgagg ctcgctgaca cagagaaacc ccaacgcgag 780
gaaaggaatg gccagccaca ccttcgcgaa acctgtggtg gcccaccagt cctaacggga 840
caggacagag agacagagca gccctgcact gttttccctc caccacagcc atcctgtccc 900
tcattggctc tgtgctttcc actatacaca gtcaccgtcc caatgagaaa caagaaggag 960
caccctccac atggactccc acctgcaagt ggacagcgac attcagtcct gcactgctca 1020
cctgggttta ctgatgactc ctggctgccc caccatcctc tctgatctgt gagaaacagc 1080
taagctgctg tgacttccct ttaggacaat gttgtgtaaa tctttgaagg acacaccgaa 1140
gacctttata ctgtgatctt ttacccctttt cactcttggc tttcttatgt tgctttcatg 1200
aatggaatgg aaaaaagatg actcagttaa caccaaaaaa aaaaaaaaaa gtcgagc 1257

<210> 295
<211> 1117
<212> DNA
<213> Homo sapiens

<400> 295
gccctgagcc ccgccatggt ggtgccggag gaccagctga cccgctggca cccgcgcttc 60
aacgtggatg aagtacccga catcgagccg gccgcgctgc cccagccacc cgccacggag 120
aagctcacca ctgctcagga ggtgctggcc cgggcccgca acctgatttc acccaggatg 180
gagaaggcct tgagtcaatt ggccctgcgy tctgctgcgc ccagcagccc cgggtctccc 240
aggccagcac tgccggctac cccaccagcc accccgcctg cagcctctcc cagtgctctg 300
aaggggtgt cccaggatct gctggagcgg atccgagcca aggaggcaca gaagcagctg 360
gcacagatga cgcggtgccc ggagcaggag cagcggctgc agcgcttaga acggctgcct 420
gagytggccc gcgtgctgcg gagcgtcttt gtgtccgaac gcaagcctgc gctcagcatg 480
gaggtggcct gtgccaggat ggtgggcagc tgttgtacta tcatgagccc tggggaaatg 540
gagaagcacc tgctgctcct ctccgagctg ctgccggact ggctcagcct ccaccgcatc 600
cgcaccgaca cctacgtcaa gctggacaag gccgcggacc tsgcccacat cactgcacgc 660
ctggcccacc agacacgtgc tgaggagggg ctgtgagcct gggggccact gtggacagac 720
gtgggcttca gaagctcgct ggcctgggcc caccagcatt ttcttttatg aacatgatac 780
actttggyct tcctttcccc agcgcccctg agggccagag gcagatgtgg gctgcaggct 840
gcacagcccg agggtctctg gctgcgggcg gtgggcccct tcatggggct cacctggtgg 900
attcacatta aaccggtttc tgtgggcacc tctgtccttg ctgctggtgg ggaagggaag 960
ccagatccag caccccctgg ggggccatcg ggagtgtggc tggrggtgaa gggggctctg 1020
tggcaatatg gggttgggta gtgtgggtgg caaggccatc ccctctaatc ttggaacctc 1080
tgaatatggg accttccaca gcaaagggtg acttttg 1117

<210> 296
<211> 468
<212> DNA
<213> Homo sapiens

<400> 296
tcgacccacg cgtccgccac gcgtccggag gtttttccct tggagggcaa acaaagtggc 60
agtggggacc agggtgtccc ctgctgagaa atggagagct cttttccccct gtacttctct 120
ggggtttgcc ttgtggaacc aagtgcttgg gggaggagct cctggcagga ctccagctgt 180
tatttgtcag aggacagcta ggattggttc acccttgctc tgagttggcc ccaaagcgag 240
ctatgctgaa ctcttctcca tctccaagca gacaaccttt gtctttacat gcaagaggga 300
tccaattatg acaggctgac ccagctggtt tcatgtttgg ggtttatcta ctgagtaagg 360
ctgaccttac ctgagtttct gtatgtgtat ttgcaagaca gttaatacta atccatcatc 420
cctcacagag atgtagagga tgagatgtag taacttatag cagtgtca 468

<210> 297
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 297
ggcacgaggt cctggaggcc ttgatgaggc ccagcaaaca ggcattctca cagctgggtt 60
tatagtcttt gggccccttn ctcagtatcc tgggaaccct gggccaggag gttacagtgg 120
tcatcataat tgctgaagag atccccctcc ctgcccctgg gttcctgcct tccctcctca 180
agcaggcacc caggctttag agaagtatag ggggcttctt ccctgctggg cttaccacac 240
tgctctcagg cctcaaaccc tttcatacct ttattctttt ttttaaccaa aaaagttttt 300
cttataaaat aaattttggg caaacawmaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aggggggncc nttn 464

<210> 298
<211> 2630
<212> DNA
<213> Homo sapiens

<400> 298
gctgcacttc ccaggcccca ccagccgcgg ctccggctcg tagcccacag cccactgccg 60
gcggctgggc gctgccgagg ctcggggcgc gcgcagttgg cgtctgccag tgccaagact 120
gtgccgcccc cacagccgag gcgcgaaagg gggacgcccg gcctctgggc cgctgccttc 180
gctttctctt cgttgttgcg aacgccgtcc gctcaggagg cgccccgcga ccggcgcgat 240
gagtgccaac gaggaccagg agatggaact agaagcatta cgctctattt atgaaggaga 300
tgaaagtttc cgggaattaa gtccagtttc ttttcaatat aggataggtg aaaatggtga 360
tcccaaagcc ttcttaatag agatttcctg gacagaaaca tatccccaaa cacctccaat 420
tctatctatg aacgcttttt ttaacaacac catatcatca gctgtaaagc agagtatatt 480
agccaagcta caggaagcag tagaagctaa tcttggaacc gctatgacct atacattgtt 540

tgaatatgcc aaagacaata aagagcagtt catggagaat cacaatccca tcaattccgc 600
aacatcgata agcaatatca tctcaattga aactcctaat acagccccat caagtaagaa 660
aaaagacaaa aaagaacaac tttcaaaagc ccagaagcgt aactggcaga caaaacagat 720
cacaaaggag aacttcctcg aggctggaac tgggttgatg ttgtgaagca tttaagcaaa 780
actggctcta aggatgatga gtagcacttg gaatttgaga caaggaaaga gcattcttta 840
aagagtaaaa ctgggttcaa aatctttcat tactattttc tggtattgag gcgacttttt 900
ataaaacaca atttttgta tgtttcttac attaaaaagg ttgtaagttg aaagttcatg 960
aagagatctt gttgtattaa attattttca caaacttgcc ttaataaaag gtgaaaatgt 1020
tactgtttag tatactttat gaagcccctt gagctttata aatggacagg catggggaat 1080
aagaatcagt gttaatttaa atgatcttat cctggtggat gtgctrtttt cttaaaggag 1140
tatgaagccc ttttcaaact atcatcccag tggagcggag tactcagtga acagttactc 1200
catagtgcaa tccatattaa taggcttctt ctcttaagtc ttcatctctt cttttgctta 1260
attactgaac cgtaaattac ttcagagaaa tttaaatgct ggtatttgaa ctttatacat 1320
gatacttttt gtagtttctt ttaatttttg aaagatgaac tgcttccttt taataaatta 1380
atatctattt atacttttct cttgatttgg gtcaagatgt ttgatcatga gtgctttgag 1440
tggtatgtgg aataggagaa tataaaaaca aatctgccaa atacactaga aagcatttta 1500
gtaagaaatg ctggcccttt cttaaaacat ttctcttgca tataccagga tgggagtaaa 1560
agatgcctta atatttagtt tttgtattgt tggagacatt gattttaata aaatcctatt 1620
tatctgctgt tgtgtgcttt tagttgttgg ataactgagg tctcctaaat ggttcaacat 1680
aaaaccacat ttcaagtctt gtttcttttt ggagtgtctt ttcaagtatt caaatgtatt 1740
tctcaacctg agcatctttt taatcatata catgggagtc ttttaaatgc tgaactgtta 1800
cacatgcttg atttaaaaat aataataata gaggaaacta ttggtctagt tgtgccaaga 1860
aaagtttctg atgtttatgt gtgatgtaca gtgattttgt atatgcgccc agctttaaga 1920
acacataaaa ctattacgtc tggtaggaag attgttagtg cctcaagtta cacctgtgca 1980
gcttgggtct gagttttgat agaacagtaa acatttaaag aagttaagag cagtttgagc 2040
tgtatccgcg gtttttactc gttaactgac ttcagctaaa tagtttgaat tatagagtaa 2100
gtataattac agcaaaggag ttaatctcat tttcaaagct gtttctcatt ttatttcttg 2160
aattaatgta gagcaaaaca tgttaaaatt caggacmact ggaatatggc aacttatgtt 2220
tcagggttgt gtgtgggtag tatttgtggt tgtattggtt tgtttttttgt ttttggagaa 2280
acatctgcta gtggaataaa atactttgtt ttgctctgaa gagactgaaa ttgttcaggc 2340
ttattatggc tcatagatta cagagaatga tgctagttac atgccaatga actattttta 2400
ctctttttat atgaaatgta aaaatttgta ggggttctgg tgatggtggt acctcttatt 2460
accttatgta aaacacttga acagcctcat caatattgcc gtcatctgtt taacactccc 2520
agtatatttt ctcaatgtct gtttacttaa aattttgtgg agtgacataa ttaataagca 2580
ataaagtctg aattatacac agaaaaaaaa aaaaaaaaaa aaaactcgag 2630

<210> 299
<211> 1422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1401)
<223> n equals a,t,g, or c

<400> 299
cggacgcgtg ggnaanaaaa aaagaaaaag aaaaagaaaa gaaaagaaaa ggtacatcag 60
acatgactgc ctgcatgaag tcaaacaggg taacaccagt gaagctcaag tcaagagctg 120
tggatatttt gtctaaccaa caagaagtct caagaaatca ggcagtgcag ctgctgctct 180
cagctatcgt atccagccaa aagatgcatg atgatggagt ggtgggggaa ggccagttca 240
gtatcctatt taaaagtaaa cttcctgaat aatggatata tgtggagata cagacataga 300
tatatagata cagctgtaat tatttagcct caagtgactt tctccattgc ttcacgctat 360
gccactattt tgcttcttta attttttaa ccttgcttag tattctatag tttgcccaac 420
cagttttacg tccaaggaaa attagccaat gcataaaata tacaaactat gaaaggcaag 480
gwtcaggaaa ccagagactt tgccaccaaa tctcagatta ttagaaacta ggtgtcaggg 540
tttatcaaga aggccaggaa ggccttttgg gttaagcctt acattcatga agaacctcga 600
gggtagattt ttgagagcat tccaaatgaa tggtctctgg tcaaatgaat gaatggtcaa 660
atgaataaat ctgccctcac agagatacaa aaggaaaagg aatataattc ataccatttg 720
gtttaagcct tacattcatg aagaacctca agggtagatt tttgagatca ttccaaatga 780
agtcgaatct gccctcacag agacacaaga aaggaatata attcatacac tattgcattt 840
ttaataaatc ttttgaaatt tgcagaatta gattgtattg tgtattttcg gttaaatgat 900
aattgaatgt aaatatttag atgcagcacc atattttata acccagcttt agcatttctt 960
catattttaa ggaaaccccc cacctccttc ttttaagggc gcttcttgct ctctgaaatg 1020
ccctgctaaa tgcttctctt aattatttga ataaggtagt ttggaataaa gaaagaaaag 1080
atcactctac atacagatag taaacttaat ttgtgatcct atatatgaga cagtataaaa 1140
atmcagataa gttttagaaa gactcaaaac aatatgtaaa tgactgatgt ttgcattatt 1200
aaggnaract tgggatgttg ggtcaagagg ggaaagtgtt agtcaatcca ctttggagca 1260
atatcatgaa ggtcaattat aattccatat acctttcttt gatgccacag tcagagatag 1320
atacagttgg gtggccatgg gtgtgcccat acagacaatt tttggtnaat tgtttcagac 1380
nttcaggtct gagactgnca ntgctggggg gcctcctggg tt 1422

BNSDOCID: <WO___0122920A2_I_>

<210> 300
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<400> 300
gcccacgcgt ccgatggttt cttctattca ggcttcaatg gacaggcacc ttcgggatca 60
aagtacagag cagtcaccat ctgatcttcc tcaaaggara acagaagttg tgagttcttc 120
tgcaaagtct gggagtcttc agactggttt gcctgaatct tttcctttaa ctggtggtac 180
tgaaaatttg aatacagaaa caactgatgg ctgtgtagca gatgcactgg gagcagcctt 240
tgccacaagg tcaaaagcac aaaggggaaa ttccgtggag gagcttgaag agatggatag 300
tcaagatgct gagatgacta acacaactga gccaatggat cactcttgat ttaattagag 360
gctaataaag gcagaatgtt tattgtgaat atgtaatatt tgttggctgg gccacgtaac 420
ttgattagtc attaaaaatc ttgtacgtat ataaaaagat tatatcttgt tattcagtgc 480
atgntagcaa gtgtgtgatt ggccatagct tttaatatac tgctgcccag gctggctctg 540
aatttctata aat 553

<210> 301
<211> 464
<212> DNA
<213> Homo sapiens

<400> 301
ctcaaaaatc accagaaaac tcatactagt gaaaaatcct ataaatgtaa tgaatgtaga 60
aaggccttta gttactgctc tggtcttatt caatgtcagg tcattcatac tatagaaaaa 120
ccttatgaat acggtaaatg tggcaaagcc tttaggcaga ggacagacct taaaaaacat 180
cagaaaatgc ataccgarga gaaaccctat gaatgtaatg aatgtgggaa agcctttagc 240
cagagcacat atcttacaaa acaccaaaaa attcatagtg aagagaaatc aaatatacat 300
actgagtgtg gggaaaccwt twgrcaaaac tcttcttttt tacaacaata aaaacctcac 360
actggagaga ttctctgaat gccttaagaa tttggttaat atggagaccc ttcccagggg 420
aaccagaagg aggatcgtga aaacctgttg actacttaga tgat 464

<210> 302
<211> 2018
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1997)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2012)
<223> n equals a,t,g, or c

<400> 302
gccacatccc ggcagccctc ctacckgcgc acgtggtgcc gccgctgctg cctcccgctc 60
gccctgaacc cagtgcctgc agccatggct cccggccagc tcgccttatt tagtgtctct 120
gacaaaaccg gccttgtgga atttgcaaga aacctgaccg ctcttggttt gaatctggtc 180
gcttccggag ggactgcaaa agctctcagg gatgctggtc tggcagtcag agatgtctct 240
gagttgacgg gatttcctga aatgttgggg ggacgtgtga aaactttgca tcctgcagtc 300
catgctggaa tcctagctcg taatattcca gaagataatg ctgacatggc cagacttgat 360
ttcaatctta taagagttgt tgcctgcaat ctctatccct ttgtaaagac agtggcttct 420
ccaggtgtaa stgttgagga ggctgtggag caaattgaca ttggtggagt aaccttactg 480
agagctgcag ccaaaaacca cgctcgagtg acagtggtgt gtgaaccaga ggactatgtg 540
gtggtgtcca cggagatgca gagctccgag agtaaggaca cctccttgga gactagacgc 600
cagttagcct tgaaggcatt cactcatacg gcacaatatg atgaagcaat ttcagattat 660
ttcaggaaac agtacagcaa aggcgtatct cagatgccct tgagatatgg aatgaaccca 720
catcagaccc ctgcccagct gtacacactg cagcccaagc ttcccatcac agttctaaat 780
ggagcccctg gatttataaa cttgtgcgat gctttgaacg cctggcagct ggtgaaggaa 840
ctcaaggagg ctttaggtat tccagccgct gcctctttca aacatgtcag cccagcaggt 900
gctgctgttg gaattccact cagtgaagat gaggccaaag tctgcatggt ttatgatctc 960
tataaaaccc tcacacccat ctcagcggca tatgcaagag caagaggggc tgataggatg 1020
tcttcatttg gtgattttgt tgcattgtcc gatgtttgtg atgtaccaac tgcaaaaatt 1080
atttccagag aagtatctga tggtataatt gccccaggat atgaagaaga agccttgaca 1140
atactttcca aaaagaaaaa tggaaactat tgtgtccttc agatggacca atcttacaaa 1200
ccagatgaaa atgaagttcg aactctcttt ggtcttcatt taagccagaa gagaaataat 1260
ggtgtcgtcg acaagtcatt atttagcaat gttgttacca aaaataaaga tttgccagag 1320
tctgccctcc gagacctcat cgtagccacc attgctgtca agtacactca gtctaactct 1380
gtgtgctacg ccaagaacgg gcaggttatc ggcattggag caggacagca gtctcgtata 1440
cactgcactc gccttgcagg agataaggca aactattggt ggcttagaca ccatccacaa 1500
gtgctttcga tgaagtttaa aacaggagtg aagagagcag aaatctccaa tgccatcgat 1560
caatatgtga ctggaaccat tggcgaggat gaagatttga taaagtggaa ggcactgttt 1620
gaggaagtcc ctgagttact cactgaggca gagaagaagg aatgggttga gaaactgact 1680
gaagtttcta tcagctctga tgccttcttc cctttccgag ataacgtaga cagagctaaa 1740
aggagtggtg tggcgtacat tgcggctcct ccggttctgc tgctgacaaa gttgtgattg 1800
aggcctgcga cgaactggga atcatcctcg ctcatacgaa cttcggctct tccaccactg 1860
attttaccac acactgtttt ttggcttgct tatgtgtagg tgaacagtca cgcctgaaac 1920
tttgaggata acttttttaaa aaaataaaac agtatctctt aatcactgga aaaaaaaaaa 1980
aaaaaaaaaa aaaaccncgg gggggggcccc gnacccca 2018

<210> 303
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<400> 303
gacatttagg aacaattgca cttttaaagg gagagaatgc atagttgctc acatatctca 60
gtgtcagtca cctaacatgg atcagtgctt tatttgagat tacaaaacta gaaaatgacg 120
gagtcaaggc taggaccaat attctgttca gtcttagata attatagaat acacattaaa 180

atcagatatt tgaatttttct taattttgta actatttgtc attgaaagga gatactaaaa 240
aaattatata tcgtcctaga aagtacatga actaataatg catttctaaa ggtgaaaaaa 300
gaataggtat ttttctgttt aatattcaat ttatagagag tagtacgtta atttttttaa 360
accccagaag ctcaggatct tatcatttta aaagaaatta tcaccagttc tgtgtgagta 420
aataaagtat tataacactt tgtttttttca tccatgatac cttgtattta cttacctgag 480
ctttttttct agggaaagaa aaatgctcag gtaataacag agccttgaaa aatttkggatt 540
ttcaaaacta cctatttatg tataggcctt tagatcatct gatgttgaat actctttaag 600
tgatctaaag gcctacatat naaaaggtat ttttattaaa ttctggatta aacatttc 658

<210> 304
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (657)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (659)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (671)
<223> n equals a,t,g, or c

<400> 304
tttacttaat cttgcctagt cacaaaataa gatgtgcacc catggtttgg agagttccta 60
tattagctga gcagtgagat acactatttc caaacggtgc acacctacag tagctttgga 120
aatgagccaa tcactgtttt acttaatggt tcttatcagc atgcaaatat tgcttgaaag 180
ttatttcctt attcactgtt ttgttagtcc attttgttag gaaacattaa ttcctaaaaa 240
tttgttcaga ataattaaaa gtgaacattt ggtgctgata ctcaaaaacc tacaaatgta 300
gccatttaaa aagtaacatg tttttctccc ctgctcattg cctgggagaa tggaatttta 360
tataactacc tttctttgca aaaataacgg tcgtgtcgag ttggtggtga ttttggcatt 420
ccatcttgca ctggtttcta gtataggctt agaaataatt ggcaggtaat aatctttcca 480
gtcaagttgc aagggatgct tatttctctt caaaaaaaga catnctgcgg gattgagtag 540
aaaatttagg tcagtttggg agcttatttg aatatttttct actacattgg agntagcagt 600
ctttttctgg atcagatcag tgcatggtta tctacagggt gaatgcttct tggtggngna 660

agatctagct n 671

<210> 305
<211> 1680
<212> DNA
<213> Homo sapiens

<400> 305
ccaaagtgct ggaattccag gcatgagcca ctgcgcccag tctacacact aattcttgtt 60
agcccaacag ctgttctgtt ctatctaccc ctcatttcac gctcaaggag tcatacctag 120
aatagttaca cacaagaggg aaactggaag ccaaacactg tacagtattg tgtagaaagt 180
cacctcccta ctccttttat tttacatgag tgctgatgtg ttttggcaga tgagctttca 240
gctgaggcct gatggaaatt gagataacct gcaaagacat aacagtattt atgagttata 300
tcttagttct tgaaattgtg gaatgcatga ttgacaatat atttttaatt tttatttttt 360
caagtaatac cagtactgtt taactatagc cagaactggc taaaattttt atattttcag 420
agttgaagtt ggtgaagaca ttcatgattt aaacaccaga tcctgaaagg ggttaaatct 480
actttgaaat gaatctgcaa tcagtatttc aaagcttttc tggtaatttt agtgatctta 540
tttgattaga ctttttcaga agtactaaat aaggaatttt aacaggtttt tattaatgca 600
cagataaata gaagtacagt gaggtctata gccattttat taaaatagct taaaagtttg 660
taaaaaaatg aatctttgta attacttaat atgttagtta agaacccgtc aagcttatat 720
ttgctagact tacaaattat tttaaatgca tttatctttt ttgacactat tcagtggaat 780
gtgtaagcta gctaattctt gttttctgat ttaaagcact tttaaatctt atcctgcccc 840
ctaaaaacaa aaggttttga tcacaagggg aaatttaaga ttgttaaccc tgtttttcag 900
aagggctact gttaattgca cataaacatg aaatgtgttt tcccctgtgt actaacacat 960
tctaggcaaa attcaaactt atagtggtaa agaaacaggt tgttcacttg ctgaggtgca 1020
aaaattctta agacttctgt ttgaaattgc tcaatgacta ggaaaagatg tagtagttta 1080
ctaaaattgt ttttctacca tatcaaatta aacaattcat gcctttatag ggtcaggcct 1140
acaatgaata ggtatggtgg tttcacagaa ttttaaaata gagttaaagg gaagtgatgt 1200
acatttcggg ggcattaggg tagggagatg aatcaaaaaa taccctagt aatgctttat 1260
attttaatac tgcaaaagct ttacaaatgg aaaccatgca attacctgcc ttagttcttt 1320
tgtcataaaa acaatcactt ggttggttgt attgtagcta ttacttatac agcaacattt 1380
cttcaattag cagtctagac attttataaa cagaaatctt ggaccaattg ataatatttc 1440
tgactgtatt aatatttttag tgctataaaa tactatgtga atctcttaaa aatctgacat 1500
tttacagtct gtattagaca tactgttttt ataatgtttt acttctgcct taagatttag 1560
gttttttaaa tgtatttttg ccctgaatta agtgttaatt tgatggaaac tctgctttta 1620
aaatcatcat ttactgggtt ctaataaatt aaaaattaaa cttgaaaaaa aaaaaaacga 1680

<210> 306
<211> 782
<212> DNA
<213> Homo sapiens

<400> 306
gaattcggca cgagtgaagc attagaatga ttccaacact gctcttctgc accatgagac 60
caacccaggg caagatccca tcccatcaca tcagcctacc tccctcctgg ctgctggcca 120
ggatgtcgcc agcattacct tccactgcct ttctccctgg gaagcagcac agctgagact 180
gggcaccagg ccacctctgt tgggacccac aggaaagagt gtggcagcaa ctgcctggct 240
gacctttcta tcttctctag gctcaggtac tgctcctcca tgcccatggc tgggccgtgg 300
ggagaagaag ctctcatacg ccttcccact ccctctggtt tataggactt cactccctag 360
ccaacaggag aggaggcctc ctggggtttc cccagggcag taggtcaaac gacctcatca 420
cagtcttcct tcctcttcaa gcgtttcatg ttgaacacag ctctctccrc tcccttgtga 480

tttctgaggg tcaccactgc cagcctcagg caacatagag agcctcctgt tctttctatg 540
cttggtctga ctgagcctaa agttgagaaa atgggtggcc aaggccagtg ccagtgtctt 600
ggggcccctt tggctctccc tcactctctg aggctccagc tggtcctggg acatgcagcc 660
aggactgtga gtctgggcas gtccaaggcc tgcaccttca agaagtggaa taaatgtggc 720
ctttgcttct gttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aa 782

<210> 307
<211> 1791
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1769)
<223> n equals a,t,g, or c

<400> 307
ggggattgtt cctgaaacat tcacgctgtc caatctccca catttcagaa ttggtgggag 60
tgtgcatttg attgttaata accagctggg ttacaccact ccagctgaaa gaggaaggtc 120
ttctttatac tgcagtgata ttgggaagct tgtgggctgt gccatcatcc atgtcaatgg 180
agacagccca gaggaagtgg tccgtgccac acgactggct tttgaatacc aacgccagtt 240
ccgcaaggat gtgattattg atctgttgtg ctacaggcag tggggccaca atgagctgga 300
tgagccattc tacaccaacc ccatcatgta caaaatcatc agagctcgaa agagcattcc 360
agacacatat gcagagcacc tcattgctgg cggactcatg acgcaggagg aggtgtctga 420
aataaaatcc tcctactatg ccaagttgaa tgatcactta aataacatgg cccactacag 480
gcccccntgc cctgaacctg caggcccayt ggcangggcc tggytcagcc agaagsgcaa 540
wtcaccacct ggagtacagg tgtgcccctc gacctcctgc ggtttgttgg catgragtyt 600
ktagaggtgc caagrgagyt gcagwtgcac agtcamctgy tgragacaca tgttcagtcc 660
agaatggaga agatgatgga cggaatcaag ctagactggg ccaccgcgga actcttgcct 720
tgggttcttt acttgctcaa ggttttaatg ttcgtctaag tggccaagat gttggtcgtg 780
gaactttcag tcagaggcat gcaatggtgg tttgccagga gacggatgac acctacatcc 840
ccctgaacca tatggaccca aatcagaagg ggtttctaga ggtcagcaac agccccctgt 900
cagaagaggc cgtcctggga ttcgaatatg ggatgagcat tgagagccca aagttactgc 960
ccctgtggga ggcacagttt ggcgatttct tcaatggtgc ccagatcatc tttgacacat 1020
tcatctctgg aggagaggcc aagtggctcc tacaaagcgg cattgtcatc ctccttccac 1080
atggctacga tggggctggg ccagaccact catcctgtcg aatagagcgt ttcctgcaga 1140
tgtgtgacag tgcggaagag ggggtggacg gagacactgt gaacatgttt gtggttcacc 1200
caacaactcc tgcacagtat ttccacttgc ttaggagaca gatggtccgg aacttcagaa 1260
aaccactcat tgttgcttcc cctaagatgt tactcargct cccggcagcc gtgtcaactc 1320
ttcaagaaat ggcaccagga acaacattta acccggtcat tggtgattca tctgtggatc 1380

caaaaaaggt taagaccctc gtkttctgct ccggcaaaca tttctactcc ctggtgaaca 1440
aagagaatct ctgggggcca agaagcatga ctttgccatc atccgagtag aggaactctg 1500
ccccttcccg ttggattctt tacagcaaga gatgagcarr tacaaacatg ttaaagatca 1560
tatttggagt caggaggaac ctcagaacat gggtccgtgg tcgtttgttt ctccaaggtt 1620
tgaaaagcag ctggcctgca agctccgtct ggtggccggc ccccttтgcc agtacccgct 1680
gtaggaattg gcacagttca cttgcaccag catgaagata tcctcgccaa gaccttcgyt 1740
tgatgatgat tttgaaggaa catatttcnt ttaggaatgg cattaggccc t 1791

<210> 308
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (705)
<223> n equals a,t,g, or c

<400> 308
gggcaagacc tcatgcctaa aaaataaaga gaaagcagag taaaactgga ctctgagata 60
ygactaaagt tctgtgtgat acgtgtgcct tatttagctc aagacattcc tggagcacct 120
ataaaaactg acttgtaatc caggctatgt ctctttttag cttcgtaatc tttggcaagg 180
ccattggatt cttcagctgt acaattagga gactcgatca ggtgattgcc tttctcagct 240
gtcagttctc taatttcagg cttggtagct tgtaggaact gaaattgcaa ttaaaacctt 300
tataaactca aactaaatca tgaattacag aaaaagtcca ttcttccaaa acttgatgtt 360
accacactta caagtttaaa atatgaagtc gactgtttaa aggattctgc atatattcta 420
gtgtgcacat tcagaaacat ttttcttgga aaaagtaccc aacatttttt ataactgcac 480
atattaattt attgccagaa taaattgcat tgcatgctaa ataaagtcag ataattcaaa 540
tccatttgct tttatgtagt ttttcttcta aatgtcaaca ttttggaatt aaaatgttta 600
tggttttata tgagggtagg aaatcttaac tgctttgggg ggtattgttt ataggctttt 660
tgttatgggg ccggtagttt tttaataggg ggattgccca tttcnaccgt ttgggggccc 720
ggg 723

<210> 309
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 309
aattcggcac gagcgacgtg gtgctgggcg ttgggaccct actttatcta gttcgggaag 60
ttgggttgtg gggtcatacc tgtctgtctg ctcccagctt tcttgggttt cttccgacgg 120
cgtggggcct cgctaaggaa ttcccggccc ctcagggcca cggctttagc ggtgtctttt 180
gcgagttctt cgtaagtaca tcttaaagct gtcaagatgg ttctagcaga ccttggaaga 240
aaaataacat cagcattacg ctcgttgagc aatgccacca ttatcaatga agaggtatgt 300
aaaatattgt atgraatata tatgattgta ttattgtcac tagcattggg aagatggctt 360
attcataatc cccgtattta tatgtatttt gangtngact taatacttgt gggtaaaagc 420
ccaaaggggt taacagtagg aggggtttat tggggaatta ccnccaactc aaattacttc 480
aaccttcctt aagggatttc ccaaaaaaaa aaaaaaccgg ggggggnccc cga 533

<210> 310
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<400> 310
gtttggaata aagaaagaaa agtttactat ctgtatgtag agtgatctta atttgtgatc 60
ctatatatga gacagtataa aaatacagat aagttttaga aagactcaaa acaatatgta 120
aatgactgat gtttgcatta ttaaggaaaa cttgggatgt tgggtcaaga ggggaaagtg 180
ttagtcaatc cactttggag caatatcatg aaggtcaatt ataattccat atacctttct 240
ttgatgccac agtcrgagat asaatacart ttgggtggcc atggatgtgc cccaatacag 300
tacacatttt tkggttnaaa tttgttttca gatcatttca tggaåtcttt gaagtatctt 360
tgactctaac tttgacttgg tggtggacct tccttggttt ttataacacc taagagatat 420
cctttagaat tacatgtatt ttagcataag gaaattgaaa aagtaaaaca tactggtttt 480
tttcaacaag accatatgta aattaaatag tgaaatgtgt atgagtttca gtagaactgt 540
accatcaaca atgtttccat aaatatgcag agttctttct tttgtattgt tatttacaat 600
attgttaaat tgaatgcatt tgcaatttct aggattctaa agaattgagt acagaaagta 660
gcaattttat tatttgatga taatatgaga attactgtgc caatactgtt ttgataaata 720
aatagatttt taaaaataaa tgtattgtac ttattagtgt agt 763

<210> 311
<211> 3131
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3128)
<223> n equals a,t,g, or c

<400> 311
gggnncaaan gctggagctc caccgnggtg cgtccgctct agaactagtg gatcccccgg 60
gctgcaggat tcggcacgag gccacttcct ggggccgccg gcggggccgc tggctgcact 120
cagcgccgga gccgggagct agcggccgcc gccatgtccc accagaccgg catccaagca 180
agtgaagatg ttaaagagat ctttgccaga gccagaaatg gaaagtacag acttctgaaa 240
atatctattg aaaatgagca acttgtgatt ggatcatata gtcagccttc agattcctgg 300
gataaggatt atgattcctt tgttttaccc ctgttggagg acaaacaacc atgctatata 360
ttattcaggt tagattctca gaatgcccag ggatatgaat ggatattcat tgcatggtct 420
ccagatcatt ctcatgttcg tcaaaaaatg ttgtatgcag caacaagagc aactctgaag 480
aaggaatttg gaggtggcca cattaaagat gaagtatttg gaacagtaaa ggaagatgta 540
tcattacatg gatataaaaa atacttgctg tcacaatctt cccctgcccc actgactgca 600
gctgaggaag aactacgaca gattaaaatc aatgaggtac agactgacgt gggtgtggac 660
actaagcatc aaacactaca aggagtagca tttcccattt ctcgagaarc ctttcaggct 720
ttggaaaaat tgaataatag acagctcaac tatgtgcagt tggaaataga tataaaaaat 780
gaaattataa ttttggccaa cacaacaaat acagaactga aagatttgcc aaagaggatt 840
cccaaggatt cagctcgtta ccatttcttt ctgtataaac attcccatga aggagactat 900
ttagagtcca tagtttttat ttattcaatg cctggataca catgcagtat aagagagcgg 960
atgctgtatt ctagctgcaa gagccgtctg ctagaaattg tagaaagaca actacaaatg 1020
gatgtaatta gaaagatcga gatagacaat ggggatgagt tgactgcaga cttcctttat 1080
gaagaagtac atcccaagca gcatgcacac aagcaaagtt ttgcaaaacc aaaaggtcct 1140
gcaggaaaaa gaggaattcg aagactaatt aggggcccag cggaaactga agctactact 1200
gattaaagtc atcacattaa acattgtaat actagttttt taaaagtcca gcttttagta 1260
caggagaact gaaatcattc catgttgata taaagtaggg aaaaaaattg tacttttttgg 1320
aaaatagcac ttttcacttc tgtgtgtttt taaaattaat gttatagaag actcatgatt 1380
tctatttttg agttaaagct agaaaagggt tcaacataat gtttaatttt gtcacactgt 1440
tttcatagcg ttgattccac acttcaaata cttcttaaaa ttttatacag ttgggccagt 1500
tctagaaagt ctgatgtctc aaagggtaaa cttactactt tcttgtggga cagaaagacc 1560
ttaaaatatt catattactt aatgaatatg ttaaggacca ggctagagta ttttctaagc 1620
tggaaactta gtgtgccttg gaaaaggccg caagttgctt actccgagta gctgtgctag 1680

ctctgtcaga ctgtaggatc atgtctgcaa cttttagaaa tagtgcttta tattgcagca 1740
gtcttttata tttgactttt ttttaatagc attaaaattg cagatcagct cactctgaaa 1800
ctttaagggt accagatatt ttctatactg caggatttct gatgacattg aaagacttta 1860
aacagcctta gtaaattatc tttctaatgc tctgtgaggc caaacattta tgttcagatt 1920
gaaatttaaa ttaatatcat tcaaaaggaa acaaaaaatg ttgagtttta aaaatcagga 1980
ttgacttttt tctccaaaac catacattta tgggcaaatt gtgttcttta tcacttccga 2040
gcaaatactc agatttaaaa ttactttaaa gtcctggtac ttaacaggct aacgtagata 2100
aacaccttaa taatctcagt taatactgta tttcaaaaca catttaactg ttttctaatg 2160
ctttgcatta tcagttacaa cctagagaga ttttgagcct catatttctt tgatacttga 2220
aatagaggga gctagaacac ttaatgttta atctgttaaa cctgctgcaa gagccataac 2280
tttgaggcat tttctaaatg aactgtgggg atccaggatt tgtaatttct tgatctaaac 2340
tttatgctgc ataaatcact tatcggaaat gcacatttca tagtgtgaag cactcatttc 2400
taaaccttat tatctaaggt aatatatgca cctttcagaa atttgtgttc gagtaagtaa 2460
agcatattag aataattgtg ggttgacaga tttttaaaat agaatttaga gtatttgggg 2520
ttttgtttgt ttacaaataa tcagactata atatttaaac atgcaaaata actgacaata 2580
atgttgcact tgtttactaa agatataagt tgttccatgg gtgtacacgt agacagacac 2640
acatacaccc aaattattgc attaagaatc ctggagcaga ccatagctga agctgttatt 2700
ttcagtcagg aagactacct gtcatgaagg tataaaataa tttagaagtg aatgtttttc 2760
tgtaccatct atgtgcaatt atactctaaa ttccactaca ctacattaaa gtaaatggac 2820
attccagaat atagatgtga ttatagtctt aaactaatta ttattaaacc aatgattgct 2880
gaaaatcagt gatgcatttg ttatagagta taactcatcg tttacagtat gttttagttg 2940
gcagtatcat acctagatgg tgaataacat attcccagta aatttatata gcagtgaaga 3000
attacatgcc ttctggtgga cattttataa gtgcatttta tatcacaata aaaatttttt 3060
ctctttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3120
aaaaaaanaa a 3131

<210> 312
<211> 940
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (890)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (929)
<223> n equals a,t,g, or c

<400> 312
aagcgtgact ctggagatgg agtccaagtt ggcggcagaa aagaaacaga cggaacaact 60
gtcacttgag ctggaagtag cacgactcca gctacaaggt ctggacttaa gttctcggtc 120
tttgcttggc atcgncacag aagatgctat tcaaggccga aatgagagct gtgacatatc 180
aaaagaacat acttcagaaa ctacagaaag aacaccaaag catgatgttc atcagatttg 240

tgataaagat gctcagcagg acctcaatct agacattgag aaaataactg agactggtgc 300
agtgaaaccc acaggagagt gctctgggga acagtcccca gataccaatt atgagcctcc 360
aggggaagat aaaacccagg gctcttcaga atgcatttct gaattgtcat tttctggtcc 420
taatgctttg gtacctatgg atttcctggg gaatcaggaa aatatccaaa atcttcaact 480
gcgggtaaaa gagacatcaa atgagaattt gagattactt catgtgatag aggaccgtga 540
cagaaaagtt gaaagtttgc taaatgaaat gaaagaatta gactcaaaac tccatttaca 600
ggaggtacaa ctaatgacca aaattgaagc atgcatagaa ttggaaaaaa tagttgggga 660
acttaagaaa gaaaactcag atttaagtga aaaattggaa tatttttctt gtgatcacca 720
ggagttactc cagagagtag aaacttctga aggcctcaat tctgatttag aaatgcatgc 780
agataaatca tcacgtgaag atattgggag ataatgtggc caaggtgaat gacagctggg 840
aaggagagat ttcttgatgt gggaaattga gctgagtagg gtccagatcn ggagaaagct 900
agcctttgag ccttgaagcc ctcttaccng gggaggcttg 940

<210> 313
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (848)
<223> n equals a,t,g, or c

<400> 313
caaagttgat ttttaacgtt tgtaaaggtt tgaatgttta tagaagtgca tcatgaaatt 60
ttgtgtaaat ccagatgaac tgtcattata gtactataaa ttagagatag tccataaagt 120
tgggttgaag gagattgaaa atatttcctt tgattaaaag aaaataatta actaacttgg 180
gcttgcttgt gattgaagag ggagattaga tagtcctctg tccccccraa aaagaaacta 240
gcagagaaag acmtaaaaaa gctctttggt gtctgttcat gtgctgtaca ttttttccgt 300
tttaatgtct tgtgtagata attcaaagtt tgaactattt ctttcttgga ataagtaata 360
atttattcaa tatggtgtat ctctgagttc aatttaaaac aatccaactc agtaatattt 420
atttttaaat acaaatccta actaaccaat taattaataa aaaggcaaga cttacttgct 480
gtagtattgg ttctcatctg tagagaactg acattggagc aaatttttaag tctccccttt 540
gaaaataagc cttgttaact gagggcgtaa tacatttccc acagatttat ccagaaacat 600
tttattagag atcttatagt agtatctcag ttcctactac agctttctaa aggatgagac 660
ttgcatttaa caaaatgaca tatataatat ttttctatag ttttgcaact gaattaaagg 720
aaggtgatgt attataatgt gtagtgaggt ataaagggct agttcattct ctcccaacaa 780
gaacttagaa taaaataaca cyttttttc atgagactta cctcattttt ggtaggctat 840
ggcagttntg 850

<210> 314
<211> 958
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (930)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (934)
<223> n equals a,t,g, or c

<400> 314
cttgcgtccc cgcgtgtgtg cgcctaatct caggtggtcc acccgagacc ccttgagcac 60
caaccctagt cccccgcgcg gccccttatt cgctccgaca agatgaaaga aacaatcatg 120
aaccaggaaa aactcgccaa actgcaggca caagtgcgca ttggtgggaa aggaactgct 180
cgcagaaaga agaaggtggt tcatagaaca gccacagcag atgacaaaaa acttcagttc 240
tccttaaaga agttaggggt aaacaatatc tctggtattg aagaggtgaa tatgtttaca 300
aaccaaggaa cagtgatcca ctttaacaac cctaaagttc aggcatctct ggcagcgaac 360
actttcacca ttacaggcca tgctgagaca aagcagctga cagaaatgct acccagcatc 420
ttaaaccagc ttggtgcgga tagtctgact agtttaagga gactggccga agctctgccc 480
aaacaatctg tggatggaaa agcaccactt gctactggag aggatgatga tgatgaagtt 540
ccagatcttg tggagaattt tgatgaggct tccaagaatg aggcaaactg aattgagtca 600
acttctgaag ataaaacctg aagaagttac tgggagctgc tattttatat tatgactgct 660
ttttaagaaa tttttgttta tggatctgat aaaatctaga tctctaatat ttttaagccc 720
aagccccttg gacactgcag ctcttttcag tttttgctta tacacaattc attctttgca 780
gctaattaag ccgaagaagc ctgggaatca agtttgaaac aaagattaat aaagttcttt 840
gcctagtaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaaaa aaaaaaaaaa aaaaaaaaan gggnggccgt tttaaaggaa ccaggttt 958

<210> 315
<211> 500
<212> DNA
<213> Homo sapiens

<400> 315
cgattgaaca ggagaagcaa gcaggcgaat cgtaatgagg cgtgcgccgc caatatgcac 60
tgtacattcc acaagcattg ccttcttatt ttacttcttt tagctgttta actttgtaag 120
atgcaaagag gttggatcaa gtttaaatga ctgtgctgcc cctttcacat caaagaacta 180
ctgacaacga aggccgcgcc tgcctttccc atctgtctat ctatctggct ggcagggaag 240
gaaagaactt gcatgttggt gaaggaagaa gtggggtgga agaagtgggg tgggacgaca 300
gtgaaatcta gagtaaaacc aagctggccc aaggtgtcct gcaggctgta atgcagttta 360
atcagagtgc catttttttt tttgttcaaa tgattttaat tattggaatg cacaattttt 420
ttaatatgca aataaaaagt ttaaaaactt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
gcggccgctc gaattaagcc 500

<210> 316
<211> 1228
<212> DNA
<213> Homo sapiens

<400> 316
ggcacgagct cgtgccgctt gcaactccac ctcagcagtg gtctctcagt cctctcaaag 60
caaggaaaga gtactgtgtg ctgagagacc atggcaaaga atcctccaga gaattgtgaa 120
gactgtcaca ttctaaatgc agaagctttt aaatccaaga aaatatgtaa atcacttaag 180
atttgtggac tggtgtttgg tatcctggcc ctaactctaa ttgtcctgtt ttgggggagc 240
aagcacttct ggccggaggt acccaaaaaa gcctatgaca tggagcacac tttctacagc 300
aatggagaga agaagaagat ttacatggaa attgatcctg tgaccagaac tgaaatattc 360
agaagcggaa atggcactga tgaaacattg gaagtgcacg actttaaaaa cggatacact 420

ggcatctact tcgtgggtct tcaaaaatgt tttatcaaaa ctcagattaa agtgattcct 480
gaattttctg aaccagaaga ggaaatagat gagaatgaag aaattaccac aactttcttt 540
gaacagtcag tgatttgggt cccagcagaa aagcctattg aaaaccgaga ttttcttaaa 600
aattccaaaa ttctggagat ttgtgataac gtgaccatgt attggatcaa tcccactcta 660
atatcagttt ctgagttaca agactttgag gaggagggag aagatcttca ctttcctgcc 720
aacgaaaaaa aagggattga acaaaatgaa cagtgggtgg tccctcaagt gaaagtagag 780
aagacccgtc acgccagaca agcaagtgag gaagaacttc caataaatga ctatactgaa 840
aatggaatag aatttgatcc catgctggat gagagaggtt attgttgtat ttactgccgt 900
cgaggcaacc gctattgccg ccgcgtctgt gaacctttac taggctacta cccatatcca 960
tactgctacc aaggaggacg agtcatctgt cgtgtcatca tgccttgtaa ctggtgggtg 1020
gcccgcatgc tggggagggt ctaataggag gtttgagctc aaatgcttaa actgctggca 1080
acatataata aatgcatgct attcaatgaa tttctgccta tgaggcatct ggcccctggt 1140
agccagctct ccagaattac ttgtaggtaa ttcctctctt catgttctaa taaacttcta 1200
cattatcacc aaaaaaaaaa aaaaaaaa 1228

<210> 317
<211> 1731
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1661)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1726)
<223> n equals a,t,g, or c

<400> 317
gcaatctttt tctctcctgg ttaaatgggg ctgttgatca ttttctctac gtaagggaat 60
ttattgatta agtttaatta atttgatata gactgtcatg tagtgatgta gtgctatact 120
gtagtcggaa gtttttctta aaagcaaaga gcaaaaatgc aaagttttat ttgtaaaagc 180
tgaggaccct tggggatgga ttaggtttgc cgatgatcct aaaagtaagc aaactgtatg 240
acaagactac tattgcaaat gaaggatatt tatagctaaa ctgcgcacac aaaagaagtt 300
ttatattgtg agttatagtt ggttcagaaa acagtttgta ctctccctgg cccaggaagg 360
cacacagaca aaaatgtcgg ccacttttac tcaaatacag cccaagcaca gacagtcagg 420
ttcgtgatca tcaccaacat ctgataaaat ctcattgaag gcaatgccat cacagctttg 480
ctcaattact acgaggaaga gacaacaagc atctttcgtg ttgtctcgtc tgattggagg 540
ctgaatagta gatggaatgg ggggacagtg tgcctggtgt gaggaagacg taagatcccc 600
matttggaaa gcatgccccc ctccctttta gtagaagccc atggttgccc tttgccaaac 660
tggggaggag gcaatgagcc ttggtggaag gaacctctct gtkgatattt aaagaagtga 720
gggctgtggg tattcattgt tagaaatgcc aatttcactt tgaaaccata gtccaagtct 780
ctaggttggt agaagggaaa ggaaggaagt ggtcccagtg attctagatc tggttgggaa 840
acttctgcct catgactctg tcctttgagc ctttggacag cagcacaaaa cataacaatt 900
tttatttta aacagaccca ttctttttga tcccacagga gctgtggttg ggtcggccgt 960
agccccggga tgtggtttaa gtggattact gcctagctga gccaaaatgt ttgcttgtac 1020
ctgttggacc actacagcaa accgctgctt acagtgcatt gtgtatttct gtagtactgt 1080
tttgcatttt ccatagagac agaaaacttt gcaagtcaat cactgttgtt cccatggtac 1140
tgtaagaaaa aaaaaaagga aaaagaaaaa aaaaaagaaa accagccaat cattgcgtgt 1200

acagagctaa aaattgtaat taatagagcc tgttgggaaa aaaaagaaaa caactgttgc 1260
ctttttttct tgtataaaag agaatttatg acaaaattta gctgtgagga atgtgatacg 1320
tgtttatatt tctgaatatg gracaaattg attcatgggg atatatttta atgtaaacta 1380
aatcaggtat gtaaagttgt tttaaaatgg grgactatat aagtaattct ctaaagcttt 1440
agttggtttg aatatcatca tttcctccat ggtgagcctg cttgtgratt attaagcact 1500
tgtttgcatt ctctgttctt cactcattta tttcttgcag tgtgctatgg acttaatgct 1560
ctttctgtat tgatgaaaag cagtatgtgg gccaatcttt ttataaaaca ctatgcatat 1620
ataaatatta cattgttcat agctttattt gacttatggg nttatacata acattagaat 1680
gagtaagctg tagttgtgtg gacattttat aaaaacaaag gtcccnttcc c 1731

<210> 318
<211> 1208
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<400> 318
cgggtcgacc cacgcgtccg gaaagatcnt ctttaggaat aatagatgat ggtaagttcc 60
actttggtta ttggaaggca agtcattatt actggtatta gttaaaacac atatcaaatg 120
cttgctcttc atcatatata tagttatgca tacatacaca cacacacata cagtatattc 180
tttcctcaaa agggttaaga tgtctaaaat agggacctag aagcttaaca ctatttaagt 240
aaatacagta gaagctcaca aatagatttc tttgcacaat gatttttgc aaaattttac 300
agtaataata atcccaaggc aaatctctcc tgaactgctt tccattccat aatttgtagt 360
ataattcttg gattccactg ttttctttgg ggaatggaag ttctgaatta aaagcccact 420
gtggagatgc tgtggttcat ggaatctctt ccagtgtaat tcagaatcat tggcctagaa 480
agtctctgat atttggaggg gaacaaaaat cactcacaag caatccatga tctatacaca 540
taagcataat ttcctttagt tctagttagt catcagagaa cagtcatgta tgcaagtttt 600
gtgactgaga aatttctgtg cttccaatcc acaatgagat gcatgatttt gttttcatcc 660
catttccccc aagcccctgt aaatcaggga aaatgcgcaa ctgatcgcct aggagagggc 720
ctcgtagtgg cacagctgga gatagtttca aagtctaaac caccagccca tcctgaggaa 780
agcctcctat ggaatgtaaa gtgcaatcat ttcttcagat ataagacttt ccccaacaat 840
gtgattggat tcctttatgg caaaatcgag agaagctgcc atccacctgc ttatgcattt 900
atctcttttg tggacttgtc tgaccacctt ctatttgccc agagtttgct caattccaag 960
acagtgccca tgaatgggac acctgtaatg taacccacac agcggtttgc agagaatgtt 1020
agccatgact tgggctttct gaaagttggc tataatttct ctatccctac ccacaaccct 1080
gggaagttgg agcaagaggg gcatactatt gggctgggag gatttgacag catttcccca 1140
gttgcccttt aagttcttct atttcaaacg ttaattttgc ttctctttct aaaaaaaaaa 1200
aaaaaaaa 1208

<210> 319
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)

<223> n equals a,t,g, or c

<400> 319
ccccagtctt accactctag catgcttgtn ataataaaca tggtgagtga ctttttttcta 60
aagatccccc ctctctcaga ggtcatgtcc tttcgtaacc agcccttgct cttgaacccc 120
cakgcagttt ggtggttatg ccaaggaagc agactacgta gcacaagcca cccgtctgcg 180
tgctgccctg gagggcacag ccacctaccg gggggacatc tacttctgca cgggttatga 240
ccctcccatg aagccctacg gacggcgcaa tgagatctgg ctgttgaaga catgagtgac 300
ccactgaacc aagaacttac tggaagtgtg cctctgtgtc tccttcctcg ggggtaagga 360
ggggacagtg cttcccaagt tccagctgca agtccaactt aaccaacttt ccttcaaagt 420
cagttactgc caatttttctg aaaaaagcat gttccatata ctaagtctct tttctcacgg 480
taggaaataa tacagccaag atatgcagca tccttctcat tgatgtagaa aattctgcga 540
tagaccagaa aaatcctggc agcttttctc caggcatctg ggtcactaaa aactgatttt 600
ctaaaattat tggatttgta ttttgttatt aaggggggaaa atgtgatttg tgcctgatct 660
ttcatctgtg attcttataa gagctttgtc ttcagaaaaa ctaaaaataa aaggcattga 720
cttaaacagc tgaramaaaa aaaaaaaaaa aaaaaa 756

<210> 320
<211> 1209
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1203)
<223> n equals a,t,g, or c

<400> 320
cttcgccgtc atccgcttcg aaagcatcat ccacgagttc gacccgtggt ttaactatag 60
atcaacacat catcttgcat ctcatgggtt ctatgaattt ttaaattggt ttgatgaaag 120
agcatggtat ccactaggaa gaatagtagg tggtactgtt tacccagggt tgatgataac 180
cgctggcctt attcattgga ttttaaatac attgaacata actgttcaca taagagacgt 240
atgtgtgttc cttgcaccaa cttttagcgg ccttacatct atatctactt tcctgcttac 300
aagagaactt tggaaccaag gagcaggact tttagctgct tgttttattg ctattgtacc 360
aggctacata tctcggtcag tagctggatc ctttgataat gaaggcattg ctatttttgc 420
acttcagttc acatactatt tatgggtaaa atctgtaaaa actgggtcag ttttttggac 480
aatgtgctgc tgcttatcct atttctatat ggtctctgct tggggtggtt atgtatttat 540
catcaatctt attccactgc atgtatttgt gttgttactg atgcagagat acagcaaaag 600
agtctacata gcatatagca ctttctacat tgtgggttta atattatcaa tgcagatacc 660
ttttgtggga ttccagccaa tcagaacaag tgaacacatg gcagctgcag gtgtctttgc 720
attgctgcaa gcttatgctt tcttgcagta tctgagagac cgattaacaa aacaagagtt 780
ccagaccctt ttctttttgg gtgtatcact agctgcaggt gctgtgttcc ttagtgtcat 840
ctatttgact tatacaggtt acattgcacc atggagtggc aggttttatt cattgtggga 900
tactgggtat gcaaaaatac acattccaat tattgcatca gtgtctgagc atcaacctac 960
gacttgggtg tctttcttct ttgatctaca tattcttgta tgtaccttcc cagcaggcct 1020
ttggttctgc atcaaaaata tcaacgatga aagartattt ggtaagagag gtttttaatg 1080
actactttga tatggaatag ttatttttct ttttgagatt atttacttta aatttttgtt 1140
tttctatgtt tgactctata tattcaagat aaatttttctc ctttattttg cataggtgct 1200
tanccaaga 1209

<210> 321

<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (654)
<223> n equals a,t,g, or c

<400> 321
aaagcagatg ccatctatga tatgattggt ttcccagact ttatcctgga gcccaaagag 60
ctggatgatg tttatgacgg gtacgtaaat ttctgaagrt tctttcttcc aaaacatgtt 120
gaatttgtac aacttctctg ccaaggttat ggctgaccag ctccgcaagc ctcccagccg 180
agaccagtgg agcatgaccc cccagacagt gaatgcctac taccttccaa ctaagaatga 240
gatcgtcttc cccgctggca tcctgcaggc ccccttctat gcccgcaacc accccaaggc 300
cctgaacttc ggtggcatcg gtgtggtcat gggccatgag ttgacgsatg cctttgatga 360
ccaagggcgc gagtatgaca aagaagggaa cctgcggccc tggtggcaga atgagtccct 420
ggcagccttc cggaaccaca cggcctgcat ggaggaacag tacaatcaat accaggtcaa 480
tggggagagg ctcaacggcc gccagacgct gggggagaac attgctgaca acgggggget 540
gaagctgcct acaatgctta caaagcatgg ctgagaaagc atggggagga gcagcaaytg 600
cagccgtggg gsttamcaac caccastytt cttcgtggga tttgccccag gtnntggtgc 660
tcggtccg 668

<210> 322
<211> 809
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<400> 322
ggctgcagga attcggcacg agtgttaggg taaaaagtga attaaagcaa caggactatt 60
tataaaataa ttagatttag aaagcagtcg tagaaatata agcctggagt tgcctctgaa 120
ttacatattt aacaaaccta gaagctaaat cagtttgtct tttatcaaaa ctgcaactcc 180
tctaagttga aagcacagtg acaagagaaa gcattacaaa ttcttgagaa ataatagaaa 240
ttaaagctct tttcaaacct gtgaacaagt atagtaccag aagtataaga ttcagatagg 300
cccaagttgt agttcttgtt atgagtctta caaccctatg gactttggac aaattacttc 360
tctgcgtctg tntcctcatc tgtaaaatga aaataatttc tgtttcatac aggtatagtc 420
taaataggga taattacacc tacttcaaag ttgtaaaata cacaattaca actagatagg 480
aggtataagt tctagtgttc tgtagcactg taggatgact atagttaaca atattgtata 540
gtttcaaata gctagaagaa ggatattgca tgttcccaaa acaaagacat aagttttga 600
gatgatagat atgctaatta ccctaatcac tatatgttat atgtattgca acatcactat 660
gtacccccat aaatatgtac agttattgtg tattaaaatt tttttaaact aaaattataa 720

gacattaaaa aaaggtatca catgtaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaac tcgaggggg 809

<210> 323
<211> 1442
<212> DNA
<213> Homo sapiens

<400> 323
ggcacgaggt tccctatcct gggccagttc tctcgcaggt cccagatgtc cagttccaga 60
tgcctggacc cagagtgtgg gggaaatatc tctggagaag ccctcactcc aaaggctgtc 120
caggcgcaat gtggtggctg cttctctggg gagtcctcca ggcttgccca acccggggct 180
ccgtcctctt ggcccaagag ctaccccagc agctgacatc ccccgggtac ccagagccgt 240
atggcaaagg ccaagagagc agcacggaca tcaaggctcc agagggcttt gctgtgaggc 300
tcgtcttcca ggacttcgac ctggagccgt cccaggactg tgcaggggac tctgtcacag 360
tgagctgggg atgggggggg tcccgccagg actgtggcca gggagattcc cggggttgtg 420
ggaagtggcg gtgccctgaa tcccccatct ggaggaggga tgaattttcc atgtaggggc 480
agtcgggctt ggcttaccgg ggagcagtgg tggaccccag gacacagcct cccaccagcg 540
cctccggggc tgccatctgg gccccacaga gcaaagaggg cagcaagcag gccctgcgtt 600
tggaaggctt atgaatggac acacaaatct tgcaaatcta tggagccagg ggcagggacg 660
cacatattgg ttgttaaaaa tatgtcatca tgtatttgtt gagtgcctgc tctatcaggt 720
gaggaagctg gacacaaata ataacaaaag attaagtcac cgttcacact taccttggaa 780
gagctattac aaaacttcta acgccaaagc cttattcaga ataaggacat tttaaaaaca 840
gtacttgatg gagtgatgca agcttgcagt cccagcagta tagtcaggag actgaggctg 900
gaggatcaga gggctggagc ccagggttca aggccagcct aagcaacata gcaagacccc 960
atctcaaaaa taagtaaata ataaataaaa ataaaaagag cacattatct tttgatttaa 1020
attttattta tatcaaaatg acataaattt ttgaacttta ttttttaatt ttaaaatttt 1080
taattattat ggatacataa tagttgtaag acttttttgtt ttttaattaa agttttctaa 1140
ggctgggcgc agtagctcat gtctgtagtc ccagcacttt gggaggctga ggcgaaagaa 1200
gcacttgagc ccaggaattt gagaccagcc tgggcaacat agcaagaccc catctctaca 1260
aaaaaattta aaaattagcc aagtgtggtg gcacgcacct gtggtcccag ctacaaggga 1320
cgctgaagtg agaggatcac ttgagcctgg aaggtagagg ctgcagtgag ctctgatcat 1380
gacaccgtac tccagcctgg gtgacagagt gagaccctgt ctccaaaaaa aaaaaaaaaa 1440
aa 1442

<210> 324
<211> 2701
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2699)
<223> n equals a,t,g, or c

<400> 324
ncattcatnt tttcaangct cgtgatctca cggcccggct gcgggccccc gctctgccct 60
gcagcataat aaaatggcta atcaggtgaa tggtaatgcg gtacagttaa aagaagagga 120
agaaccaatg gatacttcca gtgtaactca cacagaacac tacaagacac tgatagaggc 180
aggcctccca cagaaggtgg cagaaagact tgatgaaata tttcagacag gattggtagc 240
ttatgtcgat cttgatgaaa gagcaattga tgctctcagg gaatttaatg aagaaggagc 300
tctgtctgta ctacagcagt tcaaggaaag tgacttatca catgttcaga acaaaagtgc 360
atttttatgt ggagttatga agacctacag gcagagagag aaacagggga gcaaggtgca 420
agagtccaca aagggacctg atgaagcgaa gatcaaggcc ttgcttgaga gaactggtta 480
tactctggat gtaaccacag gacagaggaa gtatggtggt cctccaccag acagtgtgta 540
ctctggcgtg caacctggaa ttggaacgga ggtatttgta ggcaaaatac caagggattt 600
atatgaggat gagttggtgc ccctttttga gaaggccgga cccatttggg atctacgtct 660
tatgatggat ccactgtccg gtcagaatag agggtatgca tttatcacct tctgtggaaa 720
ggaagctgca caggaagccg tgaaactgtg tgacagctat gaaattcgcc ctggtaaaca 780
ccttggagtg tgcatttctg tggcaaacaa cagacttttt gttggatcca ttccgargaa 840
taagactaaa gaaaacattt tggaagaatt cagtaaagtc acagagggtt tggtggacgt 900
tattctctat catcaacccg atgacaaaaa gaagaatcgg gggttctgct tccttgaata 960
tgaggatcac aagtcagcag cacaagccag acgccggctg atgagtggaa aagtaaaagt 1020
gtggggaaat gtagttacag ttgaatgggc tgaccctgtg gaagaaccag atccagaagt 1080
catggctaag gtaaaagttt tgtttgtgag aaacttggct actacggtga cagaagaaat 1140
attggaaaag tcattttctg aatttggaaa actcgaaaga gtaaagaagt tgaaagtgga 1200
kgccgctcmt kagaactagt ggatcccccg ggctggcagg attwcggcac gagaatgaat 1260
ggcaaagaaa tagaagggga agaaattgaa atagtcttag ccaagccacc agacaagaaa 1320
aggaaagagc gccaagctgc tagacaggcc tccagaagca ctgcgtatga agattattac 1380
taccaccctc ctcctcgcat gccacctcca attagaggtc ggggtcgtgg tgggggggaga 1440
ggtggatatg gctaccctcc agattactac ggctatgaag attactatga tgattactat 1500
ggttatgatt atcacgacta tcgtggaggc tatgaagatc cctactacgg ctatgatgat 1560
ggctatgcag taagaggaag aggaggagga aggggagggc gaggtgctcc accaccacca 1620
aggggggaggg gagcaccacc tccaagaggt agagctggct attcacagag gggggcacct 1680
ttgggaccac caagaggctc taggggtggc agaggggggtc ctgctcaaca gcagagaggc 1740
cgtggttccc gtggatctcg gggcaatcgt gggggcaatg taggaggcaa gagaaaggca 1800
gatgggtaca accagcctga ttccaagcgt cgtcagacca acaaccaaca gaactggggt 1860
tcccaaccca tcgctcagca gccgcttcag caaggtggtg actattctgg taactatggt 1920
tacaataatg acaaccagga attttatcag gatacttatg ggcaacagtg gaagtagaca 1980
agtaagggct tgaaaatgat actggcaaga tacgattggc tctagatcta cattcttcaa 2040
aaaaaaaaaa ttggcttaac tgtttcatct ttaagtagca ttttgctscc atttgtattg 2100
ggctgaagaa atcactattg tgtatatact caagtctttt tatttttcct cttttcataa 2160
atgctcttgg acattattgg gcttgcagag ttcccttatt ctggggatta caatgctttt 2220
atcgtttcag gcttcatttt agcttcaaaa caagctgggc acactgttaa atcatgattt 2280
tgcagaacct ttggttttgg acagtttcat ttttttggat ttgggataga ttacatagga 2340
gtatggagta tgctgtaaat aaaaatacaa gctagtgctt tgtcttagta gttttaagaa 2400
attaaagcaa acaaatttaa gttttcttgt attgaaaata acctatgatt gtatgttttg 2460

cattcctaga agtaggttaa ctgtgttttt aaattgttat aacttcacac ctttttgaaa 2520
tctgccctac aaaatttgtt tggcttaaac gtcaaaagcc gtgacaattt gttctttgat 2580
gtgattgtat ttccaatttc ttgttcatgt aagatttcaa taaaactaaa aaatctattc 2640
aaaaaaaaaa aaaaaaaatg accctcgaga aaaaaaaaaa aaaaaaaaaa aaaaaaaana 2700
a 2701

<210> 325
<211> 1070
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<400> 325
gtgaaaggng catttgctat acagaccttt agaacagcaa catggagtca ttcctgatcg 60
ggatgcagaa ttttgtcttt ttgaccgtgt tgtaaatgtg agagaaaact tctcagttcc 120
agttggcctt cgaggcacca tcataggaat aaaaggagct aatagagaag ccgatgtact 180
atttgaagta ttatttgatk wagaatttcc tggagggtta acaataagat gctcacctgg 240
tagaggttat cgactgccaa caagtgcctt ggtgaacctt tctcatggga gtcgctctga 300
aactggaaat cagaagttga cagccatcgt aaaaccacaa ccagctgtac atcaacatag 360
ytcaagttca tcagtttcct ctgggcattt gggarccctc aaccattccc ctcaatcact 420
ttttgttcct actcaagtac ctactaaaga tgatgatgaa ttctgcaaca tttggcagtc 480
cttacaggga tctggaaaga tgcaatactt cgagccaact atacaagaga agggtgcagt 540
tctacctcaa gaaataagcc aagtaaatca acatcataaa tctggcttta atgacaacag 600
tgttaaatat cagcaaagaa aacatgaccc tcacagaaaa tttaaagaag agtgtaagag 660
tcctaaagct gagtgttggt cccaaaaaat gtccaataag cagcctaact ctggaattga 720
gaacttttta gcatctttga atatctccaa agaaaatgaa rtacagtcat ctcatcatgg 780
ggagcctcca agtgaagagc atttgtcacc acagtcattt gccatgaagg gaacacggat 840
gcttaaagaa attctaaaaa ttgatggctc taacactgtg gaccataaga atgaaatcaa 900
acagattgct aatgaaatcc ctgtttcctc taacagaaga gatgaatatg gattaccctc 960
tcagcctaaa caaaataaga aattagcatc ttatatgaac aagcctcaca gtgctaatga 1020
gtaccataat gttcagtcta tggacaatat gtgttggcct gcccccagcc 1070

<210> 326
<211> 1729
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 326
cacagacgct actctgtagc atctcaggtt ccctctggct gcactctgga ggaccacact 60
cgttttcttt ttggctgcca gaggcccccg catccaccgc tgagctggga gaaagatggc 120
ggcancgtgc gacaggattt ggcccagctc atgaattcga gcggctctca taaagatctg 180
gctggcaagt atcgtcagat cctggaaaaa gccattcagt tatctggagc agaacaacta 240

gaagctttga aagcttttgt ggaagcaatg gtaaatgaga atgtcagtct cgtgatctcg 300
cggcagttgc tgactgattt ttgcacacat cttcctaact tgcctgatag cacagccaaa 360
gaaatctatc acttcacctt ggaaaagatc cagcctagag tcatttcatt tgaggagcag 420
gttgcttcca taagacagca tcttgcatct atatatgaga aagaagaaga ttggagaaat 480
gcagcccaag tgttggtggg aattcctttg gaaacaggac aaaaacagta caatgtagat 540
tataaactgg agacttactt gaagattgct aggctatatc tggaggatga tgatccagtc 600
caggcagagg cttacataaa tcgagcatcg ttgcttcaga atgaatcaac caatgaacaa 660
ttacagatac attataaggt atgctatgca cgtgttcttg attatagaag aaaattcatt 720
gaagctgcac aaaggtacaa tgagctctct tacaagacaa tagtccacga aagtgaaaga 780
ctagaggcct taaaacatgc tttgcactgt acgatcttag catcagcagg gcagcagcgt 840
tctcggatgc tagctactct ttttaaggat gaaaggtgcc agcaacttgc tgcctatggg 900
atcctagaga aaatgtatct agataggatc atcagaggaa atcaacttca agaatttgct 960
gccatgctga tgcctcacca aaaagcaact acagctgatg gttccagcat cttggacaga 1020
gctgttattg aacacaattt gttgtctgca agcaaattat ataataatat taccttcgaa 1080
gaacttggag ctcttttaga gatccctgca gctaaggcgg aaaagatagc atctcaaatg 1140
ataaccgaag acgtatgaat ggatttattg accagattga tggaatagtt cattttgaaa 1200
cacgagaagc cctgccaacg tgggataagc agatccaatc actttgtttc caagtgaata 1260
acctttgga gaaaattagt caaacagcac cagaatggac agcacaagcc atggaagccc 1320
agatggctca gtgaatcctt gcagaacttc tgtgcacatg acatcttttt ccatgttgtg 1380
cagatcagtt tcactatctc caaagcattt gcatcatgac cttatacatt tcaatccctt 1440
ttatgctgga ttccgtttaa agaagacatt attagagcag gaagtacaag catttaaaat 1500
atgtagttcc catatatttc agggtctctg tgtattaagc taactcagat gttttgaaag 1560
ctttttcttt aaacagaggt gaaatatctg tggctaaaaa gtttgagatt tgtgataact 1620
ttgtagtcat gtaaaactta agtgcttcat gcctctccaa atgtggttat tctaataaat 1680
ggagaaatga gccaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 1729

<210> 327
<211> 686
<212> DNA
<213> Homo sapiens

<400> 327
ggcacgagca tgagccactg cacccagccg atactactat atccccattt tacagatgag 60
cacatgggca aattgagggt aaggcactga cccatgatca tacagctgag aagtggcaaa 120
ggcaggattt gaacctagaa cctctggctc cacacactag taatctaaac cactctccct 180
acaatacaac atacgtggta aagatgtgtg gtgggcacgc aatcaacgta ggtcccttca 240
cagttgctgg gagaggcagg aatttgcagt tcctccgcgt tctcctcctc cgctgcccac 300
ctgtcctggg tcattcctgc agcctgccct gccctgcctg gtctcaccct ccctctgcca 360
acagaagtct gggcagggtt ttatgggctc tgataaggcc ctggcagggc cgaagttcat 420
gagcacttcc tctttgcagg agggcgtagg ggaggggacc caggtgattt gggtcctggc 480
tggtcaccag ggaagctggc aagggaaggg agactagggt gcgctctagg agaagccgac 540
agcctgagag tcccagaaga ggagccctgt ggaccctccc ctgccagcca ctcccttacc 600
ctgggtataa gagccaccac cgcctgccat ccgccaccat ctcccactcc tgcagctctt 660
ctcacaggac cagccactag cgcagc 686

<210> 328
<211> 1241
<212> DNA
<213> Homo sapiens

<400> 328

agacgagcgt ggcggccgcg gctgctcggg gccgcgctgg ttgcccattg acagcggcgt 60
ctgcagctcg cttcaagatg gccgcttgct cgcattcatt ttctgctgaa cgacttttaa 120
ctttcattgt ctttttccgcc cgcttcgatc gcctcgsgcc ggctgctctt tccgggattt 180
tttatcaagc agaaatgcat cgaacaacga gaatcaagat cactgagcta aatccccacc 240
tgatgtgtgt gctttgtgga gggtacttca ttgatgccac aaccataata gaatgtctac 300
attccttctg taaaacgtgt attgttcgtt acctggagac cagcaagtat tgtcctattt 360
gtgatgtcca agttcacaag accagaccac tactgaatat aaggtcagat aaaactctcc 420
aagatattgt atacaaatta gttccagggc ttttcaaaaa tgaaatgaag agaagaaggg 480
atttttatgc agctcatcct tctgctgatg ctgccaatgg ctctaatgaa gatagaggag 540
aggttgcaga tgaagataag agaattataa ctgatgatga gataataagc ttatccattg 600
aattctttga ccagaacaga ttggatcgga aagtaaacaa agacaaagag aaatctaagg 660
aggaggtgaa tgataaaaga tacttacgat gcccagcagc aatgactgtg atgcacttaa 720
gaaagtttct cagaagtaaa atggacatac ctaatacttt ccagattgat gtcatgtatg 780
aggaggaacc tttaaaggat tattatacac taatggatat tgcctacatt tatacctgga 840
gaaggaatgg tccacttcca ttgaaataca gagttcgacc tacttgtaaa agaatgaaga 900
tcagtcacca gagagatgga ctgacaaatg ctggagaact ggaaagtgac tctgggagtg 960
acaaggccaa cagcccagca ggaggtattc cctccacctc ttcttgtttg cctagcccca 1020
gtactccagt gcagtctcct catccacagt ttcctcacat ttccagtact atgaatggaa 1080
ccagcaacag ccccagcggt aaccaccaat cttcttttgc caatagacct cgaaaatcat 1140
cagtaaatgg gtcatcagca acttcttctg gttgatacct gagactgtta aggaaaaaaa 1200
aaaaaaaaaa accccggccg ctcccacttc agattggtaa c 1241

<210> 329
<211> 1652
<212> DNA
<213> Homo sapiens

<400> 329
tctgactgga ctttctatta gctcaactcc accagctgtc agtagtgttc tcagtacagg 60
tgtaccaaca gtaccgttat tgccaccaca agtaaaccag tccctcactt ctgtgccacc 120
aatgaatcca gctactacat taccaggtct gatgccttta ccagcaggac tgcccaacct 180
ccccaacctc aacctcaacc tcccagcacc acacatcatg ccaggggttg gcttaccaga 240
acttgtaaac ccaggtctgc cacctcttcc ttccatgcct ccccgaaact tacctggcat 300
tgcacctctc cccctgccat ccgagttcct cccgtcattc cccttggttc cagagagctc 360
ttctgcagca agctcaggag agctgctgtc ttccctcccg cccaccagca acgcaccctc 420
tgaccctgcc acaactactg caaaggcaga cgctgcctcc tcactcactg tggatgtgac 480
gccccccact gccaaggccc ccaccaccgt tgaggacaga gtcggcgact ccaccccagt 540
cagcgagaag cctgtttctg cggctgtgga tgccaatgct tctgagtcac cttaactttg 600
aaccattctt tggaattggc gtggtatatt taaccacggg agcgtgtctg gaaacgcaaa 660
ctatcattaa tttcatacta gtttgtaccg tatctgtagg catcctgtaa ataattccaa 720
ggggaaaact aaacgaggac gtgggttgta tcctgccagg ttgagtgggg ctcacacgct 780
agggtgagat gtcagaaagc gcttgtattt taaacaacca aaaagaattg taagggtggc 840
ttgctgccag gcttgcactg ccgttcctgg gggtgtgcat cttcgggaaa ggtggtggcg 900
gggcgtccac taggtttcct gtcccctgct gctccttccg taagaaaatg aaatattcta 960
tgcctaatac tcacacgcaa catttcttgt actttgtaag tcgtttgcga gaatgcagac 1020
cacctcacta aactgtaaac ggtaaagaga tttttacttt tggtctccgt gagtcgcatc 1080
tctactaagg tttacacagg aattccacct gaagacttgt gttaaagttc tacagcgcgc 1140
actgttaact gaacgtcttt ttcttcagcc tatacgcgga tccttgtttt gagctctcag 1200
aatcactcag acaacatttt gtaactgctg ctgttgcttt ctacatacac cttataaagt 1260
gacatttcaa aagaaataag gtgccacagt tttaaaccag aaggtggcac tctgtggctc 1320
cttgtagtat tatagctata ctgggaaagc atagatacag caataaagta cagtaatttt 1380

actttttttc ttgtgttaca tctaaattac aacccttaat tgccacgtgt gcacttacta 1440
ctctccagta tgtcttatta ctctccagta tgtcacgcat ctttaacttt tcacgtccta 1500
tgtttgcttt ctcccatttt taagagatgg taagttaact ggaattgatt tactgaatga 1560
aattaaatgc agatatccct gtttttgaaa taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1652

<210> 330
<211> 1916
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1895)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1902)
<223> n equals a,t,g, or c

<400> 330
gccacggcac gcagccagca agttgttttt aaatgttaat atagaaaaca gtgaaggatt 60
agctgaaaat atatgagcag gtgacattga ggtttactga aatagccaat ttgactggtg 120
cttagactat tgtgcagtaa acctaaaagg tagtggagaa ttgcttcctg ctagcaggaa 180
gccttcatct tcttgagtac ccaaaccagg cttcaggtgt cctttgagga tagccaggtt 240
tgaaattttt agtttctcag gaagagctct tctatgtggc aggggctgat agggcaaaat 300
aaaatgacaa tttctttatt gctacagagt atcctctata agttattaaa cgagtgtaat 360
ggtataatgc ccttccatca cacaacagga caccacccca gttttgtttt ctgggtttct 420
tccccctttg taggaatcag atacctttg tagaaaaaaa tggcttatgc cacgtaaagg 480
tgaattttta gaaaccacct tctaggcgtt tttggaaccc ttactgaaat ccctcccctt 540
gttacagatg gcgtagaagt cacaagtctg ttaattggac tgttgcttct ttgcctgttc 600
ctgctttctc tttctgtctg gatagtcagg aaaagattta atgtttaata tttaaacaaa 660
atatttaatg tctatacagt aaaattattc aaacttcaaa ccagtattga aagcagttgg 720
aaaccagcta atagtttctt aatctcagat ttcgagatga atgtaaactg tattcttttg 780
aaatgtgcaa gtgtttgatt catgccattt gataaacttc tgccttgtag tcattgtttg 840
atgggaccaa cttgtaaagt atgagcctta aataaatctc catgctgaaa aatgtgttct 900
aatgcaacac aaaaacatga agtgactgcc cagaggtaga gttagtgttt aggtggaaag 960
ggagatgaca gctttccaaa gaaggaccta aaacacacca agattgtctt ctacaggaat 1020
tgctgggcag gtctccgact aaaggtctta tgatgaaaag gaagaaacaa gcccccaaca 1080
caaggctctg atactactgg taaatgtagg agagaattaa gaatctgtta attaaaatcc 1140
aaacagagct tatttcagta gtcaagttac ctgacatgat aattatttct gcaggataat 1200
tgatgtttta tgttcttttt tggactttat cttcttgcaa aaatttctac aaaaattgtt 1260
ttcttcatcc ttgtggtgct tattcatctg agccgtctcc acagtcccaa tgcctctgct 1320
ttttgtttta cttttgtagc ataaggtttt tgcttttgct ttgccttaag agttccctag 1380
ggagttacca gggcttttcg ttttgtgtag cttttgcagc atggatcaaa cattggctta 1440
ctgtgctaat gtgtgaagag aaaaaattct ctaaagcagg tgagctttaa tgaacaaatg 1500
tgtattttat ctgagtttga gtagggtgcg ttgtggattt tgtttttggg gtttttttt 1560
ttttttgta attatatgaa gaaagtccag ttctcataaa tattgatcac ttaaaaaact 1620
tactctttct tgaaaaggta cacatgtaaa atttaggaaa ataactaaag taggggctgg 1680
aaccataaga agaatgttta tcagcacgtt catttattat tttggatttg gaacttggct 1740

ttgtttttca atagtgacaa gaatggttca gttctaggaa tgttctggaa gatgctgtta 1800
attttacttt aaaatgagaa tctggtgtta ctgtatttta tcgttttcaa taaaacttct 1860
taagtgtttt ggaaaaaaaa aaaaaaaaaa aattnctgcg gnccgcaagg gaattc 1916

<210> 331
<211> 1658
<212> DNA
<213> Homo sapiens

<400> 331
gctcgtgccg attcggcacg agatggaggc agcggtagcc cagtgtctga gtggttgccg 60
ggtctccatg gagaagcggc tcgccagtgt cccaggctgc tgagctctcg ccgcccgaga 120
ccccgcggcg cggccgcagg gccatgctag ccttgcgcgt ggcgcgcggc tcgtgggggg 180
ccctgcgcgg cgccgcttgg gctccgggaa cgcggccgag taagcgascg cctgctgggc 240
cctgctgccg cccgtgccct gctgcttggg ctgcctggcc gaacgctgga ggctgcgtcc 300
ggccgctctt ggcttgcggc tgcccgggat cgkccagcgg aaccactgtt cgggcgcggg 360
gaaggcggct cccaggccag cggyaykgcg ggcgccgctg ccgaagcccc gggcgkccag 420
tggggcccgg cgagcacccc cagcctgtat gaaaacccat ggacaatccc gaatatgttg 480
tcaatgacga gaattggctt ggccccagtt ctgggctatt tgattattga agaagatttt 540
aatattgcac taggagtttt tgctttagct ggactaacag atttgttgga tggatttatt 600
gctcgaaact gggccaatca aagatcagct ttgggaagtg ctcttgatcc acttgctgat 660
aaaatactta tcagtatctt atatgttagc ttgacctatg cagatcttat tccagttcca 720
cttacttaca tgatcatttc gagagatgta atgttgattg ctgctgtttt ttatgtcaga 780
taccgaactc ttccaacacc acgaacactt gccaagtatt tcaatccttg ctatgccact 840
gctaggttaa aaccaacatt catcagcaag gtgaatacag cagtccagtt aatcttggtg 900
gcagcttctt tggcagctcc agttttcaac tatgctgaca gcatttatct tcagatacta 960
tggtgtttta cagctttcac cacagctgca tcagcttata gttactatca ttatggccgg 1020
aagactgttc aggtgataaa agactgatga aagtcatccc tcactgttag taaggaagca 1080
gtatacatca atgggaacag ggcccatgga aatgtacagg agtttcccta ttttggtgtt 1140
cagcttgaaa aaggacttgt cagaatcaac tgtgtcatca aaatttaagt aatgtgcatt 1200
gaaaataagg ttgatcatgg gaatatgcag aatttccaat gtatttttaa atacaaataa 1260
aattgtaatt tagaattttt aaatcttagg tttcttgatt aatttataag agatcaatta 1320
ttgtcagtct tttttgtatg ttttttaaaa acatagtcca gagcatgggc agaattgaca 1380
cctctctttt aagtgaaatt tggattgctc acaaagcact aggaaatgtc atggggttca 1440
aatatatatc cyacacaact gggcaataca tttttgtttg atttttaggt ctgtgtatac 1500
attaacagtt catgtaatta atacckgatc atttgggata atgaaagtga agttagttgt 1560
agatgaagta aagttataaa agagattaaa aatgatcagg tattaattac atgaactgtt 1620
aatgaatcca ggttccaata tcaacaaaca ttgctatg 1658

<210> 332
<211> 1102
<212> DNA
<213> Homo sapiens

<400> 332
tttgcacgta cggtccggaa tcccgggtcg acccacgcgt ccgggaattc atgtggaggt 60
cagagtggaa gcaggtgtga gagggtccag cagaaggaaa catggctgcc aaagtgtttg 120
agtccattgg caagtttggc ctggccttag ctgttgcagg aggcgtggtg aactctgcct 180
tatataatgt ggatgctggg cacagagctg tcatctttga ccgattccgt ggagtgcagg 240
acattgtggt aggggaaggg actcattttc tcatcccgtg ggtacagaaa ccaattatct 300
ttgactgccg ttctcgacca cgtaatgtgc cagtcatcac tggtagcaaa gatttacaga 360

atgtcaacat cacactgcgc atcctcttcc ggcctgtcgc cagccagctt cctcgcatct 420
tcaccagcat cggagaggac tatgatgagc gtgtgctgcc gtccatcaca actgagatcc 480
tcaagtcagt ggtggctcgc tttgatgctg gagaactaat cacccagaga gagctggtct 540
ccaggcaggt gagcgacgac cttacagagc gagccgccac ctttgggctc atcctggatg 600
acgtgtcctt gacacatctg accttcggga aggagttcac agaagcggtg gaagccaaac 660
aggtggctca gcaggaagca gagagggcca gatttgtggt ggaaaaggct gagcaacaga 720
aaaaggcggc catcatctct gctgagggcg actccaaggc agctgagctg attgccaact 780
cactggccac tgcaggggat ggcctgatcg agctgcgcaa gctggaagct gcagaggaca 840
tcgcgtacca gctctcacgc tctcggaaca tcacctacct gccagcgggg cagtccgtgc 900
tcctccagct gccccagtga gggcccaccc tgcctgcacc tccgcgggct gactggccac 960
agccccgatg attcttaaca cagccttcct tctgctccca ccccagaaat cactgtgaaa 1020
tttcatgatt ggcttaaagt gaaggaaata aaggtaaaat cacttcagaa aaaaaaaaaa 1080
aaaaaaaacc ccgggggggg gc 1102

<210> 333
<211> 4201
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4077)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4186)
<223> n equals a,t,g, or c

<400> 333
gcggacgcgt gggcggacgc gtgggtscgg acgcgtgggc tcgcggcgcc gcctcctgct 60
cctcccgctg ctgctgccgc tgccgccctg agtcactgcc tgcgcagctc cggccgcctg 120
gctccccata ctagtcgccg atatttggag ttcttacaac atggcagaca ttgacaacaa 180
agaacagtct gaacttgatc aagatttgga tgatgttgaa gaagtagaag aagaggaaac 240
tggtgaagaa acaaaactca aagcacgtca gctaactgtt cagatgatgc aaaatcctca 300
gattcttgca gcccttcaag aaagacttga tggtctggta gaaacaccaa caggatacat 360
tgaaagcctg cctagggtag ttaaaagacg agtgaatgct ctcaaaaacc tgcaagttaa 420
atgtgcacag atagaagcca aattctatga ggaagttcay gatcttgaaa ggaagtatgc 480
tgttctctat cagcctctat ttgataagcg atttgaaatt attaatgcaa tttatgaacc 540
tacggaagaa gaatgtgaat ggaaaccaga tgaagaagat gagatttcgg aggaattgaa 600
agaaaaggcc aagattgaag atgagaaaaa ggatgaagaa aaagaagacc ccaaaggaat 660
tcctgaattt tggttaactg tttttaagaa tgttgacttg ctcagtgata tggttcagga 720
acacgatgaa cctattctga agcacttgaa agatattaaa gtgaagttct cagatgctgg 780
ccagcctatg agttttgtct tagaatttca ctttgaaccc aatgaatatt ttacaaatga 840
agtgctgaca aagacataca ggatgaggtc agaaccagat gattctgatc ccttttcttt 900
tgatggacca gaaattatgg gttgtacagg gtgccagata gattggaaaa aaggaaagaa 960

tgtcactttg aaaactatta agaagaagca gaaacacaag ggacgtggga cagttcgtac 1020
tgtgactaaa acagtttcca atgactcttt ctttaacttt tttgcccctc ctgaagttcc 1080
tgagagtgga gatctggatg atgatgctga agctatcctt gctgcagact tcgaaattgg 1140
tcacttttta cgtgagcgta taatcccaag atcagtgtta tattttactg gagaagctat 1200
tgaagatgat gatgatgatt atgatgaaga aggtgaagaa gcggatgagg gttatcagct 1260
ctttgaagaa gtcaaaagct gcagtaaact tttccaacgt tggctgcagt aactattttc 1320
aataaaagct gtctggatgt ctcaagttgt gttgggaaat ttttcatatt agaagctttc 1380
aaattaaatt gtattatcat caaagtctgt aatcatgaaa atctgttgat ccgtagagta 1440
acttgtatta aattttccct acattatgag ccagtttacc tactatgtac atacttcatg 1500
gatgcatttt gaactttaat ataggaaggg gaagaagaag gagatgagga aaatgatcca 1560
gactatgacc caaagaagga tcaaaaccca gcagagtgca agcagcagtg aagcaggatg 1620
tatgtggcct tgaggataac ctgcactggt ctaccttctg cttccctgga aaggatgaat 1680
ttacatcatt tgacaagcct attttcaagt tatttgttgt ttgtttgctt gtttttgttt 1740
ttgcagctaa aataaaaatt tcaaatacaa ttttagttct tacaagataa tgtcttaatt 1800
ttgtaccaat tcaggtagaa gtagaggcct accttgaatt aagggttata ctcagttttt 1860
aacacattgt tgaagaaaag gtaccagctt tggaacgaga tgctatacta ataagcaagt 1920
gtaaaaaaaa aaaaaaaaga ggaagaaaat cttaagtgat tgatgctgtt ttcttttaaa 1980
aaaaaaaaaa taaaattcat tttctttggg ttagagctag agagaaggcc ccaagcttct 2040
atggtttctt ctaattctta ttgcttaaag tatgagtatg tcacttaccc gtgcttctgt 2100
ttactgtgta attaaaatgg gtagtactgt ttacctaact acctcatgga tgtgttaagg 2160
catattgagt taaatctcat ataatgtttc tcaatcttgt taaaagctca aaattttggg 2220
cctatttgta atgccagtgt gacactaagc attttgttca caccacgctt tgataactaa 2280
actggaaaac aaaggtgtta agtacctctg ttctggatct gggcagtcag cactcttttt 2340
agatctttgt gtggctccta tttttataga agtggaggga tgcactattt cacaaggtcc 2400
aagatttgtt ttcagatatt tttgatgact gtattgtaaa tactacaggg atagcactat 2460
agtattgtag tcatgagact taaagtggaa ataagactat ttttgacaaa agatgccatt 2520
aaatttcaga ctgtagagcc acatttacaa tacctcaggc taattactgt taattttggg 2580
gttgaacttt tttttgacag tgagggtgga ttattggatt gtcattagag gaaggtctag 2640
atttcctgct cttaataaaa ttacattgaa ttgattttta gaggtaatga aaacttcctt 2700
tctgagaagt tagtgttaag gtcttggaat gtgaacacat tgtttgtagt gctatccatt 2760
cctctcctga gattttaact tactactgga aatccttaac caattataat agctttttt 2820
ctttattttc aaaatgattt cctttgcttt gattagacac tatgtgcttt tttttttaa 2880
ccatagttca tcgaaatgca gctttttctg aacttcaaag atagaatccc atttttaatg 2940
aactgaagta gcaaaatcat ctttttcatt ctttaggaaa tagctattgc caaagtgaag 3000
gtgtagataa tacctagtct tgttacataa aggggatgtg gtttgcagaa gaatttttctt 3060
tataaaattg aagttttaag ggacgtcagt gtttatgcca tttttccagt tccaaaatga 3120
ttccattcca ttctagaaat ttgaagtatg taacctgaaa tccttaataa aatttggatt 3180
taatttata aaatgtactg gtgatatttt gggtgttttt ttttaaatga atgtatatac 3240
tttttttttg aagagtggag agtagtgatg tctagaggga gctattttgt gctgaggcca 3300
ctatgttctg taaatatata attttaagag caacctcaca atccctgcta agtggagttt 3360
attatttgaa gactaaaatg gaattccata gttcctgata ggttatattc tgrgttatta 3420
ttctgagtta tctacaaaca tttttgagat ttgtctttac actctgattg tagtttccag 3480
cagcccatgc acactgccaa gtaagtctca ttttttcctg ttagaaatgg tgaaatatca 3540
tataatcact tataaagaaa actgatatga aaaaatttta gagttgtttg ctttatggtc 3600
actcaagtag ggtaagtgtt ccacaaattc cacaagttga tagtttaaca tggatgtctg 3660
aaagccacat atataatttc ttaggattct taaattagta aatctagctt actgaagcag 3720
tattagcatc actattttag attgcaaaaa taccttaatt gtgtggaact ggcttgtaga 3780
gtggtactta agaaaaatgg gattctacct ctatttctgt tttagcacac ttaatcagga 3840
aaggatatat taactttcat aaaaatattt ttgttgtgtg aataggttaa tgatatggta 3900
aggcccctaa aataactgaa ttaattgttt attgtaattg taggccattc ccattattaa 3960
aaataaagac aaaacttgaa gtaactgaaa atcttatcgt gctatgtaga aatattgaac 4020

taatattcaa atatttgaat gctttggttt cagggattgg tttaaaattg gagtccnttt 4080
tttatggggt tagtcttaca aaaatttaag cctttatatt tttgacttta aatcaaaacc 4140
aaatgttatt ttaaatgtac nggaatwgga ttgggtaggt gcmggnagga rtgtwaggtt 4200
c 4201

<210> 334
<211> 1239
<212> DNA
<213> Homo sapiens

<400> 334
aattcggcac gagctgaagc cctctctctg gatgacacag actttgaggt gtagtgaaat 60
ctttgctgtt caccagatgt aatgttttag ttccttacaa acagggttgg gggggggaag 120
ggcgtgcaaa aactaacatt gaaattttga aacagcagca gagtgagtgg attttatttt 180
tcgttattgt tggtggttta aaaaattccc cccatgtaat tattgtgaac accttgcttt 240
gtggtcactg taacatttgg ggggtgggac agggaggaaa agtaacaata gtccacatgt 300
ccctggcatc tgttcagagc agtgtgcaga atgtaatgct cttttgtaag aaacgtttta 360
tgatttttaa aataaattta gtgaacctat ttttggtggt catttttttt ttaagacagt 420
cattttaaaa tggtggctga atttcccaac ccacccccaa actaaacact aagtttaatt 480
ttcagctcct ctgttggaca tataagtgca tctcttgttg gacataggca aaataacttg 540
gcaaacttag ttctggtgat ttcttgatgg tttggaagtc tattgctggg aagaaattcc 600
atcatacata ttcatgctta taataagctg gggatttttt gtttgttttt gcaaatgctt 660
gcccctactt ttcaacaatt ttctatgtta gttgtgaaga actaaggtgg ggagcagtac 720
tacaagttga gtaatggtat gagtatatac cagaattctg attggcagca agttttatta 780
atcagaataa cacttggtta tggaagtgac taatgctgaa aaaattgatt atttttatta 840
gataatttct cacctataga cttaaactgt caatttgctc tagtgtctta ttagttaaac 900
tttgtaaaat atatatatac ttgtttttcc attgtatgca aattgaaaga aaaagatgta 960
ccatttctct gttgtatgtt ggattatgta ggaaatgttt gtgtacaatt caaaaaaaaa 1020
aaagatgaaa aaagttcctg tggatgtttt gtgtagtatc ttggcatttg tattgatagt 1080
taaaattcac ttccaaataa ataaaacacc catgatgcta gatttgatgt gtgcccratt 1140
tgaacaaggg ttgattgaca cctgtaaaat ttgttgaaac gttcctctta aaaggaaata 1200
tagtaatctt atgtaaaaaa aaaaaaaaaa aactcgaga 1239

<210> 335
<211> 1249
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 335
gcaaggagtc cccaatgcaa agacacagcg ctgcgnttgg cacctccttc ctcactccct 60
caaaattgtt aagaaatgtt agtggtgggt ctgatctgac tgcagccatc ggtaaataaa 120
agtttttgat cctgttgaac ccgcctgaga cggtgctgtg aggggaaagc cttccgcacc 180
cacacaggaa ttctgctgag gtccccccctc cttccggcca atggcagaag tgggggaaaa 240
tttttagaag aaaagcaaac atgtgagacc aatcattatc aaatactttt atttttggt 300
tgagtattta tctttttatt ttttatttttt ttttttgaaa gaatgtcttg gaatgcgcaa 360
gtctcccttt agagccgtct tttgcaggga gcgggaagtg acaagagctc agatctccct 420

cccgatctcc ctccccacct ccgaagtctc ctccgtggac cacaggtgga tctttgtgcg 480
aacaacttgc atttcggaag ccactgtccg tctttaaaca gaaagtcgaa ggagccacga 540
agcaagcggc cgtccgggcg tccgyctgcc gtccccttcc atgttcctcc tcttccttcg 600
cttcagcctc ttctgttatg ttttgtcttg aattttattt agacttttтc agtgggtatt 660
tttctgtctt ccaacctcta ctgtaaactt tctggtccga gaacgagccg aacacagcgc 720
gacgcaggga ctaggacggc ccggtgaccg cgcggattca ggattgcggg gacgcagaaa 780
ggttaaggca cttttaaaaa ctatagcaag gctcctgttt atttattcta ctttctttcc 840
ctaataatca aaacaccgcg taggctcctc cgtttatcag tattaatggt gtaactttgt 900
tggcaatatt tgccgtgtag aatttttttt agatatccat tgtaaatttg aaacaaagac 960
cgatctgtgt aaaaacaaat ttccatatgt tttatataaa tatatatata atatgaagga 1020
ctaccctcct ttttttttt gtattttggc tgctagagtg cagcatttgt gacacgtatt 1080
tgaaatttga aatttccttc tgcactgtat aaaaggacca tttgaggatg ttttgccttt 1140
tgtgtatttt ttcctaaaaa aagaacaaaa ataaaaatgt ataacatttg tacatggcct 1200
ttaaaattgt atcaactaga aataaaattg catgagtatt ttaaaaaaa 1249

<210> 336
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (690)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (703)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (718)
<223> n equals a,t,g, or c

<400> 336
ggcttaaatg tgattcttga tactgtttta agtatttagg ttgcaattaa ctttggcaaa 60
gtcagtcgac ataagccctg tggatatggc cttatgtaca ctgtaatgca gacaggtgct 120
tttcatcatt catgtaacat tctcacacag ttgaggrtat tcatctcctc accaattcca 180
gattgtraat gtacywtctt aaacaactct tgaggtcacc aaacagtagt tatttgactg 240
ttaataggtg ctacttgctt gcaaggattt ggagatgtaa acatgaagaa aatatagtta 300
ctgcctgcaa agaattaaca tccgtctagt gggagaaaca aacacacccc actcactaag 360
tatggaaaac tgattctggg aggaagcaga aatgtcccta gataacagca tgtattgcag 420
atacccaaat gtttattgtt ttctcagccc ttcaattttg cttttctctc tcaaatgcta 480
cagactcaat ttaaatctta cctttgattg ttgaaaaaag tcactaagat gtgaatacag 540
aatagacatt gagaggttat atatgtccaa aactcatctg tccagcagtc accgtcctct 600
tcagagtggt cacgttgggc agrtgggcac aggtgctggt gatgcccctc ckgggcaaaa 660
cgccccattt gtggcacttc cagatactan ttatttactt ttnaagagag agacaggntc 720
ac 722

<210> 337

<211> 2210
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<400> 337
cgcgcctgca ggttcgacag tagtggatcc aaagaattcn gcacgaggct gggtgcagca 60
accggagcgg cggcgcgtct ggaggaggct gcagcagcgg aagaccccag tccagatcca 120
ggactgagat cccagaacca tgaacctggc catcagcatc gctctcctgc taacagtctt 180
gcaggtctcc cgagggcaga aggtgaccag cctaacggcc tgcctagtgg accagagcct 240
tcgtctggac tgccgccatg agaataccag cagttcaccc atccagtacg agttcagcct 300
gacccgtgag acaaagaagc acgtgctctt tggcactgtg ggggtgcctg agcacacata 360
ccgctcccga accaacttca ccagcaaata caacatgaag gtcctctact tatccgcctt 420
cactagcaag gacgagggca cctacacgtg tgcactccac cactctggcc attccccacc 480
catctcctcc cagaacgtca cagtgctcag agacaaactg gtcaagtgtg agggcatcag 540
cctgctggct cagaacacct cgtggctgct gctgctcctg ctctccctct ccctcctcca 600
ggccacggat ttcatgtccc tgtgactggt ggggcccatg gaggagacag gaagcctcaa 660
gttccagtgc agagatccta cttctctgag tcagctgacc ccctccccsc aatccctcaa 720
accttgagga gaagtgggga ccccacccct catcaggagt tccagtgctg catgcgatta 780
tctacccacg tccacgcggc cacctcaccc tctccgcaca cctctggctg tctttttgta 840
ctttttgttc cagagctgct tctgtctggt ttatttaggt tttatccttc cttttctttg 900
agagttcgtg aagagggaag ccaggattgg ggacctgatg gagagtgaga gcatgtgagg 960
ggtagtggga tggtggggta ccagccactg gaggggtcat ccttgcccat cgggaccaga 1020
aacctgggag agacttggat gaggagtggt tgggctgtgc ctgggcctag cacggacatg 1080
gtctgtcctg acagcactcc tcggcaggca tggctggtgc ctgaagaccc cagatgtgag 1140
ggcaccacca agaatttgtg gcctaccttg tgagggagag aactgagcat ctccagcatt 1200
ctcagccaca accaaaaaaa aataaaaagg gcagccctcc ttaccactgt ggaagtccct 1260
cagaggcctt ggggcatgac ccagtgaaga tgcaggtttg accaggaaag cagcgctagt 1320
ggagggttgg agaaggaggt aaaggatgag ggttcatcat ccctccctgc ctaaggaagc 1380
taaaagcatg gccctgctgc ccctccctgc ctccacccac agtggagagg gctacaaagg 1440
aggacaagac cctctcaggc tgtcccaagc tcccaagagc ttccagagct ctgacccaca 1500
gcctccaagt caggtggggt ggagtcccag agctgcacag ggtttggccc aagtttctaa 1560
gggaggcact tcctcccctc gcccatcagt gccagccccc gctggctggt gcctgagccc 1620
ctcagacagc cccctgcccc gcaggcctgc cttctcaggg acttctgcgg ggcctgaggc 1680
aagccatgga gtgagaccca ggagccggac acttctcagg aaatggcttt tcccaacccc 1740
cagcccccac ccggtggttc ttcctgttct gtgactgtgt atagtgccac cacagcttat 1800
ggcatctcat tgaggacaaa gaaaactgca caataaaacc aagcctctgg aatctgtcct 1860
cgtgtccacc tggccttcgc tcctccagca gtgcctgcct gccmcgcttc gctggggtct 1920
ccacgggtga ggctggggaa cgccacctct tcctcttccc tgacttctcc ccaaccactt 1980
agtagcaacg ctaccccagg ggctaatgac tgcacactgg gcttcttttc agaatgaccc 2040
taacgagaca catttgccca aataaacgaa catcccatgt ctgctgactc acctggctgg 2100
aacaacatgc ttactgccaa catgtgggcc gaaccacatg gccctggctt tggaatgcac 2160
aagtggcttt gcgtgaattt gcgctaagct atgcagtttg aaaaaaaaaa 2210

<210> 338
<211> 741
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (656)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (711)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (719)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (720)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (737)
<223> n equals a,t,g, or c

<400> 338
ttcagtatgt ggtgctaccc atggcgacag ggagttattg gataccttta tatatacact 60
actcccttca acaaactgcc tggtctatag gatcttgctc aaggacctgt tccaggaaac 120
ctctagattt tccccccttgc ctagcctctg tgaaggcaga aatcactaat ggagtggttt 180
gccttaaata cctttgtacg tgtaacatcc tgcaatgtat atgatattta gtaggcattc 240
aataagtatt tgctgaataa gttaaaaaaa ttaatatgta tctgatgctg attaatcact 300
ctatataaaa tataaaatgt gtaaaaaaaa aatggtcact ggttttactg ttgaagcctg 360
tgttttatag atggaaaata tcacaagcaa attaaaatag aagagaatgc aacaggtttc 420
agttatgagt cacttttttcg cgaatacctt aatgagacag ttacagaagt ttggatagaa 480
gatccttata ttagacatac tcatcagggc attgatcaag tgcagcaaag tagaggcctg 540
caagaaatag aagagtcact caggagtcac gggagtgctg ntggaaggtc aatactcttc 600
ttcaatacat gaccgagaaa ttaggttcaa caatggatgg gtgattaaag attggnaagg 660
ggacttggtt attttaagga aacccccagg tagggatata atcttaatga ngtaaatgnn 720
tagcactggt ttttggnatc a 741

<210> 339
<211> 2045
<212> DNA
<213> Homo sapiens

<400> 339
cccgggtcga cccacgcgtc cggaaagatc caaaacaagt ggctgcggcc gtcgcccagg 60
agtcatcgga cgccagaatc tggccgggtt ctgagcttgt tccgcctccc tcccccggga 120
atggcgctat ccgggtcgac cccggccccg tgctgggagg aggatgagtg cctggactac 180
tacgggatgc tgtcgcttca ccgtatgttc gaggtggtgg gcgggcaact gaccgagtgc 240
gagctggagc tcctggcctt tctgctggat gaggctcctg gcgccgccgg aggcttagcc 300
cgggcccgca gcggcctaga gctcctgctg gagctggagc gccgcgggca gtgcgacgag 360
agcaacctgc ggctgctggg gcaactcctg cgcgtgctgg cccgccacga cctgctgccg 420
cacctggcgc gcaagcggcg ccggccagtg tctccagaac gctatagcta tggcacctcc 480
agctcttcaa agaggacaga gggtagctgc cgtcgccgtc ggcagtcaag cagttctgca 540
aattctcagc agggtcagtg ggagacaggc tccccccaa ccaagcggca gcggcggagt 600
cggggccggc ccagtggtgg tgccagacgg cggcggagag gggccccagc cgcaccccag 660
cagcagtcag agcccgccag accttcctct gaaggcaaag tgacctgtga catccggctc 720
cgggttcgag cagagtactg cgagcatggg ccagccttgg agcagggcgt ggcatcccgg 780
cggccccagg cgctggcgcg gcagctggac gtgtttgggc aggccaccgc agtgctgcgc 840
tcaagggacc tgggctctgt ggtttgtgac atcaagttct cagagctctc ctatctggac 900
gccttctggg gcgactacct gagtggcgcc ctgctgcagg ccctgcgggg cgtgttcctg 960
actgaggccc tgcgagaggc tgtgggccgg gaggctgttc gcctgctggt cagtgtggat 1020
gaggctgaet atgaggctgg ccggcgccgc ctgttgctga tggaggagga agggggcgg 1080
cgcccgacag aggcctcctg atccaggact ggcaggattg atcccacctc caagtctccg 1140
ggccaccttc tcctgggagg acgaccatct ctacccctag aggactgtca ctctagcatc 1200
tttgaggact gcgacaggac cgggacagca ggccccttga cagccctcc cacaggatgt 1260
gggctctgag gcctaaacca tttccagctg agtttccttc ccagactcct cctaccccca 1320
ggtgtgcccc cttagcctcc ggaggcgggg gctgggcctg tatctcagaa gggaggggca 1380
cagctacaca ctcaccaaag gccccctgc acattgtatc tctgatcttg ggctgtctgc 1440
actgtcacag gtgcacacac tcgctcatgc tcacactgcc cctgctgaga tcttccctgg 1500
gcctctgccc tggcctgctt cccagcacac acttctttgg cctaagggct tctctctcag 1560
gacctctaat ttgaccacaa ccaacctggg cttcagccac atcagtgggc actggagctg 1620
gggtgcacat ggggcctgct caccttgccc acacatctcc agccagccag ggccctgccc 1680
agcttcaatt tacagacctg actctcctca ccttcccccc tgctgtccag agctgaacat 1740
agacttgcac ttggatgtca cctggagtgt cacatgggag tgttatggca gcatcatacc 1800
aaggcctact gttgcacatg gggccaaaac cagtaaacag ccaccttctt ggaaagggaa 1860
tgcaaaggct ttgggggtga tggaaaagac ctttaacaaa tgataccaat taaactgccc 1920
tggaaagggc ataggtggga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2040
aaaaa 2045

<210> 340
<211> 2074
<212> DNA
<213> Homo sapiens

<400> 340
cctatggaaa aacgccagca acgcggcctt tttacggttc ctggcctttt gctggccttt 60
tgctcacatg ttctttcctg cgttatcccc tgattctgtg gataaccgta ttaccgcctt 120
tgagtgagct gataccgctc gccgcagccg aacgaccgag cgcagcgagt cagtgagcga 180
ggaagcggaa gagcgcccaa tacgcaaacc gcctctcccc gcgcgttggc cgattcatta 240
atgcagctgg cacgacaggt ttcccgactg gaaagcgggc agtgagcgca acgcaattaa 300
tgtgagttag ctcactcatt aggcacccca ggctttacac tttatgcttc cggctcgtat 360
gttgtgtgga attgtgagcg gataacaatt tcacacagga aacagctatg accatgatta 420

cgccaagctc gaaattaacc ctcactaaag ggaacaaaag ctggagctcc accgcggtgg 480
cggccgctct agaactagtg gatccccccgg gctgcaggaa ttcggcacga gcatggttct 540
gcagacgacc aaggggctgc ggcttctctt tgatggcgat gcccacctcc tcatgtccat 600
ccccagcccc ttccgtggac ggctctgtgg cctctgtggg aacttcaatg gcaactggag 660
tgacgacttt gtcctgccca atggctcagc agcgtccagt gtggagacct tcggggctgc 720
atggcgggtg cccggctcct ccaagggctg tggcgagggc tgcgggcccc aaggctgccc 780
agtgtgcttg gcagaggaga ctgcacccta tgagagcaac gaggcctgcg ggcagctccg 840
gaacccccag ggcccttcg cgacctgcca ggcggtgctg agtccctctg agtacttccg 900
ccaatgcgta tacgacctgt gcgcgcaaaa gggtgacaaa gccttcctgt gccgcagcct 960
ggcagcctac acggcggcct gtcaggcagc tggcgtggcc gtgaagccct ggaggacaga 1020
cagcttctgc ccgctccatt gccccgccca cagccactac tccatctgca ctcgcacctg 1080
ccagggatcc tgtgcggctc tctccggcct cacgggctgc accacccgct gttttgaggg 1140
ctgtgagtgc gacgaccgct tcctgctttc ccagggtgtc tgcatccctg tccaagattg 1200
tggctgcacc cataatggcc gatacttgcc ggtaaactcc tccctgctga cctcagactg 1260
cagcgagcgc tgttcctgtt cctcaagctc tggcctgaca tgccaggccg ctggctgccc 1320
accaggccgt gtatgtgagg tcaaggctga agcccggaac tgctgggcca cccgtggtct 1380
ctgtgtcctg tctgtgggtg ccaacctcac caccttttgat ggggcccgtg gtgccaccac 1440
ctctcctggt gtctatgagc tctcttcccg ctgcccagga ctacagaata ccatcccctg 1500
gtaccgtgta gttgccgaag tccagatctg ccatggcaaa acggaggctg tgggccaggt 1560
ccacatcttc ttccaggatg ggatggtgac gttgactcca aacaagggtg tgtgggtgaa 1620
tggtctccga gtggatctcc cagctgagaa gttagcatct gtgtccgtga gtcgtacacc 1680
tgatggctcc ctgctagtcc gccagaaggc aggggtccag gtgtggcttg gagccaatgg 1740
gaaggtggct gtgattgtca gcaatgacca tgctgggaaa ctgtgtgggg cctgtggaaa 1800
ctttgacggg gaccagacca atgattggca tgactcccag gagaagccag cgatggagaa 1860
atggagagcg caggacttct ccccatgtta tggctgatca gtcatccacc aggaacgaag 1920
atttcctgaa gaagacctgg tccctctgga ggttgcggtg gctgaaggat gcatcatgtg 1980
ctcctaccct gctctaccgc ttttctgggt cacagaggcc aaatgtgaga gcattgaata 2040
aatatcttaa gctaaaaaaa aaaaaaaaaa aaaa 2074

<210> 341
<211> 2867
<212> DNA
<213> Homo sapiens

<400> 341
ccacgcgtcc ggagaaatca cagggagatg tacagcaatg gggccattta agagttctgt 60
gttcatcttg attcttcacc ttctagaagg ggccctgagt aattcactca ttcagctgaa 120
caacaatggc tatgaaggca ttgtcgttgc aatcgacccc aatgtgccag aagatgaaac 180
actcattcaa caaataaagg acatggtgac ccaggcatct ctgtatctgt ttgaagctac 240
aggaaagcga ttttatttca aaaatgttgc cattttgatt cctgaaacat ggaagacaaa 300
ggctgactat gtgagaccaa aacttgagac ctacaaaaat gctgatgttc tggttgctga 360
gtctactcct ccaggtaatg atgaacccta cactgagcag atgggcaact gtggagagaa 420
gggtgaaagg atccacctca ctcctgattt cattgcagga aaaaagttag ctgaatatgg 480
accacaaggt agggcatttg tccatgagtg ggctcatcta cgatggggag tatttgacga 540
gtacaataat gatgagaaat tctacttatc caatggaaga atacaagcag taagatgttc 600
agcaggtatt actggtacaa atgtagtaaa gaagtgtcag ggaggcagct gttacaccaa 660
aagatgcaca ttcaataaag ttacaggact ctatgaaaaa ggatgtgagt ttgttctcca 720
atcccgccag acggagaagg cttctataat gtttgcacaa catgttgatt ctatagttga 780
attctgtaca gaacaaaacc acaacaaaga agctccaaac aagcaaaatc aaaaatgcaa 840
tctccgaagc acatgggaag tgatccgtga ttctgaggac tttaagaaaa ccactcctat 900
gacaacacag ccaccaaatc ccaccttctc attgctgcag attggacaaa gaattgtgtg 960

tttagtcctt gacaaatctg gaagcatggc gactggtaac cgcctcaatc gactgaatca 1020
agcaggccag cttttcctgc tgcagacagt tgagctgggg tcctgggttg ggatggtgac 1080
atttgacagt gctgcccatg tacaaagtga actcatacag ataaacagtg ggcagtgaca 1140
gggacacact cgccaaaaga ttacctgcag cagcttcagg agggacgtcc atctgcagcg 1200
ggcttcgatc ggcatttact gtgattagga agaaatatcc aactgatgga tctgaaattg 1260
tgctgctgac ggatggggaa gacaacacta taagtgggtg ctttaacgag gtcaaacaaa 1320
gtggtgccat catccacaca gtcgctttgg ggccctctgc agctcaagaa ctagaggagc 1380
tgtccaaaat gacaggaggt ttacagacat atgcttcaga tcaagttcag aacaatggcc 1440
tcattgatgc ttttggggcc ctttcatcag gaaatggagc tgtctctcag cgctccatcc 1500
agcttgagag taagggatta accctccaga acagccagtg gatgaatggc acagtgatcg 1560
tggacagcac cgtgggaaag gacactttgt ttcttatcac ctggacaacg cagcctcccc 1620
aaatccttct ctgggatccc agtggacaga agcaaggtgg ctttgtagtg gacaaaaaca 1680
ccaaaatggc ctacctccaa atcccaggca ttgctaaggt tggcacttgg aaatacagtc 1740
tgcaagcaag ctcacaaacc ttgaccctga ctgtcacgtc ccgtgcgtcc aatgctaccc 1800
tgcctccaat tacagtgact tccaaaacga acaaggacac cagcaaattc cccagccctc 1860
tggtagttta tgcaaatatt cgccaaggag cctccccaat tctcagggcc agtgtcacag 1920
ccctgattga atcagtgaat ggaaaaacag ttaccttgga actactggat aatggagcag 1980
gtgctgatgc tactaaggat gacggtgtct actcaaggta tttcacaact tatgacacga 2040
atggtagata cagtgtaaaa gtgcgggctc tgggaggagt taacgcagcc agacggagag 2100
tgatacccca gcagagtgga gcactgtaca tacctggctg gattgagaat gatgaaatac 2160
aatggaatcc accaagacct gaaattaata aggatgatgt tcaacacaag caagtgtgtt 2220
tcagcagaac atcctcggga ggctcatttg tggcttctga tgtcccaaat gctcccatac 2280
ctgatctctt cccacctggc caaatcaccg acctgaaggc ggaaattcac gggggcagtc 2340
tcattaatct gacttggaca gctcctgggg atgattatga ccatggaaca gctcacaagt 2400
atatcattcg aataagtaca agtattcttg atctcagaga caagttcaat gaatctcttc 2460
aagtgaatac tactgctctc atcccaaagg aagccaactc tgaggaagtc tttttgttta 2520
aaccagaaac cattactttt gaaaatggca cagatctttt cattgctatt caggctgttg 2580
ataaggtcga tctgaaatca gaaatatcca acattgcacg agtatctttg tttattcctc 2640
cacagactcc gccagagaca cctagtcctg atgaaacgtc tgctccttgt cctaatattc 2700
atatcaacag caccattcct ggcattcaca ttttaaaaat tatgtggaag tggataggag 2760
aactgcagct gtcaatagcc tagggctgaa tttttgtcag ataaataaaa taaatcattc 2820
atccttttt ttgattataa aaaaaaaaaa aaaaaaaaaa aaaaaaa 2867

<210> 342
<211> 2131
<212> DNA
<213> Homo sapiens

<400> 342
ggcacgagcg gaggaggagc gggcgccatg gcggttctac tggagaccac tttaggcgac 60
gtcgtcatcg acttgtacac cgaagaacgg ccgcgtgcct gcttgaattt cttgaaactg 120
tgcaaaataa aatattacaa ttattgcctt attcacaatg tacagaggga ttttatcata 180
caaactggcg atcctacagg gactggccgt ggaggagagt ctatctttgg ccaactgtat 240
ggtgatcaag caagcttttt tgaggcagaa aaagtcccaa gaattaagca caagaagaaa 300
ggcacagtgt ccatggtgaa taatggcagt gatcaacatg gatctcagtt tcttatcacc 360
acaggagaaa atctagatta tcttgatggt gtccatacgg tgtttggtga ggtgacagaa 420
ggcatggaca taattaagaa aattaatgag acctttgttg acaaggactt tgtaccatat 480
caggatatca ggataaatca tacggtgatt ttagatgatc catttgatga ccctyctgat 540
ttattaatcc ctgatcgatc accagaacct acaagggaac aattagatag tggtcgaata 600
ggagcagatg aagaaattga tgatttcaaa ggaagatcag ctgaggaagt agaagaaata 660
aaggcagaaa aagaggctaa aactcaggct atacttttgg agatggtggg agacctacct 720

gatgcagata ttaaacctcc agaaaatgta ctgtttgtgt gtaaattgaa cccagtgacc 780
acagatgagg atctggaaat aatattctct agatttgggc caataagaag ttgtgaagtt 840
atccgagact ggaagacagg agagtccctc tgttacgctt ttattgaatt tgaaaaggaa 900
gaagattgtg agaaagcatt cttcaaaatg gacaatgtgc ttatagatga cagaagaata 960
catgtggatt ttagccagtc ggttgcaaag gttaaatgga arggaaaagg tgggaaatac 1020
accaagagtg atttcaagga gtatgaaaaa gaacaggata aaccacctaa tttggttctg 1080
aaagataaag taaagcccaa acaggataca aaatacgatc ttatattaga tgagcaggcc 1140
gaagactcaa aatcaagtca ctcacacaca agtaaaaaac acaagaagaa aacccatcac 1200
tgttctgaag agaaagaaga tgaggactac atgccaatca aaaatactaa tcaggatatc 1260
tatagagaaa tggggtttgg tcactatgaa gaagaagaaa gctgttggga gaaacaaaag 1320
agtgaaaaga gagaccgaac tcagaaccga agtcgtagcc gatctcgaga gagggatggs 1380
cattatagta atagtcataa atcaaaatac caaacagatc tttatgaaag agaaaggagt 1440
aaaaagagag accgaagcag aagtccaaag aagtccaaag ataaagaaaa atctaagtat 1500
agatgaaaga tgaagaggca gaattgagag gctaacatat ttactcttgt ctaacttaag 1560
agtgccagga aagcagatgc ttagattttg tgtcaaagct tgttattttt ttcatactag 1620
gattatggtc tttagattaa tactgattat atagagcacg gaaagataaa gaattgaaca 1680
ttttctttgt atacttttt acactaattt tattgttata cataaatggt agtcttcatt 1740
tttgaagtct tacattttca ctctttttt aatgaagtat ttcatactac aaaaatacat 1800
aaacgtatat ataaagggat aataaatgta aatatctgtg tactcatcag ccagcttaag 1860
atacagatgt tgtcgacatt ttagaagttc cctaaggccc tctccctctc aaataattat 1920
ttggaatttt gtgtttgtca tttgtctatt atagttttac aacatacgta tgtatctgta 1980
agtgaaatgt taattttgta tgtttctgaa ttttatataa atggcaaaat gtttacttct 2040
gtgactttct ttcattttta ttgctatata gtattatata aatatactac aacttattca 2100
tycttgatgg acaaatttgg gttaatgggt t 2131

<210> 343
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<400> 343

caaaaaataa ataaataaaa ataaaagagt atactcctgg catgcttttt atctgagaag 60
atgtaaaaca gggaaaagaa cttcaggccg ttctctttgt ggctgagttt cattctgcct 120
gcgtggtgac agcagccttg agctctctgg gaattcacat cctgagcagt gtgctaggag 180
gatgcgaggg atgctggtga ctctgctgtg agtttgagct gcttctgcca aaaaactcac 240
gctcaggact cacaccttgt ctatattttg agttacatay aataaagatt ttttaaaaaa 300
tcacagattc agtgtgtatg aaattttcta ctcttcacca attctgatga aattcaattc 360
ttcaggaggt tgagttttct ggaacaagcc acctctcttc ccttggagtg tcccatcact 420
tattctagca ccttttcatt ttgttcgaga tgtttgctga agcggagcgg tgctgtgggg 480
ggttacgcgc acctttcatc atcagtacaa tagcaggacc atagtgggtt agancaacnc 540
acagaggcaa agaaancgn 559

<210> 344
<211> 2623
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2623)
<223> n equals a,t,g, or c

<400> 344
ttttttttt taaacgtaaa tttgctcttt tttaatgata agcaattcag atatttgggc 60
aagtggcatg accatggatt atttcactgg ttttcttcct cgtagccctt gctctccagc 120
tattgacatc agtgtggagt cagtaattct tttcttagaa gctgaagtta tcatttacag 180
taaatttggt tttagttctt tgtcatcctt atttacctga agctccttca ggaaaattac 240
tctgagctca gaattagctt agataactta taaataggtg tataacaggg atcagaaagc 300
cactctaggc ctgacatgct tgacaggctc tgacgcagga ggtgggagtt cctggccctt 360
ctaaacacag atgtgactat taggagcaaa aggtaccaag ggccctattt cccactggcg 420
aggcttctta ttcagccctc actcttcttt ctgttcacgt ttcctcttca gttctcagtg 480
ccacatcatt tggcatcaga gwtgaaaagg atctagggct ggttkttctc agaaccaaga 540
agctttnaaa accagyttgt ggtagccctt cttgagagca gctcagtctt ctcattggtt 600
caytctgacc aatcccagga tgcatagggr cccaggcaaa gcaggcccta gtaagtccct 660
tttttttttt tgaaagacag aggctgggcg ccatggstca tgcctgtaat cccagcactt 720
tgggaggcca agatggacgg atcacctaag gtcaggagtt cgagaccagc ctggccaaca 780
tggccaaacc tggtctctac taaagataca aaaattagcc ggggtggcac ggtgcagggc 840
ggtatggggw cgccatggct gagctgcagc agctccgggt gcaggaggcg gtggagtcca 900
tggtgaagag tctggaaaga gagaacatcc ggaagatgca gggtctcatg ttccggtgca 960
gcgccagctg ttgtgaggac agccaggcct ccatgaagca ggtgcaccag tgcatcgagc 1020
gctgccatgt gcctctggct caagcccagg ctttggtcac cagtgagctg gagaagttcc 1080
aggaccgcct ggcccggtgc accatgcatt gcaacgacaa agccaaagat tcaatagatg 1140
ctgggagtaa ggagcttcag gtgaagcagc agctggacag ttgtgtgacc aagtgtgtgg 1200
atgaccacat gcacctcatc ccaactatga ccaagaagat gaaggaggct ctcttatcaa 1260
ttggaaaata aaagtatttg ccagtggcca tcagggctga gggcaagaat atatttttta 1320
taaggaattg ggaatttag tcttttaagc aaagtttacg aatgaagaaa tgaaggatgg 1380
ccacaagcgt aaggcatatg tcacttgcct ctggacactg gttatttat gtttcagtcc 1440

ctaaaaaatg aaatggaaaa aagtggtgct aaatcgagtc agagatatta caggagagtt 1500
ttagagctta ttatttcctg tggccagtgc ttgtcctggc agtaaggcty tcccctgtaa 1560
caagccagag ccctccaagg taccagactc ttcttactac acaggtacta acaggctggc 1620
aggttagagt tggtggagtc tgaggagaga tattttctct ttgttgccaa catcctgttt 1680
accaaaagtg tcaccccacc atcttccata agctgtgaaa caaaatcaat gaggtcacta 1740
acttagaagg gaaagaaagt tttctgggtc tttgttttct tgatttgggg taatttatac 1800
aagggcatac aagttgattt taagatgtgg aactgggagg tagactagtt tggataagaa 1860
ctttgaaatg ttccttgtgg atccccattt ctggtcatca agatgtggat gtacatttct 1920
taaaattatt acatgctgca tctttcagcc tggagactgt gcagaaacat gagaggtgat 1980
gacacactaa ttatgggaag cagaattact ggctgatggc ccctgaggct gtgtgtaaca 2040
aaatgacagg acaatcttgc agtaacactt tccccttgaa gagaaggggg ttttgattgt 2100
gatatatact agtatctagg aatgaacagt aaaagaggag cagttggcta cttgattaca 2160
acagagtaaa tgaagtactg gatttgggaa aacctggttt tattagaaca tatggaatga 2220
aagcctacac ctagcattgc ctacttagcc ccctgaatta acagagccca attgagacaa 2280
acccctggca acaggaaatt caagggagaa aaagtaagca acttgggcta ggatgagctg 2340
actcccttag agcaaaggag agacagcccc cattaccaaa taccattttt gcctggggct 2400
tgtgcagctg gcagtgttcc tgccccagca tggcacctta ttgttttgat agcaacttcg 2460
ttgaattttc accaacttat tacttgaaat tataatatag cctgtccgtt tgctgtttcc 2520
aggctgtgat atattttcct agtggtttga ctttaaaaat aaataaggtt taattttctc 2580
cccaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa atn 2623

<210> 345
<211> 1843
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1405)
<223> n equals a,t,g, or c

<400> 345
ggcacgaggt ggccttgtgg caaacacaaa cgcgttctga tcttcccttc ctacatgaca 60
acagtgattg actacgtgaa gccctcggat ctcaagaagg acatgaacga gaccttcaag 120
gagaagtttc ctcacattaa gctgacactc agcaaaatta ggagtctgaa acgagagatg 180
cggaacttgc gcaggaggac tgtggccttg aggagcccac ggtggccatg gcctcgtcta 240
ctttgaaaag ctcgccctca aggggaaact caacaaacag aaccggaagc tgtgtgctgg 300
ggcatgtgtg ctgttagcag ccagcaaaat ttggaagtga cctcaaaaaa cacgagtcaa 360
gcatttaatt gacaaactgg aagagaagtt ccggctgaac aggcgagaac tgattgcctt 420
tgaattcccg gtgttagtgg ccttggaatt cgccctccac ttgcccgagc acgaagtcat 480
gccccactac agacggctgg tccagagttc ctagcactgg ccccgaggac agccaagggc 540
awtttcttct cagcttggtg gagcagcact tacttactac tggaaatgaa aaaaagtaga 600
actcagaata ccagactttt cttcctctcg acatagtttg gggagaagca gtactagaaa 660
ctttccaagg agtcttgggt gtgtagccaa gaggagccat gagctatgga ctcctcaagc 720
acgggaagag gaggtgtgtg ctgagaacag agaggccctg ccctctgtcc actagcgaga 780
atccctagct gccccagccc agtctttctc cccggcattc acaaactttg caagcgtggt 840
ccagggcctt ctccagatct gttccaactt ggagtgtgaa gggcttgagc atacggggga 900
agagagtctg cagaagttgg gggaaaactt ttaaaagata ccctcattgt gtcaaagagt 960
gtgccaatct atttttgtat cagcattgga agtgcacttt cccctggggc gtgtgggtgt 1020
gtgaatgtgc aagtgtctga gagatactgc atcagcccta gacccccaga gccagtcccg 1080
ccctttacag agcagccctt agcctggggc catgggtcag gctgaccttc aacaattatt 1140

tctagatgat ttctggataa gaattgctct ctcggtacca gacagtttga catcctccac 1200
ccttagaaaa tgactgacat tgttttgtta ctgctcctac ccaccaaggg gataaagaag 1260
gcgagttctg agtgttggat gagtcagtcg cgtggaagga cgtggagcgt ggcgctctgt 1320
aacttcctgc cgtctgccac cccgccacgt gtatttaacc ctcgcacttt ctccactgtg 1380
gagatggctg gggcggcgcc ccacnagtgt gtattcctgt cctctatgtt agagtgcatc 1440
agaagcacat ttactgtgct atctatatck ctatataaaa gtgttttata aaaacccaga 1500
ataggagcac gacgcatgat tggtgtttga ggcgtttgcc agctgggaca aactgcgttt 1560
ggagctgtgg ttaagctgac taaggaggcg gtggctcttt cttaacattc ccacgtgccc 1620
agggctgttc atgcaagatt ttaatggtga cttgtcctgg cttactggga cagtctgtat 1680
gaggcatgtc accacactgt cgcctcatag ctgcaagaga gaggcaccag ctgaagttcc 1740
cctgactgaa gagagcctgt ggccatgtaa aaagagaatt aaactcttgt tgctttttgt 1800
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1843

<210> 346
<211> 884
<212> DNA
<213> Homo sapiens

<400> 346
ggtgtgagcc actgtgccca gcagtttccc agaatatatt taaatgcaaa gttacatgag 60
gggaaaacat gtatgtttgc tcctgttgtt actgggtagg ttctgaacag cagaaaccca 120
tgtgcagggt gggctggtga aggcccctct ccgcaaggtg gtagcaggaa aaggtccttg 180
acttgatgaa tttggtctgc ctctgagcca ctggaggaag ctgttttgag ccagggtttt 240
ttggcctaaa gccagcattt cctcagtctc cctttgtggt tcgaaggata tggactattg 300
caatacattt cttccttcaa atcctgccac tgttttgttg gcccacaact aataggacct 360
caaaataagc catgctgctt tgcacacaca ctagccttct tttgtacttt tcattctgga 420
tgggcttggc caaaacaggc tcaggccaaa gacctcccaa gctgtatgta cttccagtat 480
cctgaaacag tgtttggtga cataatgcca agggtaaaca agcctgattt aggcactgct 540
ttatccaggg gcttcaccca tgaaattaat aaaacttatc tgagtcactt gaaacttggt 600
tcccagaaaa cacatttctg gtttataatc tccttttatg ctcacctgac attaattatc 660
tatccttgat gatgtgttta aactgagtag cagaaaacag aggccacact ttctgggaaa 720
ttttaaagga agaaaccatt tttaatgaga tgaaaatatt taacgaattt aaaaagctaa 780
tgacaatttt gagaaaaggt ttgggatgta tattgctatg taatttaata aactgatttt 840
atggatataa aaaaaaaaaa aaaaaaaacc tcggggtcgg gggt 884

<210> 347
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<400> 347

ggcacgaggc ggcatcctgc tccgtctgca ggttgtgctt ccggtgcgga ggtcagggac 60
aagatggtgc caccggtgca ggtctctccg ctcatcaagc tcggccgcta ctccgccctg 120
ttcctcggtg tggcctacgg agccacgcgc tacaattacc taaaacctcg ggcagaagag 180
gagaggagga tagcagcaga agagaagaag aagcaggatg aactgaaacg gattgccaga 240
gaattggcag aagatgacag catattaaag tgagtgaccc tgcgacccac tctttggacc 300
agcagcggat gaataaagct tcctgtgttg tgtgataaaa aaaaaaaaaa aaaaaacycn 360
gggggggggc ccggwaccca nttygcccaa a 391

<210> 348
<211> 2540
<212> DNA
<213> Homo sapiens

<400> 348
ggcaggcaac aggaggtcct gaactagcca gttcagtact tagtccccta ttgaataagg 60
acacaattga tttcttaaat tatactgtca atggtgatga acggcagctg tggatgtcat 120
tgggaggaac ttggatgaaa gccagagcag agtggccaaa agaacagttt attccaccat 180
atgttccacg attccgcaat ggctgggagc ccccaatgct gaacttatg ggagccacaa 240
tggaacaaga tctttatcaa ctggcagaat ctgtggcaaa tgtagcagaa catcagcgca 300
aacaggaaat aaaaagatta tccacagagc attccagtgt atcagagtat catccagccg 360
atggctatgc gttcagtagc aacatttaca caagaggatc ccacctggac caaggggaag 420
ctgctgttgc ttttaagcca acttctaatc gccatataga tagaaattat gaaccactca 480
aaacacaacc caagaaatat gccaaatcca agtatgactt tgtagcaagg aacaacagtg 540
agctctcggt tctaaaggat gatattttag agatacttga tgatcggaag caatggtgga 600
aagttcgaaa tgcaagtgga gactctggat ttgtgccaaa taacattttg gatattgtga 660
gacctccaga atctggattg gggcgtgctg atccacctta tactcatact atacagaaac 720
aaaggatgga gtatggccca agaccagctg atactccccc tgctccatca cctcctccaa 780
caccagctcc tgttcctgtt ccccttcccc cttccactcc agcacctgtt cctgtgtcaa 840
aggtcccagc aaatataaca cgtcaaaaca gcagctccag tgacagtggt ggcagtatcg 900
tgcgagacag ccagagacac aaacaacttc cggtggaccg aagaaatctc agatggagga 960
agtgcaagat gaactcatcc acagactgac cattggtcgg agtgccgctc agaagaaatt 1020
ccatgtgcca cggcagaacg tgccakttat caatatcact tacgactcca caccagagga 1080
tgtgaagacg tggttacagt caaagggatt caaccctgtg actgtcaata gtcttggagt 1140
attaaatggt gcacaacttt tctctctcaa taaggatgaa ctgaggacag tctgccctga 1200
aggggcgaga gtctatagcc aaatcactgt acaaaaagct gcattggagg atagcagtgg 1260
cagctccgag ttacaagaaa ttatgagaag acgacaggaa aaaatcagtg ctgccgctag 1320
tgattcagga gtggaatctt ttgatgaagg aagcagtcac taatttgttt gtttgtattt 1380
aaactccatt gtttttggca ttattccaac atgctttgtt ttaagaagcc ttgaagggaa 1440
tgtcagattc atttttcttg atgtaattta tcaccataaa aaaaaaaccc atgcaaacct 1500
gagtgagcac aggatttgct tctaggccca ttatttttat taaaactgaa aaaatttaaa 1560
ctgaattttt tgaccttgga aaatatttttt cttactttac caaggtgaag tttccttaat 1620
tagactaatt attttatccc catcccaggg tataaacagg aattgttttg atagtggtgg 1680
agttattcac tgcaacaaag caacaatgtt gtccatgatt caaaatctaa gcagtttcga 1740
ttttgcctgt gaatatggtg tctgtcattc agggcatagc tcactgtagg ctagcctctg 1800
cttacttaag tctcttctct gacatactca atggaagaat atttagattt atttaaagtt 1860
cttaatgcca acagtttaaa aaaaaattaa aacatttgaa tgaactgtaa agtacagcca 1920
taccttggac atgcaaatat aaatctatgg agcattctca agacagtttg tcatggctct 1980
gttgattgca actccttgta tagcttgtat tttgatttag tttatattct gcttattatg 2040
tatactgtgt tcttatatat gagaaagcac aaatgcgaaa gaggtcatgt cttctcaaaa 2100
tctagcaaag gaagtagtct gcattggtgt gcattacagt attttgctta atgaaagcct 2160
cagttctgaa tgttgatatg agtagttaaa aggaagtggg gccattttat gtgtttatct 2220

gtgtcaagta tttctggtaa taagaagcac ttaatttaca catattttaa tcctgtgaaa 2280
gattccacat agagaaaaga aagataccta accttcaaca aatgttattt ttggaaacac 2340
aatttttgtc attaaatgtt atattatttc acatatataa aacagatgtt atgtaagaat 2400
gttgtatatt ttaacataaa tcatttagag aaattatcta gattcattaa ttttcatagt 2460
gccttttttca catgagtcag ctggaaagtc tgcaataaac agtatttgct gtctgttaaa 2520
aaaaaaaaaa aaaaaaaaaa 2540

<210> 349
<211> 1926
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1879)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1885)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1891)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1892)
<223> n equals a,t,g, or c

<400> 349
gcgaggggggc gkggggagca gcgccgaggc cgccgcctcc gcctccgccg cctaggacta 60
gggggtgggg gacggacaag ccccgatgcc gggggganacg gaagagccga gacccccgga 120
gcagcaggac caggaagggg gagaggcggc caaggcggct ccggaggasc cscaacaacg 180
gccccctgag gcggtcgcgg cggcgcctgc agggaccact agcagccgcg tgctgagggg 240
aggtcgggac cgaggccggg ccgctgcggc gcgccgccgc ngcagctgtg tcccgccgga 300
gnaaggccga gtatccccgc cggcgnagga gcagccccag cgccaggcct cccgacgtcc 360
ccgggcagca gcccaggccg cgaagtcccc gtctccagtt cagggcaaga agagtccgcg 420
actcctatgc atagaaaaag taacaactga taaagatccc aaggaagaaa aagaggaaga 480
agacgattct gccctccctc aggaagtttc cattgctgca tctagaccta gccggggctg 540
gcgtagtagt aggacatctg tttctcgcca tcgtgataca gagaacaccc gaagctctcg 600
gtccaagacc ggttcattgc agctcatttg caagtcagaa ccaaatacag accaacttga 660
ttatgatgtt ggagaagagc atcagtctcc aggtggcatt agtagtgaag aggaagagga 720
ggaggaagaa gagatgttaa tcagtgaaga ggagatacca ttcaaagatg atccaagaga 780
tgagacctac aaaccccact tagaaaggga aaccccaaag ccacggagaa aatcagggaa 840
ggtaaaagaa gagaaggaga agaaggaaat taaagtggaa gtagaggtgg aggtgaaaga 900
agaggagaat gaaattagag aggatgagga acctccaagg aagagaggaa gaagacgaaa 960
agatgacaaa agtccacgtt tacccaaaag gagaaaaaag cctccaatcc agtatgtccg 1020
ttgtgagatg gaaggatgtg gaactgtcct tgcccatcct cgctatttgc agcaccacat 1080
taaataccag catttgctga agaagaaata tgtatgtccc catccctcct gtggacgact 1140
cttcaggctt cagaagcaac ttctgcgaca tgccaaacat catacagatc aaagggatta 1200
tatctgtgaa tattgtgctc gggccttcaa gagttcccac aatctggcag tgcaccggat 1260
gattcacact ggcgagaagc cattacaatg tgagatctgt ggatttactt gtcgacaaaa 1320
ggcatctctt aattggcaca tgaagaaaca tgatgcagac tccttctacc agttttcttg 1380
caatatctgt ggcaaaaaat ttgagaagaa ggacagcgta gtggcacaca aggcaaaaag 1440
ccaccctgag gtgctgattg cagaagctct ggctgccaat gcaggcgccc tcatcaccag 1500
cacagatatc ttgggcacta acccagagtc cctgacgcag ccttcagatg gtcagggtct 1560
tcctcttctt cctgagccct tgggaaactc aacctctgga gagtgcctac tgttagaagc 1620
tgaagggatg tcaaagtcat actgcagtgg gacggaacgg gtgagcctga tggctgatgg 1680
gaagatcttt gtgggaagcg gcagcagtgg aggcactgaa gggctggtta tgaactcaga 1740
tatactcggt gctaccacag aggttctgat tgaagattca gactctgccg gaccttagtg 1800
gacaggaaga cttggggcat gggacagctc agactttgta tttaaaagtt aaaaaggaca 1860
aaaaaaaaaa aaaggggcng gccgnttcta nnaggatcca agctttacgt accccgttgc 1920
aatgcc 1926

<210> 350
<211> 1233
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1222)
<223> n equals a,t,g, or c

<400> 350
tcctgcatgc acagttgcag ttagttattc caggtattat ttttgttttc agaaaaagaa 60
aactcagtag aagataatgg caagtccaga ctggggatat gatgacaaaa atggtcctga 120
acaatggagc aagctgtatc ccattgccaa tggaaataac cagtcccctg ttgatattaa 180
aaccagtgaa accaaacatg acacctctct gaaacctatt agtgtctcct acaacccagc 240

cacagccaaa gaaattatca atgtggggca ttccttccat gtaaattttg aggacaacga 300
taaccgatca gtgctgaaag gtggtccttt ctctgacagc tacaggctct ttcagttcca 360
ttttcactgg ggcagtacaa atgagcatgg ttcagaacat acagtggatg gagtcaaata 420
ttctgccgag cttcacgtag ctcactggaa ttctgcaaag tactccagcc ttgctgaagc 480
tgcctcaaag gctgatggtt tggcagttat tggtgttttg atgaaggttg gtgaggccaa 540
cccaaagctg cagaaagtac ttgatgccct ccaagcaatt aaaaccaagg gcaaacgagc 600
cccattcaca aattttgacc cctctactct ccttccttca tccctggatt tctggaccta 660
ccctggctct ctgactcatc ctcctcttta tgagagtgta acttggatca tctgtaagga 720
gagcatcagt gtcagctcag agcagctggc acaattccgc agccttctat caaatgttga 780
aggtgataac gctgtcccca tgcagcacaa caaccgccca acccaacctc tgaagggcag 840
aacagtgaga gcttcatttt gatgattctg agaagaaact tgtccttcct caagaacaca 900
gccctgcttc tgacataatc cagtaaaata ataattttta agaaataaat ttatttcaat 960
attagcaaga cagcatgcct tcaaatcaat ctgtaaaact aagaaactta aattttagtt 1020
cttactgctt aattcaaata ataattagta agctagcaaa tagtaatctg taagcataag 1080
cttatgctta aattcaagtt tagtttgagg aattctttaa aattacaact aagtgatttg 1140
tatgtctatt tttttcagtt tatttgaacc aataaaataa ttttatctct ttmaaaaaaa 1200
aaaaaaaaac cccgggggggg gncccggtcc cca 1233

<210> 351
<211> 2510
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2509)
<223> n equals a,t,g, or c

<400> 351
gcggacgcgt ggggaaggac agcagagctg acagtcacag cagccctgac aagagagttc 60
ctggagccca agctcttctc cacagaggac aagcaggcag cagagaccat ggggtcccct 120
tcagcctgtc catacagagt gtgcattccc tggcaggggc tcctgctcac agcctcgctt 180
ttaaccttct ggaacctgcc aaacagtgcc cagaccaata ttgatgtcgt gccgttcaat 240
gtcgcagaag ggaaggaggt ccttctagta gtccataatg agtcccagaa tctttatggc 300
tacaactggt acaaagggga aagggtgcat gccaactatc gaattatagg atatgtaaaa 360
aatataagtc aagaaaatgc cccagggccc gcacacaacg gtcgagagac aatatacccc 420
aatggaaccc tgctgatcca gaacgtcacc cacaatgacg caggawtcta taccctacac 480
gttataaaag aaaatcttgt gaatgaagaa gtaaccagac aattctacgt attctcggag 540
ccacccaagc cctycatyac cagcaacaac ttcaatccgg tggagaacaa agatattgtg 600
gttttaacct gtcaacctga gactcagaac acaacctacc tgtggtgggt aaacaatcag 660
agcctcctgg tcagtcccag gctgctgctc tccactgaca acaggaccct cgttctactc 720
agcgccacaa agaatgacat aggaccctat gaatgtgaaa tacagaaccc agtgggtgcc 780
agccgcagtg acccagtcac cctgaatgtc cgctatgagt cagtacaagc aagttcacct 840
gacctctcag ctgggaccgc tgtcagcatc atgattggag tactggctgg gatggctctg 900
atatagcagc cttggtgtag tttctgcatt tcgggaagag tgactggact ggattcttct 960
agctccttca atcccatttt ctcctgtggc atcactaagt ataagacctg ctctcttcct 1020

gaagacctat aagctggagg tggacaactc aatgtaaatt tcaaggaaaa accctcatgc 1080
ctgagatgtg ggccactcag agctaaccaa aatgttcaac accataacta gagacactca 1140
aattgccaac caggacaaga agttgatgac ttcatgctgt ggacagtttt tcccaagatg 1200
tcccaagcct catcgtgacg aggctcttat cccactccat ttttccctgc tcatgcctgc 1260
ctctttaatt tggtaagata atgctgtaac tagaatttca caatcagcgc cttgtgcagg 1320
taatttgaca gagtgttgga tgtgtcatgt catcatgtca aacccaaata tttgacctaa 1380
gggatccttt attctgccca gtggctaact ttaacaacat ccctaataca actgtttatt 1440
caaatgcacg gtggtccctg ttagagttag acctctagac tcacctgttc tcacgccctg 1500
ttttaattta acccagctat gggatgccag ataacagaat tgctgcctac tagctgaaca 1560
gggaggagtt tgtgcagttg ctgacacttc ttgttgcaca taaataaata cagtgggtac 1620
tatagagact cagttgcaaa aattaacaaa tatgctgctt gattaaaatg ggtaggcttc 1680
tcatgtggct cattctttaa tctattctct tttatttggt ttggttcatg gggtctctgc 1740
ctatggatca tacttcaaac tcttggtgtg atcctcctga ttgtcacaat attagttacc 1800
ctggtgtgct gtattctcta aaacctttaa atgtttgcat gcagccattc gtcaaatgtc 1860
aaatattctc tctttggctg gaatgacaaa aactcaaata aatgtatgat taggaggaca 1920
tcataaccta tgaatgatgg aagtccaaaa tgatggtaac tgacagtagt gttaatgcct 1980
tatgtttagt caaactctca tttaggtgac agcctggtga ctccagaatg gagccagtca 2040
tgctaaatgc catatactca cactgaaaca tgaggaagca ggtagatccc agaacagaca 2100
aaatttтcct aaaaacatga gagtccaggc tgtctgagtc agcacagtaa gaaagtcctt 2160
tctgctttaa ctcttagaaa aaagtaatat gaagtattct gaaattaacc aatcagttta 2220
tttaaatcaa tttatttata ttcttctgtt cctggattcc cattttacaa aacccactgt 2280
tctactgttg tattgcccag taggagctat cactatattt tgcagaatgg aaactgccct 2340
gactcatgaa tcacaaataa aagccaattg tatctataaa aaaaaaaaaa aaaaaaaaaa 2400
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2460
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aangggggnc 2510

<210> 352
<211> 2765
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2758)
<223> n equals a,t,g, or c

<400> 352
gcggacgcaa cagcggggtc ccgcgctgtc tgggcggccc caggggctgt cggctcactt 60
ccgggaacgc cggggaaccg cagtagccgc ctgctagtgg cgctgctagc cggccggcgc 120
aggctgccga gcgggtgagc gcgcaggcca ggccaaagcc ctggtacccg cgcggtgcgg 180
gcctcagtct gcggccatgg gggcgtccgc gcggctgctg cgagcggtga tcatgggggc 240
cccgggctcg ggcaagggca ccgtgtcgtc gcgcatcact acacacttcg agctgaagca 300
cctctccagc ggggacctgc tccgggacaa catgctgcgg ggcacagaaa ttggcgtgtt 360
agccaaggct ttcattgacc aagggaaact catcccagat gatgtcatga ctcggctggc 420
ccttcatgag ctgaaaaatc tcacccagta tagctggctg ttggatggtt ttccaaggac 480
acttccacag gcagaagccc tagatagagc ttatcagatc gacacagtga ttaacctgaa 540
tgtgcccttt gaggtcatta aacaacgcct tactgctcgc tggattcatc ccgccagtgg 600
ccgagtctat aacattgaat tcaaccctcc caaaactgtg ggcattgatg acctgactgg 660
ggagcctctc attcagcgtg aggatgataa accagagacg gttatcaaga gactaaaggc 720
ttatgaagac caaacaaagc cagtcctgga atattaccag aaaaaagggg tgctggaaac 780
attctccgga acagaaacca acaagatttg gccctatgta tatgctttcc tacaaactaa 840

agttccacaa agaagccaga aagcttcagt tactccatga ggagaaatgt gtgtaactat 900
taatagtaag atgggcaaac ctcctagtcc ttgcatttag aagctgcttt tcctaagact 960
tctagtatgt atgaattctt tgaaaattat attactttta tttctactga ttttattttg 1020
gatactaagg atgtgccaaa tgattcggat actaagatgc atcgtttgaa atcatctagt 1080
gtgttgtatg cagttatcct caaaaacatc agcgatgtct gaacctttaa aacatctgtt 1140
agagcaaaat taaaagagca tttggtagta atctaacttt ttgttcagtt aataagtggt 1200
tgataaagtt tccatatttt tctggaaaag ttaaaaaaag ttacatgtca tttggagaaa 1260
atacgtaatc agaaatttgt gcatagattg atgccaaaaa agacatttcc agcattgtgg 1320
aacatggtga gacactatat aaaattccag aaagaaagca actggattta cagatttatt 1380
gtgagacaca aattcactgc tgcctttaca ctaagaaatg tatatgttaa ccatatatgc 1440
tgtatttatt ttgtcgttaa gcatactttc agtttactca gaattttcaa tttgctataa 1500
agatgtatca attagcatat agaaaaatat tactttaaga tgacttgttt cctttgaaaa 1560
tacctgtgta ctgagggtta tgatttgtgt caaaaattga cataagtgct tttacaagca 1620
ccaaagttga atgaattttc aacaaaatgt aattaaagtc tatgttttca gttatgactc 1680
aggttaagaa atgtgtttta ggatctactt gctggttttt ctttttgatc caaatgtgtg 1740
atctgccctg ataaataaca agttatagta ccatctcccc cgccaataaa aaagagaaga 1800
aaaaagagaa acccgtggca ctatgtaaat aaagtaagca tactttgttg ttagtaaata 1860
gatgaggcat gcctgggaaa tgctcccttg gcataaatag caatcaatta taattagtaa 1920
acaggtgtac caataaaaag aatttacatg ataggttaac aaggaccagg aaagtgagtt 1980
tcctgaagga gttctttgtt cctgatcaaa gaaattgata cctgttagca ttcactgcca 2040
ccatatttta aggagaaaga actctattgg tgtcgtctga gcagccattt aaaaattgga 2100
atctaaagga tggttgctga tgtactgtgt ggtctggtag aagtggggaa atatgagaga 2160
tggaggaaaa acttgattat gtcttccatg gcatatttac tcttacttta cttcgtgcca 2220
aatcaaatga aacaagccgt cttacaagtc gttattgcct ttaaaaatct gttccgtttt 2280
tttcccaggt acttaaaata caagtgccag taagtggttc ttatgtgttt tgggggggaaa 2340
attttatttc ccttttcttc tgatatttaa aaaattcatc gatctttcaa gatgaaccaa 2400
ggtttttta aagaawtata ggaaacactt cattctttat aaaactttct ataatgcctt 2460
atttgaatgt taatcttatg tgctttctaa aaaatgttgt gaaataccaa acttatggat 2520
tatcactagg ttatcaagca tatattagtc tttatcagaa taaaatgaaa tttcataact 2580
gtggctatta ctttgttctt ggtccttcac agggcctgct ccatcccacc ttccttttctg 2640
ctgcctgatg tctcaatggc ttctgaatga ctgttctaat aaatgatctt aaaacagaaa 2700
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaanaa 2760
agaga 2765

<210> 353
<211> 1755
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 353
ggcttccggt cccctgagac tggggcctcg ctcgctcccg acccggttgc aagtgttgcg 60

gtgggagaaa gtcgcgtccg catcggaggg gaagcgccgt catgcctaag tattatgagg 120
acaagccgca ggcngcgcgn tgcgcgggcc tgaaggagga cctgggcgcg tgtctgctgc 180
agtcggactg tgtggtccag gaaggaaaat cacctcggca gtgtttgaag gaaggatact 240
gcaactcttt gaagtacgca ttttttgagt gtaaaagatc agtgttggat aacagggcaa 300
gattcagagg aagaaaagga tattgatgca ttatgttgaa gccaacatgg aaaacaacaa 360
atattttccc tggtcattaa cacaaagaag ccaaaacagg aaacatactt tttactacat 420
ctgtttggtt ggaccagatt tcccctccgt ggaacactga agaaagtgga tgagttgttt 480
tcgaatatgt ataaagtaaa tgattctctt gatccaagtt atttttagaa gaaaaaccta 540
attgaacagg tatgggttgg gagcataata aatgtgtttt gagaattgtt ctaaagcaca 600
gaaaatggaa agactgttat ttgcaaactt gactcttcaa ttgrattacc caattagtac 660
aggccactga tttgactgac acagtcgata acatgcagcc tatccagaag gtgtctgttg 720
ggaaagttta ggataaaact ttttctttag ttcagtcttt tcctgtctag ttctaaaatg 780
aattgtgttt gattccttag agaagaaata cttcatttgt gctctgattc actgaagtaa 840
taacctcagc actttaatag cgtccacagg catagctgat gctaggcccc agattgtgtt 900
gcccaggctc tttaccatca tcttcggact gtttttgttt cctggttaca ttttcagtct 960
ggcccgctct acataatggg ccagtgtcag ctccaagtcc acatccttat tatccatgat 1020
tcaaaaggga gagagagaac ttccttttte agggtccaca aatcaaatct ataaaaggac 1080
tctggtcttc ccaggatcac ctgcccttgc attggaccag tccctgtgga agaggggatg 1140
ggggcctgtg atcttggcca ggcctgggct atctatctgc actgtcattg ctaactcctg 1200
tcagaatcac atggatgagt agtgggctga atcccaaaag gaaaggggtt tagagcaagt 1260
ggaaacaaca gatgttcact atagaaagca agaatgaaaa ccatgaagtg gttgaagatt 1320
agccttacag taattttatt ctgatcactt aatacagtag agtcaaacag gaatccaagt 1380
ttccaacttt attatttttg gcactgaaga attacaaaga actctagcgt ctttatacct 1440
ccgtggttca ctggagttaa agcaatcggg gcgttgtaca gctcacttga gtttttaaag 1500
gttctactaa aaagtgagaa ttccacagca atatgggtca ttgttgcaga atatcacaaa 1560
ggtctgttgt gtatactcct tttcaccagg aaagggacaa taatagtttt tttcaatgta 1620
tatatatata agtgatctaa ctttttatta ataaaagtaa acaactctaa aatgtatatt 1680
ataaagccct gtcatctttg ttgagtaata gctttattga gctttatttg gagaaataca 1740
cataccgtaa aattc 1755

<210> 354
<211> 1959
<212> DNA
<213> Homo sapiens

<400> 354
gcaggccagc cccatgggga agcgcagacg ccggmgcctg ggcgctctga gattgtcact 60
gctgttccaa gggcacacgc agagggattt ggaattcctg gagagttgcc tttgtgagaa 120
gctggaaata tttctttcaa ttccatctct tagttttcca taggaacatc aagaaatcat 180
gaacaacttt ggtaatgaag agtttgactg ccacttcctc gatgaaggtt ttactgccaa 240
ggacattctg gaccagaaaa ttaatgaagt ttcttcttct gatgataagg atgccttcta 300
tgtggcagac ctgggagaca ttctaaagaa acatctgagg tggttaaaag ctctccctcg 360
tgtcaccccc ttttatgcag tcaaatgtaa tgatagcaaa gccatcgtga agacccttgc 420
tgctaccggg acaggatttg actgtgctag caagactgaa atacagttgg tgcagagtct 480
gggggtgcct ccagagagga ttatctatgc aaatccttgt aaacaagtat ctcaaattaa 540
gtatgctgct aataatggag tccagatgat gacttttgat agtgaagttg agttgatgaa 600
agttgccaga gcacatccca aagcaaagtt ggttttgcgg attgccactg atgattccaa 660
agcagtctgt cgtctcagtg tgaaattcgg tgccacgctc agaaccagca ggctcctttt 720
ggaacgggcg aaagagctaa atatcgatgt tgttggtgtc agcttccatg taggaagcgg 780
ctgtaccgat cctgagacct tcgtgcaggc aatctctgat gcccgctgtg tttttgacat 840
gggggctgag gttggtttca gcatgtatct gcttgatatt ggcggtggct ttcctggatc 900

tgaggatgtg aaacttaaat ttgaagagat caccggcgta atcaacccag cgttggacaa 960
atactttccg tcagactctg gagtgagaat catagctgag cccggcagat actatgttgc 1020
atcagctttc acgcttgcag ttaatatcat tgccaagaaa attgtattaa aggaacagac 1080
gggctctgat gacgaagatg agtcgagtga gcagaccttt atgtattatg tgaatgatgg 1140
cgtctatgga tcatttaatt gcatactcta tgaccacgca catgtaaagc cccttctgca 1200
aaagagacct aaaccagatg agaagtatta ttcatccagc atatggggac caacatgtga 1260
tggcctcgat cggattgttg agcgctgtga cctgcctgaa atgcatgtgg gtgattggat 1320
gctctttgaa aacatgggcg cttacactgt tgctgctgcc tctacgttca atggcttcca 1380
gaggccgacg atctactatg tgatgtcagg gcctgcgtgg caactcatgc agcaattcca 1440
gaaccccgac ttcccacccg aagtagagga acaggatgcc agcaccctgc ctgtgtcttg 1500
tgcctgggag agtgggatga aacgccacag agcagcctgt gcttcggcta gtattaatgt 1560
gtagatagca ctctggtagc tgttaactgc aagtttagct tgaattaagg gatttggggg 1620
gaccatgtaa cttaattact gctagttttg aaatgtcttt gtaagagtag ggtcgccatg 1680
atgcagccat atggaagact aggatatggg tcacacttat ctgtgttcct atggaaacta 1740
tttgaatatt tgttttatat ggatttttat tcactcttca gacacgctac tcaagagtgc 1800
ccctcagctg ctgaacaagc atttgtagct tgtacaatgg cagaatgggc caaaagctta 1860
gtgttgtgac ctgtttttaa aataaagtat cttgaaataa ttaaaaaaaa aaaaaggggg 1920
gccgccctag gggttcccaa gtttacgtac gctgcatgg 1959

<210> 355
<211> 1067
<212> DNA
<213> Homo sapiens

<400> 355
aattcggcac gaggtcactg ctggctgagg ctgcgctcag gcccgtggat ctcatcgaag 60
atggcggcgc gatctgtgtc gggcattacc agaagagtct tcatgtggac agtctcaggg 120
acaccatgta gagaattttg gtctcgattc agaaaagaga aagagccagt ggttgttgag 180
acagtagaag agaaaaagga acctatccta gtgtgtccac ctttacgaag ccgagcatac 240
acaccacctg aagatctcca gagtcgtttg gaatcttacg ttaaagaagt ttttggttca 300
tctcttccta gtaattggca agacatctcc ctggaagata gtcgtctaaa gttcaatctt 360
ctggctcatt tagctgatga cttgggtcat gtagtcccta actccagact ccaccagatg 420
tgcagggtta gagatgttct tgatttctat aatgtcccta ttcaagatag atctaaattt 480
gatgaactca gtgccagtaa tctgcccccc aatttgaaaa tcacttggag ttactaagca 540
attcggaaga gaaacacatt gaaatcactg tctttccctg agcaaggggg ctgctcatta 600
gatcttttga tactttacca tgtgaaatac taccagaact gttctctaaa cccacttttt 660
ctgtagagga atgtatcatc ttttttttte tcatattaca aatggacaaa taacggactt 720
tctattttca tatttgctga aaccattttt taaatgaaat taggtcatta tttatgaaaa 780
gttttgagag ggcactgtca acttgggttt aagacaggag gacattgcaa gttcacacct 840
ttcataagca taaagtagtt gcaagaaagt attttcatcc tgttaggatt catatctaag 900
atagagttat gcattgcaca tacacaaata aacttttatt agatagatac ctataaaaga 960
aacataaaag tatgttgtgt attactgaca gttctagatt aatttctttt agaattaaag 1020
tagatttgtt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1067

<210> 356
<211> 1023
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (996)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (998)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1003)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1016)
<223> n equals a,t,g, or c

<400> 356
cctagtgcgt agcgcccggc tcctgcaggc gctcggcctc cgctcattcc tgaccccgca 60
gtgggcgcga tggcggaggc tgtactgagg gtcgcccggc ggcagctgag ccagcgcggc 120
gggtctggag cccccatcct cctgcggcag atgttcgagc ctgtgagctg caccttcacg 180
tacctgctgg gtgacagaga gtcccgggag gccgttctga tcgacccagt cctggaaaca 240
gcgcctcggg atgcccagct gatcaaggag ctggggctgc ggctgctcta tgctgtgaat 300
acccactgcc acgcggacca cattacaggc tcggggctgc tccgttccct cctccctggc 360
tgccagtctg tcatctcccg ccttagtggg gcccaggctg acttacacat tgaggatgga 420
gactccatcc gcttcgggcg cttcgcgttg gagaccaggg ccagccctgg ccacacccca 480
ggctgtgtca ccttcgtcct gaatgaccac agcatggcct tcactggaga tgccctgttg 540
atccgtgggt gtgggcggac agacttccag caaggctgtg ccaagacctt gtaccactcg 600
gtccatgaaa agatcttcac acttccagga gactgtctga tctaccctgc tcacgattac 660
catgggttca cagtgtccac cgtggaggag gagaggactc tgaaccctcg gctcaccctc 720
agctgtgagg agtttgtcaa aatcatgggc aacctgaact tgcctaaacc tcagcagata 780
gactttgctg ttccagccaa catgcgctgt ggggtgcaga cacccactgc ctgatctcac 840
ttctgtcaga tgctcccatc cactattaat gcactaggtg ggaggagagg gcggcaatga 900
cactgcacct ctcctttccc accgcattcc ctggagctcc ctaaataaaa ctttttttaa 960
cgtgaaaaaa aaaaaaaaaa aaaggggggg ccgctnangg ggntcaaatt ttaggnacgg 1020
ggg 1023

<210> 357
<211> 1953
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1686)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1821)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1920)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1927)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1935)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1948)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1951)
<223> n equals a,t,g, or c

<400> 357
gtcacgagcg agggggtgcg tgtgaggtca tcgcgcgggc gggcntncgg ggtctggcgg 60
tttgaacgag acgaagacgg aaccggagcc ggttgcgggc agtggacgcg gttctgccga 120
gagccgaaga tggcagtgaa cgtatactca acgtcagtga ccagtgataa cctaagtcga 180
catgacatgc tggcctggat caatgagtct ctgcagttga atctgacaaa gatcgaacag 240
ttgtgctcag gggctgcgta ttgtcagttt atggacatgc tgttccctgg ctccattgcc 300
ttgaagaaag tgaaattcca agctaagcta gaacacgagt acatccagaa cttcaaaata 360
ctacaagcag gttttaagag aatgggtgtt gacaaaataa ttcctgtgga caaattagta 420
aaaggaaagt ttcaggacaa ttttgaattc gttcagtggt tcaagaagtt tttcgatgca 480
aactatgatg gaaaagacta tgaccctgtg gctgccagac aaggtcaaga aactgcagtg 540
gctccttccc ttgttgctcc agctctgaat aaaccgaaga aacctctcac ttctagcagt 600
gcagctcccc agaggcccat ctcaacacag agaaccgctg cggctcctaa ggctggccct 660
ggtgtggtgc gaaagaaccc tggtgtgggc aacggagacg acgaggcagc tgagttgatg 720
cagcaggtca acgtattgaa acttactgtt gaagacttgg agaaagagag ggatttctac 780

ttcggaaagc tacggaacat tgaattgatt tgccaggaga acgaggggga aaacgaccct 840
gtattgcaga ggattgtaga cattctgtat gccacagatg aaggctttgt gatacctgat 900
gaaggggccc cacaggagga gcaagaagag tattaacagc ctggaccagc agagcaacat 960
cggaattctt cactccaaat catgtgctta actgtaaaat actccctttt gttatcctta 1020
gaggactcac tggtttcttt tcataagcaa aaagtacctc ttcttaaagt gcactttgca 1080
gacgtttcac tccttttcca ataagtttga gttaggagct tttaccttgt agcagagcag 1140
tattaacayc tagttggttc acctggaaaa cagagaggct gaccgtgggg ctcaccatgc 1200
ggatgcgggt cacactgaat gctggagaga tgttatgtaa tatgctgagg tggcgacctc 1260
agtggagaaa tgtaaagact gaattgaatt ttaagctaat gtgaaatcag agaatgttgt 1320
aataagtaaa tgccttaaga gtatttaaaa tatgcttcca catttcaaaa tataaaatgt 1380
aacatgacaa gagattttgc gtttgacatt gtgtctggga aggaagggcc agaccttgga 1440
acctttggaa cctgctgtca acaggtctta cagggctgct tgaaccctca taggcctagg 1500
ctttggtcta aaaggaacat ttaaaaagtt gccctgtaaa gttatttggt gtcattgacc 1560
aattgcatcc cagctaaaaa gcaagaggca tcgttgcctg gataatagag gatgtgtttc 1620
agccctgaga tgttacagtt gaagagcttg gttttcattg rgcatttcyc yattttycca 1680
gttatncccg aaatttctat gtattatatt ttttggggaa gtgaggtgtg cccagttttt 1740
taatctaaca actacttttg gggacttgcc cacatytctg ggatttgaat ggggattgta 1800
tcccatttta ctggctttta nggttacatt taccaccttt tctcttctct gctcccttgc 1860
ccactggggg actcctcttt tggcctcctt ggaagtttgc tgcttaaaag ttggaaagtn 1920
ccaccangcc aggtngattc catgcctngc naa 1953

<210> 358
<211> 2026
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (701)
<223> n equals a,t,g, or c

<400> 358
ccctcctctt ccttcctctt tatagggaga cactctgaga aagagcacat tgtgggggcc 60
cactccatgt gatgtttgct tggttgcctg ttccctttтc tacctgcaga gcacggttcc 120
cataagggcg gcgagatcag cctcctgtct catctggaag accaccactc tggggtctca 180
gaggaatgat ggaagccttg gggtttctaa aattggaagt gaatggcccc atggtgacgg 240
tggccctgtc agtggctctc ttggccctcc tgaaatggta ctccacatca gcattctcaa 300
gactggagaa gttaggcctc agacatccca agccttctcc tttcattgga aacttgacat 360
ttttccgcca gggtttttgg gaaagccaaa tggagctcag aaagctgtat ggacctctgt 420
gtgggtacta tcttggtcgt cggatgttta ttgttatttc tgagccagac atgatcaagc 480
aggtgttggt tgagaacttc agtaacttta ccaacagaat ggcgtcgggt ttggagttca 540
agtcggtagc cgacagcgtt ctgtttttac gtgacaaaag atgggaagag gtcagaggtg 600
ccctgatgtc tgctttcagt cctgaaaagc tgaacgagat ggttcccctc atcagccaag 660
cctgcgacct tctcctggct catttaaaac gctatgcgga natctgggga cgcatttgac 720
atccagaggt gctactgcaa ttacaccaca gatgtggttg ccagcgtcgc ctttggcacc 780
ccggtggact cctggcaggc ccctgaggat ccctttgtga aacactgcaa gcgtttcttc 840
gaattctgca tccccagacc tatcctggtt ttactcttat catttccatc cataatggtc 900
ccactggccc ggattttgcc caataagaac cgagacgaac tgaatggctt ttttaacaaa 960
ctcattagga atgtgattgc cttgcgggac cagcaagctg ccgaagagag gcggagagac 1020
ttcctccaaa tggtcctgga tgcccgacat tctgcaagtc ccatgggcgt gcaagacttt 1080
gacatcgtca gagacgtttt ctcctctact gggtgcaagc cgaacccttc ccggcaacac 1140

cagcccagcc ctatggccag gcctttgact gtggatgaga ttgtgggcca ggccttcatc 1200
ttcctcatcg ctggctatga aatcatcacc aacacacttt cttttgccac ctacctactg 1260
gccaccaacc ctgactgcca agagaagctt ctgagagagg tagacgtttt taaggagaaa 1320
cacatggccc ctgagttctg cagcctcgag gaaggcctgc cctatctgga catggtgatt 1380
gcagagacgc tgaggatgta cccgccagct ttcagattca cacgggaggc agctcaggac 1440
tgcgaggtgc tggggcagcg catccccgca ggcgctgtgc tagagatggc cgtgggtgcc 1500
ctgcaccatg accctgagca ctggccaagc ccggagacct tcaaccctga aaggttcacg 1560
gctgaggccc ggcagcagca ccggcccttc acgtacctgc ccttcggggc cggcccacgg 1620
agctgcctcg gggtgcgtct agggctgctt gaggtcaagt tgacactgct ccacgtgctg 1680
cacaagttcc ggttccaagc ctgccctgag acccaggtac cgctgcagct agaatccaaa 1740
tctgccctag gtccaaaaaa tggtgtctat atcaagatcg tatcccgctg acacagaagg 1800
ctgccgggtg gggggagggc acccccaaat tcaaagaaaa ccctaagtgt ggatgttcag 1860
aatttttggaa aaatgtcact gaagtgattg aaagagtgcc tggcatgcaa ggataagagg 1920
ttctttacat aacatttcct aaatgcttaa taaacgtttg ttgcacttgg ttttgacatt 1980
gccaaaaaaa aaaataagaa gaaaatgaaa aaagttttgc gtcgac 2026

<210> 359
<211> 1799
<212> DNA
<213> Homo sapiens

<400> 359
ggttgtttgt cagtctcggc ggcggcggcg gcggyggcgg cggcggcgat ccacagtgat 60
tcggccgccg cgccgggggg tgggggggct gcgcgggact ttttttttt tcagactgac 120
cgcggggcag ctgcggagca tgtcgacccc ggcccggagg aggctcatgc gggatttcaa 180
gcggttacaa gaggacccac ctgtgggtgt cagtggcgca ccatctgaaa acaacatcat 240
gcagtggaat gcagttatat ttggaccaga agggacacct tttgaagatg gtacttttaa 300
actagtaata gaattttctg aagaatatcc aaataaacca ccaactgtta ggtttttatc 360
caaaatgttt catccaaatg tgtatgctga tggtagcata tgtttagata tccttcagaa 420
tcgatggagt ccaacatatg atgtatcttc tatcttaaca tcaattcagt ctctgctgga 480
tgaaccgaat cctaacagtc cagccaatag ccaggcagca cagctttatc aggaaaacaa 540
acgagaatat gagaaaagag tttcggccat tgttgaacaa agctggaatg attcataata 600
gacaactggt ctgttaatct ttttcatcat tgttgtgtat aatttacctc tcattagaaa 660
ggctaacaaa ttttaagtgc cacaggtttt aaggattctg cagaaaaaaa agaaaaaagt 720
ccttcagttt agaacctaca aaagcttgtg tatcttgatt aatgtacttt ttattgcatg 780
gtgtgaacta agttattgct gcataaattt gtaatatatc ctgtttgtat ttttttccaa 840
gtgtataatg ttggtgtgga gttttcatga cagaatatac acattttgta aatctgtact 900
tttttcaaat attgaatgcc ttatttttga attctttaga tttttaaatt ggagaaaagc 960
acttaaagtt ttttatatat gaatattaca tgtaaagctg ttaaaataca taacttcagt 1020
gcaagagact ttgtcactta tttccttatg tgtgtaggag gggttaataa gtctctagct 1080
ctccatctat tgatagtttc atttacaatt tcaaaagaac attcttatat tttatcaagg 1140
aagtcttcaa atttgattct aaatagcgat tataatctcc aactttattt tgaatgtacc 1200
tctattagtt tcaattgagt aattctagac ataactggtt tgactctgtc caactctgta 1260
tttaggccat ttgttacagt ttcttcatgc attacttact gttaaaactg taccttttgc 1320
gatttcacag ttggcacttc tgccatgagc agagaactga tgcgacttgt tttgctgctt 1380
ggtagcactt taaaaaattt tttgattaat gaagaaagta aaaccataaa catttgccaa 1440
aaattcatgc cccagtatta gcaatgaatt agttgcattg gtttgagaaa ggcacatatt 1500
ggagggaaat cttggtgtaa cttaaatatt tgaaaattac ctttaatgca atgcatatct 1560
gtttattctg ggaaatgttt taatgccagg gcctgctgag ttgcttcttc ttgtggagat 1620
ttttttttta atctcctgag ttgtataaaa gttgtactgc atcttagttt actggataaa 1680
tttaaaacac agtattgtag aaagctaata caaaactatc ctatgccttc aaatagtata 1740

gaaaatggaa aatatacaag taaattctgt tgaaccaaaa aaaaaaaaaa aaaaaaaaa 1799

<210> 360
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 360
ggtccagaag cctccccgac cccccaagct atttgctcac attaacaaat taaagtgcct 60
gaagcataat tyatttttgt atctgtggta acaaaacatt aaccaaaaga ttttctgtcc 120
cagaagcctc cccgaccccc caagctattt gctcacatta acaaattaaa gtgcctgaag 180
cataattcat tctttacctg tatactaaaa accctgttgt attgattttt ttataataag 240
ccttttttacc tctgtgtaaa aaatatatat acaagtgtat gatgtacatt ttagttctta 300
actttttttt atggtttcta atatgtatga ccaatgtagc cattgcttta aaatgtaccg 360
tgtaaatata aacacatcct atgcaraaaa aaaaaaaaaa aagggcggcc gctctanagg 420
atccaagctt acgtacgcgt gcatgcgacg tcatagctct tctatagtgt cacctaaatt 480
caattcactg gccgtcgttt tacaacgtcg 510

<210> 361
<211> 1087
<212> DNA
<213> Homo sapiens

<400> 361
ccaaagtgct gggattgtgg gcatgagctg ctgtgcccag cctccatgtt ttaatatcaa 60
ctctcactcc tgaattcagt tgctttgccc aagataggag ttctctgatg cagaaattat 120
tgggctcttt tagggtaaga agtttgtgtc tttgtctggc cacatcttga ctaggtattg 180
tctactctga agacctttaa tggcttccct ctttcatctc ctgagtatgt aacttgcaat 240
gggcagctat ccagtgactt gttctgagta agtgtgttca ttaatgttta tttagctctg 300
aagcaagagt gatatactcc aggacttaga atagtgccta aagtgctgca gccaaagaca 360
gagcggaact atgaaaagtg ggcttggaga tggcaggaga gcttgtcatt gagcctggca 420
atttagcaaa ctgatgctga ggatgattga ggtgggtcta cctcatctct gaaaattctg 480
gaaggaatgg aggagtctca acatgtgttt ctgacacaag atccgtggtt tgtactcaaa 540
gcccagaatc cccaagtgcc tgcttttgat gatgtctaca gaaaatgctg gctgagctga 600
acacatttgc ccaattccag gtgtgcacag aaaaccgaga atattcaaaa ttccaaattt 660
ttttcttagg agcaagaaga aaatgtggcc ctaaaggggg ttagttgagg ggtagggggt 720
agtgaggatc ttgatttgga tctcttttta tttaaatgtg aatttcaact tttgacaatc 780
aaagaaaaga cttttgttga aatagcttta ctgtttctca agtgttttgg agaaaaaaat 840
caaccctgca atcacttttt ggaattgtct tgatttttcg gcagttcaag ctatatcgaa 900
tatagttctg tgtagagaat gtcactgtag ttttgagtgt atacatgtgt gggtgctgat 960
aattgtgtat tttctttggg ggtggaaaag gaaaacaatt caagctgaga aaagtattct 1020
caaagatgca tttttataaa ttttattaaa caattttgtt aaaccaaaaa aaaaaaaaaa 1080
aaaaaaa 1087

<210> 362
<211> 2273

<212> DNA
<213> Homo sapiens

<400> 362
ggcacgaggg agtgtccgct gtgcctggtg cggctgccgc ctgagcgggc cccgcgcctc 60
ctcagctgtc cgcaccgctc gtgccgggac tgcctccgcc actacctgcg cctggagata 120
agcgagagca gggtgcccat cagctgcccc gagtgcagcg agcgactcaa cccgcacgac 180
atccgcttgc tgctcgccga cccgccgctt atgcacaagt acgaggagtt catgctgcgc 240
cgctacctag cctcggaccc cgactgccgc tggtgcccgg ccccggactg cggttatgct 300
gttattgcct atggctgtgc cagctgcccg aagctaactt gtgagaggga aggttgccag 360
actgagttct gctaccactg caagcagata tggcatccaa atcagacatg cgatatggcc 420
cgtcaacaga gggcccagac tttacgagtt cggaccaaac acacttcagg tctcagttat 480
gggcaagaat ctggaccaga tgacatcaag ccatgcccac gatgcagtgc atacattatc 540
aagatgaatg atggaagctg taatcacatg acctgtgcag tgtgtggctg tgaattctgt 600
tggctttgta tgaaagagat ctcagacttg cattacctca gcccctctgg ctgtacattc 660
tggggcaaga agccatggag ccgtaagaag aaaattcttt ggcagctggg cacgttgatt 720
ggtgctccag tggggatttc tctcattgct ggcattgcca ttcctgccat ggtcattggc 780
attcctgttt atgttggaag gaagattcac agcaggtatg agggaaggaa aacctccaaa 840
cacaagagga atttggctat cactggagga gtgactttgt cggtcattgc atccccagtt 900
attgctgcag ttagtgttgg tattggtgtc cccattatgc tggcatatgt ttatggggtt 960
gtgcccattt ctctttgtcg tggaggcggc tgtggagtta gcacagccaa cggaaaagga 1020
gtgaaaattg aatttgatga agatgatggt ccaatcacag tggcagatgc ctggagagcc 1080
ctcaagaatc ccagcattgg ggaaagcagc attgaaggcc tgactagtgt attgagcact 1140
agtggaagcc ctacagatgg acttagtgtt atgcaaggtc cttacagcga aacggccagc 1200
tttgcagccc tctcaggggg cacgctgagt ggcggcattc tctccagtgg caagggaaaa 1260
tatagcaggt tagaagttca agccgatgtc caaaaggaaa ttttccccaa agacacagcc 1320
agtcttggtg caattagtga caacgcaagc actcgtgcta tggccggttc cataatcagt 1380
tcctacaacc cacaggacag agaatgcaac aatatggaaa tccaagtgga cattgaagcc 1440
aaaccaagcc actatcagct ggtgagtgga agcagcacgg aggactcgct ccatgttcat 1500
gctcagatgg cagagaatga agaagaaggt agtggtggcg gaggcagtga agaggatccc 1560
ccctgcagac accaaagctg tgaacagaaa gactgcctgg ccagcaaacc ttgggacatc 1620
agcctggccc agcctgaaag catccgcagt gacctagaga gttctgatgc acagtcagac 1680
gatgtgccag acatcacctc agatgagtgt ggctcccccc gctcccatac tgcagcctgc 1740
ccctcgaccc ccagagccca aggtgcaccg agcccaagtg cccatatgaa cctctctgcc 1800
ctagccgagg gacaaactgt cttgaagcca gaaggtggag aagccagagt atgaagtgga 1860
atgaatgctc ctgttctgag aagcacactt gtaactgcat cttttggaat ttttttttt 1920
ttttttccaa ggggtagaga tttatgtatt ttatttcaca gattctctgg tcacaggttt 1980
ttgcccaggg aaattctgag aaattcacaa tttcttacca gataaaacat gaaaagtttg 2040
ccgttagttc ccctcccctc ccctccctct ttttagtttt aatttattgg ttaaactgat 2100
ggcagcaatc catgaggtgt gtcaaagagt gtacatatgt atgtgtgtat attgaatgct 2160
aaacatatta ctgaaagaca cattttaata aagatttctg tcataattca aaaaaaaaaa 2220
aaaaaaaaaa aaaaaaaaaa aaaaaaaagg ggccgctcgc gatctagaac tag 2273

<210> 363
<211> 1848
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (976)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1845)
<223> n equals a,t,g, or c

<400> 363
gattcccggg tcgacccacg cgtccgcgcg gaatctcagt tagcggtgga gaggcagtat 60
gtccggttca atggcgactg cggaagctag cggcagcgat gggaaagggc aggaagtcga 120
gacctcagtc acctattacc ggttggagga ggtggcaaag cgcaactcct tgaaggaact 180
gtggcttgtg atccatgggc gagtctacga tgtcacccgc ttcctcaacg agcaccctgg 240
aggagaagag gttctgctgg aacaagctgg tgtagatgca agtgaaagct ttgaagatgt 300
aggacactct tctgatgcca gagaaatgct aaagcagtac tacattggtg atatccatcc 360
gagtgacctt aaacctgaaa gtggtagcaa ggacccttca aaaaatgata catgcaaaag 420
ttgctgggca tattggattt tacccatcat aggcgctgtt ctcttaggtt tcctgtaccg 480
ctactacaca tcggaaagca aatcctcctg aggaggcctt gctgaagtta gaaagtgcat 540
ccactttggg gcgaaaacta gagacttgct tgggggctgc agaagtgccc tctcctcgaa 600
tcctgccagt tgcattcttc ccccttggag ccaagacgat tggccagaca tcacctcaga 660
tctgagacca gcgtcttcca tctctcagag ccttactccc aaagtacctg ctcactgttc 720
cgtgttgaac aattgccggt gtttcctctc ttcactggtt tccatgagta cccttatatt 780
tcacaacttt ctgttcataa gttatagtga cattgctctt tggtaaaaat gcctgctttc 840
caatactttg attgcatatt agacattctt aacagggcgg cagtctagtg ttgaaagttt 900
tatttttcca tttttctttt aagtaaattt tttttaaaaa attctgattt agggctaggt 960
gtggtggctc aggccngtaa tcckggcact ttgggrggcc aaggtgggaa gatcgsttga 1020
ggccaagagt tcaagaccag cctgggcaac atagcgagac ccctatctgt attaaaaaaa 1080
aatctgattt aattctttta tttatcataa ggggtttaat tcctgaagta aaggtttgca 1140
cctattaaac ttaaaactgc caaatgattt ttgttctttt atgtgcgtga taaaaataca 1200
aagaatggtg tggccacctc ctccctttca agctagggca gcaggtagct cttcccagcc 1260
cctgagccca gccccttccc aagtggtgcc ggacaaaaaa ctacatggcc ctttcgtgtc 1320
ttgggggtgg aaagggaggg atgaattggg gtgatagaac cctggtgaat tcagagtaat 1380
ctttctttag aaaactggtg ttttctaaag aaacaggata ggagtttaga gaaggcacca 1440
aagctttcac tttggtttgg caccagtttc taaccatctg ttttttctac cctagctatc 1500
ttttattggt aaaatataaa tgtataatta tgtttgtaga gctttaccaa ggagtttccc 1560
tccttttttg tttgttgatt agcaaatttt tgattctcca ttttccaaaa gtaagagact 1620
ccagcatggc cttctgtttg ccccgcagta aagtaacttc catataaaat ggtatttgaa 1680
agtgagagtt catgacaaca gaccgttttc catttcatct gtattttatc tccgtgactc 1740
caacttgtgg gtttgttctg ttttttccatg agaataaaat actggcggtt tttttcaaaa 1800
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggngga 1848

<210> 364
<211> 1808
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1808)
<223> n equals a,t,g, or c

<400> 364

BNSDOCID: <WO___0122920A2_I_>

cccgggatcg acccacgcgt ccgctttaca tatcatactt tggggttaaa ggagattcct 60
cagactcatc cagcccttgg gtgctgacca gcagagtcac tagtggatgc tgaagttaca 120
tgagctacat gttaaatatt taaagtctcc aaaataaaac accccaacgt tgaccttacc 180
cggctgatgg ttagcccctt gctgcctgct ccatgtgtct tatgagagcc cgtagttaca 240
gtgtcctcta atttgaaatc cataagttaa caagtctata tcaggtgcag ctggctttga 300
ttaaaggcca tttttaaaac ttaaaaactc aacacctcac agattataat agaaaaagaa 360
atggcctcag tttgatctcg ttcagaatga cccagattgt ttctgctttg ggtgcagctg 420
tttagttcag agttatatta cagagaatta ttttctgaga taatcttaaa ctagaatgtt 480
caaaactaat tgataattga agtatcaaga tacgtagaac acctcagaga tttttcttca 540
ggaacttcca caaactttga atccttgtat ctttatttgg tattcatact actagtagca 600
aaatacaggt tttttgtttt gttttgtttg tggcttcata gagtatctca aattgaaact 660
tttctgcaca aagaataaaa ttaaggattt tataaactca aattggcacc tactgaatta 720
aaatacataa aatcatttaa atataattca gcatatggga agtaacattg cactaatatg 780
gaaatcactg ccagagacag tctattttct tttaatttgt tactacttag tcacaaaccc 840
cacattattc cagtttggaa ttacttatta aggagaattg gaaatacata tgcccatgct 900
taaattttat agctttaatt tgtgttattt ctttattgac gggaagaggt acatcttttt 960
ttccttactg aaaacaaata tggattaatt gcctcaaatt tgtataagtg attggctagt 1020
gattcttgtt ttcagaaggg agagtggtat agatagaaaa tgacaaagat ggcaatatac 1080
acttaatgtt gttattgtat gttgttactg aagtacttag atttttaaaa tttcaaatcc 1140
taaatcactt cttgtaggag ggttttcatt aactgcagta tatacagttc actacatatg 1200
ggttgtttga gtttttttgtg tgctgtattt ctttctgttt tttaatacct ggttttgtac 1260
atatctaact ctgttctctt ttggttgttc agaaactgga ttttttttttt cttaagcagt 1320
gcttaatttg tgtttttttaa ttttgattca gaagtagtcc cagctcatag gtgttcatac 1380
tgttacatcc agaacatttg tcaggctctc tgtcagcttt catgtacata tggtatagaa 1440
accatggagt taggcacttc ctggattttt tttttatgag aaaaatactg tatttaaaat 1500
gtaaaataaa cttttaaaaa gcaggcacta atatatattt cttccagcct ttgattacaa 1560
atttgtcctt gcacatgtta agatgaatta tctcctaaaa atatcattgt tcttgggagc 1620
agtgtatgtt actttacata gcagcggttc ctgtcatgtg ttcatgtcag aatatttttg 1680
gttttaaact ttcttattgc ctttggctgt tgattagtac agtacaagtg cgatttcaaa 1740
aagatcttga aagtaatata tttaatcaat taaaatgttt atctgtaaaa aaaaaaaaaa 1800
aaaaaaan 1808

<210> 365
<211> 1280
<212> DNA
<213> Homo sapiens

<400> 365
ctggaaggaa gacgaaccta cgaagcagag tgccaagccc ccagcacaga cgttgagtgg 60
aatggaatag actctttgct gggctgcttg aggaacagag gcagagatct gaagacagca 120
tgtacacagc cattccccag agtggctctc cattcccagg ctcagtgcag gatccaggcc 180
tgcatgtgtg gcgggtggag aagctgaagc cggtgcctgt ggcgcaagag aaccagggcg 240
tcttcttctc gggggactcc tacctagtgc tgcacaatgg cccagaagag gtttcccatc 300
tgcacctcaa cacrctgctg ggagagcggc ctgtgcagca ccgcgaggtg magggcaatg 360
agtctgacct cttcatgagc tacttcccac ggggcctcaa gtaccaggaa ggtggtgtgg 420
agtcagcatt tcacaagacc tccacaggag ccccagctgc catcaagaaa ctctaccagg 480
tgaaggggaa gaagaacatc cgtgccaccg agcgggcact gaactgggac agcttcaaca 540
ctggggactg cttcatcctg gacctgggcc agaacatctt cgcctggtgt ggtggaaagt 600
ccaacatcct ggaacgcaac aaggcgaggg acctggccct ggccatccgg gacagtgagc 660
gacagggcaa ggcccaggtg gagattgtca ctgatgggga ggagcctgct gagatgatcc 720
aggtcctggg ccccaagcct gctctgaagg agggcaaccc tgaggaagac ctcacagctg 780

acaaggcaaa tgcccaggcc gcagctctgt ataaggtctc tgatgccact ggacagatga 840
acctgaccaa ggtggctgac tccagcccat ttgcccttga actgctgata tctgatgact 900
gctttgtgct ggacaacggg ctctgtggca agatctatat ctggaagggg cgaaaagcga 960
atgagaagga gcggcaggca gccctgcagg tggccgaggg cttcatctcg cgcatgcagt 1020
acgccccgaa cactcaggtg gagattctgc ctcagggccr tgagagtccc atcttcaagc 1080
aatttttcaa ggactggaaa tgagggtggg cgtcttcctg ccccatgctc ccctgccccc 1140
caccacctgc ctgcttgctt ctctggctgc ctggtcagtg cagaggtgcc ccctgcagat 1200
gttcaataaa ggagacaagt gctttcccaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aaagaaaaaa aaaaaaaaag 1280

<210> 366
<211> 2138
<212> DNA
<213> Homo sapiens

<400> 366
gatttcaggg gaagattgat gctgcttatt ttgagaccag caaatacctg ttggatgttc 60
tcaataaaaa gtacagcttg ctggaccaca tgcaggcaat gaggcggtac ctgcttcttg 120
gtcaaggwga ctttataagg cacttaatgg acttgctaaa accagaactt gtccgtccag 180
ctacgacttt gtatcagcat aacttgactg gaattctaga aaccgctgtc agagccacca 240
acgcacagtt tgacagtcct gagatcctgc gaaggctgga cgtgcggctg ctggaggtct 300
ctccaggtga cactggatgg gatgtcttca gcctcgatta tcatgttgac ggaccaattg 360
caactgtgtt tactcgagaa tgtatgagcc actacctaag agtatttaac ttcctctgga 420
gggcgaagcg gatggaatac atcctcactg acatacggaa gggacacatg tgcaatgcaa 480
agctcctgag aaacatgcca gagttctccg gggtgctgca ccagtgtcac attttggcct 540
ctgagatggt ccatttcatt catcagatgc agtattacat cacatttgag gtgcttgaat 600
gttcttggga tgagctttgg aacaaagtcc agcaggccca ggatttggat cacatcattg 660
ctgcacacga ggtgttctta gacaccatca tctcccgctg cctgctggac agtgactcca 720
gggcactttt aaatcaactt agagctgtgt ttgatcaaat tattgaactt cagaatgctc 780
aagatgcaat atacagagct gctctggaag aattgcagag acgattacag tttgaagaga 840
aaaagaaaca gcgtgaaatt gagggccagt ggggagtgac ggcagcagag gaagaggagg 900
aaaataagag gattggagaa tttaaagaat ctataccaaa aatgtgctca cagttgcgaa 960
tattgaccca tttctaccag ggtatcgtgc agcagttttt ggtgttactg acgaccagct 1020
ctgacgagag tcttcggttt cttagcttca ggctggactt caacgagcat tacaaagcca 1080
gggagcccag gctccgctgt gtctctgggt accagggggc ggcgcagytc ccacacgtga 1140
agctcgcggt cctcccaggg agctgcgggt gatgttcgtt gcactgctag acacgaaatt 1200
cccattgacg tcctgcagga actgcatgct gcaggtgtcc tgcccttccg cccacgagtg 1260
cgccatgttt cagcggaggc cgtgtgggag aagccacgtc gtgtttcaca tgtcggagtc 1320
gaatgcattt gtaaatccct aagtcaagta ggctggctgc actgttcaca tttgtctcta 1380
aaagtcttca tcgctaaaag ataccataat ttgctgaggc ttcttaagct ttctatgtta 1440
taatttatat ttgtcacttt aaaaaatcca tttcttttag aaaaaattag ggtgatagga 1500
tattcattag ttaagatggt aacgtcattg ctatttttt aacatcctct ttagaggtaa 1560
tttttgttaa cataaccaaa aattaaattg aaacaaaatg tcccaactaa gaaaatatat 1620
agagcatttt attttttttt agtgttgtaa aatattaacc tctgtgagat cctttgtatc 1680
ttaatgcatt acctttacac atatttattc ttatttttctc tcctttcaga gtttacattt 1740
ttatatttaa tttactattt cagattttta aaatagtata gaaaaaagta ggagtgatag 1800
agaacaaaaa tactcttata cagtgcaacc caaataccgc gaatgcatca gctaaagcag 1860
cgtgtaaata ggagtgayga gaaagttaat ggagtatttt attttcaaag ttcctgataa 1920
gcattggaaa gaaatcgaca tggataatga agatttcctt tttccttgcc tatttttttca 1980
ttgtaaatat ttatatacta ctgaccaaga tgttggggtg ggggggattg ttttttgtaa 2040
aaatgtcatt atcaggtcac ataaatctgc ctttatgttg cataagtgaa aatttagaaa 2100

attaaaagca attatctttc agatgcaaaa aaaaaaaa 2138

<210> 367
<211> 3179
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3179)
<223> n equals a,t,g, or c

<400> 367
gcttcccagt gagatcccat cgggacatgt ttctagtgct cttcagttcc tagcattccc 60
cggggagctg cggaagcatt ttctcatgga cacactgtct cttgtgaata ggttccaggt 120
cagcccasga gagccatagc agctgctggt gccaccgttc agcaggggtg agtgccctgc 180
ctgcagtcag gaggcttgtg cccgagctct ggaacaaatc atcacttagg atacagcttc 240
cctggaaaga aattaagtgt caggactttt agaccataag ttgcttgaaa gtcgagaatg 300
gcagacatag ggttgtggtg ttgccagtcc actgcaggtg ctccagcccg cggcgcggcc 360
tgcgctgctg tctttgaggc tgtagcacaa gcatgagctc gggcccctc cctgtgcacc 420
ggagacccag ccaggtccag ccggtctgtc catggtgccc caccagcagc atcgngctgg 480
gcagtgccgc ctgcagagtc atggagcctt agttactgag caggtgcacg tgggggggctt 540
ggaaggcccc actgcattac catgccagct atcrcacacc ccgtgccaga ggactgcatg 600
tgacacggct tgattacgtg gcactcgctg ctgcaaagca aagtcagatg tcatcatgga 660
aactcaagca ccagtctttt tctctgaatt ggaatatagc tgtaagaatg tggtatgatt 720
ctgttcctaa atgtgaattg attattatgt tgaaacaggt aaaaacccca aaattttctt 780
gtcacgtgtt cctgtgtctc tttcgaagtg tgtcacctta ggtcactgtg tggacacagc 840
aagggtggag gacgctaact tggcctttgc agtgatggtg gggtgggaca ggtgttctgg 900
ggcacgaggg gccctgagaa tcccctgcct gggtgtgttt cttctgattc tgtccctcac 960
gtctctgttt tctccctttt ctgtgctcca gagcagccat cagcagggac cctttctacg 1020
aaatgctcgc agcacggaaa aagaaggtct cctccacgaa gcgacactga gcgtgcagcc 1080
aagggcgttg gtctgcgggg gccttggagc tcctgctctt ctcccgcacc tccatggatg 1140
cactgctgcc gagcagagcg tcctctgcca ggccccgccc tggattccta gagactagct 1200
tcagcttttg ctatttttt taagtgggag aagggtgggc rgttatcact ggggaagaga 1260
ggaccggcca cctgtccagc atgggctcca gagccttcct ctctcacagg gcagagctct 1320
tgtcggcagg gcagcctcct ggccagtttc tctgctcagt gttctggtag cagagctcag 1380

agccaactgt ttacctcttg gttgtccccg tgaagaagcc ttcaaaccct gcaccataaa 1440
tacatgtgtc catatattat tatatgttaa gagaaaaagg tggaaaggaa gagaagccac 1500
atactataaa gatctatttt tttttttta agagagaacg tagggctgtt caggtgcatt 1560
ctgccctggc tgcgctgggg agcttctccc tggagaagag cacctggggc tgcggccaag 1620
gggcatcagc ctgggcccgc ggcagggcct ggcctgcctc tcctgtgctg tgggagctcg 1680
ctgcctggtg cttgtctggg cgagatggac aggtgaggtc gaggacgcag agggcagagg 1740
cccagtggag cctcagacgg cacagtcaga gtcgggggcc tgccctggcc ggggtcgcag 1800
tcggcagcag cgtgcagtcc ggcatctccc gcggatgctt ttccatccca agtgcctgcg 1860
gacgccgagg agaggagaga gctgactgga cgcttacgtt attttcctcc ttcagaatcc 1920
aagttcttgt tgggctttaa agtagaaagt cagcattttc cttgagctaa atacctaata 1980
accaaaactg tgaggaaggt tatcgggaca gaggttccgg ataacctgtt tcattttggg 2040
ttttcttcct cttccccaga ctccagtcct cgttctagag gaaggagtag gacttccccg 2100
atccccgtag gcttcagctt tttctgcctc aaaaccagcc ctaactggac tactctggat 2160
gcattttgtg gtgggccccc tagaggggaa gatgggcctt tatctgctcc gtggggtgca 2220
ctggagtgag gggggtggcc gggctgcctc tcgcatctct gtcttccccc gcaggcgctg 2280
tgtgagctgg ccctgccccc cctcattaca gtatgaaggg agccgtgaca cgcagcattt 2340
tcctgccgtt ctctcaggga ctctcagggc agctcctgcc actccgccag ggccagcatg 2400
ccagtccagg cagagcaggt ggctggctgk ctggccgtct cgccccgccc ctccacagga 2460
ccctggacca gggcggtgca gggcgcancc ctgaggaggc aggtggagga gctgcgggtt 2520
ttcacagggc cgcgtcgcca cggctcctct gatcctttag ggttggcgag catctctgga 2580
aatagctttt gcagaggagt ggtgggagga atagaggggg acagtctgtc acctccctcc 2640
ccgccacttt gtgtagatcc tacctggagg gaatggcttt aggcactttt gtgccagagc 2700
ttgtgagggt gacagaagag ggtccaggct ggaaacctga actttctggg tgggagaacc 2760
aggtggtgcc tgccgaggtc tgggcgtgtt tgggccggtg ctggagcctg tccagctggc 2820
ccgggccctg gcctggttct caagtgtttc ctagacagag aggcacctgg gtcagtatta 2880
gtctatttat cagaggtgta aataatctat gtatagtttt tctcctttta gattattttg 2940
tatttgttta aaagaagttt tgtcaaaata caaaaatata aagaaatgac tgaaagttgt 3000
tgacagggtt tttaagaaat aattattcta attgtttttg tttgtttgtt tttgccttgt 3060
aaactagcgc caaggaactg cagcaaataa actccaactc tgcccaagcm aaaaaaaaaa 3120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaann 3179

<210> 368
<211> 1826
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1799)
<223> n equals a,t,g, or c

<400> 368
tcccccgggc tgcaggaatt cggcacgagg tggattcttg tccatagtgc atctgcttta 60
agaattaacg aaagcagtgt caagacagta aggattcaaa ccatttgcca aaaatgagtc 120
taagtgcatt tactctcttc ctggcattga ttggtggtac cagtggccag tactatgatt 180
atgattttcc cctatcaatt tatgggcaat catcaccaaa ctgtgcacca gaatgtaact 240
gccctgaaag ctacccaagt gccatgtact gtgatgagct gaaattgaaa agtgtaccaa 300
tggtgcctcc tggaatcaag tatctttacc ttaggaataa ccagattgac catattgatg 360
aaaaggcctt tgagaatgta actgatctgc agtggctcat tctagatcac aaccttctag 420
aaaactccaa gataaaaggg agagttttct ctaaattgaa acaactgaag aagctgcata 480
taaaccacaa caacctgaca gagtctgtgg gcccacttcc caaatctctg gaggatctgc 540

agcttactca taacaagatc acaaagctgg gctcttttga aggattggta aacctgacct 600
tcatccatct ccagcacaat cggctgaaag aggatgctgt ttcagctgct tttaaaggtc 660
ttaaatcact cgaatacctt gacttgagct tcaatcagat agccagactg ccttctggtc 720
tccctgtctc tcttctaact ctctacttag acaacaataa gatcagcaac atccctgatg 780
agtatttcaa gcgttttaat gcattgcagt atctgcgttt atctcacaac gaactggctg 840
atagtggaat acctggaaat tctttcaatg tgtcatccct ggttgagctg gatctgtcct 900
ataacaagct taaaaacata ccaactgtca atgaaaacct tgaaaactat tacctggagg 960
tcaatcaact tgagaagttt gacataaaga gcttctgcaa gatcctgggg ccattatcct 1020
actccaagat caagcatttg cgtttggatg gcaatcgcat ctcagaaacc agtcttccac 1080
cggatatgta tgaatgtcta cgtgttgcta acgaagtcac tcttaattaa tatctgtatc 1140
ctggaacaat attttatggt tatgtttttc tgtgtgtcag ttttcatagt atccatattt 1200
tattactgtt tattacttcc atgaatttta aaatctgagg gaaatgtttt gtaaacattt 1260
atttttttta aagaaaagat gaaaggcagg cctatttcat cacaagaaca cacacatata 1320
cacgaataga catcaaactc aatgctttat ttgtaaattt agtgtttttt tatttctact 1380
gtcaaatgat gtgcaaaacc ttttactggt tgcatggaaa tcagccaagt tttataatcc 1440
ttaaatctta atgttcctca aagcttggat taaatacata tggatgttac tctcttgcac 1500
caaattatct tgatacattc aaatttgtct ggttaaaaaa taggtggtag atattgaggc 1560
caagaatatt gcaaaataca tgaagcttca tgcacttaaa gaagtatttt tagaataaga 1620
atttgcatac ttacctagtg aaacttttct agaattattt ttcactctaa gtcatgtatg 1680
tttctctttg attatttgca tgttatgttt aataagctac tagcaaaata aaacatagca 1740
aatggcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaanc 1800
ccccgggggg gggccccccc cccctt 1826

<210> 369
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (809)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (829)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (831)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (837)
<223> n equals a,t,g, or c

<400> 369
tagtcatgga ggatttggta tgacttgacc acaggtttag accaaggctg agaagaacag 60
aagggagaaa ttaatggcaa aacaaaaaat acacaaatct gcggttttgg anttaatgaa 120
acaagattca tctatttaaa gaaatgttgg tgttctaata caaagcatta ttttcactna 180
gagaaaatta cttacttgct cccttctgta ttgtaatatt ttgtattaag acatgattta 240
aaatgtcttt ctacccttat ctcctctaaa ctgcaactra agttcaattc ttcatcatta 300
gtattttaac tctggcaaag gttatagaaa gaaaaatggr aatatggtag gcctgtggta 360
ttcttaaaag ctaagtcatt agaactatgc agatccccaa gtttaaaagt acaawtacag 420
caccagtagt tagctttcta gctgggggag aagacaggag atttttcttc cacagatgtt 480
tattttgctt cctgataggt actgcagcaa agccatgttg atgtgtagat gcatgacttc 540
ctcactaagc tgctgcacac cagctttgcc tgcatgattc aaatttgtgc ctcagtaaaa 600
ttataaatta ttgcatgtca taccttgaat aatggaaacg gcaaacatta aacctgtgat 660
tacccataat gtactttaat aataaaaaac atggcagcca ggtgcagtag agtgcacctg 720
tggtcaggag gctgaagtgg gaagattgct tcaacctgtg agtttgagtc ccgcctggtc 780
aacagcgaga ccccatgtgt ctgctgctnt ctctttttt aaaggacana ngcttanct 839

<210> 370
<211> 2315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2304)

<223> n equals a,t,g, or c

<400> 370
tcagcactca aaaagttttg gattttgggg tatttcagat tttagatttt tgtatgagga 60
atgttcaacc tgtatttgaa caagcattac caaatatcat tgaatattaa tatcttttgc 120
gtaaaaactg ctattatcag catcatagtt tctctaaaaa gaaaacttgg ggatcatagc 180
cgatagagag acttgctaaa atataaatca gcctctgcaa aactgtttac atatttattg 240
gtttacatat tttattggtt tatttctatc ccctgttcac tttttctctt ccacttccaa 300
ttatgaagag aaaatatttg ttcagggttg tccccccgcc ccccgtcact gcataatttc 360
tcctcttaca agctgctttt ggctttcatt aataacagct tccttttaga aggtctgata 420
aggrtattta aggaagraga gratgactct gttattaaag gtggctggrg actgtggrgg 480
gatatttttt waagcactac tcatatcctt taactaaatt ttgccaagcc sgasacaaca 540
ttaaggagaa attgtacctt aagttagtaa ttccaaatct atctgagttg tatacccatc 600
aaagacaata cagttattaa catagatgaa ggtatgctat aggcatcatt cattatctct 660
atattgaata ggtgaaagat aactgtagtc aggtgaaagg cattcattat ttttaagctg 720
aaaaggggat ccttgaaaac actgaaaacc tctacaacaa tcttcaggaa gcctgctatc 780
ttgggattca ctaataatag gccaagaaca aaggcaagca tccattcctc actccaccac 840
ttttctattt cagtgggtgt crttgctacg atgaagactt tggaaatttc ctttctcttt 900
taggacaggg tcaggattta ggactcatag cctgaaagct cattacatac tccttgtaac 960
catcagtcca aggttcagtt cactaaagtg catgttctaa aacaagagct atcctcattc 1020
caaattttaa aatatgtact ctggtcggtt gcagtggctc acgcctgtaa tcccagcact 1080
ttggcaggcc gagatgggcg gatcttttga ggtcaggagt ttgagaccag cctggccaac 1140
atggtgaaac cccgtctcta ctaaaaatac aaaaattagc caggcatggt ggcatttgcc 1200
tgtaatccca agctactcgg gaggctgagg caggagaatc acttgaacct gggaggcana 1260
ngtttgcagt gagctgagat tacaccactt gcacttcanc ctgggtgaca gagtgagact 1320
ycatctcaaa aactgaaaat aaaaataaaa atatgtattc tcctaactga aatatttact 1380
taatctggaa aacaatgtaa ctatttttaa agtggttaca tctattcttg ctgaagaaca 1440
ataaacagaa ttttttgact aagcataacc aaatttcaga acagtctaat caatgccaag 1500
tatccaaggc aaactctaat acccatccat tgtgcaaaac cacaagcacg caagtattaa 1560
ataagagcaa gctgtcctga gcccatacct aatgaatttg tgtcttaaat attgtacatt 1620
gtgtttgagg cttgtcaaaa ctgggattat ggcaagaaag gttgcctaac tcataccttt 1680
ctgcctcaaa ttccaggtgc taaaggctaa tggcatttta aacatcttac attttaaaaa 1740
atttatattg cctctgccaa acaggcctaa tagttaaaag caagttgaga caaaccaggc 1800
agattcagtg tgtggaacag gaaggatgtg ctttaaaaaa aggtggaatc cctcaaaaaa 1860
ttctataggg agacagcagc cttaatctac ataattcttc atctcgccaa ttcagccgca 1920
gcctttaaag agttagtgtt aatggctttc tggtttgaaa acaaaaatgc atctatgtgg 1980
ttgaaagttt gggaggagat tcaccaatat ctgaggagaa gatggagtga agggaattct 2040
tacttttgc tttatacctt tctataatat ttagattttt ttttactgta agtatggatc 2100
aaattgcaaa ataaagaaaa atgccaacct tagaaaagac aataaatgca caaaagatat 2160
aaacaggaac agcaaatatt tatatttttt ccattttgct ctttttaaat ctatgtttag 2220
aactttatat cttgggactt atgtatatat atacctttta aataaaataa attttctaaa 2280
taaaaagtta aaaaaaaaan gggnggccgc cctag 2315

<210> 371
<211> 3007
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2984)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2988)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3002)
<223> n equals a,t,g, or c

<400> 371
gccactcccc catcgtgggg cagctgcggc tgagggctgt ggctttggca gctgcgacgg 60
ggagcggcgg agaccgcctc tgctcccgcc tggggttgct gcttttgctc agaggacatc 120
catgacccta atggtctttt tgttcaagat aaagtgattt tttgcctttg ttgattaact 180
ggrcaaattm agcatgtaga gcrcatgaag tacaggacaa taaagcttcc tacacatatc 240
accaggagga tctctttgaa agattcactg caggactacc agagagaata atttgtctga 300
agcatcatgt gttgaaacaa cagaagtcta ttcacctgtg cactaactag aaacagagtt 360
acaatgtttt caattctttg agctccagga ctycagggaa gtgagttgaa aatctgaaaa 420
tgcggccatg gactggttcc tggcgttgga wtatgctcat tctttttgcc tgggggacct 480
tgctgtttta tataggtggt cacttggtac gagataatga ccatcctgat cactctagcc 540
gagaactgtc caagattctg gcaaagcttg aacgcttaaa acagcagaat gaagacttga 600
ggcgaatggc cgaaatctct ccggatacca gaaggcccta ttgatcaggg gccagctata 660
ggaagagtac gcgttttaga agagcagctt gttaaggcca aagaacagat tgaaaattac 720
aagaaacaga ccagaaatgg tctggggaag gatcatgaaa tcctgaggag gaggattgaa 780
aatggagcta aagagctctg gtttttccta cagagtgaat tgaagaaatt aaagaactta 840
gaaggaaatg aactccaaag acatgcagat gaatttcttt tggatttagg acatcatgaa 900
aggtctataa tgacggatct atactacctc agtcagacag atggagcagg tgattggcgg 960
gaaaaagagg ccaaagatct gacagaactg gttcagcgga gaataacata tcttcagaat 1020
cccaaggact gcagcaaagc caaaaagctg gtgtgtaata tcaacaaagg ctgtggctat 1080
ggctgtcagc tccatcatgt ggtctactgc ttcatgattg catatggcac ccagcgaaca 1140
ctcatcttgg aatctcagaa ttggcgctat gctactggtg gatgggagac tgtatttagg 1200
cctgtaagtg agacatgcac agacagatct ggcatctcca ctggacactg gtcaggtgaa 1260
gtgaaggaca aaaatgttca agtggtcgag cttcccattg tagacagtct tcatccccgt 1320
cctccatatt tacccttggc tgtaccagaa gacctcgcag atcgacttgt acgagtgcat 1380
ggtgaccctg cagtgtggtg ggtgtctcag tttgtcaaat acttgatccg cccacagcct 1440
tggctagaaa aagaaataga agaagccacc aagaagcttg gcttcaaaca tccagttatt 1500
ggagtccatg tcagacgcac agacaaagtg ggaacagaag ctgccttcca tcccattgaa 1560
gagtacatgg tgcatgttga agaacatttt cagcttcttg cacgcagaat gcaagtggac 1620
aaaaaaagag tgtatttggc cacagatgac ccttctttat taaaggaggc aaaaacaaag 1680
taccccaatt atgaatttat tagtgataac tctatttcct ggtcagctgg actgcacaat 1740
cgatacacag aaaattcact tcgtggagtg atcctggata tacattttct ctctcaggca 1800
gacttcctag tgtgtacttt ttcatcccag gtctgtcgag ttgcttatga aattatgcaa 1860
acactacatc ctgatgcctc tgcaaacttc cattctttag atgacatcta ctattttggg 1920
ggccagaatg cccacaatca aattgccatt tatgctcacc aaccccgaac tgcagatgaa 1980
attcccatgg aacctggaga tatcattggt gtggctggaa atcattggga tggctattct 2040
aaaggtgtca acaggaaatt gggaaggacg ggcctatatc cctcctacaa agttcgagag 2100
aagatagaaa cggtcaagta ccccacatat cctgaggctg agaaataaag ctcagatgga 2160
agagataaac gaccaaactc agttcgacca aactcagttc aaaccatttc agccaaactg 2220
tagatgaaga gggctctgat ctaacaaaat aaggttatat gagtagatac tctcagcacc 2280

aagagcagct gggaactgac ataggcttca attggtggaa ttcctcttta acaagggctg 2340
caatgccctc atacccatgc acagtacaat aatgtactca catataacat gcaaacaggt 2400
tgttttctac tttgcccctt tcagtatgtc cccataagac aaacactgcc atattgtgta 2460
atttaagtga cacagacatt ttgtgtgaga cttaaaacat ggtgcctata tctgagagac 2520
ctgtgtgaac tattgagaag atcggaacag ctccttactc tgaggaagtt gattcttatt 2580
tgatggtggt attgtgacca ctgaattcac tccagtcaac agattcagaa tgagaatgga 2640
cgtttggttt ttttttgttt ttgtttttgt tttttccttt ataaggttgt ctgtttttt 2700
ttttttaaat aattgcatca gttcattgac ctcatcatta ataagtgaag aatacatcag 2760
aaaataaaat attcactctc cattagaaaa ttttgtaaaa caatgccatg aacaaattct 2820
ttagtactca atgtttctgg acattctctt tgataacaaa aaataaattt taaaaaggaa 2880
ttttgtaaag tttctagaat tttatatcat tggatgatat gttgatcagc cttatgtgga 2940
agaactgtga taaaaagagg agctttttag tttttcagct tatntacntt gttttttgtc 3000
cnggttc 3007

<210> 372
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<400> 372
gttgacttgt actgaaggtg attttaaatt taagtatgta gtgtttgaat ttcttccatc 60
catgtcgttt taatgagatg tttccatgtc agctccttta cagccttggc tccyggctta 120
cagatttttg aatagttgtt tgcttgccag ttgttttaca tctttcattg gccaccaaaa 180
tattagccat ttgagatgag atgagactac ttgttgtacc ttcatctttc atttaatttt 240
ctggcgtaaa ttaacatttt aatttcatat atatctgtaa agagtctacc caaaggcttc 300
acggaaattt gcaaaatgaa ctaattccct tttaagcagc aggtgtgcct gtttttgact 360
tttcagtaaa tatgttgttt gtgcacatat ctacatggtg gagaccatat tcattatttc 420
atcttccaaa taatgggaaa aatataaaag tgaatcagtg tgctttggga attcagtgaa 480
atcatgttaa ctcatataga gggggcctta gtttatctct nctttactga attaattagt 540
tttggaaatt cttttaccat taaaaaaaat taaggaccat acagagaatg atttaagaaa 600
aaacaagtca cttaaaaatc atcacctatt tataaactgt attaattaca cataatgctt 660
attgattcaa tgaggtttct ctaaagactt ctgcttaata aatatggctg gacttcattt 720
aaattagttt aggactattg tagggatggg ag 752

<210> 373
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (638)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (682)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (683)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (708)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (711)
<223> n equals a,t,g, or c

<400> 373
gagagcctat ntcctagttt ctcccaatgt tatatttaat tttaaaaaat tgatatgaaa 60
atgtctaatg tatagtaata atttatgaca gatctagtca tttcttccta ttaaaaaaga 120
ttaccttatc tccagtagga aatggaattt tatgggcctt taaaagaaag ttttatgaaa 180
cttgatgcta taattttatt ggtatttcaa ggggaaaaaa gcactggggt tcaaaaatgg 240
tagcagaact gctttgaaat gctgcaaggt ggccactaga tgatgcaaaa tacaaccaaa 300
agattgactg agaataaaat taggtgacaa gggtttttaa agaataacct tttaaagtgt 360
gggggcaggg gttgcttttt tttattttat ttaaagtcaa ttatatttta catcttacat 420
ttctaaaagc attttataat tatttttagt aagatttttc ttaaaatttc atatactggt 480
ttctacaatt tatatttgaa atttctcagt gttatgtaaa gagtgatgga aaagcattga 540
tttctttaaa accgtaatgn ttttagaact taagcctata gggcctttct tacaatggtg 600
atgtacccat tatcttagaa aatctagttt aaacctgntt tctttccccg caaaagaatt 660
aaatggggaa aatccatttg gnnatcctct taagttattc ctaattangt ng 712

<210> 374
<211> 1807
<212> DNA
<213> Homo sapiens

<400> 374
ggcacgagtt atggattacc tagatatcgg tggcttactc atgcttggaa ttttttttcag 60
agagagttta agtgctgtgg agtagtatat ttcactgact ggttggaaat gacagagatg 120
gactggcccc cagattcctg ctgtgttaga gaattcccag gatgttccaa acaggcccac 180

caggaagatc tcagtgacct ttatcaagag ggttgtggga agaaaatgta ttccttttg 240
agaggaacca aacaactgca ggtgctgagg tttctgggaa tctccattgg ggtgacacaa 300
atcctggcca tgattctcac cattactctg ctctgggctc tgtattatga tagaagggag 360
cctgggacag accaaatgat gtccttgaag aatgacaact ctcagcacct gtcatgtccc 420
tcagtagaac tgttgaaacc aagcctgtca agaatctttg aacacacatc catggcaaac 480
agctttaata cacactttga gatggaggag ttataaaaag aaatgtcaca gaagaaaacc 540
acaaacttgt tttattggac ttgtgaattt ttgagtacat actatgtgtt tcagaaatat 600
gtagaaataa aaatgttgcc ataaaataac acctaagcat atactattct atgctttaaa 660
atgaggatgg aaaagtttca tgtcataagt caccacctgg acaataattg atgcccttaa 720
aatgctgaag acagatgtca tacccactgt gtagcctgtg tatgactttt actgaacaca 780
gttatgtttt gaggcagcat ggtttgatta gcatttccgc atccatgcaa acgagtcaca 840
tatggtggga ctggagccat agtaaaggtt gatttacttc taccaactag tatataaagt 900
actaattaaa tgctaacata ggaagttaga aaatactaat aacttttatt actcagcgat 960
ctattcttct gatgctaaat aaattatata tcagaaaact ttcaatattg gtgactacct 1020
aaatgtgatt tttgctggtt actaaaatat tcttaccact taaaagagca agctaacaca 1080
ttgtcttaag ctgatcaggg atttttttgta tataagtctg tgttaaatct gtataattca 1140
gtcgatttca gttctgataa tgttaagaat aaccattatg aaaaggaaaa tttgtcctgt 1200
atagcatcat tatttttagc ctttcctgtt aataaagctt tactattctg tcctgggctt 1260
atattacaca tataactgtt atttaaatac ttaaccacta attttgaaaa ttaccagtgt 1320
gatacatagg aatcattatt cagaatgtag tctggtcttt aggaagtatt aataagaaaa 1380
tttgcacata acttagttga ttcagaaagg acttgtatgc tgtttttctc ccaaatgaag 1440
actcttttttg acactaaaca ctttttaaaa agcttatctt tgccttctcc aaacaagaag 1500
caatagtctc caagtcaata taaattctac agaaaatagt gttctttttc tccagaaaaa 1560
tgcttgtgag aatcattaaa acatgtgaca atttagagat tctttgtttt atttcactga 1620
ttaatatact gtggcaaatt acacagatta ttaaattttt ttacaagagt atagtatatt 1680
tatttgaaat gggaaaagtg cattttactg tattttgtgt attttgttta tttctcagaa 1740
tatggaaaga aaattaaaat gtgtcaataa atattttcta gagagtaaaa aaaaaaaaaa 1800
aaaaaaa 1807

<210> 375
<211> 1815
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<400> 375
gagatcaccc gctacccact gctcatcaga agtattctgg agaacacccc ggagagccat 60
gcagaccatt cctccctaaa gctggccctc gagcgggcag aggagctgtg ctctcaagtg 120
aatgagggag ttcgggagaa ggaaaactcg gaccgactgg agtggatcca ggcgcacgtg 180
cagtgtgaag gcctcgcgga naacttattt tcaactctct caccaactgc ctggggcccc 240
ggaagctctt acacagtggg aaattataca agaccaagag caacaaggaa ctgcacggat 300
tcctcttcaa tgacttcctg cttcttacct acatggtcaa gcagtttgct gtttcctctg 360
gctctgagaa acttttcagc tcgaagtcca atgctcaatt caaaatgtat aaaacgccca 420
ttttcctgaa tgaagtcttg gtgaactgcc cacagaccct tccagcgatg agcctgtctt 480
ccacatttcc cacattgatc gggtctacac cctccgaaca gacaacatta atgagaggac 540
cacctgggtg cagaagatca aggcggcgtc tgagcagtac atcgacaccg agaagaagaa 600
gcgtgagaaa gcttaccaag cccgctccca aaagacttca ggcattgggc gcctgatggt 660

gcatgtcatt gaagctacag aattaaaagc ctgcaaacca aatggaaaga gcaacccata 720
ctgtgaaatc agcatgggct cccagagcta caccaccagg accatccagg acacactcaa 780
tcccaagtgg aattttaact gccagttctt tattaaggat ctctaccaag acgtgctgtg 840
tctcaccctg tttgacagag accagttttc accagatgat ttcctgggtc gtactgaaat 900
tccagtggca aaaattcgaa cagaacagga aagcaaaggc cctatgaccc gccgactgct 960
gctgcatgag gtccccaccg gggaggtctg ggtccgtttt gacctgcagc tttttgagca 1020
aaaaactctc ctgtaggggt tctaaaggac agcaccagcg ggacagccca caaggctggg 1080
gctggagaat gagagactgc gctctcttgg ggctgaggga gcaccatgca gcttcacccc 1140
tcacaaagcc atgcacgctg ggggctctgt tttcctgcac actaaatagc tagcaatcta 1200
tgcaaacacc tttcccataa agaaaccaaa ccccatagta cagtgccttg tcctagtgtt 1260
cacatgttca gctctgtttg tttagatgcc aaggtttcca ttttcagggc tataaaaagt 1320
attacttgga aatgaggcat cagaccacca gatgttaccg ctcggttgaa tgtgtccacc 1380
gtggagtggt ttggtgacgc tgtaaccatt ccacgccagt gacctctgct gggtcacagc 1440
cactcaggag gggaagggtc aggatgagag ctgcagcctc gacacttgcg cggcctgata 1500
ctgaaatagc gtctactcgt gcactgaata aaaacagaaa cttgatcatt ttattcctga 1560
ttagatttta tcactctctg ctaagacaat atagtctgga gtataagtgg gaaagcttga 1620
tttaaatact gtgaactcta ataatgtgga aaatattttt caactttaat tttctgaagt 1680
ataaattatt tatgtaaatt cattgttttt gcatatttct taggacatgc atctttaagc 1740
tttatcattg cccatatgta cagaaagaga ataaagacat atgtttatgg atggaamaaa 1800
aaaaaaaaaa aaaaa 1815

<210> 376
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 376
gtatccccag gaggtcaaca ggggcttcat ttttctgagg gactagaggg tcttgtggag 60
ctcctgggac agagatctag atccagagag aacattcgtc cttccgatct cagctcagct 120
ctgagagccc tcccagagag cagctcccga gggctccaga gcctccgaaa gccctcccag 180
agagcagccc ccacctccca ggctgtctgc acttctcctt gctatgcttt gctctgtaac 240
attttgcaac agtctgcagt acacggggtt tgttaatctg agtattcatt gtttctcttg 300
ctgggcagtg aacttgagga gggcagggat tttgtctgtt cactgctggr gycccagcac 360
ccaraatact taaatctgag ttggatgaat ggcggccagc cactgggatt ccagggcttt 420
gggccccctg ccataacata tggcccargg cargcgccac atgctgggtc agtccccarc 480
ctnctgtyca caratccttc tctgttctac tccygggctg tktccttcca ccctcaactc 540
ggttctcagg 550

<210> 377
<211> 3202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2957)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3192)
<223> n equals a,t,g, or c

<400> 377
ctgctgaaga ccttgtgaga agatctgaga aagatactgc agctgttgtc tccagacagg 60
gcagctccct gaacctcttt gaagatgtgc agatcacaga accagaagct gagccagagt 120
ccaagtctga accgagacct ccaatttcct ctccgagggc tccccagacc agagctgtca 180
agccccgact tcatcctgtg aagccaatga atgccacggc caccaaggtt gctaactgca 240
gcttgggaac tgccaccatc atcagtgaga acttgaacaa tgaggtcatg atgaagaaat 300
acagcccctc ggaccctgca tttgcatatg cgcagctgac ccacgatgag ctgattcagc 360
tggtcctcaa acagaaggaa acgataagca agaaggagtt ccaggtccgc gagctggaag 420
actacattga caacctgctt gtcagggtca tggaagaaac ccccaatatc ctccgcatcc 480
cgactcaggt tggcaaaaaa gcaggaaaga tgtaaatcag cagaaaaaaa acaccgagac 540
gtttctgtga cttcactttc acctgctcca ggggtcaagg acttgccttg cctgataacc 600
agccagcagg ctccgaatca ccatctccct cacatgttat ccggcaagag tgaattctac 660
caatggaagc caggttaatg attacaatta atcttttact gtacattccc aaggctttag 720
ttttaaatgc cactgtgcct ttaacaaggt tgtaaatatt ttatgcccac cagagatgtg 780
gtcataagat ctgatcctga gccagagatt cagatggcac aggaagtatt catgtatttt 840
aacactgggg ttttctttct ttcatactga gatttttttt cagtatgtat cctccagctc 900
ttaaagctta cctgagaaag ctttaaatga gaaaaggacc atgcgattgg tgctgtgtta 960
catacacata ctttcttggc ttctgagtag ctcaggtgtg gcttttggct gcagatgtta 1020
aattttgata ccatgtaaac ctacccagct tctcagactt gggtcttgtt ttttgatggg 1080
aacagaggtg tttagagaaa gcctctgagt atgcctttca gattttgaac aagcggcctt 1140
ttctaaacat cgacttctac tactctctag ccttaaaata ccttctgctt agatccaggg 1200
cccttctact ggagatagga aaagtagaat tcaggaatta aaagaattac tctttattca 1260
atttgaggaa cttggtgaaa gcccctcctc ttatgacagc caggttcctg ctggctagac 1320
cagcctattc agcgctttgc taggggattg ggtggtccac gcactcgcta atacagttct 1380
ccaggtgtgg aatgatgtca atacgattgc ttggcctttt ccccctgtgc ctttgctcgg 1440
tgctctggtt tcctcagcaa cactccttgt aaggggcaga gacagggtcc accaactccc 1500
caagatgaag aagccccttc aggccagtcg tggtggctca tgcctgtaat cccagcactt 1560
tgcaaggccg aggagggtgg atcacttgag gtcaggagtt cgagaccagc ctgaccaaca 1620
tggcgaaacc ccatctctac taaaaataca aaaattagct tggcatggtg gtgcgtgcct 1680
gtaatcccag ctactcggga ggctggggca ggagaattgc ttgaacttgg gagatggagg 1740
ctgcagcgag ccaagatcgt gccactgcac tccagcctgg gcaagagttt ttttaagact 1800
cttaaaaaaa gagcctgggc aatttttta agactctgtc ttaaaaaaaa ctaaaaagaa 1860
aaaaagaagc cccttcactc tacaggggac aggagaccat ggattggacc ccaaagggat 1920
tgaactgcat ctgcatgtct gtcctttgaa cactttctct ccctgcccaa aaggaaaccc 1980
aaattatttg tgggatactg gggaaattgt agtgaagggc ttaatgtagt taataaaagt 2040
taaaagtcag tagaaaacag gtgcctcagc cttcaaatgg ttgctttttt tccattttcc 2100
ctcatgaata gactcaccag cattttaccc ccttgttata aaactgtgca gagcaagaag 2160
atgatactta tttttgaatt tgtattttta aaactagatt tatagacttt ttttttttt 2220
aactagggca cttgcttcct tcttagctaa aagcaccagc tgagattttt caggtaattt 2280

tgttgttact cacttaagac tggaattaga atgtttctgg tatttctcat ttttttccct 2340
ggctatgata gaatctcatc taatcttgac atctctccta ggggaagaat atcacaggct 2400
aatagcgtgg ttgggggtga agatgatagc agttattaaa tcaggaatct cttttatgta 2460
tgtccttgtt acattgaggt taagagacaa aatcattggc agtgcaatct ctttccagga 2520
tttcgtttgc tgtggcattg gttatatcag agcactttaa tctgaaggat gatactgtaa 2580
cttgatttat ctaattagct tttaattatc tacagctatt ttatttttatt taattctctc 2640
ctacagtact gggaccactg taaacttctc agatgacttg tatttttgta gtgctatgaa 2700
atttatttac atacttataa agaaaactgt atgttcactt gaactctgaa aatgtacatg 2760
tatggctgga cgcggtggct cacgcctgta atcccagcac tttgggaggc tgaggcgggt 2820
gaatcacttg attgaggtca ggagttcgag accagcctgg ccaacatggc aaaaccccgt 2880
ctctactaaa aaatacagaa attagctggg tgtggtggca gacagctgta atctcagctg 2940
ctcgggaggc tgaggcncaa gaatcgcttg agccagggag gtggaggttg cagtgagctg 3000
agatcacatc attgcactcc agcctgggca acgggcgaga ctctgtctca aaaaaaagaa 3060
agaaagaaaa ggtacatgta tatatttgtc ctgcattatg ttttttactt gatataaang 3120
tatttttact gtgatagtca aaaaaaaaaa aaaaaaaaaa aactcgaggg ggggcccggt 3180
acccaattcg cnctatagtg aa 3202

<210> 378
<211> 2401
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<400> 378
aatatctcat gaatgagttt gaagtttgct tggattttga aatgaatggg actttgtctt 60
tattactaat tcaccaaatt tgttgagcgc aaaagcaatt aatgtagttt aagtatttag 120
tatgtacagt tctctgtgtt aacagctgag aagtaagcaa ccttttctga ctgcatatng 180
gtgtattcct cttttgagtc cccataatat tttataaatt gtaatgcccc atcttgtact 240
acagttgtct tattcgtatt gtttataaac tttgagggtt aggactgggt cttactcatc 300
tttatgtgcc ttccttatgc ttcaaagaat ttaccatcta atggaagaga acatttgcaa 360
gttggctcca taccaagctc cttccacata ctctactcat ctgaactttg aatgcagaat 420
ctttaaattg caaccccaca tactaaggtc aagaaagaac ttaatgggaa ttaatctcca 480
cccattagct ttaccctgac atcaggattg ccaaatccaa tggactcttg tctattctta 540
cgtgacttct gctggaaaat gcgaatgttg accatcctgc cacttggaac tctcttccca 600
ctcctcacat tgcttttgct accactggaa gttccttctg tttcttgtgg agtacctttt 660
gctgtctggg acttgtagat aatggtgttt cctagggctc cctccagggc cctctgcctc 720
actaactgga tatacttttc ctgagcaaat cccaggaaac ttgcgtcaga ccgtgacttc 780
aaatacaggt tgataaatgc taaactgtct ccaaaccaga cttcatccta gcctccacac 840
ccagacaccc aactgctatg gatcaacttt ttagaatatc ctcacttcaa actgacctta 900
cctaaaataa tgacttttc ccccaataat tgcccctgct atattcctta tttctgaatg 960
gtacctccta gctatataga ttatctgagg agcttactga aatgctgatt ctgaagataa 1020
ggggcatggc tttaagattc tgtatttctg gcgagtaccc aactggtgct catgctgctg 1080
attgagaacc acttctgaat atagcaaggc tgtaaattat ccactacgtg ccctcgtaat 1140
tgtcttagtt caagcccaga ttattgtagt agacttagta tttctttgcc ttagttgatc 1200
tgtgacccct ccaatatcta ttccacactg ttgcctaagt ggccttagta aaattcaagt 1260
ctggttattt tattcccctg cttggaattt ctcaatgtag aatgaaactc attcagcatt 1320
aacacatagg cccttcttga tctgacatcg tgtttctcta gttagactaa agaatcccca 1380

ctatgaagtt gtttcatccg taagtacctt tgaacccaga agcccccttt ctcatatgtt 1440
tctcattcct gtttgccctt cagagttcag ctttagttgc taaaacattc agacatccct 1500
ctgacttaga tcccccacta ctgtttttct gtgagaagca gctatgcata attcctcttc 1560
aacacagtag ttcttgaaat tttgcaggcc tctcctggaa aggaggaaat gacttctctg 1620
actttgtatg atgcttattt gtggatgaat gggcaaggga aaaaatgaag gaacaagtga 1680
atgaacagta tgggagtatg agaaaaggta taaattgggt atagttgaga aaaggattca 1740
aattgatctt tggttcgaga gacaatttca tctttctgat gaatttaaag tgtagtcttt 1800
gaaccagctg ggcttaatta tgtaaagttt tgagcctgag ataagcacac aatcacaaaa 1860
cctacccaaa caagtttttt gtttcacttc atctcttata aaacaatgtt ctaaagtaag 1920
tgatagggat gctcatcatt ctgctaccta ttatcacaat gaaaacaatc ataaatagta 1980
cacaggaaag gtgagaaata gcggatagtt cttatttcat agtactgtat atggaaataa 2040
accaaatttg ctcatagaga tactatttta ttacctcaaa aatatataaa aatgaaaacg 2100
ttatgaaaat attttaaaat gggatttaaa aataattgag aacatcacag caatttagaa 2160
tactaaagag catagcttta aaatgatagt gctgagaact ccccacctct accccaccac 2220
ctgtaggctt ctttgacaac ttacaaatgt tctctagttt gtatctagaa tcacttatat 2280
ctttcaaata aaccaacttt gtgaacaaaa aaaaaaaaaa aaaagggcgg gccgctctag 2340
aggatccaag cttacgkaaa cgcgtgcatg cgacgtcata gctcttctat agtgtcacct 2400
a 2401

<210> 379
<211> 852
<212> DNA
<213> Homo sapiens

<400> 379
gcccacgcgt cgacccacgc gtccgggtcg gtctcgcctt gtcgccagct ccattttcct 60
ctctttctct tccccctttcc ttcgcgccca agagcgcctc ccagcctcgt agggtggtca 120
cggagcccct gcgccttttc cttgctcggg tcctgcgtcc gcgcctgccc cgccatgaat 180
gaggagtacg acgtgatcgt gctgggcacc ggcctgacgg aatgtatcct gtcaggtata 240
atgtcagtga atggcaagaa agttcttcat atggatcgaa acccttacta cggaggagag 300
agtgcatcta taacaccatt ggaagattta tacaaaagat ttaaaatacc aggatcacca 360
cccgagtcaa tggggagagg aagagactgg aatgttgact tgattcccaa gttccttatg 420
gctaatggtc agctggttaa gatgctgctt tatacagagg taactcgcta tctggatttt 480
aaagtgactg aagggagctt tgtctataag ggtggaaaaa tctacaaggt tccttccact 540
gaagcagaag ccctggcatc tagcctaatg ggattgtttg aaaaacgtcg cttcaggaaa 600
ttcctagtgt atgttgccaa cttcgatgaa aaagatccaa gaacttttga aggcattgat 660
cctaagaaga ccacaatgcg agatgtgtat aagaaatttg atttgggtca agacgttata 720
gattttactg gtcatgctct tgcactttac agaactgatg attacttaga tcaaccgtgt 780
tatgaaacca ttaatagaat taaactttac tactgtggaa agacaactgt tttaataaaa 840
gatttacatt cc 852

<210> 380
<211> 2014
<212> DNA
<213> Homo sapiens

<400> 380
ggcatgttag tagacgactg aatatggaaa ggatatcgag ttatctattt tgttaatttt 60
atttttgttt tttatcatct agatttttat catggattag tctgaaattt aaagttctgg 120
ccagtcggtt ttctttcatc ttgtagtttt tacagtattt ccactgtgca tatgcaaaat 180
gggtattaca taactgtatc atatttggta ttgataattt ttttttttt tgagacggag 240

tcttgctgtt gcccaggctg gagtggagtg cgtggtgtga tctcggctca ctgcaaactc 300
cgcctcctgg gttcaagcga ttctcctggc ccagcctyct gagtagctgg gattacaggt 360
gtgtgccacc rtgcccagct aatttttgtg tttttagtag agacggggtt tcaccatgtt 420
ggccggctgg tcttgaactc ctgacctcag gctatatgcc cacttccacc tcccaaagtg 480
ctgggattac aggcatgagc cactgtgccc agcctggtat tgataattta tattcagata 540
atttgttatg gctctttaat atcccacaag gggctctaaa aagcaaacat tcaagagtat 600
gtagttttta gacattaagt taattatttt aaacagtgac agcaaaacac aagtgattaa 660
atatagttta tttgttccaa tgactaaatt ttacctcatt tattaatctg gtcattaagg 720
aatatattta ataatattat gtaattattc tttttatgca tgatacacct agaaaaatgc 780
cttttgtttc tattgatggc tttgttgttt ggagctactt ttgattactt attgcagttt 840
cccaatttag tctttacttt atctaactca caaagtaaaa ttaactgatc acatggcaac 900
tactgtattt aaatagttct ggaaaaatga aagtgctttt tgctgcttgg taaatgggta 960
atgcccttga ttccttgact gtaggacata gctgatctaa agtactctgt cagttttacc 1020
ttcacccatg actgtcatta gttgtcaaag ttgaaaagta ctttagctgt gagaaatcct 1080
tgtatgtttt tattataaga ggtataatca tcctcaaagc ctgtttttat tacatgatgt 1140
ggactgatta ttttttctat cacagtgtta acagatggat tttattgtaa atacaaagaa 1200
aacatattga ttattgtagt attcttatgt cacctggcct tttgcgtgag attatttatt 1260
atttctagca aggctttctt cctttcttat tgcccagaga ctgactgata catcttttgt 1320
tatttttaca cataaattaa acatagcctt tttggacaaa ttcactaaat attaatgtat 1380
aaaatgtaat tgagtaaatt tttatcagaa ttttaaaaat aaaagagctt agactcagta 1440
gaactcagta gaagcttcac tatttactcc agcgtgtgta aattgtactt actctattct 1500
cagagtatat ttactgtcct taccattgat tctttccctt tgctaatttt ttttttgttt 1560
aatggtagct gcgactttag gtggggtata ttttcttctc ctaagagaat agacagtttt 1620
tccagattca tcatcattga ctgtcaagaa aggacccttc agcaaggctg taccctcaat 1680
gcagttgatg gcctgtcttc acggatttac agacttggcc tgatgcccat gtaaattcaa 1740
gctttggctt gtggtaacaa ccacaagaag acaagcatct gtggtgcgga ggcaagcagg 1800
ctaactagga gttgacaagc taagaaagtg aaactgttct ttcttagtta actgtctttc 1860
tctggagctc tgttattttg agtataatat ttccacgaca cttagtaaat gcaagctaaa 1920
atgtaataat aataaattgt attggagaaa cctaaaaaaa aaaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 2014

<210> 381
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<400> 381
nggggtgggg ggccctaatg gagaggtgtg ggtttsgcra gaaaraaaga aaattcccca 60
cttggaaaga aagaggagga acactggatt ctwactttct ggatcttrac actgggctgc 120
aaaacctacc ttcctctctc ccgcctcccc tcaccctcaa ctctcaatgt cttgctgtca 180
ttttctgtct cggctccctc ctcccccttc ccccttcccc caccccacac ccttcaccct 240

ctgtgtcctg gtccttctga gggccactgc agatgactct cctttgaaat gagaaaaaga 300
aaagaaagca agaacagaaa acgaagccac aggaagggaa gtagacattg tatgcttatg 360
gtttctcatt atgaaggtgc agcttgtagg aggtttgtac ggatgtgctt tgaagttatg 420
tatattacat ataacaggaa aaaatattaa aataaacagt gctggtaagt atgaagctga 480
cattctaaaa ttataattat ctgactgtga ttgatgtatc ctgaggttcc tagatcttac 540
tgaactggcc cagcttngga gacct 565

<210> 382
<211> 131
<212> DNA
<213> Homo sapiens

<400> 382
gtcgacccac gcgtccgccc acgcgtccgc ccacgcgtcc gcccacgcgt ccgaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aagggcggcc g 131

<210> 383
<211> 2026
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2026)
<223> n equals a,t,g, or c

<400> 383
gggcgcgcgg cctcgaggcc ttccggtgcg ggagaaacta ctactcccat aatgccccgc 60
ggtcccggag cttgccagtc tcgtcgcgag aagcagcggc ccggggcgac tgagcggaca 120
aacggaagtg taggttacgg tctgagacat caccgccaag ctgggcatcg gggagatggc 180
cgagactgac cccaagaccg tgcaggacct cacctcggtg gtgcagacac tcctgcagca 240
gatgcaagat aaatttcaga ccatgtctga ccagatcatt gggagaattg atgatatgag 300
tagtcgcatt gatgatctgg aaaagaatat cgcggacctc atgacacagg ctggggtgga 360
agaactggaa agtgaaaaca agatacctgc cacgcaaaag agttgaaggt tgctaataat 420
ttatactgga atctggcatt tttccaagcc aagagaagat cgaatggctt tttgcagcta 480
actactatgt gtagacaggt tttatattat aaagtatgca ttcttatcac ctagtatata 540
gttagtttgt agagtgattt ccccccagtt tcttgaacat ggtatcttca catcttggac 600
cttggtcagt tgtgctattc attattaaac actaaaactt tggcggttct tgcataacat 660
tgtcagattt tttagtgtat ttctgtgaag tcatttttct tcttgtcatt ccttttgtag 720
tagttgctgt ttggataaaa gttgatgtgt gatttttat taaacaaata gtaaaccctt 780
caattatagt tagtcttggt gaagtaagat gtttgtagac tttagagttc tttaattctt 840
ggcacaacgt gactgttgag ctaacaccaa atagtgtgtt ggcaatactt ttcaaatggc 900
tgaaaacacc taaaaattgt tcattcagaa atatctgtca ctgctctgtt gccaaaactc 960
agaatagaac ttagacgtat gtctgagtcc ctgagatcac atgctaaagt cgatgaaaag 1020
taaccactgc cactgtcttg tgtcagaact tttacagtac agaaaataac agaatagcct 1080
tctgtaatga ggcgtttgtt agagttttgc atgagattct aatacttcag taggacccta 1140
cctacgtggt tcatctacaa tggttaccat aaaaaatctg gcaggatttt aaaactcaat 1200
cagtctttcc tttgagctag tgacttgaaa agaaagagag aaggaaaaga gaccatatta 1260
agtccatgcc agttgcttgg ctagaatatg atcaacgact tgtagtagac tcaagttttt 1320
aaaaaacact attttactta aactgtttct tatctaaatt cttgcagagt gtcaatgtta 1380

tcattgatta tagaagacag ggataatacc tttatctctg gccactcaaa aatgcagtgc 1440
caggagtgct aaacctagag gccaatactg atgacctgga aggtgatcca tatgattgtc 1500
accacaaagt gcttttacac aaaaacttga aaatttgaaa aacatgattt ttttaagttt 1560
ctcatctcac cagtcttggt rtttatattg caaatctatc aaagtaagaa ataatttgtg 1620
ctgtatacaa attacatggg gaacataaag gagtgagatc cttctgtgat aaaatgaatt 1680
caccactctg gttacccaac tacagaacct cctttgatca ggccagtagg ttgtgatgca 1740
ggctggagcc cccgaatgcc ccacacacac tgcagcattg accagaccat ccgaaacctg 1800
cgtccctggt gatgttctca agcctcggaa gtggcaaatg gaaatgatat ggccggttgc 1860
ggttgtagga gagttgtgac ttaggcagga gtcgacctcc tcaagtaatg gaacgatttc 1920
aaaggcaggc tgccctgacc aaaaatatct gccatgaata aaggtgcctg aaatcctgct 1980
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaan 2026

<210> 384
<211> 1346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1342)
<223> n equals a,t,g, or c

<400> 384
tcgaccacgc gtccgcgcgc gcggcggcgg cgaggcgaag aaggaggagt gtgtgcggcg 60
gggccgcgcg ggtaaaggcg agaaggctgc aggagaccga gggggagccg ggccggtggg 120
gccgccgccg ccgccatgca ggaaatcatc gccagcgtgg accacatcaa gtttgacttg 180
gagatcgcgg tggagcagca gctgggggcg cagccmctkc cscrgcagac acagcctcca 240
gcaaagcana naaccccgca ggtcatcggg gtcatgcaga gtcaaaacag cagcgcgggc 300
aaccggggac cccggccact ggagcaggtc acctgttaca agtgtggcga gaaaggacac 360
tacgccaaca gatgcaccaa agggcacttg gcctttctca gtggacagtg acagcagctg 420
gagccagctc cgagcagccc gggggccccg ctgttgggag tgtgcattta actgtttcat 480
gcgcttgttg gcgcgactgt ggctcgagct ggcccgcaga cacgtgggtt tcatcactct 540
gaggggccac gtctgttagt ttcctatcat tttgccttag tatttttga aaaagggaca 600
tgtgtcctgt gggtccctgc agtcgacatc atgtttggct gggcatcgat gcctcctttc 660
tgggactccc ggcacaactc ccctcatcca gggagggagg cagctgctgg ggaggggctt 720
ggctaggtag ttctgtgtgg cggtggtcat tcccctcatt aaacaccagt tcttggtgac 780

gccaggggct ggtaggtcat tcaaagctgt ggccagctca cgcctgcttc ctccctccct 840
gccctgctga atcctaaagc tgtgcctata tctgtgattt gaatgaggga gccctttggg 900
gcaaattcag gtgcccccat tgcctcaggc tggccctggt cccaggtggc agcggttgag 960
gaggggtaca gggctctcaa gcctgaggtt ttcttctctg ggcttaattt tctcttgggg 1020
tacgtgcctg acagtgttta aggtgtccgt tgaactggag ttgcagactt ttaaatagat 1080
gacccccttca gatcatctgt gcctacctcc tgcccatcag gcgtctacac tgtcactcag 1140
acacctgtgg catgtggagg agactgccct gtcctgagcc tggaaaatgt gaaactgtct 1200
cctgcaacct gctgggcatg tgggcctggc tgtgttcaat tgcaagaaca atttttatga 1260
aatggattaa agcttgtttt ttaaaaaaaa aaaaaaaaaa ytcgggggggg gscccgtacc 1320
cattggccct tggnggggggg tnttaa 1346

<210> 385
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (637)
<223> n equals a,t,g, or c

<400> 385
gcccacgcgt tcgcccacgc gtccgcccac gcgtccgaat ttcacgtttt tatgtaagca 60
tgaaacacag gcagtatgag agaaagcaag gcccgtcatg ctgtccgtac actacgtatg 120
ctgtagagcc attttgtatg ttgtgtaaaa caaaaagcat tgatgaaaaa gcaaaaggtg 180
atgtatgtat atgagaaaat taattgtacg atatcattcc agtacgtttt gttgtacatt 240
ttagtcttgt ttactttctc ttcattgtta agaggatgcg aactgtacag tttccagcta 300
gttacccata ttagagaaga aataagagag tattagaaga aaacaggaga gaaagaacat 360
ttgtgaattg cagttgtcaa aaaaaaaaaa tagcctagct ggccttattt gtgaagcata 420
attgctttta gcatatggaa gtatttttttc acattttctt tgtataaaat ttgtattaaa 480
cttaaatatc tttttgatgg tggtgtttct ttgtgactga gccagtagac tcacactata 540
tgctttttttg ggtttgcccg ttccttcccc caccccccca gtttttttcag atttytttac 600
ctttttttaa ttaaactgtt ttggaaaaaa aaaaaan 637

<210> 386
<211> 862
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (723)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (760)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (780)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (809)
<223> n equals a,t,g, or c

<400> 386
ggggcagttg ccgcggcgcg cgcgatccgg ctgacgcatc tggccccggt tccccaagac 60
cagagcgggg ccgggaggga gggggaagag gcgagagcgc ggagggcgcg cgtgcgcatt 120
ggcgcgggga ggagcaggga tcttggcagc gggcgaggag gctgcgagcg agccgcgaac 180
cgagcgggcg gcgggcgcgc gcaccatggg ggagaaaccc gggaccagct caccgtgtac 240
ttgggcaagc gggacttcgt agatcacctg gacaaagtgg accctgtaga tggcgtggtg 300
cttgtggacc ctgactacct gaaggaccgc aaagtgtttg tgaccctcac ctgcgccttc 360
cgctatggcc gtgaagacct ggatgtgctg ggcttgtcct tccgcaaaga cctgttcatc 420
gccacctacc aggccttccc cccggtgccc aacccacccc ggccccccac ccgcctgcar 480
gaccggctgc tgaggaagct gggccagcat gcccamccct tcttcttcac catacccag 540
aatcttccat gctccgtcac actgcagcca ggcccagagg atacaggaaa ggcctgcggs 600
gtrgactttg agwtcgagcc ttctgtrcta aatcactaga agagaaaagc cacaaaagga 660
actctgtgcg gctggtgatc cgaaagtgca ttcgccccgg agaaaaccgg gccccagctt 720
tanccgaaaa caaaaggcat tccttcatgt ctgaacggtn cctggaactt cgaaggtttn 780
ccttggaaaa aggagctgta cttaccatng gggagcccct tcaatggtaa aatgttccaa 840
gttaaccaaa aaaatttcaa cc 862

<210> 387
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<400> 387
gctgcaaaca aaaagaatga agctcgactg agaattgtaa aaactcttga agacattgat 60
ctgggcccta ctgaaaaatg tgtgagagtc aactcagttt ccagtggtct ggcggaagaa 120
gacctagaga ccctttttgca atcccgggtc cttccttcca gcctgatgct accaaaggtg 180
gaaagtcctg aagaaatcca gtggtttgca gacaaatttt cattccactt aaaaggccga 240
aaacttgaac aaccaatgaa tttaatccct tttgtggaaa ctgcaatggg tttgctcaat 300

tttaaggcag tgtgtgaaga aaccctgaag gtcgggcctc aagtaggtct ctttctagat 360
gcagtcgttt ttggnaggag aagactttcg agccagcata ggtgcaacaa gtagtaaaga 420
aaccctggga tattctytac gcccggcaaa agwttkttgt catagcgaaa cctnttgggt 480
ctccaagccg tagatctggg tgtacattga ctttcgagat gggagctggg gcttgcttag 540
gacagttcac ggaggaaggg agccgccatg ggnttttcac tgggt 585

<210> 388
<211> 591
<212> DNA
<213> Homo sapiens

<400> 388
gtgatctgca tgtggcaggg ctgcgcagtg gagcggccag tgggcaggat gacgagccag 60
acccctctgc cccagtcccc ccggcccagg cggccgacga tgtctactgt tgtggagctg 120
aacgtcgggg gtgagttcca caccaccacc ctgggtaccc tgaggaagtt tccgggctca 180
aagctggcag agatgttctc tagcttagcc aaggcctcca cggacgcgga gggccgcttc 240
ttcatcgacc gccccagcac ctatttcaga cccatcctgg actacctgcg cactgggcaa 300
gtgcccacac agcacatccc tgaagtgtac cgtgaggctc agttctacga aatcaagcct 360
ttggtcaagc tgctggagga catgccacag atctttggtg agcaggtgtc tcggaagcag 420
tttttgctgc aagtgccggg ctacagcgag aacctggagc tcatggtgcg cctggcacgt 480
gcagaagcca taacagcacg gaaktccagc gtgyttgtgt gcctggtkga aactgaggag 540
caggatgcat attattcaga ggtcctgtgt ttttcttgca ggataagaag g 591

<210> 389
<211> 1096
<212> DNA
<213> Homo sapiens

<400> 389
ggcagagcaa gatgggggct taccacacca tcgagctgga gcccaaccgc cagttcaccc 60
tggccaagaa gcagtgggat agtgtggtac tggagcgcat cgagcaggcc tgtracccag 120
cctggagcgc tgatgtggcg gctgtggtca tgcaggaagg cctcgcccat atctgcttag 180
tcactcccag catgaccctc actcgggcca aggtggaggt gaacatccct aggaaaagga 240
aaggcaattg ctctcagcat gaccgggcct tggagcggtt ctatgaacag gtggtccagg 300
ctatccagcg ccacatacac tttgatgttg taaagtgcat cctggtggcc agcccaggat 360
ttgtgaggga gcagttctgc gactacatgt ttcaacaagc agtgaagacc gacaacaaac 420
tgctcctgga aaaccggtcc aaatttcttc aggtacatgc ctcctccgga cacaagtact 480
ccctgaaaga ggccctttgt gaccctactg tggctagccg cctttcagac actaaagctg 540
ctggggaagt caaagccttg gatgacttct ataaaatgtt acagcatgaa ccggatcgag 600
ctttctatgg actcaagcag gtggagaagg ccaatgaagc catggcaatt gacacattgc 660
tcatcagcga tgagctcttc aggcatcagg atgtagccac acggagccgg tatgtgaggc 720
tggtggacag tgtgaaagag aatgcaggca ccgttaggat attctctagt cttcacgttt 780
ctggggaaca gctcagccag ttgactgggg tagctgccat tctccgcttc cctgttcccg 840
aactttctga ccaagagggt gattccagtt ctgaagagga ttaatgattg aaacttaaaa 900
ttgagacaat cttgtgtttc ctaaactgtt acagtacatt tctcagcatc cttgtgacag 960
aaagctgcaa gaakggcact ttttgattca tacagggatt tcttatgtct ttggctacac 1020
tagatatttt gtgattggca agacatgtat ttaaacaata aactaaaagg aaataatcwm 1080
mamrtaaaaa aaatgc 1096

<210> 390
<211> 448

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<400> 390
tcggaggacg cgaaccggca cgctgcgcct ttaaggagtc cggctgggct gggcgccgga 60
gctgggagcc gcgcgngtag gagcccggcg cagggtccca gcccggggct agagaccgag 120
ggccggggtc cnggcccggc ggcgggaccc aggcggttga ggctggtcag gagtcagcca 180
gcctgaaaga gcaggatgga tcttgatgtg gttaacatgt ttgtgattgc gggcggcacg 240
tggccatccc aatcctggca tttgtggctt catttcttct gtggccttca gcactgataa 300
gaatctatta ttggtactgg cggaggacat tgggcatgca agtccgctat gttcaccatg 360
aagactatca gttctgttat tccttccggg gcangcctgg gcamaaamcc tccatcctca 420
tgctccacgg attctctttnc cacaagnt 448

<210> 391
<211> 1451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1440)
<223> n equals a,t,g, or c

<400> 391
gtcgacccac gcgtccnncc acggtccggt ggggagaagc cgggaggact gggtgcgcct 60
gcagggatcg gaagccggtt ggggtgtgag aggttttctc gctctaggga gattcttcaa 120
gcaatcacta tgtcaacaga cacaggtgtt tcccttcctt catatgagga agatcaggga 180
tcaaaactca ttcgaaaagc taaagaggca ccattcgtac ccgttggaat agcgggtttt 240
gcagcaattg ttgcatatgg attatataaa ctgaagagca ggggaaatac taaaatgtcc 300
attcatctga tccacatgcg tgtggcagcc caaggctttg ttgtaggagc aatgactgtt 360
ggtatgggct attccatgta tcgggaattc tgggcaaaac ctaagcctta gaagaagaga 420
tgctgtcttg gtcttgttgg aggagcttgc tttagttaga tgtcttatta ttaaagttac 480
ctattattgt tggaaataaa ctaatttgta tgggtttaga tggtaacatg gcattttgaa 540
tattggcttc ctttcttgca ggcttgattt gcttggtgac cgaattacta gtgactagtt 600
tactaactag gtcattcaag gaagtcaagt taacttaaac atgtcaccta aatgcacttg 660
atggtgttga aatgtccacc ttcttaaatt tttaagatga acttagttct aaagaagata 720
acaggccaat cctgaaggta ctccctgttt gctgcagaat gtcagatatt ttggatgttg 780
cataagagtc ctatttgccc cagttaattc aacttttgtc tgcctgtttt gtggactggc 840
tggctctgtt agaactctgt ccaaaaagtg catggaatat aacttgtaaa gcttcccaca 900
attgacaata tatatgcatg tgtttaaacc aaatccagaa agcttaaaca atagagctgc 960
ataatagtat ttattaaaga atcacaactg taaacatgag aataacttaa ggattctagt 1020
ttagtttttt gtaattgcaa attatatttt tgctgctgat atattagaat aatttttaaa 1080
tgtcatcttg aaatagaaat atgtatttta agcactcacg caaaggtaaa tgaacacgtt 1140
ttaaatgtgt gtgttgctaa ttttttccat aagaattgta aacattgaac tgaacaaatt 1200
acctataatg gatttggtta atgacttatg agcaagctgg tttggccaga cagtataccc 1260
aaacttttat ataatataca gaaggctatc acacttgtga aattctcttg tctaatctga 1320
atttgcattc catggtgtta acatggtata tgtattgtta ttaaagtaag tgacccatgt 1380
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaana aaaaaaaaan 1440
aaaaaaaaaa a 1451

<210> 392
<211> 1425
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (1332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1381)
<223> n equals a,t,g, or c

<400> 392
agttaataag taaaagctac taacaattaa aaaataaata aataaagnca agactgtctg 60
gaaaatggct ctcctaaaag gaccagttgc catcatccac agtggaagat tcaaagcagt 120
tggtccttgg tacgtatgag aagcggattt cattcccttg aattctacag agcagtttat 180
tagagtgaat gcattttaag gccttgcatt tgatatgtca tccagttcat aatcaagttg 240
ccttttttctg gctaaaacat aatgattatg tatttttctc atttggtcct acaagctgct 300
ggccctttgt ccctccactg tgggaatcag atctagagca ggctgagcct gcagacacag 360
cagtggccaa aaggtcactc taagtgtttt gtcttgactc cttacttgaa gtccacccag 420
ctagcacaca tctggtttat actgaagccc cctgcctaga aatactcatt tcaggaacca 480
ccagtaagca tctgtgacca cacaggcttt ttgactgatg gcttcccgga tctggtttca 540
agggataacc ccgtctgtgt gcatctatgg tcttctctct acagcgagga ctttgcagtg 600
ctgcttgtgg tccacacaag gggctcagag ctgagtctga actgcttcat ggtcaccagc 660
tcctgtccct tccagtcttg agaggctttt ttctccagat ggaacctttc cttcccgccg 720
ttttctcggt ctctggctgt ttttctcttg tgcccgtcta attggacacc tcctggcttc 780
catctctgtg gttctcctgc ctcacttcct gttctgttgt ttttccgttt tgtcaaaata 840
tctcctatgt tcttggcttc cttttcktcg ccaggttttc agctttcctt tagctcttct 900
tctaatatgg cttctgccca caaaagcctg ctctgtcagg atctcatggt tctccacttg 960
ccagaacctt cttcagcctc agttcctcgg cctcaacttg tacgtttaac ccattgacca 1020
ccamccccca aattcacctt catttctttg accctgctcc tcactccttt tctgttgarg 1080
aatctgttga ctaactccag gctcactcag gctcaccgtc ctgctctctg caccagcctt 1140
tccagagcgt gccagttctc atggcttcat ctgttaactg tkgatcgctt cagtcctgat 1200
ttttagacct aaatggtttc cttaacgcca ttctaactgc ctgtgactca ttttcactta 1260
cagtgtttat tgtaacgcca aaccaacaaa tcacaggtgc ttgcttctct ccataaatct 1320
caacagtcta antttttgtc attcaacatg actcgtttat ccaacctgaa atcgcatata 1380
nccgcaaata tggtgttagg gacttccgta gaagttccct tagat 1425

<210> 393
<211> 4755
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2562)
<223> n equals a,t,g, or c

<400> 393
agcggcggcc agtggaacca catgcttggc tacctggcgg cgctggccaa ggcctgcttc 60

ggcggcaaca tcgagctctt cgtcttcttc aacggcgcgc tcgagaaagg cccggctgca 120
cgantgggtc aagcggcagg gcaacgagcg ccaracggca cagcagatcg tmagccatgt 180
ccagaacaag ggcaccccgc cgccaaaggt ctggttcctg ccgcccgtyt gcatggccca 240
ctgcatccgc ctggcgctca tccgcttcca cgtcaaggtt gcacagagca ttgaggatca 300
ccatcaggaa gtgattggtt tctgcagaga gaatggtttc catggcttgg ttgcgtatga 360
ctctgattat gcactgtgca acatccccta ctatttcagt gcccatgccc taaaactgag 420
ccggaacggg aaaagtctca ccacaagcca atatctgatg catgaagttg ccaagcaact 480
ggacctgaat ccaaatcgtt ttcctatttt tgctgctctc ttaggaaatc acattctgcc 540
tgatgaagat ctggcttcct ttcattggag tttacttggt ccasaacatc cactagcctc 600
actaaaggtc cgggcccacc agctggtctt gccaccttgc gacgtagtga tcaaagccgt 660
tgmtgactat gkacgcaaca ttyaggacac ctctgacttg gatgccatag ctaaagatgt 720
tttccagcat tcacagtcta gaacagatga caaagttatt cgatttaaga gagcaattgg 780
atattattca gcgactagta agcctatgtc atttcatcca ccacattact tagcagccag 840
acccggtccg tttggaatgc ctgggatggt gccgccgcat gttcctcctc agatgctcaa 900
cattccgcag acctctctgc aagcaaagcc cgtggcccca caggtgccca gcccaggggg 960
gcgcccgggc cagggtccat acccgtacag cctctctgag ccagcacctc tcactttgga 1020
cacgagcggg aagaatctga cggagcagaa cagctacagc aacattcctc acgaaggaag 1080
cacacgccgc tgtatgagcg gtcctcgccc atcaacccgg cccagagcgg caccccaacc 1140
acgtggattc cgcctrcttc cctggctctt ctacatcgtc atcttccgac aacgacgagg 1200
gcagcggagg ggcgacaaac catatcagcg ggaacaagat tggctgggag aagacgggaa 1260
gccactcaga gcctcaggca cgaggagacc caggagacca aacaaaggca gaaggctcgt 1320
ccactgcctc ttcaggaagc caactagccg aagcaaggga agccagatgg gcactgtcca 1380
gccaatcccg tgcctcctgt cgatgcccac caggaaccac atggacatca ccacacctcc 1440
cctgcccccc gtcgcacctg aggtgctgag agtggccgag cacaggcaca agaaggggct 1500
gatgtacccc tacatcttcc atgtcctgac gaagggtgaa atcaaaattg ctgtttctat 1560
tgaagatgaa gccaacaagg acctgcctcc ggccgctctg ctctataggc cagttcgtca 1620
gtatgtttac ggagtcctgt ttagtttggc agaaagcaga aagaaaactg agagacttgc 1680
ttttagaaag aacagacttc caccagaatt ttcaccagtg atcattaaag aatgggcagc 1740
ttacaaagga aagtctcctc aaaccccgga actggttgaa gctcttgcct tcagggagtg 1800
gacctgcccc aacctgaaga ggctgtggtt gggtaaggcg gtagaggaca agaaccgcag 1860
atgagggcct tcctggcctg catgaggtcg gacaccccag ccatgctcaa ccctgccaac 1920
gtgcccactc acctcatggt gctctgctgc gtcttacggt acatggtgca gtggccggga 1980
gcacgcatcc ttcggcgtca ggagctagat gccttcctgg ctcaggcgct gtcccccaaa 2040
ctctacgagc ctgatcagct ccaggagctc aagattgaga acctagatcc ccgaggaatt 2100
cagctatcag ctctcttcat gagtggagta gacatggcct tgtttgcaaa tgatgcatgc 2160
ggacagccaa tcccctggga acactgttgt ccttggatgt attttgatgg gaagctcttc 2220
caatccaaac tcctcaaagc cagccgggaa aagaccccac tcattgacct ctgtgatggt 2280
caggctgatc aggctgccaa ggtagagaag atgcgccaga gcgtcctcga ggggctcagc 2340
ttctccaggc agagccacac gctccctttc ccgccgccac ctgccctgcc cttctaccct 2400
gcctctgcgt acccccggca ctttgggcct gtcccaccct ctcagggcag gggcagaggc 2460
tttgcaggcg tctgtggctt tggaggcccc tatggggaaa cggtagcaac aggcccttac 2520
cgtgccttcc gtgtggcggc agcatcggga cactgcggag cnttctcagg cagtgacagc 2580
agcaggacta gcaagtccca gggcggagtc caacctatac cttctcaggg aggcaaacta 2640
gaaatagctg gcactgtggt tggccattgg gctgggagca ggcggggccg tgggggccgg 2700
gggcctttcc ccctgcaggt ggtttctgtc ggaggaccag ctagagggcg tccaagagga 2760
gttatttcca ccccagtgat tagaacattt ggaagaggtg gaaggtacta tggcagaggt 2820
tacaaaaacc aggcagcaat tcagggcaga cctccttatg ctgcttcagc agaagaagtg 2880
gccaaagaac ttaagtcaaa atctggggaa tcgaagtcct ctgctatgtc ttcagacggg 2940
tccctggctg aaaacggagt gatggccgag gagaagccgg ctccccagat gaacgggagc 3000
acgggtgacg ccagggcccc cagccactct gaaagtgcct tgaataatga ctctaaaacg 3060
tgcaatacaa atcctcattt aaatgcacta agtacagaca gcgcttgccg cagagaagct 3120

gctctggagg cagctgtctt aaataaagaa gagtaaactt atttttttata gagggtgaag 3180
gatgctggaa gggtaaggat ttaggaatat ctggagagaa agagagcctg cagttatgta 3240
cattttgtcc tttccgtaag agaaaaatga ggactttgga aattcagatc cctctttgat 3300
atcagagatt taaacaacac atttttagtt ttaaccagtt gtagtcaaaa tgctacaata 3360
aaacaaaaaa gagaaagaaa atgaagagca tttgactccc gcacttaaaa tgaagtacac 3420
ataaagttta aactggttat gacaaaagcc tatagttgtg tttcttgaac tataaagaaa 3480
acaaattttg gcagtcttta agtatatata gcttaaaata taatttttag catttggcac 3540
catatgtatg ccattatatt tgattttgca ttactgtttc acaatgaagc tttctttaag 3600
gctttgattt ttatgattat gaaagaaata aggcacaacc acagtttttc tttcttaaat 3660
ttcatcactg ttgatgtggt tcttttgtgt taaaaaaaaa aagtgcaact atcaaaacta 3720
aaaaattata gagtaatatt gccgttctgc tgattttaaa tatacaatac atcatacata 3780
ctttacaagc aagttaaatg gagataaagt tgaaatcata gaagatgcaa atgacctttc 3840
aaaatcaaca caatgtgttc tgaaactttc gtgactaata ccatgcatct gtgatcaatg 3900
aactatgtgg ttttgaatcg gatgtagacc attagtacta ctacttgagc taaacttctg 3960
catggttcat aatttttaaa gtgtgtagtt aatatgcatg ttatcgtcct ttcttccatt 4020
cttaacagta tgtgcccatt tgcaaaacaa aaatgctaat aatcagtaat agtcctataa 4080
aagatgttaa ctctgtttag tcattgactg atcttgctct aaccttaaaa ttttgtgatt 4140
attgacctct gttgcattta ttctaaagcc ccccaaaaat tatctagccg tttcgaatat 4200
caacattacc ctggtgtatt cactgctgta tgcattattg ttctttgttg ctgttttatg 4260
ccttcatatt agcaaatatg aaattctgtg aaaaaaaacc ctttgatctt aaaaaaaaaa 4320
aaaccacccc ccccttctgt agcaggaaac aaattgcttg ttcttgagaa ctttcccatc 4380
aagaatttag tagaagcagg tatacttcta tcattttgat gtttttgtta atgtttccaa 4440
acaatgtact ttgaaatcag aatcacttct tatcgttttc atatacttct gatgctcttc 4500
atcacattag tgatcagaaa tgaggtgtaa ttccccaacc cctgcccgca agagctaagt 4560
aggatcttac tgtaagttga agggagtttt gccctaactc atggattgtg caagaatgaa 4620
ctgctgttgg gtttgattga ctgtcgatgg attgtggtgt ggtgtatctg aaggctattg 4680
aatgcaactt acaatgctta ataaaaatct ttattctttt agtataaaaa aaaaaaaaaa 4740
aaaaaaaaaa aaaaa 4755

<210> 394
<211> 3039
<212> DNA
<213> Homo sapiens

<400> 394
aaaccggaaa gtttgtagga aaattgctgc acatggcctt tgcagaaaag agagccttca 60
aaacctctta cattccagta gaaaactctc tctgcaagtc cttaactttg ttcactcatt 120
ccaggaaggt gcttcaatat tggatattca cacagagccc agtttttcaa gtttgctttc 180
acagtcatcg tatgctgaca tgggtgttcc acttcctgca aaaaacttaa tatttaaaga 240
tggtgtctta tcagaatgga gtggacggtc accttcctca cttcttattg ctaatctcca 300
tttgcaataa tttggttaca ccatttgttg ctcacacttt ctgccttttt tctttcttaa 360
cgttagcttt atagtgtcag ccactaaaaa gcatcctgct gctgcagtgc aattcttgct 420
taactaatat taaaagttgg ggaacatatt catgttttct gaagttttgc tcattattgc 480
acatcttatt gcgacaaagt gctttttagc agccagcact gtatttttta ccttgagaca 540
atctgcattt cttttataaa actaagtata tactttatag gctttatgat gactgttatg 600
tttataagca gtcactatga aaattgcaat ggtaatttta tatgttagtt tatcaaacat 660
aaatcttgtt taattttata ttttgttacc tatactttgg gggatcaagg gaagagatgg 720
aactcttcct ctgaaaaggc ttcttggtac ttaaagtagt aaaactataa aacaataaac 780
atccagtatt gagagatgat atgatagggc attatgaatt cctatgggtg tctgtaaatt 840
atgtatgtca gttggacatt gtagaaggta tgtaaatcag catagttgtg tataacttaa 900
ccttgattta taaggtctta agattatgac tattcattga catctcatga gaagctttag 960

aagactttct atttttaaac accatttata tgtggacttc tgttgtcact gactttgggc 1020
tttatatttt catagagtct ttatggaaaa aatagaattt attttccact cttgtagcta 1080
tagctgctgc acactttcac cctgatttat ttttttgttt cttagctttg atgttttcaa 1140
accaaggatt gtgattttag gttagaatta catattagaa gcattaagac tatgtctttg 1200
gatcagaatg ctttagtgat aaacctactt tgaagacata ctcttaagca atctggatct 1260
taaatttatg tgaaacactt tttagaaaat gataaagaaa aatggaatta cttcaaagtg 1320
tttcttgagt cattgattct tttagcatct caaatgttaa ttagaataat tggaatcact 1380
ttttagactt ttcaagttac cttccttggg aagtttgtgc agtgttatag tttagtttag 1440
ctcctcttac agggtaatgg tttgctagtt taaaactgta accaaacgaa ctggtcagac 1500
aacatatatc taaaacactt aaaatgttag gaagtttggg aatgttataa cctaaacgtt 1560
tttgctggta acttttttgtt atttatagat atttgtgtat ttaacataca tacttcagga 1620
aatatatgcc tttcctaaaa cttaaccatg cattcaatac catggcctat ctatagaatt 1680
gaatattttg gaccatgtta tctgtggcac agtcagtgct gtgtttgagg taaatgcagt 1740
aacggttagt tttctacttt gtcttataga aggtagaaac catgtgtatg ttatgtttgt 1800
ctataaaaga aaaaatacta atattaaata atttcttacg actctgagtc actcacttat 1860
ttttccaata attgatattg tacattccta gtgccattag gtatgtatgt atgtaacttt 1920
tacagttttt cagctgaaag ttgtaagtat tttttttttt tgatcggggc tctttaatct 1980
cattttaatt tcctttgttt gaactgtagt tatttattcc tatattaacc atctaaacca 2040
actgtaatga catgtacact aatacagaat tgaacatttg tagttgttgg cagtgaaccc 2100
agttgttggt gaatttaaag cttaaaatat gggaatgatt tgctgctata tttcctttga 2160
gagagaaagg aggaagaaat agaacctaat agtgatcatg aattttaggg aaagtaccga 2220
agaaccatgg ggtcccctct ggtttcttgt gttgaatgag gcaagggtaa tcatctgatt 2280
ccgagctgaa gacctctggt cctcttaagg agggagagtg catttttaga gcttttagca 2340
aaatgtgaaa agctgatgtt tgcgccttgc tttgtgaatt tggctttgtt ttacttatac 2400
attaactcat gtaatctctt aaatcttaca agcattgatc catttcaaca aaaaggtaaa 2460
tttaaaatgc agactttgtt atttgccaaa gaagattcat gaaaaattta cgtccaatta 2520
ttttgcaaat agttaatttc atttggcttt ttaccatgtt ccttcctttc tttttcccgc 2580
ttccttaatg taatttaaac cctggcaaac attctttaga aaccaagagg aaagaaagaa 2640
caaatatcaa aaaagacata gaatttaata ttgatacaat ttcacctcta aaatggattt 2700
gaagaaatgc aactttatat caaaaaatgt catctgattt cctttgtttc ttttttaaat 2760
tatgtaatca gatgatttta tgttttttttt tcaggggagc ggaatattgg tttctttttac 2820
ttgttgtttt cagttttctc tgccattcak gtttcttttt tgtgttcagt gtttcaaata 2880
caatttgtat ttaaggattt taaaatacca aactgtaact gagtacagtg gatcgtwttc 2940
tgttaggatg ttaatattat acaatgaaat ctataaagtg wtgtcaatww gattattgac 3000
acatataaca tgtwtacaaa taaamtgtgg tawtgatca 3039

<210> 395
<211> 3276
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3270)
<223> n equals a,t,g, or c

<400> 395
aaaggatgaa gaggaagagc ctcccagcat gactcagcta cttcgaagag wagrgctgtc 60
ttgccacaga cccggtatgt ggagtgttca ttgtcgtagc aaggaarggt rtgacatgat 120
gggaagaaat cagactgctg tgagagaaga gatgwttctc ctggcaaact acttggatag 180
tatgtatatk atgttaaata ttcgaattgt gctagttgga ctggagattt ggaccaatgg 240
aaacctgatc aacatagttg ggggtgctgg tgatgtgctg gggaactkcg tgcagtggcg 300
ggaaaagttt cttatcacac gtcggagaca tgacagtgca cagctagttc taaagaaagg 360
ttttggtgga actgcaggaa tggcatttgt gggaacagtg tgttcaagga gccacgcagg 420
cgggattaat gtgtttggac aaatcactgt ggagacattt gcttccattg ttgctcatga 480
attgggtcat aatcttggaa tgaatcacga tgatgggaga gattgttcct gtggagcaaa 540
gagctgcatc atgaattcag gagcatcggg ttccagaaac tttagcagtt gcagtgcaga 600
ggactttgag aagttaactt taaataaagg aggaaactgc cttcttaata ttccaaagcc 660
tgatgaagcc tatagtgctc cctcctgtgg taataagttg gtggacgctg gggaagagtg 720
tgactgtggt actccaaagg aatgtgaatt ggacccttgc tgcgaaggaa gtacctgtaa 780
gcttaaatca tttgctgagt gtgcatatgg tgactgttgt aaagactgtc ggttccttcc 840
aggaggtact ttatgccgag gaaaaaccag tgagtgtgat gttccagagt actgcaatgg 900
ttcttctcag ttctgtcagc cagatgtttt tattcagaat ggatatcctt gccaraataa 960
caaagcctat tgctacaacg gcatgtgcca gtattatgat gctcaatgtc aagtcatctt 1020
tkgctcaaaa gccaaggctg cccccaaaga ttgtttcatt gaagtgaaty ctaaaggtga 1080
cagatttggc aattgtggtt tctctggcaa tgaatacaag aagtgtgcca ctgggaatgc 1140
tttgtgtgga aagcttcagt gtgagaatgt acaagagata cctgtatttg gaattgtgcc 1200
tgctattatt caaacgccta gtcgaggcac caaatgttgg ggtgtggatt tccagctagg 1260
atcagatgtt ccagatcctg ggatggttaa cgaaggcaca aaatgtggtg ctggaaagat 1320
ctgtagaaac ttccagtgtg tagatgcttc tgttctgaat tatgactgtg atgttcagaa 1380
aaagtgtcat ggacatgggg tatgtaatag caataagaat tgtcactgtg aaaatggctg 1440
ggctccccca aattgtgaga ctaaaggata cggaggaagt gtggacagtg gacctacata 1500
caatgaaatg aatactgcat tgagggacgg acttctggtc ttcttcttcc taattgttcc 1560
ccttattgtc tgtgctattt ttatcttcat caagagggat caactgtgga gaagctactt 1620
cagaaagaag agatcacaaa catatgagtc agatggcaaa aatcaagcaa acccttctag 1680
acagccgggg agtgttcctc gacatgtttc tccagtgaca cctcccagag aagttcctat 1740
atatgcaaac agatttgcag taccaaccta tgcagccaag caacctcagc agttcccatc 1800
aaggccacct ccaccacaac cgaaagtatc atctcaggga aacttaattc ctgcccgtcc 1860
tgctcctgca cctcctttat atagttccct cacttgattt ttttaacctt ctttttgcaa 1920
atgtcttcag ggaactgagc taatactttt ttttttcttt gatgttttct tgaaaagcct 1980
ttctgttgca actatgaatg aaaacaaaac accacaaaac agacttcact aacacagaaa 2040
aacagaaact gagtgtgaga gttgtgaaat acaaggaaat gcagtaaagc cagggaattt 2100

acaataacat ttccgtttcc atcattgaat aagtcttatt cagtcatcgg tgaggttaat 2160
gcactaatca tggatttttt gaacatgtta ttgcagtgat tctcaaatta actgtattgg 2220
tgtaagattt ttgtcattaa gtgtttaagt gttattctga attttctacc ttagttatca 2280
ttaatgtagt tcctcattga acatgtgata atctaatacc tgtgaaaact gactaatcag 2340
ctgccaataa tatctaatat ttttcatcat gcacgaatta ataatcatca tactctagaa 2400
tcttgtctgt cactcactac atgaataagc aaatattgtc ttcaaaagaa tgcacaagaa 2460
ccacaattaa gatgtcatat tattttgaaa gtacaaaata tactaaaaga gtgtgtgtgt 2520
attcacgcag ttactcgctt ccatttttat gacctttcaa ctataggtaa taactcttag 2580
agaaattaat ttaatattag aatttctatt atgaatcatg tgaaagcatg acattcgttc 2640
acaatagcac tattttaaat aaattataag ctttaaggta cgaagtattt aatagatcta 2700
atcaaatatg ttgattcatg gctataataa agcaggagca attataaaat cttcaatcaa 2760
ttgaactttt acaaaaccac ttgagaattt catgagcact ttaaaatctg aactttcaaa 2820
gcttgctatt aaatcattta gaatgtttac atttactaag gtgtgctggg tcatgtaaaa 2880
tattagacac taatattttc atagaaatta ggctggagaa agaaggaaga aatggttttc 2940
ttaaatacct acaaaaaagt tactgtggta tctatgagtt atcatcttag ctgtgttaaa 3000
aatgaatttt tactatggca gatatggtat ggatcgtaaa attttaagca ctaaaaattt 3060
tttcataacc tttcataata aagtttaata taggtttat taactgaatt tcattagttt 3120
tttaaaagtg tttttggttt gtgtatatat acatatacaa atacaacatt tacaataaat 3180
aaaatacttg aaattctmaa aaaaaaaaaa aaaggggggg ccgttttaaa gggacccagg 3240
tttacgaccc cggctgcnan gnnaaacctn ttttat 3276

<210> 396
<211> 1632
<212> DNA
<213> Homo sapiens

<400> 396
ggcagagtgg aagaggggcc ttatgtgaat gattgccaca tactgtttct gttgctgctt 60
tttttccgat tccttttttgt cattggattt gtttgttttg tcatgtggtg aatggtgttt 120
tagttattgt gttgctgcca gaatcagaat ccagttcttg ttcttactgc cttatagtta 180
ttgtgttgcc accagaatca gaatccagtt cttgttcata ctgccttgta gtgagggcag 240
tttaatatct acaaagaagc ttttagaagc tgaaaaagtc aatgtgattg tgcattctgc 300
ttttaagaag ctgtttcagc tatgaactgt gtatgtgcta taagtgtgag gtaccataag 360
ttatttaatt tttaaaagag gaaactcctg agtgagctgt ttaagaaatc tgagtgtgat 420
ctattgttac gttatttata actaggtaaa atgtctgtcg tgatagattt cttttaacgt 480
tcagatactg tggttgggtt gtctatattt aatatgcaga tttgcctgct ggaatcataa 540
tccatttta agtgaatgta agaaatgaaa actactgcat ttgtgtcttt tgaaggcaag 600
gatccttgga ttttaaagga agagtatgtg ctttgaaggc actcagagac tagtaatagc 660
atatggtttg aagggaaacc cattctcttt caattacaag agagcatcac ttagcgtgca 720
gtacttctgt tacagcatcc gatgtgtcct ttattttaaa ttgtaaccat aacagccatt 780
aatggcttta tttcttgtat tgctctcatc tgggaaaagt ctctacttct tcaaacgtaa 840
cataaatcta ttatgaagct tgtcccctag tatgccatta taaagaaaaa attcttcgat 900
ggtatgcagt gtatctattc tgtttgtaaa agatcatgtc aaaatgttct gcctctataa 960
tgataataga tggttttgtc tttcaggata tttatccacc tactgtcttc tttgccttaa 1020
agggacactt ggccatcatt tttaggctcg aacttaacac tgttaagaaa taactgaaat 1080
atgatggtat ttacattaat ttttgaaatt caatggtggg atagaattag gtcaggaaat 1140
ggaagttgtt ccaatggtgt gagaactagg agacaagatg attcacttta ttatttaaac 1200
caagcttcat ttttagtttt tgttgtttaa atggactgga aagttaagtt tttgcaggga 1260
ttgttttgaa ataaagagat atgctaactc acagatgaac tttgttaaga ccccttttatt 1320
tttatataaa gtctaatatt tgaaaagcga ttgttataaa gtaaaattct ctcttcctat 1380
tctaatatat atcatatatt tcaggcttct atttgaaaac aggtataaga gatgatatga 1440

tacaacccta tagataatgt tttttgcttg attgacttat ataatcactg tttcatgatt 1500
actgcttttg gaataatagg aagttttgtg aaatgctggc cttgtgtata tcttagaatg 1560
caaatttaat aaagtgtgta tacatgcata aaaaaaaaaa aaacctcggc cgcgaccacg 1620
ctaagccgaa tt 1632

<210> 397
<211> 808
<212> DNA
<213> Homo sapiens

<400> 397
gaacaaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg atcccccggg 60
ctgcaggaat tcggcacgag gtgtcatgaa tagaaacttc caaatgtaac catggaagct 120
aagtttggcc tgctttgctt tttagtctcc acaccatggg cagaactgct gtctttacta 180
cttcatctca cccaagtccc gttcccaggc agccaggggc ctgggtttga ataattgcag 240
ggccagcctg ccatgatctt tctcacttac tcctctccca ttcagcaatc aaccagacta 300
aggagttttg atccctagtg attacagccc tgaagaaaat taaatctgaa ttaattttac 360
atggccttcg tgatctttct gctgttctta ctttttcgaa tgtagttggg gggtgggagg 420
gacaggttat ggtatttaaa gagaataaac attttgcaca tacatgtatt gtacaacagt 480
aagatcctct gttaaaacca gctgtcctgt tctccatctc catttcttcc catgctgtaa 540
ccccaggctc caccagctgt tccccagtga tgttacctag cttccctcta ccgttgtcta 600
ctgaccattt ccactacatg cctttcctac cttcccttca caaccaatca agtgaatact 660
tgattattat ctcttcctta ctgtgcttta tctttttttgt ttggattggt tctaattaat 720
gaaaataaaa gtttctaaat ttacattttt atagggtatt gtaaataaaa acaaattgta 780
tacttaaaaa aaaaaaaaaa aaaaaaaa 808

<210> 398
<211> 2428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1025)
<223> n equals a,t,g, or c

<400> 398
aattttcaga ggttcagatt gcacttaatg aagctaagct tagtgaagag aaggtgaagt 60
ctgaatgcca tcgggttcaa gaagaaaatg ctaggcttaa gaagaaaaaa gagcagttgc 120
agcaggaaat cgaagactgg agtaaattac atgctgagct cagtgagcaa atcaaatcat 180
ttgagaagtc tcagaaagat ttggaagtag ctcttactca caaggatgat aatattaatg 240
ctttgactaa ctgcattaca cagttgaatc tgttagagtg tgaatctgaa tctgagggtc 300
aaaataaagg tggaaatgat tcagatgaat tagcaaatgg agaagtggga ggtgaccgga 360
atgagaagat gaaaaatcaa attaagcaga tgatggatgt ctctcggaca cagactgcaa 420
tatcggtagt tgaagaggat ctaaagcttt tacagcttaa gctaagagcc tccgtgtcca 480
ctaaatgtaa cctggaagac caggtaaaga aattggaaga tgaccgcaac tcactacaag 540
ctgccaaagc tggactggaa gatgaatgca aaaccttgag gcagaaagtg gagattctga 600
atgagctcta tcagcagaag gagatggctt tgcaaaagaa actgagtcaa gaagagtatg 660
aacggcaaga aagagagcac aggctgtcag ctgcagatga aaaggcagtt tcggctgcag 720
aggaagtaaa aacttacaag cggagaattg aagaaatgga ggatgaatta cagaagacag 780
agcggtcatt taaaaaccag atcgctaccc atgagaagaa agctcatgaa aactggctca 840

aagctcgtgc tgcagaaaga gctatagctg aagagaaaag ggaagctgcc aatttragac 900
acaaattatt agaattaaca caaaagatgg caatgctgca agaagaacct gtgattgtaa 960
aaccaatgcc aggaaaacca aatacacaaa accctccacg gagaggtcct ctgagccaga 1020
atggntcttt tggcccatcc cctgtgagtg gtggagaatg ctcccctcca ttgacagtgg 1080
agccacccgt gagacctctc tctgctactc tcaatcgaag agatatgcct agaagtgaat 1140
ttggatcagt ggacgggcct ctacctcatc ctcgatggtc agctgaggca tctgggaaac 1200
cctctccttc tgatccagga tctggtacag ctaccatgat gaacagcagc tcaagaggct 1260
cttcccctac cagggtactc gatgaaggca aggttaatat ggctccaaaa gggccccctc 1320
ctttcccagg agtccctctc atgagcaccc ccatgggagg ccctgtacca ccacccattc 1380
gatatggacc accacctcag ctctgcggac cttttgggcc tcggcacttc ctccaccctt 1440
tggccctggt atgcgtccac cactaggctt aagagaattt gcaccaggcg ttccaccagg 1500
aagacgggac ctgcctctcc accctcgggg atttttacct ggacacgcac catttagacc 1560
tttaggttca cttggcccaa gagagtactt tattcctggt acccgattac caccccaac 1620
ccatggtccc caggaatacc caccaccacc tgctgtaaga gacttactgc cgtcaggctc 1680
tagagatgag cctccacctg cctctcagag cactagccag gactgttcac aggctttaaa 1740
acagagccca taaaactatg acctctgagg tttcattgga aagaaagtgt actgtgcatt 1800
atccattaca gtaaaggatt tcattggctt caaaatccaa aagtttattt taaaaggttt 1860
gttgttagaa ctaagctgcc ttggcagtgt gcatttttga gccaaacaat tcaaaaatgt 1920
catttcttcc ctaaataaaa atcacctttt aagctagagc gtccttacaa ctttgaaatg 1980
tgcaataaag aatacctgtg ttttagctaa tgtagcatat gtaattgcaa aatgatttag 2040
aatgtcatga aaaatatgaa catttcctgt ggaaatgctt taagaacatg tatttccatt 2100
atcctatttt tagtgtacac cagctgaata cggagcaatg gtgtttataa gcgtttttt 2160
aaactatctg gtcacaaaga ctgttacgct aaaaatgttt actaaaagat cactaaacta 2220
tctcccctct tgctgaagtt ctttgtagta atagctcata aaaatttgtt tattaatatt 2280
tcccaagtgt ctgttgactc attgggactg ttatgaggct tgtgccattt gggggaacat 2340
gtaaactcag gctcccrgaa ctgaagrtgg tggctggtgg gcacattccg gctgctcctc 2400
cgtcacctgt ggaactctac aagtgatt 2428

<210> 399
<211> 2732
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (699)
<223> n equals a,t,g, or c

<400> 399
gtgtaaatat gccttatact tctgctggaa acagctaaca gacagggtaa taatagccta 60
ggttccccca aagtactgta caagaagata agttatattc acctagcggg aaaaaaagtg 120
ggctaaacta gctccagaga acttgtgaat tctttgctaa aggctctttg ttttaggcat 180
ttgatgaagc aattgctgaa ttggatacgc tgaatgaaga gtcttataaa gacagcactc 240
tgrtcatgca gttacttagg gacaatctca ctgtaagtac tacttccaca gggtttatag 300
tctctttcct attcacctac ttaataattc actgttatct tcaagagggg atttgtacca 360
ttaaatgtag ttacagtttt aagttgttaa atttgttata aatgactgct gaagttttga 420
cctttgcaat catcctatc tgcagtgaca caggaataat tttaaactgt cgagtgagat 480
aagattatac atactgggcc acttacctag ggaactttta gtagccctgc tttgattata 540
cttcctttct cttgcagctg tggacatcgg aaaaccaggg agacgaagga gacgctgggg 600
agggagagaa ctaatgtttc tcgtgctttg tgatctgttc agtgtcactc tgtaccctca 660
acatatatcc cttgtgcgat aaaaaaaaaa aaaaaaaana gaatcgtacg tcgactttcg 720

attttcaca gcctcagcct aggaaaaatg gttcatggga taaacagctg gtatttgtat 780
ctaaaactca gattggtcac ataaatgcca cggcattccg aagttttgat tttgattaac 840
attgacagga ttactgtgtg tttaattttt taaaaactga acactgtgat tatggggttt 900
tgtaatttag cagaactctt actggtagaa aaaatagacc tgaattatgt gtaacttttt 960
ggaaggttta atctgatatc aaaataatca ttgaaataca attccattgt aaagttgtac 1020
agaaagttat agagattata ttgtgatgct ggaacttgga gtgagacaca catcatttgg 1080
catttgagtt gaatggtaat tcacagtaat gctgccgttg ttcgggactt aaagacactt 1140
gacctgtttg ggctgttgcc acttaaaagt tcatgaccac aaatgtccac agtgtcttcc 1200
tctgaggaaa ctcgaatcct gaaatggaaa ttctttgtgg cagataactg gcttatgaca 1260
ccttgaaaag ttcaagtgct catataacac accacactga acccccttc ctacagcaat 1320
atgttcacta tgttaccaat ttgcaacttg tgcttcaata gtggaatcta ctttcattgt 1380
taacactgag ctaaagaaaa aaagccgtgt gttttatgaa tgaccttatc tgtttcctgg 1440
ataatacctt taagaataat gtcctgagtc aggcgtggtg gtgcgtgcat ctagtcccaa 1500
ctatttggga ggctgaggca ggaggatcgc ttgagcccag gagtttaaag ctgcagtgcc 1560
ctgtggttgc acctgtgaat aactgcactc cagcctgggc aacatagcga gacctcatct 1620
ccaaaaaaga aaacaaaaaa caaaaaaagg aatgatgttc tgtagagatg gcctttcact 1680
tgaggagtac tcagttttca ggttcttcct agctcggggc ttttaaattt tgaaatctaa 1740
acattctttc ccaccatcct ttttgactgt tgaccttggt tttctcttct aagtttctgt 1800
ccctctgctt ccttactttt tttccttttt gaattctatc tttatctgtc ttttgttcac 1860
tttttaatgc tatatatggg caggggtgag agacattact gagcaccttg gtgagcaagc 1920
ctggctttaa agattggaga agagcttctg gcaccagaac cctgtcttcc tccagttctc 1980
aacayggtgt tgctcttcag tcataccgga atctgaatca aaaaagtatt tttaaatatc 2040
catgatttct ccctgtattg aggctagccc tgatcatgct ttttgtgcct gtcaccaggt 2100
ctcccaagtg cactcatcca ggtcagtgct cagatgtgtt taaggagacc ctatattcag 2160
ggaagttgcg tgaacactgc agtggggaga attgagaata gtcaggccta tcagtctcac 2220
agaatcaccc ctctaccttt gatattccac ttagctgtag agtccatctg tttgtccatc 2280
tgctgaaatg agaaaagaaa aatttatgca ctgatttaaa acaaaccaaa aaaaagaaaa 2340
aaacaaaaaa aaaaatccct cctttctagc tgaacaaaaa tgtgcagtta atacttggcg 2400
cttgaaaatg cagtagtgaa tgtggaacca agcctgtctg tatatctggt agctcttttc 2460
ttgctttgtt ttttcttacc agtattctgc ctaacgtttg cttctgtgat ggttatattg 2520
cctagcaagc acacccgtgg ttgtgaaaat agtatagcaa aaaagaaaaa tccccggtta 2580
ttgatgtact agatttgtgt atgtctttta aacagttcta gtttcacctt acacagaata 2640
atcaggaaaa gtgtaaaaat tcaaaagtga aataaaaatt ttatcagtta aaaaaaaaaa 2700
aaaaaagggc cgctcgcgat ctagactagt cc 2732

<210> 400
<211> 1362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1250)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1343)
<223> n equals a,t,g, or c

<400> 400
cagtaattgg agaattcaga gattgcattt ctagcagaga attccttcag ccttcttcca 60
aagctagctt ggaatctaca agcgacttgg gagcttctgg gaaacatggt ggcaacgtct 120
ctttggatgt tttaccagtc aaaggtcctc agggttctcc tcttctctca cgggcggctc 180
gccctccgga tcagctggcc tccgaagagc cgtggactgt cctacccgag cacttgattc 240
tggtagctcc ttctccttgt gacatggcaa aaactggacg tttccagatt gtgaataact 300
ctgtgaggtt actgagattt gagctgtgct ggccagcgca ttgcctcaca gtcacgccgc 360
agcatggatg tgtcgcgcca gagagtaaac tacaaattct tgtgagtcct aattcctcct 420
tatccacaaa acagtcaatg ttcccgtgga gtggtttgat ctatatacac tgtgacgatg 480
gacagaagaa aattgtgaaa gttcaaattc gagaagattt aactcaagtg gaacttttaa 540
ctcgtttgac ctccaaacca tttggaattc tttccccagt atctgagcct tcagttagtc 600
atttggtcaa accaatgaca aaaccgcctt ccacaaaagt tgaaataaga aacaagagta 660
ttacttttcc tacaacagaa cctggtgaaa cttcagagag ctgtctagaa ctcgagaatc 720
atggcaccac agacgtgaaa tggcatctgt catctttagc gccaccttat gtcaagggag 780
ttgatgaaag tggagatgtt tttagagcta cctatgcagc attcagatgt tctcctattt 840
ctggtctgct ggaaagccat gggatccaaa aagtctccat cacatttttg cccagaggta 900
gggggatta tgcccagttt tgggatgttg aatgtcaccc tcttaaggag cctcacatga 960
aacacacgtt gagattccaa ctctctggac aaagcatcga agcagaaaat gagcctgaaa 1020
acgcatgcct ttccacggat tccctcatta aaatagatca tttagttaag ccccgaagac 1080
aagctgtgtc agaggcttct gctcgcatac ctgacaggca gcttgatgtg actgctcgtg 1140
gagtttatgc cccagaggat gtgtaccgtt cctgncgact agtgtggggg aatcacggac 1200
acttaaaggc aatctgcgaa ataattcttt tattacacac tcactgaagn ttttgagtcc 1260
canagagcca ttctatgtca aacanttcag gactctttga ggaaggttat cgcagatcac 1320
agtggtctca tcagcgtgca gantttggct tttggagtgg gg 1362

<210> 401
<211> 1403
<212> DNA
<213> Homo sapiens

<400> 401
ttttgaaatt aatattaata tttttgttgg ttaactttaa agctagctcc cctaacttta 60
tatatttttt gggaaaaaat acctaaaaac ctcagcctac aaagactctc agaaatgcca 120
aagattttca aggaaattca tattatatat ttcaaaaatg atttatcaat gttatctacc 180
aaaagaaata attttatttt tccccttttgg ggagatatta tcctctaata tgagaatcag 240
atccctagat tctatttcta cctatactat taaactcaac cttgaacctg agcttggttg 300
ttctgtgcct tagtttctcc actcgtaaac aatttcctat aaaaattgtt taaacaccaa 360

ccaaaattta ccatatgtat tcattctctt gccttaaaga tcacttctta acttacattt 420
ggctctcacc ctctaaaaat ttgtagtttg gagagtaact gaagccacaa ttttaagaaa 480
catgttttcc tcacaaaata tattgtaatc tgattttcct atcttgtatt catgcagaaa 540
attggagaaa atgtgtattg tcttgtgcca ttctgcaata tgaatttctc aggaaaaaga 600
tgtttcaatg gcaatacttt cttaaataat tcaagatggg tgtgaggacy tatcttatta 660
gtttagtgct gtgttaacca tttgtgaatt acttcttgtt taaaggaagt tgtcaaaaaa 720
ttttaagatt ctaaatggaa tacacgaata aagtaagcct tagaatagaa acctcacaaa 780
aagttgtcat ttgcggttga taattaacat aggtgtttta ttctctcaac tccttagtac 840
cagagccaaa tacaatttag ttttcagaaa tcttatcaat attgttctat ttacctactt 900
ataaatctgc agataaccac ttgaaccagg caaatacact gaagataaag gttatttctt 960
tttttagctt tgaatttgtc atgaccattt tagtcttgca gatagcaggg cagcccttgg 1020
ggcaaggatt tactctggga ggtaccgtta agagccttct ttcccccttt gaaagatcct 1080
tttacaatgt taaagtatac tagttgcaag aacaagcagg atttgcaggt tgctttacca 1140
gcatgagtct cattttctg gcttaaaatc tgggactgtg aaattattcc ataggaaagt 1200
gaatrttatt ttgcagaatt agcctcttac ataaaagtat ttgttgaagt gtctttaaaa 1260
ttgctatcat gagcaaaact ggttgctgta atgcttgttt ttctgtattt atttacacat 1320
taaattctta caaaayaaaa tgtgttcgtt tgttttatag taagatgttt tattttgaac 1380
ttatttaaat gtttatttgt tag 1403

<210> 402
<211> 2387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1316)
<223> n equals a,t,g, or c

<400> 402
tcagcagggc cacgctccct cctaaggctt cagggagaat cattttttgc ctcctccagc 60
ttctagtagg tccaggtgtc cttggcttat ggcctcatca ctccagcttc tgcctctgtc 120
ttcacatttc cttctgccct ctctgtatct ctgtgtgtcc tctcctcttc ttctaaggtc 180
attgggtttt aggggtccgc ctggataatc caagatgatc ccatctyaaa attcctaatt 240
atactggcaa agacccttttt tacaaagaag gacatgaaca tggttttggc agccagtgtt 300
caccctgttg tgatcagtaa cgcgctccgt gtgtctctct ctcctcccag gtgcatagcg 360
ggctgctgct tcatcccctt ctgcgtggat gccctgcagg acgtggacca ttactgtccc 420
aactgcagag ctctcctggg cacctacaag cgtttgtagg actcagccag acgtggaggg 480
agccgggtgc cgcaggaagt cctttccacc tctcatccag cttcacgcct ggtggaggtt 540
ctgccctggt ggtctcacct ctccaggggg cccaccttca tgtcttcttt tgggggaaat 600
acgtcgcaaa actaacaaat ctccaaaccc cagaaattgc tgcttggagt cgtgcatagg 660
acttgcaaag acattccccct tgagtgtcag ttccacggtt tcctgcctcc ctgagaccct 720
gagtcctgcc atctaactgt gatcattgcc ctatccgaat atcttcctgt gatctgccat 780
cagtggctct tttttcctgc ttccatgggc ctttctggtg gcagtctcaa actgagaagc 840
cacagttgcc ttatttttga ggctgttctg cccagagctc ggctgaacca gcctttagtg 900
cctaccatta tcttatccgt ctcttcccgt ccctgatgac aaagatcttg ccttacagac 960

tttacaggct tggctttgag attctgtaac tgcagacttc attagcacac agattcactt 1020
taatttctta attttttttt taaatacaag gaggggggcta ttaacaccca gtacagacat 1080
atccacaagg tcgtaaatgc atgctagaaa aatagggctg gatcttatca ctgccctgtc 1140
tcccccttgtt tctctgtgcc agatcttcag tgcccctttc catacaggga ttttttttctc 1200
atagagtaat tatatgaaca gtttttatga cctccttttg gtctgaaata cttttgnaac 1260
agaatttctt ttttttaaaa aaaaacagag atggggtctt actatgttgc ccaggntggt 1320
gtcgaactcc tgggctcaag cgatccttct gccttggcct cccgaagtgc tgggattgca 1380
ggcataagct accatgctgg gcctgaacat aatttcaaga ggaggattta taaaaccatt 1440
ttctgtaatc aaatgattgg tgtcattttc ccatttgcca atgtagtctc acttaaaaaa 1500
aaaaaaaaga aaaagaaatg gataatttca tctactgcct ttacttgggg ttaatgtgat 1560
tcttaaacac cttcatcatg gaactctcag agtggggtcc gttttggttt cctggtggtg 1620
ggttttgaaa gataagggaa agcacatttt gagcatgtct gggtaccatg gtgcggatgc 1680
ttgggaacca gaactgtttc agaggaatct aaagtctgat tttagttttc agagacacag 1740
cttgttgtaa aacatgagaa gacatgattt ctaggactca agcagcaagc caggattcta 1800
ggttggctgc tgtgtcatct ttgaagtcaa gacaaagctg ggctcgacct tcaagggtcc 1860
tcgttttgat aatacttcag aatagggaac tcatgtgaat actactatgt agaaataaaa 1920
cctagacctt gagcgaacat ctgtatattg gttgaaaacg atagtggtaa ccattgatcc 1980
cccttcattt gatgtttgga aaattccagt aattatcatt tttgcaacga atatggatac 2040
cacatagtac tttggtgtta cctgcttttg aaaaataaag tctttggttc acccggtgaa 2100
ctatttatga gttcttttgg tgtgaagaaa gggctcatgt tgcatttcca gccattgcta 2160
caaagaacct ttatttgttc agtaacggta gaaaatcctt cccgattaaa aacttcagac 2220
ttgctgaata tcctgcaatg tcaagatgac cgatgttgag ttgggtggat ttgctaacga 2280
gtcagatttg aacatgaggc tattggaacc caataggcgt cattgatggc ggcaagccat 2340
agctttcaag ttttaataaa atgcacaaaa garaaaaaaa aaaaaaa 2387

<210> 403
<211> 4062
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4061)
<223> n equals a,t,g, or c

<400> 403
caaacccaag tgaacgggca cgtgttcatt gtggacgact ttgaatcttt tgagaagatt 60
cgaagacaat cttattacat ttgttygtga aactgccact tcaagttgtc ntctcattat 120
ttggatggct acacctcacc aggttttaaa atgcttgaag catacaacct gacagaaaag 180
aattttgctt ctgtacaagg agtatctttg gagtcagggt ctttccccag ctactcagca 240
tacaggattc agaagaatgc gtttgtgaat cagcctacag cagacctaca ccaaaatgga 300
ctccctcctt catacacgat tatattatta ttcagacttc tcccagaaac tcccagtgac 360
ccttttgcaa tttggcaaat cacagacaga gactacaaac cacaagttgg agtgattgca 420
gatcyttcta gcaagacgtt atcattcttt aacaaggata caagaggcga ggtgcaaact 480
gttacatttg acacagaaga agtaaagaca ttattttatg gaagttttca caaggttcat 540
attgtagtga cctcaaaaag tgttaagatt tacattgact gctatgaaat tatagrwaaa 600

grcatcaagg aagctggaaa tataacaact gatggttatg aaattcttgg aaaactcctt 660
aaaggggaaa ggaaatcagc cgcattccaa atccagagtt ttgacattgt ctgcagtcca 720
gtgtggacca gtagagacag atgctgtgat attccctcta ggagagatga gggaaaatgc 780
cctgcttttc caaattcttg cacatgtaca caggacagcg ttggacctcc aggacctcca 840
ggccctgcag gaggacctgg tgctaaaggt cccagaggtg aaagaggtat cagtggggca 900
attgggcccc ctggtcctcg tggagacata ggtcctccag gcccccaggg tcctccaggc 960
cctcagggac ccaatggact ctctattccg ggagagcaag gtcgccaagg gatgaaaggt 1020
gatgctggag agccaggact tgcaggccga acaggaaccc caggattacc tggcccacca 1080
ggaccaatgg gacctccagg agacagaggc ttcactggaa aagacggtgc aatgggaccc 1140
aggggcccac cagggccgcc gggaagccca ggctccccag gagtcacagg accaagtggg 1200
aagccaggaa aacctggaga tcatggcaga ccaggtccat ctgggttgaa aggagaaaaa 1260
ggtgataggg gagacattgc ttcccagaac atgatgcgag cagttgcaag acaagtctgt 1320
gaacaattga taagtggtca gatgaacaga ttcaatcaga tgctgaatca gattccaaat 1380
gattaccagt ccagtcgcaa cgagccaggc ccgccgggtc caccgggacc tcctggtagc 1440
gcaggagcca gaggagaacc tgggcctggg gggcggccag gcttcccggg cacaccaggg 1500
atgcagggac cccctgggga acgaggtttg ccaggagaga aaggtgaaag gggtactgga 1560
tcttcaggac ctcgggggct gcctggcccc ccaggtccac aaggagaatc cagaacaggt 1620
ccaccagggt ccacaggttc aagaggtccc cctggccccc ctggccgtcc tggaaactca 1680
ggtatccgag gacccccagg tgctcctgga tactgtgatt cttctcagtg tgccagcatc 1740
ccatacaacg ggcaaagcta tccaggttcc ggctaacaca ttttctaagt cgccagtgct 1800
gcttacagtt tgaatacatg aaaatcctgt ttctgagatg tttgcgcacg tgcttattag 1860
gaaatgagtc tgtatggaaa tgtcaccaca gataatggtt aacgaaccgg gtcgacatca 1920
caaaggaggg tggagactct ttttactaac ttgaatgaga caaaagcagt ggtgtcagtt 1980
tataatcctg atgcatttca gtaataatgt agaaaaacat tattttaaaa aagttccaac 2040
acacagccat gaggagcctc agttttgaaa gaggtgcata ataaaactac taaccagagg 2100
agtctatgcc attttaagaa aaacaattaa cctggttaaa gagaaatgtc ttatgtaaat 2160
aataaactaa ttgtggcttg taaatgattt gtatgtgatc ctgtcgacta aaatcactta 2220
acaattctac aataagcttc tgcatcaaag cctgccgctt gctctatgcc ggaataacac 2280
caaatggaat ctcctcatct cttgcttgtt agcgatgtgt ctgattcagg gcatctgtct 2340
ttttgttact ttttttgtccg tgtcctctca tttgggtttt gtaactgcaa ttttcaaacc 2400
aaagtttaaa atcacctttt cttcctgttt tgctgtagtc actggtgttc ctcacccacc 2460
agctgtaact cagtttgtgt gaggtacagc cacagaagat gtcatgtact gtatattacc 2520
tggtgatagt tgcttttcac ccccgagttt cagtttctag gagccaatga aacttcccct 2580
cacctcctca tctttccaag ttgttctttg aattgaggag tttgaaggca taaacagtta 2640
cttggggatt tgcgaaaatc ctacttagtt actgcgttta cagttctttg gcccagtctc 2700
tgacccttcc caagtatttg tgcaatgatt gtgtttactg ctggattttt gaaggttttt 2760
ttttttaaga aagtgccatt tcattatttg attatcacca aattatctgg aaataattgg 2820
gacattgtaa cttatctatt tatagttatg agattaagac tggagtgcca tcaccgcggg 2880
tgatgattta gcttttgctg tgtgtgtgtg tgtgtgtgtg ccttccaaat catgccataa 2940
ttgtaatgtt gaatcggaca gagccttacg tgcccgaggg cggggcctac ctgcctgagc 3000
gcgagccctt catcgtgccg gtggagcccg agcggacagc ggaatacgag gactacggcg 3060
cagacgagcc tgcagaggag cctcctgagc cccaccggcg ctggcggcgc gccctgcccc 3120
acggacccgg gcagtgaacc agagatcacg cgccgcgccg cgaggcttgg gggaggtgtt 3180
gaaattctca tttacaggtc agatagagca gtgtacgtct tttctgaggt gtttcttcca 3240
gcgttgctca tccaggagta ccctttctga ttgtagagaa ccttgtttct gcaggaagcc 3300
tagctccaag cacgcagtct gtagacattt ttgcctttgc ccttgaaatg cttgcaaaat 3360
actttgttaa caaaagctgc aaagagagaa catgccgtgt gcctttagtt agcacagcgg 3420
gcagcctcag tgaaactctt aggttaagca gttaagtcct ggaacccaga gctgctgtgt 3480
atttcgagcg ggcagtttat cttttgctat acttattttc aattcaatta caccacgatt 3540
caaataattc ccctcctaaa accaaaaagg agggaaacgt caactccatt gcaattactt 3600
atcttcctct tctatctctg ttatacgccg gggcatagaa tgctcgtata catctcttta 3660

acaaccacaa accttaagcc atgtagatga agttagtgca tcaacgggat acagttccat 3720
attgccttaa acctccttgt tttagacaca ctaacattta taccaaattg cagattattc 3780
tgcagagagg gaattgcatg tttgtgttgt atatttagta tgaacttttt tcagaatata 3840
atatttctta gttatcaaaa gtagttggaa aacatttgca agactatgaa catagaattg 3900
ctgcttttat attttaactg cagattgtga atttcactgc cttatattat ttatttctga 3960
aacaaaagag gcatttttca ataaaactac tgaaaatttg aaaaaaaaaa aaaaaaaaaa 4020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaacaaaaa na 4062

<210> 404
<211> 861
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (734)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (746)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (767)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (769)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (820)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (849)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (854)
<223> n equals a,t,g, or c

<400> 404
ccctcactaa nggaacaaag ctggngctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccgg gctgcaggaa ttcggcacga gtgaaagatg agtggttgga gaagtttaat 120
ggttttcaaa tgctttttt ttcagtcttc aaataagtgt ttacgtagaa gcaccatatc 180
tgaaacaggt gacagtggac cagtctgaat gaaatgaggg ttggcaggcc tgagctccaa 240
aaccttctga ttgcccaagc cctccttgtc ttgcttggat tatctccaca caaatggaga 300
aactggacaa ggtggtcatg gaggtccctg aaagctcaaa gactttctca ttccaggatt 360
ccccatgttc atatgccagc atggcatggg ggtgctctgt agtcaagcag ggtcctttgg 420
ggggcttagg gatggagcca ggaaatggct ctgggactca gcgggtgtcc agagtctcat 480
cagcagggtt tctttacttt cactgagtgg ctggtgcctg cacactgagt tttgcaggct 540
tactctcaca gagtgagctt cctgcaggcc ccccactgca acccctttcc ttcctggagc 600
tgtgtgctga ctggtgccgt gagcacccca ggccctctcc ccatgctgct gatggtcagc 660
tttctctgca cgctcgtggt tgccacagtc aacgctgata aaaatgctga tgcagattgc 720
ctgcccaact tgcnagtgct ggcacnggac ccagcaagcc caaaacngnc accttggaaa 780
gtgggttggg gcttgaatta attggcaatc aatcttccan ttgggcccta actcgggttc 840
ctttaaaang gccnttattg g 861

<210> 405
<211> 1030
<212> DNA
<213> Homo sapiens

<400> 405
cgcgtcctgc ctgcagagag ccaggccgga gaagccgagc ggcgcagagg acgccagggc 60
gcgcgccgca gccacccacc ctccggaccg cggcactgct gacccgccat cgccatggcc 120
cgcgggaaag ccaaggagga gggcagctgg aagaaattca tctggaactc agagaagaag 180
gagtttctgg gcaggaccgg tggcagttgg tttaagatcc ttctattcta cgtaatattt 240
tatggctgcc tggctggcat cttcatcgga accatccaag tgatgctgct caccatcagt 300
gaatttaagc ccacatatca ggaccgagtg gccccgccag gattaacaca gattcctcag 360
atccagaaga ctgaaatttc ctttcgtcct aatgatccca agagctatga ggcatatgta 420
ctgaacatag ttaggttcct ggaaaagtac aaagattcag cccagaggga tgacatgatt 480
tttgaagatt gtggcgatgt gcccagtgaa ccgaaagaac gaggagactt taatcatgaa 540
cgaggagagc gaaaggtctg cagattcaag cttgaatggc tgggaaattg ctctggatta 600
aatgatgaaa cttatggcta caaagagggc aaaccgtgca ttattataaa gctcaaccga 660
gttctaggct tcaaacctaa gcctcccaag aatgagtcct tggagactta cccagtgatg 720
aagtataacc caaatgtcct tcccgttcag tgcactggca agcgagatga agataaggat 780
aaagttggaa atgtggagta ttttggactg ggcaactccc ctggttttcc tctgcagtat 840
tatccgtact atggcaaact cctgcagccc aaatacctgc agcccctgct ggccgtacag 900
ttcaccaatc ttaccatgga cactgaaatt cgcatagagt gtaaggcgta cggtgagaac 960
attgggtaca gtgagaaaga ccgttttcag ggacgttttg atgtaaaaat tgaagttaag 1020
agtgattcca 1030

<210> 406
<211> 2428

<212> DNA
<213> Homo sapiens

<400> 406
ctcgtgccga attcggcacg aggagagaac tagtctcgag ttttttttt ttttttttgt 60
atgaaacttg gaggcttaca ggtatagaca gctttcagct acagcacatt ctaatttttt 120
attttgttta gttcttttgt attcacttct ggtctcttta agactgtttt aaaagaaatc 180
aatttaggga accccagtta tataatataa actttgtaat ctgagagaaa aaatgtatag 240
taaatctaag tcttgatttt taactttcta ttgtaaaaaa taataatata cagagtttaa 300
tagaaggtga tgttttggtt ttgttttccc agaggctgcc atatggtctt tgagtacggg 360
gatgtcccaa actggcccac caatgagcat ggcggctccg gccaggaatg ccagagttag 420
cctcccaggc ttgcgggtgg acatgcctgc tccctgccag cctccagtgg cctggccagg 480
ccytcccgag cctgtctgcc ctccccaggg gtggaggagt ctctgggccc caggaggatt 540
ccctcccgga gactcgcacg gtgctccctg ctcacgcgtt gtcacagtta gtccggaaat 600
gactgaaacc aggcattctc ccggacctca gcgtggggga gcctccaggc agacgctggg 660
tatggagctg tggtgtggtc tgtcctgtat ggtggccagt gctttctgcc agcatttctg 720
gatggatata gggactatca ttagtatcct aatacacggt gattttaaaa caaccataaa 780
attgattcag agtccactga cccttacaga tgtaggtata cccttactgg agagggaact 840
ctgatgagga gatgctggta aattatcatt ttttaaattg ctggtgagtc tgacacttgg 900
tgagttttca gccagtttgt taaactttta attaagtttt gtttataata aaaatataaa 960
tggatttgaa agtttccatt ttttaaagtt accctcgttt tcaaaggtat tttctaaaca 1020
gatctttaat ggactattta aaccgaattt aaggaattca cacacgacag ttgacaggtc 1080
ttcacgcagg ctggttggta acgtgctgcc agcacagggc tgggtgatac gtacacccta 1140
agccgggggt gcctggggct ggggggcgct ccttgcaatg cccctccagc cacagggcag 1200
tgaggtgctg cctgtgtgag ccgtcggggg agcggccggc tgtgggggca gcgcacagga 1260
gcatcgtggg gcctttcctt ctcggctggt tctctgtgac ggtggcgtcg gctcgcctct 1320
gctcctttca tctagaaaga agccactgac cctgacagcc cacggcgggt acactgagca 1380
gctgcattgg tgctgtcact tttttaaggc tttctgtcca gacttcaaca ctggtttctt 1440
ttcagagttt cgaaggatta atgacttcct cagcgccctt gctggcgggc tgagggtgac 1500
agtcacgtcc gtttcttctg tattagaagg ctgcggtgat tcaattagat tgtcccactg 1560
ctgagacctg tagggcagct tctaacatgc ttttttcaag gggagaggag tagtgacaag 1620
tcgtgtgtcg gaattggatt tgagaacact ctgaatgacc cctggaggcc gaggggggcag 1680
gcttcgggcg tgaactgaac tccagacccc tctttgtgtt gggcagtgtc atcttgctta 1740
caaactgtaa gacacatttt tttgtgtgtt tgtttttgtt gttgttcttt tgcagcactc 1800
acgcctctga cagtcttttg ggaaagagta acacccacat acagaatttg tcacatccag 1860
agtagcactg ttccttaata ctggcataat gcttccagga agtttttctt ttttatattt 1920
aaaatgttac ttttctgtat gatgtgcatg caagtttacc gtaacttttc ttaaacttt 1980
tagtgccgtt tctagtatat tcctgtaaat gtcagttact gaaaatgagt ccaatgtaag 2040
tagtttagct tgtttattgc aatgctggcc tcaacacaac agaataaaaa tggtagaaag 2100
tactctttga tgtttctggt aatcatggac ccttctcctg gggcatttgt tttgttttca 2160
taataaaaag caaaaaaaaa aaaaagactg ttttttttt gcattttcct gtgctttctg 2220
tgggggctcc cagcctctct cctggagcct ggaaatgtct ggaagcacct ggtctggaac 2280
agccttcact ggtccacagc aagggtgctg agctccccac acttgacatc ctgtaactct 2340
tggcaaaaac acccagagca tccaaaaggg gccccaaaaa accatttaaa ggcaggatgc 2400
agtggctcgt gcctgtgatc acagcacc 2428

<210> 407
<211> 2047
<212> DNA
<213> Homo sapiens

<400> 407
ggcacgagat gaaatgggcc acaactttgg aatgtttcat gacgactatt cttgcaagtg 60
tccttctaca atatgtgtga tggacaaagc actgagcttc tatataccca cagacttcag 120
ttcctgcagc cgtctcagct atgacaagtt ttttgaagat aaattatcaa attgcctctt 180
taatgctcca ttgcctacag atatcatatc cactccaatt tgtgggaacc agttggtgga 240
aatgggagag gactgtgatt gtgggacatc tgaggaatgt accaatattt gctgtgatgc 300
taagacatgt aaaatcaaag caacttttca atgtgcatta ggagaatgtt gtgaaaaatg 360
ccaatttaaa aaggctggga tggtgtgcag accagcaaaa gatgagtgcg acctgcctga 420
aatgtgtaat ggtaaatctg gtaattgtcc tgatgataga ttccaagtca atggcttccc 480
ttgccatcac gggaagggcc actgcttgat ggggacatgc cccacactgc aggagcagtg 540
cacagagctg tggggaccag gaactgaggt tgcagataag tcatgttaca acaggaatga 600
aggtgggtca aagtacgggt actgtcgcag agtggatgac acactcattc cctgcaaagc 660
aaatgatacc atgtgtggga agttgttctg tcaaggtggg tcggataatt tgccctggaa 720
aggacggata gtgactttcc tgacatgtaa aacatttgat cctgaagaca caagtcaaga 780
aataggcatg gtggccaatg gaactaagtg tggcgataac aaggtttgca ttaatgcaga 840
atgtgtggat attgagaaag cctacaaatc aaccaattgc tcatctaagt gcaaaggaca 900
tgctgtgtgt gaccatgagc tccagtgtca atgtgaggaa ggatggatcc ctcccgactg 960
cgatgactcc tcagtggtct tccacttctc cattgtggtt ggggtgctgt tcccaatggc 1020
ggtcattttt gtggtggttg ctatggtaat ccggcaccag agctccagag aaaagcagaa 1080
gaaagatcag aggccactat ctaccactgg caccaggcca cacaaacaga agaggaaacc 1140
ccagatggta aaggctgttc aaccccaaga gatgagtcag atgaagcccc atgtgtatga 1200
tctgccagta gaaggcaatg agcccccagc ctcttttcat aaagacacaa acgcacttcc 1260
ccctactgtt ttcaaggata atccaatgtc tacacctaag gactcaaatc caaaagcatg 1320
aagcaacagc taagcaagaa ctaatggcta aattatcaac ttggaaaact ggaaaatctg 1380
gatggcagag aaatatacta tctcaccagt atttgctctc gactcaagaa ggttaacatt 1440
ttctgattca tgttagactt tgaagagact aaagaaaatt ttcaagagga acatatgcct 1500
gagaaccttt gcatgaattt aaaatttcaa ttatccattc ttataagaag gaagatgatt 1560
gtaaagaaat atctccgaag ttaaaatctg taataggaat tgattcattc tctaatgaaa 1620
acaaaacata aaaacatcac actaatcttg gaggaataag aaaaattgta catccattaa 1680
atgtacaatt gattgcaaca tcttgattgt tttaaccatt aacttgtcaa attacaatca 1740
cagttaagaa aatgatgtaa aattctgttt tgtggatctc tttcctagat tagcttctga 1800
aatcattatt agctatatca tttgaggttt tctacaattt ggtataacta agaatttaaa 1860
aatgttttat catatatatt tgtataatta attactggca tggttaaagt ggttttcact 1920
ttttaaatgg agaaaatttc agttaaatta ataggataaa ccaggttgcg aactggtgac 1980
ctgtaggcca tgtttgcact gcaaatatat ttggtctgaa tgatattgaa aaaaaaaaaa 2040
aaaaaaa 2047

<210> 408
<211> 892
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (855)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (868)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (891)
<223> n equals a,t,g, or c

<400> 408
gaatatccct ttaagctggt ncgcctgcag gtnccggtcc ggaattcccg ggtcgaccca 60
cgcgtccgga tgactgtaat tctccttgtt accgacgaga gatcattgga agctgccttc 120
taacactttg tgtagctctg tggagttgga ttttcttaag gtttaaaaag aatcacagct 180
tcggaacttt taactgaaaa tgagagacag aagccacagg ggaagcaaag caaataggat 240
tttcaatata aatatcagtg tggaaaaata acctattctg ttgaatttag tgttcatgca 300
cttgagaaca acattatttc catttactcc gaaaatcctt ctgtgggggt ttgagaaagt 360
gaatgttgca gacatgttct gttgtgttgc actttatcct gtgtttatgt gtatgtgttt 420
ttagattaat tcaagttgtg tgctatattt cttgtataat ttacaaagtt acacaaaata 480
taaagagcag taaacttgtc tgaaagtttt tggcaaagga aggtaacttc aatgtaatag 540
cttcctttaa gagtacagga aaatgcattc tgtaatgaag tggggcccat gtaattgttt 600
atattttcag ttttaagcag gtatagtgca ggcttgttag gaatgtgtgg aagggaagat 660
tggaagtgat ttttcctctt ttaaaagtaa acaaaattct tcaaatatgc cctagttaac 720
tatttcagca taccattttt acttggttaa cagtgtacat tttgataacc tatcaggaat 780
gaataaagta tttttattta aaggtgaaaa aaaaaaaaaa agggcggccg ytytagagga 840
tccaagcttg cgtangcgtg caaacganat caggagtcga tgagtagctt nt 892

<210> 409
<211> 696
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (675)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (676)
<223> n equals a,t,g, or c

<400> 409
ggagtagttt acagctattt ttttttctta ctggtaatct taactaatat gattcccttg 60
ttagagagcc tctcactccc ccacccccaa aaatgtctac tattcatgac agtaaccaat 120

tattctggac aaattgcttc tttttaattt gagctatctg ccatggactt tctaaaatgg 180
aaacacagcc tgagtgtatc ttagggagag tttgattgaa aaaatccaaa tcactatcca 240
tatagatcat ggatataaag agatacctga tttttattaa aaagatactt tttcaaattt 300
aagagttaat cttggaaatt tggaacaagt aaaggggcaa gtaaaccttt tgatgaaata 360
taaaaggaac tcattgcatg aagttgacta tcaaattctg tgatgtgtgg cttcttaaaa 420
atattctcag tgtcttttgt gtgcgtgcag catgtacatt tgatgttatg tgaatgttga 480
gtttttttctt ctaattttca cttcagcagt gtttagggct tcagatgcct tattccagtg 540
tgaacagaaa aagttcatat tttatgtggt taatgctttg atgtgtcaca taaagagtag 600
tttgtagaaa atgttggcac aattttaact tcttagtggc tgtgacatta tatattatat 660
atataraaac tatannaaaa aaacaaaccc gggatt 696

<210> 410
<211> 1885
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (741)
<223> n equals a,t,g, or c

<400> 410
agcaagggaa tgaccctctt catcgcctct cctaattcag tcctcacaac agtccttttа 60
caaatgggac aacaggttag aggaagtcag gcagatttcc agcatcatag agagtaaagg 120
accagggaag gatcaggatt caaggactgc acccaggctc tgcttccakc ttgctgtgtg 180
actttgggta attttgttcc cttagggaac tgagctttct catttgtaaa tgcaaacagg 240
ctgttgggag gatcaaatga gatccagggg tgaaaacagc ttagtttact ttcaggaatt 300
tacccacgcg gtatataaag gcaaaatatt attatagtca ggtgattgta gattgaggaa 360
cccatttcct cattctgcaa attgcaaacc tgagggccca aagagggaca ggggcttgcc 420
caggtctcag caggctgtga gcaagagcta aagcctaatc ctcctgcctt tgggcctgga 480
gccttccttg taccccaggg gtcagtgtct ttgttggata caggcttaga ttgactgact 540
gtaccctgag aacctagggg agtccctgtt cccaattctt ctcctacccc caccttggcc 600
tgatggagga agaccctgct gtgttgagat gagcaccaga gccaagaagc tgaggaggat 660
ctggagaatt ctggaggaag aggagagtgt tgctggagct gtacagaccc tgcttctcag 720
gtcccaggaa ggtggcgtca ncatctgcag ccgcgtcgac gttgtcggag cctccgcgga 780
ggacccagga gagccggact aggaccaggg ccctgggcct ccccacactc cccatggaga 840
agctggcggc ctctacagag ccccaagggc ctcggccggt cctgggccgt gagagtgtcc 900
aggtgcccga tgaccaagac tttcgcagct tccggtcaga gtgtgaggct gaggtgggct 960
ggaacctgac ctatagcagg gctggggtgt ctgtctgggt gcaggctgtg gagatggatc 1020
ggacgctgca caagatcaag tgccggatgg agtgctgtga tgtgccagcc gagacactct 1080
acgacgtcct acacgacatt gagtaccgca agaaatggga cagcaacgtc attgagactt 1140
ttgacatcgc ccgcttgaca gtcaacgctg acgtgggcta ttactcctgg aggtgtccca 1200
agcccctgaa gaaccgtgat gtcatcaccc tccgctcctg gctccccatg ggcgctgatt 1260
acatcattat gaactactca gtcaaacatc ccaaataccc acctcggaaa gacttggtcc 1320
gagctgtgtc catccagacg ggctacctca tccagagcac agggcccaag agctgcgtca 1380
tcacctacct ggcccaggtg gaccccaaag gctccttacc caagtgggtg gtgaataaat 1440
cttctcagtt cctggctccc aaggccatga agaagatgta caaggcgtgc ctcaagtacc 1500
ccgagtggaa acagaagcac ctgcctcact tcaagccgtg gctgcacccg gagcagagcc 1560
cgttgccgag cctggcgctg tcggagctgt cggtgcagca tgcggactca ctggagaaca 1620
tcgacgagag cgcggtggcc gagagcagag aggagcggat gggcggcgcg ggcggcgagg 1680
gcagcgacga cgacacctcg ctcacctgag cgccgcaccg cttcagggac ggagacagga 1740

ccggcgagcc ctggggcggc ggccgctcct gcactttctc ccctccccca cccggcacct 1800
ggtggcaccg ggccaggccc aggcgggtgc tgcagcctgg ctggacagag ccccaataaa 1860
cgatcccaca gcctcaaaaa aaaaa 1885

<210> 411
<211> 584
<212> DNA
<213> Homo sapiens

<400> 411
gcacccgcct cggcctccca gggtgttggg attacaggtg tgagccactg cgcctggcct 60
aaacaaactt tttgaaaagc tgtttctaaa agattcctta aattcagata tgacagctaa 120
ttacctcatc ataaattact tttatactaa ttgtttccag ggttttagag tagttgaatg 180
tttatttcac aaggcaccct aaattctata gaaataaaac ctcagatgag tctccttctt 240
agagtgttac aatgaatggg agtttacaac ttttatgtgt catgtttcca acagctgtgt 300
ttggggtggt cactggcagg aggggaccgt atctcagaat ggcacattat ttctatttta 360
cacatgagca aattgaggca tagagagtta gataacttgc ccaggttaca cagattgtaa 420
gttgatgaag ctgggatttg aatcttcaca tgtgtgtact tataaataca aatgtaagga 480
aaactctagt gagtccacct cttatattga gttattactg tgtgagtgcc aagtwctgtt 540
ttagatgctt tacatatact attttgttta atatcctttt taaa 584

<210> 412
<211> 1412
<212> DNA
<213> Homo sapiens

<400> 412
ttctgtctca aaaaaaaaaa aaaaaaggtg tgcccaggcc cctagccatt gccatgtgcc 60
cagccagaga gccaaattag agggctggct tccctatcac acagaataaa tgctagtgct 120
agccaatgat ccctttgctt ttaatgtata gaaaatactg ttgttccttt tgtcatttcc 180
agtgacatct gttttctaag cagctctttt ctagggagga aaccaaaggg gctaggttaa 240
gaccctaata gaaatgtttt ttctaatctc tggtgagtct ggaagtgtca cattcacagt 300
ccacccttgg gagtggcttg gtggagctgg ggacaaggtt ttgtttacta catagtgcac 360
atgataaatg gccttaaact gtgattcttt ctggtaggat aagttataat aaactgaccc 420
taaagaatgc aatggctttt aaactgcagt tactgtgttc ttadtgaagc aatacccaaa 480
gctctgttct tttggagcac ttgaggggag cttgaatgaa aggtgcagat aagagcagta 540
ccttgatctt atgctttctg agtgtcctgc cttgttgcca tctgcatgga tgagtgaatg 600
cttctatgca cgaggagact caagccaact cagagtctgc tttttccaac gctcttccca 660
ggtttctttt gcaaagcttg gtcatttggc ccaggtcttc ctggaaagtg gagtacatgt 720
cactgactag ggtggcgtgg tgtctttacc cttaacatta agtcttgtta cctcagtgat 780
gtgaagccaa tggttggaat tataaaaagc atccttgctg gttcttcaca ggacactgga 840
acccaccctg tcaattcagc tagcatgtcc acacagtctt gatgatccct ctctgtaaca 900
ggcagctaac attaagagaa gggggaaaga gaagaagaga gcaatagctt atgggagagc 960
tgagatctta cttcgttgac ccatattttt cccctgacca agttacctgt aaactggaat 1020
ttgcaagggg atgctgtgat gataacccct ttctattgct gtaatgttca tataacctgg 1080
gaaactgaga gaaggggatg tgtaaataaa agcttaaaca ttttagtaat gtgttaaaat 1140
gtcactctct cttaccctgt ttccctttt tgccagatga tgatttttt attttattt 1200
tgtactttac tggatgactg tgaagcgatg agtattgggt tggggtaggt gtgttgattt 1260
tgagagtgca tgttaagaac tgaaggggaa ctacttgaga tgacttaaga agcatcccat 1320
gcaaatatct tgttttgccc taataaaata ttcagaaaga taaaaaaaaa aaaaaaaaaa 1380
aaaactcgag gggggcccg gtamccaatk cg 1412

<210> 413
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<400> 413
agctctgttt ctgatagagg tggttggggc tctcatccct agatcctaac cctttagtat 60
gctggaattc tactcttcac ttactgcatt gactgttgtt gattagttat tattgcaaag 120
cactgtcacc ggcctcaggg agtttatgtg taatagaatt aaaaataata gctgtgtata 180
acacttagct caagccacgc atgtgtgagg catttggtat gtatctgaat taattctcac 240
taaaattcag caaaggactt gatagcctct ccccgccttt tcaataaagg atgaatgaag 300
gttgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacccc gggggggggcc 360
ccnt 364

<210> 414
<211> 1333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1285)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1306)
<223> n equals a,t,g, or c

<400> 414
cagggcagga aagtgacatg gctaggtggc tcttaccctg ccttccgcct ctccacagtg 60
tgacaagctg gctgctgact gtgcccacga gctgcggcgc catggggtca gctgtgtgtc 120
tctgtggccg gggattgtgc agacagaact gctgaaggag catatggcaa aggaggaggt 180
cctgcaggat cctgtgttga agcaggttgg caaggggagg gcgaaggaag cagagaacag 240
gggagtcggc ctctgcatcc tcaataacaa gatcagatac tcccactcac caggtgctta 300
ctgtggcagg tgcagggctg agcatgggac acacattatt tcctttaatc ctgtaaggga 360
gataccagct ccattctaca gatggcaaaa ctgaaaccca gagaggttta gaaacttgtt 420
gaaggtcaca tatgtcctaa gtggaaaggc tgtctagctc caaagaccat gcacttgacc 480
cccacaccag ctagcttaga aggtccaaac actatttggc actaccagat ccttccactt 540
agcaaagaca gcagatcctg gtgccagggc acagggctca cctggatgtg gggaggagtg 600
gctctggcac ctgccaatac tttgggtcct acaggccctg cttgaggtct ttggcctctt 660
tggtctttgg tctttttctc ctggaacaga agttgaaatg gggaggagac ctgggcagtg 720
ctcttggaaa ttaacccttc acttctctgc ccctgtgttt cagttcaaat cagccttctc 780
atctgcggaa accacagaat tgagtggcaa atgtgtggtg gctttggcaa caggtgaagt 840
ttgggggcag ctggtaataa gaaagggcat ggaggatgtg tagtgcggta gcatccagtg 900
cccagatctg gctcgggagt tggttgagga acatgtcatt cttttctctg ctttttgagg 960
cccaaggggt cagcattccc agtttgaggt ctgagagcct taggagcagg ctcctgggaa 1020
gtgtggaaaa agtccaaggc ccaagagaaa gagctctcca gggatcctga gctccagggc 1080
tctcarcagt gccctgtcca actgggccca aaccttgtca ctctgcatac tcccctgcyn 1140
gccatmwcca cctgtmtgtg tgcccgcaga tcccaatatc ctgarcctga rtgggnaagg 1200
tgctggcatn ctggggacct tgcttcgacg ctatgggcct tcgggnatgt gggaccgggc 1260
cgccccggtc caagaactat ttggncnttt gaacctctgg gtcctnttta acaacgtggt 1320
tcccgggccc tgg 1333

<210> 415
<211> 3146
<212> DNA
<213> Homo sapiens

<400> 415
tctcttacaa gttgaagctg catggggctt agaaactttg catcttgaac tttcgaacaa 60
cctcaagaag tagttcagtc cacatgtgtg gccactttcc ctgaggcttt tccaattacc 120
ccaattcgaa ttgcctgtgg caaggagtgt tggccattgg gaaatatcat aggtgttggc 180
ccccagtgta gagttatgtt cataagtctt tgagttggaa acctttactt tccttcataa 240
gtccatctat tcctataaca ttcttaagaa atgttacttg ggttatggtc aacttatgtc 300
gccacaaaga cccaccacca ccaatggaaa ccattcagga gattcttcca gccctttgtg 360
ttttaattca tcacacagat gtaaatatac tggtagacac agtctgggcc ctctcttacc 420
ttactgatgc tggcaatgaa caaatacaga tggtaataga ctctggaata gttcctcatt 480
tggttcctct gctcagccac caggaagtta aagttcagac tgctgcactt agagctgtgg 540
gcaacattgt tactggaact gatgagcaaa cacaagtagt tttgaactgt gatgctcttt 600
cacacttccc agcactcctg acacatccca aagagaaaat taataaagaa gcagtgtggt 660

tcctctccaa catcactgca ggaaatcagc agcaggtaca ggcagtaatt gatgccaatc 720
ttgtaccaat gataatacac cttttggata agggggattt tggcactcaa aaagaagctg 780
cttgggccat aagtaactta acaattagtg gaaggaaaga tcaagtggct taccttatcc 840
aacaaaatgt tatcccacct ttttgcaact tgctgactgt aaaagatgca caagttgtgc 900
aagtagtact cgatggacta agtaatatat taaaaatggc tgaagatgag gcagaaacca 960
taggcaatct tatagaagaa tgtggagggc tggagaaaat tgaacaactt caaaatcatg 1020
aaaatgaaga catctacaaa ttggcctatg agatcattga tcagttcttc tcttcagatg 1080
atattgatga agaccctagc cttgttccag aggcaattca aggcggaaca tttggtttca 1140
attcatctgc caatgtacca acagaagggt tccagtttta gaaagatgtt gtggaagtta 1200
ggtacaatgc agcactgaga tatatatata tatatgtgtg tgtgtatata tatatatata 1260
tacatatata taaaaaggtt tgatccatca agcttggctc atgggatctg ctgctgcatt 1320
aaatcgggaa agaaaatgtg aagatttcat ttggaatcac agaaaatgcc caaatgaggt 1380
caagatggcg agtgggtgcg agtgagaatg agtggcaaaa tgtaatgaaa actttacatg 1440
aatgcttatt taggttgttc aaagtaaaaa gggctacagg tcacagatcg tcagtgcctg 1500
agaaagaaca ttgacttact ctatatcaat tgaggggaaa gtgcagtacc gtcatcttca 1560
agccttgtaa gcataaaaga gaataggctg cccatataag tcaaaggaaa atgagcccag 1620
gccttgctat gaagcagtgt gtgaatggac aatgttgaat gaatgtctgg ctcagtgatg 1680
gagagccagg ttcatctttg aaatctaggg ctcttcactc atgaagcaga ctcctagtcc 1740
tggagtgact gtgtacgaga gcgtggttgt ggtgctgtat gtgaacgcat gcaagcttga 1800
ttcaccttca gggggctgat aacctagtaa atcatcaaaa tgagatcata agtgttaatg 1860
tacactggac atgaaaacaa agactggttt agcagcagac attggtttac tctgcagcct 1920
gtgttttctg tttccccctt tcccacctcc ttcccccccac ccaatccttt ttttttcctt 1980
ttttgctttt cttttctttt tttttagttt ttatttactt tacctagtat gccttttttt 2040
agttgcttct caagtcagaa aacttttcag gaaggtttcc ctgtgcattt gcaccagatg 2100
aatgtttgat gctatgaaaa gctttccata tcatcaaaac taatttgtgt agatttttgc 2160
atgaaaaaaa tcataaattt ccctcaaaat agactgtgtt gcagtacaca agttgccata 2220
atagtataaa acagtaaaat gtgcttaaaa ggccatcctt ttcattttca gagataacat 2280
aaagatcttt gcatgaggta aatctacagc atagttcatt tttagatttt gttgagtcct 2340
gtaaagaaga agaagaaaaa agtttcagtt gtggtagaat accgtgctgt gtttaaatgt 2400
tacttgtttt caaactttgt tttctatgaa aatgatatgg aaacttctaa aatggaattt 2460
ggtgcatatg tactgctgaa taaagaccga tgaagaggtt tgagtagatg tacaaatcaa 2520
gtaatggttt gaacaccttt aataatatgc ctaatctgtt caattgtttt agaatctttt 2580
tatcttagat gtaggcagcc atgaacaatc tattttgagc cactttaggg agaaaacttt 2640
gtatttttaa aacttgcata aaagttatgc aagtggtttt tataaattgg aataatacct 2700
cagttttgag gttatgcaca ctaaattaaa tgtgacataa attaatttgt acaaaaagaa 2760
ctctttataa ggtggctcat tgtaggaaat cctgtgcctt ccccttttgag cacaagtgtt 2820
gcatgaacaa cagtttgcta taagaaacat accagattag ccaccattag catctatatc 2880
tactttgtgt ttaaaaatca actggtaatt ctgaaacact gtagaatgga taaaaattat 2940
tttgtgatca taactctttg ttgaactaga gtatttttgc agcattcctt gtcatcagaa 3000
acatggttaa agtttaaaac tagaagcagc agaaaactag cttgtaaaat ttatccaagt 3060
agagtgcagg ctaggctgtc ttggggaaat aaacattaaa acttaaagca aaaaaaaaaa 3120
aaaaaaactc gaggggggc ccgtac 3146

<210> 416
<211> 594
<212> DNA
<213> Homo sapiens

<400> 416
acatacgaaa tttgacaggt attgtatacc ctttggatct ttaggaatta atttttgcct 60
ctgtcactca gctttgtata ttttgaaatg gagataagta tagggaggtc ttggaaggaa 120

aattgccaga attcccaaac catgtaacac tcattgagaa ttccagatcc attatatcta 180
aagggcaagt gaaggaaaca gtattgtgaa ctgggtataa ctccttggtt cttaactagt 240
acattcttaa tctgtgagac ccaaaggttg ataaacaata atttaagatt gtacagtact 300
ctaaacgtct gcaaaggtct agatgttatc agtatcacta gtttttattt ctgccagtag 360
ctccctttta ggttacattg ttgtcctctt tccagtgtsg catctgtcat tggtttttca 420
ctatggcaag ttcattaaaa agcttgctcc attgttatct tcaagtaatg cccataagga 480
gatggaagat atctgagaca attaaggctt tagcttctag gcaagagaaa taacgttgca 540
ttaaatttca agtttctttc tgctagactt gaatgtgtct agccactcta attt 594

<210> 417
<211> 562
<212> DNA
<213> Homo sapiens

<400> 417
gggaagggtt ccaagcctct aaaaatgtgc tttgtgatca ggagtgcgct ccaaaccaaa 60
tacgcgcgct gccctttcga ggccagtgag ctcagcctcc aaggctttaa agccacattt 120
cagcaagaga aagcgctgag agctcgcagg ttcattaaag aaggcaaagc actggtttct 180
ctccttagaa aagtaggttt cttggcttga tgtagactgg cttgctttga tttttagtga 240
agggaatgta cgtaaaacaa aatagggctt ggctggtcaa aggagacaag caggatggat 300
ggatggatgg atggatggat gtatggatga atagatagat ggtgtttgca tgtaaattgc 360
agagaaaaca aaaccaaagc tgattggaaa caattaattg tgggtgtctg agggggaagg 420
tcgcagcttt gggcagcttt gagaagcggt acaagagttc tgtgcctgtg tgtccagccc 480
tggagccagc cagtgcattt attttaagct cttagaagca actccttggc ccaggaatgc 540
gtgacccctg agatgggtcc ac 562

<210> 418
<211> 1412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1218)
<223> n equals a,t,g, or c

<400> 418
gggggagccc gcggctgctg ggagctgcgg cgctggccct ggggggagcc ctggggctgt 60
accacacggc gcggtggcac ctgcgcgccc aggacctcca cgcagagcgc tcagccgcgc 120
agctctccct gtccagccgc ctgcagctga ccctgtacca gtacaagacg tgtcccttct 180
gcagcaaggt ccgagccttc ctcgacttcc atgccctgcc ctaccaggtg gtggaggtga 240
accctgtgcg cagggctgag atcaagttct cctcctacag aaaggtgccc atcctggtgg 300
cccaggaagg agaaagctcg caacaactaa atgactcctc tgtcatcatc agcgccctca 360
agacctacct ggtgtcgggg cagcccctgg aagagatcat cacctactac ccagccatga 420
aggctgtgaa cgagcagggc aaggaggtga ccgagttcgg caataagtac tggctcatgc 480
tcaacgagaa ggaggcccag caagtgtatg gtgggaagga ggccaggacg gaggagatga 540
agtggcggca gtgggcggac gactggctgg tgcacctgat ctcccccaat gtgtaccgca 600
cgcccaccga ggctctggcg tcctttgact acattgtccg cgagggcaag ttcggagccg 660
tggagggtgc cgtggccaag tacatgggtg cagcggccat gtacctcatc agcaagcgac 720
tcaagagcag gcaccgcctc caggacaacg tgcgcgagga cctctatgag gctgctgaca 780
agtgggtggc tgctgtgggc aaggaccggc ccttcatggg gggccagaag ccgaatctcg 840

ctgatttggc ggtgtatggc gtgctgcgtg tgatggaggg gctggatgca ttcgatgacc 900
tgatgcagca cacgcacatc cagccctggt acctgcsggt ggagagggcc atcaccgagg 960
ctccccagcg cactgaatgt cccccgcgca gagcagaggg aaggcaagcg gaagacgcca 1020
gctgcccaag gcctgggcca ctggggccag cgcctggcga tactggttgg gggcaggatc 1080
attctgcccc ttgtccacgc acccccacca gccctctcgc ttctaacaca gggcacctgc 1140
tggggctcag ggatgttagg gacgagttcc agccctgcca ctgccctggg gcgacccctc 1200
cctgtccctg cctccctntc tgccgccccc cttcctggac cctcagtggc tgtcccatgg 1260
ctacatcctg tgggtggggg ccctcgacag gacagcagga cggtttgttt tcagtggaat 1320
cccatccctg ggttcccctg gttcccactc ttcccaagcc tcccgggact gggacatgtt 1380
tgcaataaag gaaaggtttg tggcgccaaa aa 1412

<210> 419
<211> 1939
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1872)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1884)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1889)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1924)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1929)
<223> n equals a,t,g, or c

<400> 419
gagaagacga cagaaggggg ccgtcctctc agtggtagcg cggggactgg ctgggaagcg 60
gtcggtcgag tgtggcctgt gtggactcgc atcttgcccg aagccgggcg gaggagagct 120
caagctaagg gtgatcagcc catgacctaa acctccagac aaaataaaac ggaaaatttg 180
ctagaatcaa gaatgatgga tccatgttca gttggagtcc agcttcgtac tacaaatgag 240
tgccataaaa cctactatac tcgtcacaca ggttttaaga ctttgcaaga attgtcatca 300
aatgatatgc ttttacttca acttagaact ggaatgacac tttctgggaa caatacaatt 360
tgctttcatc atgtaaaaat ttacattgac agatttgagg atttacagaa gtcatgttgt 420
gacccattta acatacacaa gaaattagcc aaaaaaaatt tgcatgtaat tgacttagat 480
gatgccactt ttctgagtgc taaatttgga agacagcttg tacctggttg gaagctttgt 540

ccaaaatgca cacagataat caatggaagt gtggatgttg atactgaaga ccgccagaaa 600
aggaaacctg agtcagatgg aagaactgct aaagctttga ggtcattaca atttacgaat 660
ccaggaaggc aaactgaatt tgctccagaa actggtaaaa gagaaaaaag aaggcttaca 720
aaaaatgcaa ccgctggttc agacagacaa gtgataccag caaagagtaa ggtctatgat 780
agccagggtc tcctgatttt tagtgggatg gacctctgtg actgcctgga tgaagactgc 840
ttaggatgtt tctatgcttg tcctgcctgt ggttctacca agtgtggagc tgaatgccgc 900
tgtgaccgca agtggctgta tgagcaaatt gaaattgaag gaggagaaat aattcataat 960
aaacatgctg gataatctgc ggtaccaaac tatggagcct ttaaaggtct ttatttctaa 1020
aaatctgtta ctctaagata cattttaagc ttgattatca tatgacaaag attttaaaac 1080
catctcagtg tgccctaatt tttcatcttg ggtgctttaa gattcactat ttgatataaa 1140
ttcagatagg ctatttttca gtagtcagcg ttaagcctgt ctggatcaat ataaacaagt 1200
agggtgtagg cagtcctcta tttgcatgtt tcccatgggc acaaatttca gtgacctaga 1260
tttagtttaa ataccagttt ccttaccagg aaggaaagaa aactggtaag gaaactgttg 1320
ttgttaaaat ctaggttaaa attttagtta gcacattgta actgagtaat tacatgaagt 1380
acaaacctct ctgctagctc ttcagtctac aaatcgctat gtaaataaca gatatgcttc 1440
atgattgtga ccagtcatgt tatttctttc aaattcttcc agtggtttgt ccctgtgcat 1500
ctgttaattc agttcacgta cagcagagca tgtagttatg ctgtctctct gtcatctact 1560
tgacattcta tagaagtgaa cactcgaaag aactggtcaa caaagatgaa agtgcagcaa 1620
agcaatgaaa aatgataaca ctggaagtga aattttaatc aaacataaat gaatttgtag 1680
aagaagtcac tgaccatggg aatgttgttc ttgctgctgt gtattcatag gagcttagtg 1740
aaggcaaact taccaacaca aataagcaaa gtggttgcaa taaagacaga tacgtcccag 1800
aggaagtgat ggttaaaaaa aaaaaaactt tacmttaaaa grtatttaat gtgaatatrg 1860
raatattyca cnacmttgaa agcnccagnc ataaagggtg gaagctggcc ccaacttaga 1920
aggngtatng cagttgccg 1939

<210> 420
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<400> 420
ggaaggctga ggtgtgcgcc ttttttttt ttccttctta gtcgtgtgta catcattggg 60
aatggaggga aataaatgac tggatggtcg ctgcttttta agtttcaaat tgacattcca 120
gacaagcggt gcctgagccc gtgcctgtct tcagatcttc acagcacagt tcctgggaag 180
gtggagccac cagcctctcc ytgaataact gggagatgaa acaggaagct ctatgacaca 240
cttgatcgaa tatgacagac acygaaaatc acgactcakc cccctccagc acctctacct 300
gttgcccgcc gatcacagcc ggaatgcagc tgaaagattc cctggggcct ggttccaacy 360
gcccactgtg gactctgagg cctctgcatt tgcgggtggt ctgcctgtga tattttggtc 420
atgggctggt ctggtcggtt tcccatttgt ctggccagtc tctrtgtgtc ttaatccctt 480
gtccttcatt aaaagcaaaa ctaaagaaaa aaaaaaaaaa aaaaaaaaaa aatttggggg 540
ggggncccgn tacccaattg ggcctttagg gggggg 576

<210> 421
<211> 951
<212> DNA
<213> Homo sapiens

<400> 421
gttttctttc ttttcaaatt tgatattgtc attattttaa aatagtaagt tttctttaat 60
agtcttttgg gacctaacat acccttttctc atacaattcc taatgctctg tttatggcag 120
ataatctgta atgttatgaa gacctatcaa aaagttttaa aagtatttct gtcttcaaag 180
gtagtaagac aggattaaat ttttattaga atagacaaat cagtgaatgg tatgcatgta 240
tctagtggtt actagaactc aggrtcacac aatatagtag catcacgrtc tgwgyatatt 300
tttgatcaag atgatrrtaa tggccttact tgggttttta tcgtttatca aatcttacat 360
acaaaagagt ggaagtattc ctttacaaaa tttctaagga aaatatttct tccaatctat 420
cacaattata gaatggatat atgtttctga aaagtttttg aaagaaagca aaagttctag 480
aactaaagta agctggtatt taatatcccg ttgatattta gaaaagattg ttaataagaa 540
atggaggatg catttagtac tatttttatc cactagttca ctttcagtac agttatgtat 600
acttgttttg attgagagtg tgacatacat gttaaatcag attagcttgt ttcttttaaa 660
tatacatata cacaaataca tataattttt tcyccytttt gttgtgcata tcyctatgca 720
tttttaaact tttagatttg tgaatgacct atgtgtaaat ttttgttttt ataaaccaga 780
aattatacaa gttttaatgt gtgtcaagaa cttgttccat acaactgtgg tatcgagcaa 840
taatgttaat aacttttgga attatataaa ctatgcttaa taatttgtat tgagaattgg 900
taccactata caatactttt ttcctgtatt aaatctttta aataccaaaa a 951

<210> 422
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<400> 422
gccgaaatga antaaacggg gtaaacactc ccctgctgcc cctccctctc tctccctctc 60
tctccctctc tctttnaccc tccccagggc tccatctccg cctcaggggc ttctccaccc 120
caartctggc tccattcctg gycwtctgtt ggtgacagac ccccccctaa ggtgctcgtt 180
tgggggctct tcaggcagca cctcagcctg gcacccccac tcccctgcgc agcccccagg 240
cctcaggacc ccacccctct gaggcccagg ggagccctgt tcacgctggt ttctccccag 300
gacccatgag cttcctggct ggcctgggcc ttgctgtggg actggccctg ctcctgtact 360
gctatccgcc agaccccaag ggcctgccag ggacccggcg cgtcytsggt ttytsgcytg 420
tcatcatcga cagacatgtc agccgctacc tgctggcctt cctggcagat gacctagggg 480
ggctctgaca gaccctggac ccagggcctc acctgccact caaccaaaga gtcctcgagc 540
cggcccgcca aggggactgc tgcttctttt tctaaatgca tatttttcat tatttataat 600
ttgtgtaaaa aacacacctt caccttacaa ggtgctgacc atattaaatg ttcaggttct 660

ctcaaaaaaa aaa 673

<210> 423
<211> 2073
<212> DNA
<213> Homo sapiens

<400> 423
ggtgccatcg gcacttcctc ccccgccctc ctcgagtgcc aagaaggtgt tggaccagcc 60
cgcccttccc tactggtgcc ccctcctccc cggcmaaggc gcctggacct ggcgaggacg 120
ctgcccgccg agcggactga ttcgcagagt ctgtacatag tgtatattgc tctacccggc 180
cgcacaccac gtcctgctct ggcttttgcc ttcttgatgc cagcctgctg caacagaccc 240
tccccgcgcc cctccccagc ccatcttact gcaagcagcg tcctgaggag acagcggcac 300
gttctagctg cgtctgcggc cagcccgtgc cagtggagtg ggctccgcgt tgctcattct 360
ctccgacagg ttgtcagcct ctgtccccgc tgcacagggt cttgcccctt ctccggggcc 420
tgtgccagct cccttccctc cccgttstcc tgtccccaca gccattctgg gagctgggga 480
acctggtctc aaggcaggcc ctgcagttcc acagaggtgg caggtcttgc cctttggcca 540
acagatttct tgtcctgcct tctagatgcc tctgagctcc aaacccaggg cagccatggc 600
ttctcattta caccaacagg tttcagttcc aacagaaagg tcggggtagg ttcgtgcaga 660
gatggggctg gcaggggggc tatgggagga ttattttaac agatcaagaa aatgaagcca 720
aatcaagtga attaaattcc tcacaattat tttctttccc tgaggtttga ttggcacagc 780
agcaaaagtt gaggccaccc cacttgtgtc cactgttttt agaaaaaaat gaatggcttc 840
ctgccattgt ggggctggac tcttgggctt tcttggtggg agcggagaag gggcctccca 900
cccttgtccg agttgcctcc cactggaggt caggagtcta cactgcagcc tcgggcactg 960
tggggagtgc atgcctgggg cctctgggtg gggaccatgg acaggccctg gtcactgtcc 1020
taacctttgt caggacaaag gtagcaagag gatttcctgg cgggtgggaa ggaatggctg 1080
gggcggccag ttttgacacg ccccagtgcc ctggagaaca accagggtca tctgcacttg 1140
atgactgctc cccgaccccc agcccggaca cctcattccc ctcccactac agggatcaag 1200
tgacctggga agaaccgagt ttaacaccag gatgtgtttc cttagatttc ctttcctagg 1260
cgatttccag ggagagccct gattggacaa tcacatcaca gatcacactg cagtttccat 1320
gttagcactg tggatgggtt tttaatcaat aaaaactggg ggtttcttct caccgactct 1380
ccacttgccc aaactgccaa aagctggtga ttctgggaca ggccttcact ttggagccac 1440
gggatggggt gggggagccc catgggcctg ggaaggaggg tgctgtggag ggggctgcag 1500
ggctgaccag caggcagcct catctggtcg ggggcggggg cggcaggagc agaagcgggg 1560
tctccgtcct tgggactgtc ctggttggcc acgggccctg aggatgcacg gtgcctgggg 1620
ctcctgtgcc ggtgggcggg gggcatgctg gcctctgagc gatcaggcga ggccagcgag 1680
ggtgtgcttg caaattcaag caataagagg ggggttcctg ggggcttcca gcccaggcta 1740
gaagccccca tggcttctgg cagctggaca tcagccccag gtattggggt gattttggtc 1800
atgacagtgt gcctgtccca ctgttacacg catgaatggg ggttatgggg tgggggtggg 1860
gactcarggc tggaccgacg tcctagtgga cctgatgtga aattcctgtc aaacaaacac 1920
cacttttcaa tggtttgcta ggagtatttc tgtattgaaa gtttctaatt atgcttttta 1980
aaaaaatact aaaaataaag gttcaagctg ccaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2040
aaaaaaaaaa aaaaaaaaaa aaagggcggc cgc 2073

<210> 424
<211> 2609
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2585)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2602)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2609)
<223> n equals a,t,g, or c

<400> 424
cccacgcgtc cggcctcccc cgcggtggcg ncggcggcgg cggtggctgc ctggcggctg 60
agagtccaga gccggacgtt ccgccgcttc gggctggcgg ctggagagcg ctcgggtcat 120
gtctgcccag ggggactgcg agttcctggt gcagcgagcc cgggagttgg tgccgcaaga 180
cctgtgggca gccaaggcgt ggctgatcac ggcccgcagc ctctacccgg cagactttaa 240
catccagtat gagatgtaca ccatcgagcg gaatgcagag cggaccgcca ccgccgggag 300
stgctgtacg acatgtttgt gaatttccca gaccagccgg tggtgtggag agaaatcagc 360
attattacat cagcattaag gaacgattca caggacaaac aaacccaatt tttaagaagt 420
ttatttgaaa ctcttcctgg tcgggtccag tgtgaaatgt tactaaaggt cacggaacaa 480
tgcttcaaca cgttagaacg atcagaaatg ttgcttctac ttttgaggcg cttccctgaa 540
acggtggtgc agcatggggt tggccttggg swggcactat tagwggctga aactattgaw 600
gaacaagaat ctccagtgaa ctgctttaga aaattatttg tttgtgatgt ccttcctcta 660
ataattaaca accatgatgt tcgattacct gccaatttat tgtataagta cttgaacaaa 720
gcagctgaat tttatatcaa ttatgtcact aggtctactc aaatagaaaa tcagcatcaa 780
ggcgcccagg atacatctga tttaatgtca cctagcaaac gtagctctca gaagtacata 840
atagaagggc tgacggaaaa atcatcccag atcgtggacc cttgggagag gttgtttaag 900
attttgaatg ttgttggaat gagatgtgaa tggcagatgg ataaaggaag acgaagctat 960
ggagatattt tgcatagaat gaaggatctc tgcagataca tgaacaactt tgatagtgaa 1020
gcacatgcaa aatataaaaa ccaagtggtg tattccacca tgctggtctt ctttaagaat 1080
gcattccagt atgtcaacag catacagcca tctctcttcc aaggtcctaa tgccccgagc 1140
caagttccac tggttcttct tgaagatgta tcgaatgtgt atggtgatgt agaaattgat 1200
cgtaataaac acatccataa aaagaggaaa ctagctgaag gaagagaaaa aaccatgagt 1260
tcagacgatg aagactgttc ggcgaaagga agaaatcgtc acattgtagt caataaagcc 1320
gaacttgcta actccactga agtgttagaa agctttaaat tggccaggga gagctgggag 1380
ttgctctatt ccctagaatt ccttgacaaa gaatttacaa ggatttgctt ggcctggaag 1440
acggatactt ggctttggtt aagaatcttc ctcactgata tgatcatcta tcagggtcaa 1500
tataaaaagg cgatagccag cctgcatcac ttagcagctc tccagggatc catttctcag 1560
ccacagatca cagggcaggg gaccctggag catcagaggg cgctcatcca gctggcgacg 1620
tgccactttg cgctagggga gtacagaatg acatgtgaaa aagtccttga tttgatgtgc 1680
tacatggtac tccccattca agatggaggc aaatcccagg aggaaccctc gaaagtaaag 1740
cccaaattta gaaaaggttc ggatctgaag ctcctgcctt gtaccagcaa ggctatcatg 1800
ccatactgcc tccatttaat gttagcctgt tttaagctta gagctttcac agacaacaga 1860
gacgacatgg cattggggca tgtgattgtg ttgcttcagc aagagtggcc acggggcgag 1920

BNSDOCID: <WO___0122920A2_I_>

aatcttttcc tgaaagctgt caataaaatt tgccaacaag gaaatttcca atatgagaat 1980
tttttcaatt acgttacaaa tattgatatg ctggaggaat ttgcctactt gagaactcag 2040
gaaggtggga aaattcatct ggaattacta cccaatcaag gaatgctgat caagcaccac 2100
actgtaactc gaggcatcac caaaggcgtg aaggaggact ttcgcctggc catggagcgc 2160
caggtctccc gctgtggaga gaatctgatg gtggttctgc acaggttctg cattaatgag 2220
aagatcttgc tccttcagac tctgacctga gtggagacct ttccaccaga cacagctcgg 2280
gcctgtgtaa ttgtaggaga agacactcag cagtgattgc catggcacag agccgtggtc 2340
attgttgctg ttacaaagaa gaaaaccatc tgagttctaa ctccttggtt gcttaaaagt 2400
agttcccaag agtctgagaa gctatttcta tttttaagag tcatttttttg taatttttgt 2460
aaaacaaaag taccaatctg ttttgtaaat aaaaatcatc ctaaaattyg aaaaaaaaaa 2520
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2580
aaaanaaaaa aagaaaaaga anaagaaan 2609

<210> 425
<211> 987
<212> DNA
<213> Homo sapiens

<400> 425
cagtgtcaca tgcctgtaaa cccagctatt caggaggctg aggtgggagg atcggttgag 60
gccaggagtt tgaggctgca gtgagctatg attgcacagc tgcactccag cctgttcctg 120
agacctcatc tcttaaaaaa taaaaaataa aaagtctaag aggatacaca gaaattttta 180
agtggttacc tccacggaat gggattaggg gatcagaggt gagggaactc atggtttggc 240
tatttctcgt tctttctgca ctgtttcaaa tttttacaag tgtatgttat tgtactttta 300
aaaagattag cttggcaaca agtctagcct gaaatgggtg ctattttgac tagtctgagt 360
gaaaagtgag gatttaaatg aagtaacccc taaactcagc cagtcccatg ttttttaac 420
acttggaata tctaattcca tttacactgc attcttcaaa tgtaattttc aaagatgcct 480
tttgcctcat cccttgcttt taagtattat tatagacttt tggagactca cgaaacaagc 540
aatccctaaa ttctcgccca ggaaagtatc ttggattaaa tggtttttga gaaccttgag 600
agtgtatatt ctatgaaatg gaagaaacaa gaactagaca gagtcacaaa tgctgttgat 660
cacagacaat ctctgccatc cataaggtaa atgtaataca tctggcgacc tgctgagtgt 720
gaacttgcag caggtgagga aggaactctg aactctcaca atcttgtttc ttcatttccc 780
agagagaaac tcggcaaaga gaaaaaggac atttccctcc aggttatctg aaagaatttc 840
aatgcttacc tttaatcatg tgacattgtt tatcttggat taaaagaaaa gaaaatgtat 900
ttattttgtg catattttca ataaaatata taaaatcgag ttggtatata gtgccaaata 960
ccattaatta aaaatatttt aacctga 987

<210> 426
<211> 1726
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<400> 426
tggtagtctc ccaantcctg nggtccagta agtagcttag aacttcctgg aaacatttca 60
tctgagcagg tttcccacgt gtgggatgct ccttttgcct catctgtctc agggatgcag 120
gctccccccgc atgcatgggg atttctcccc agaccagcat acttgtgacc tgagagttca 180
atgygtaaag atgcccctgg tcagccatat ccatcttctc ttgcctggtc cttgattctc 240
tggccgctcc ctgaccttcc tccttccact gccttgactt tcttcctttt tattcctggt 300
gccatctgtc caggcagcta gacaagaact tgttcaccag cagccggatt caggccttcc 360
caggggcata ataagtgacc agcccctcct ctccggacat cagatccaac acataaggac 420
cctggcctac cctccagccc aacagccagt tctgggtcag ctgccaactt aggggtggtt 480
tgattatccc attgaaattc accagtgcct ttgccaaaga ccctctcatt tggacatacc 540
cagattcatt ccctggctcc aactgaaaag actcagtttc aatcgttaaa agttccttta 600
gggccagaag aataaatgaa ttataatccc attttgaaga accgatttat aaccaatgaa 660
aaggttataa tgtaatttat attcttggag gaacaagatt ttcatttggg attatttcct 720
tcaaccattc aacaaacatt tgttgtatgc cactaagcgc caggcacggc gttgggctct 780
gcaaacacag tggttagtag cagtctggac ctggtcccta ctggcatgga acccatcact 840
ccccaacatg caaagcccac atttaaaggc cagcctctgc cccttcagtg atgcgctctt 900
tagaaatgcc wgyccactat attcagaaat ccgcaggcac aaaacttcca gcaagtcact 960
gttgtggtga aatgggcagt gggggtgggg ggtcttcttt aaacaggccc ccttcccatc 1020
tacctagcca gtacccatcc aatgagtccc cagagcctcc agaagctgtt gtctcctctc 1080
tggggacagc agctcctgcc tttggaggcc aaagccccag atctctccag ccccagagct 1140
gaaaacacca agtgcctatt tgagggtgtc tgtctggaga cttagagttt gtcatgtgtg 1200
tgtgtgtttg gttaatgtgg gtttatgggt tttctttctt ttttttttt ttttttttta 1260
gtctacatta gggggaagtg agcgcctccc atgtgcagac agtgtgtctt tatagatttt 1320
tctaaggctt tccccaatga tgtcggtaat ttctgatgtt tctgaagttc ccaggactca 1380
cacacccgtt cccatctcac ttgcccaccc agtgtgacaa ccctcggtgt ggatataccc 1440
ccgtggactc atggctcttc cccaccccca ctttctataa atgtaggcct agaatacgct 1500
tctctgttgc aaaactcagc taagttcctg cttccacctt gatgttgaaa tatcttatgt 1560
aagagggcag gggatgtcgt gaagatggca agaagaacac agtttcaaat ttctggaaaa 1620
gagcctgtgg tggagatcta aagatgttta gggaagagct cgactaaaga acaatgaaat 1680
aaatggtcca aggggaagtc aaaaaaaaaa aaaaaaaaaa aaaaaa 1726

<210> 427
<211> 1528
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<400> 427
gcctgggcgc cgtgggcgcg gnactgcgcg ggctgcgcgg gtgccgagga gcgcgaggcg 60
cgggggggaa ggcgcacctg gggtggccct ggcgtgcggg cggcgacatg gaggacggcg 120
tgctcaagga gggcttcctg gtcaagaggg gccacattgt ccacaactgg aaggcgcgat 180
ggttcatcct tcggcagaac acgctggtgt actacaagct tgaggggggt cggagagtga 240
cccctcccaa gggccggatc ctcctggatg gctgcaccat cacctgcccc tgcctggagt 300
atgaaaaccg accgctcctc attaagctga agactcaaac atccacggag tacttcctgg 360
aggcctgttc tcgagaggag cgggatgcct gggcctttga gatcaccggg gctattcatg 420
cagggcagcc ggggaaggtc cagcagctgc acagcctgag aaactccttc aagctgcccc 480

BNSDOCID: <WO___0122920A2_I_>

cgcacatcag cctgcatcgc attgtggaca agatgcacga tagcaacacc ggaatccgtt 540
caagccccaa catggagcag ggaagcacct ataaaaagac cttcctcggc tcctcctggt 600
ggactggttc atctccaaca gcttcacggg cagccgtctg gaggcggtga ccctggcctc 660
catgctcata gaggagaact tcctcaggtc tgtggctgta cgatgcatgg gaggcattcg 720
gtctggggat ctggccgagc agttcctgga tgactccaca gccctgtaca cttttgctga 780
gagctacaaa agaagataag ccccaaggaa gaaattagcc tgagcactgt ggagttaagt 840
ggcacggtgg tgaaacaagg ctacctggcc aagcagggac acaagaggaa aaactggaag 900
gtgcgtcgct ttgttctaag gaaggatcca gctttcctgc attactatga cccttccaaa 960
gaagagaaca ggccagtggg tgggttttct cttcgtggtt cactcgtgtc tgctctggaa 1020
gataatggcg ttcccactgg ggttaaaggg aatgtccagg gaaacctctt caaagtgatt 1080
actaaggatg acacacacta ttacattcag gccagcagca aggctgagcg agccgagtgg 1140
attgaagcta tcaaaaagct aacatgacaa ggacctgagg gaaccaggat tcctccctcc 1200
taccagatga cacagacaag agttcctgga gaatgggagt gttaagactt ttgacttctt 1260
tgtaagtttt gtactgcttt ggagagtgaa tgctgccaag agttcctcag attacaaaca 1320
gcagtggtgc catttccttc cccatcttca tgttacaaac ctggaaaggc tagaacagcc 1380
attaggcgtc agcatcttga cttttcccca gcatcacaaa cagccatttc ctcgggcacc 1440
aaagtaggtt ccctttgttg gaacaattac actggccatg ccataatgtt gaataaaact 1500
ctcttcttaa aaaaaaaaaa aaaaaaaa 1528

<210> 428
<211> 2055
<212> DNA
<213> Homo sapiens

<400> 428
aagaggacag tgatagatgc atttkcccca ggctgtctca gaaaggtcgc taaatgtata 60
ctgttgtcag aattgctgag atctcccccc acttttrgtt tttrsagcag taaaaactct 120
ttccactgtg acttattttc tctctcaggc agccagccac ctggtccctt gtgctgactc 180
tagcacagtg gccaggatcc aatacgagtc caggggtgac cgcaggatgg tgggggcagc 240
gggcttctcc acctacccca gccaccaagg scctgacgca ctgyctcctg caccttcagc 300
acatccctgt gcacagctgg aagggtgcat ggcccgctca cctttgttca gatgggtgga 360
aacgctgatg ataccagctc ctccctkccg tgcccctgcc acggagcagg cattgtgaac 420
tggctggtgt ttgcagtccc acgtggcatg gcctccagcc caacccacag tggagactgg 480
agacagggca atgagtctgg tcgggggcac gtggacatgc cccatagggg ccccacccag 540
acttaacagg caaggtcctg ggcattgcgc gacgcaggac tcaatgctaa agcaagcctg 600
cctggctctg tgccagggcc cctcttctga tttacacatc ccatttttac acagaccctt 660
ccttcttaat aaaggctgac agttctgttg gcagccaaga acccacacca tgaagacagg 720
gagtgagggg cctttgtgcc caactccagc acagctgcgt tctggggtgt gtgagaggca 780
tgttcgtgtc tgtgcgctgg tggtctcgtg agacagttcc gaggacgggg aaattgcagg 840
gtggtggggg cgtgaggctt atatgtggaa ctgatgcaga gttcgcctgc agacggatct 900
ggatatacac tatgtataat tgttacgtgt aatttaaaat atatctgttt gccatcgtca 960
tgagaagatt atatgtaagg ctctgaaggg agagggagat gtacattctg ccaggctcct 1020
ggggacctta tccgagtcat gaaattgatg actgttgatc cagtggtgca agaagctaca 1080
ctccatgtgt catcacgctt atgactccta atgtattttt aaggcaaaaa atgtcagccg 1140
actccatctt caccctcga ttcctcgagt ccagcctttc tgtgccagtg cttcactgag 1200
ccacaacgct ctcgccatcg ggacccggct gggcctggag tctcggggca cagttgccat 1260
ggagccctcc tgggtcattc tacaaatgtg ctgagtgcca gctgaaaacc ccacaggaga 1320
tggagtacct tggccaagct taaagagaag attttctcag ggtatttatt agtgtgtcca 1380
gcagggtcag gaagcaggat ggaaagatgc attcagactg ttaatttatt aacaaggcaa 1440
atgattttgt gtttcttgat gacagactat taagtttggg acttattttc ccatttgaga 1500
agttataata tatatttaag atgataagtt tcctgcttaa gttgtgcctt tcagcttcaa 1560

tgagtttaag gagcactaag ggtaatgata ccaatgaggg ttggtttatt atcaaacctg 1620
aatagctgtg gtttctccag taaatatttt cttctactga acatggagcc attattaaga 1680
gttgtgtgtt ttttattatg tacatttgta tatttttttg cttgtttgat gttctatttt 1740
tctaatagtt ttcttttagt ttcttaaagt tgtgatacta gatttagatt ctgatgctaa 1800
ctgcaaatca ggttggtctc tgctgggtct ctcctgcttt tattttactt taaggacaag 1860
tgtagttgtc gtccaccacc tttcaaaaaa tgtgaaactg ccctgcctcc ccttttgct 1920
gacaacactg tgtacattga ccacttccta ccatacttta tgttgtaaaa tcaaactctt 1980
ttgtggtaca ttatctcatg cttctgcaaa ttcgaataaa ttctatggct tccaaaaaaa 2040
aaaaaaaaaa aaaat 2055

<210> 429
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<400> 429
ggcagagcag gcaccagctc gcatggctgc tgggcatggc cattggcggg tctragtgtg 60
ggccgctcct cgctaactgc atgcagcctc ccactctgcg catgtttgct tgggcagaaa 120
atgctgagac actgtggccg gacctgacag tcagcacttg gcagtgggct ctgtggaccc 180
agcatttctc atagcgtcaa cccacctctt gccttgttga ggctttttcc tttcagatga 240
gctgtccttg acattctgat gtggtgaaat ggttagcagc atggactttg gaaccagata 300
gacctagata caaaccacag tctaacattg ctwaccctgt gaaccttngg ggcaa 355

<210> 430
<211> 2834
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2828)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2834)

<223> n equals a,t,g, or c

<400> 430

cngacggtgg ggtgaccnac cgcgtccgcc ggtgcacgtt ggagtcataa gacggcgtcg 60
gtgttgcagt ctgtgtcctt ggaggtgacc agggccactg caggcatggt gctagcagag 120
ctgtacgtct ctgaccgaga gggaagcgat gccacgggag atggaaccaa ggagaaacca 180
tttaaaacag gtctaaaggc tttgatgaca gtagggaaag aaccatttcc taccatttac 240
gtagattcac aaaaagaaaa tgagaggtgg aatgttattt ctaaatcaca gttgaagaac 300
attaaaaaga tgtggcatag ggaacaaatg aagagtgaat cccgggaaaa gaaagaggca 360
gaagatagtt tacgaagaga aaagaacctg gaagaagcaa agaagattac cattaaaaat 420
gatccaagtc tcccagagcc aaaatgtgtg aagattggtg cgttagaagg atatagaggc 480
caaagagtaa aggtgtttgg ctgggtccac aggctgcgca ggcaaggaaa gaatttaatg 540
tttctggtgt tgcgagatgg tacaggttat cttcagtgtg tcttggcgga tgagttgtgt 600
cagtgctaca atggagttct cttgtccacg gagagcagtg ttgcagtgta tggaatgcta 660
aatcttaccc caaagggcaa gcaggctcca ggtggccatg agctgagttg tgacttctgg 720
gaactaattg ggttggcccc tgctggagga gctgacaacc tgatcaatga ggagtctgac 780
gttgatgtcc agctcaacaa cagacacatg atgatccgag gagaaaacat gtccaaaatc 840
ctaaaagcac gatccatggt caccaggtgc tttagagatc acttctttga taggggtac 900
tatgaagtta ctcctccaac attagtgcaa acacaagtag aaggtggtgc cacactcttc 960
aagcttgact attttgggga agaggcattt ttgactcaat cctctcagtt gtacttggag 1020
acctgcctcc cagccctggg agatgttttt tgtattgctc agtcataccg ggcagagcag 1080
tccagaacac gaaggcacct ggctgagtac actcacgtgg aagctgagtg tcctttcctg 1140
acttttgacg acctcctgaa ccggttggag gacttggttt gtgatgtggt agatcgaata 1200
ttgaagtcac ctgcagggag catagtgcat gagctcaacc cgaactttca gccccccaaa 1260
cggcctttca aacggatgaa ctattcagat gctatcgttt ggctaaaaga acatgatgta 1320
aagaaagaag atggaacttt ctatgaattt ggagaagata tcccagaagc tcctgagaga 1380
ctgatgacag acaccattaa tgaaccaatc ttgctgtgtc gatttcctgt ggagatcaag 1440
tccttctaca tgcagcgatg tcctgaggat tcccgtctta ctgaatctgt cgacgtgttg 1500
atgcccaatg ttggtgagat tgtgggaggc tcaatgcgta tctttgatag tgaagaaata 1560
ctggcaggtt ataaaaggga agggattgac cccactccct attactggta tacggatcag 1620
agaaaatacg gtacatgtcc ccatggagga tatggcttgg gcttggaacg attcttaacg 1680
tggattctga ataggtatca catccgagac gtgtgcttat accctcgatt tgtccagcgt 1740
tgcacgccat aaccattttc tccagaagcg tggaggaaag attatgaaag gaacaggctc 1800
tttaaaaaag aaaacaaaaa gccagaatct tccttttttt gtttcattgg ggtttctctt 1860
tctgtttttc tttctactac cataaaaact atctcaaatc acctgaacat caagtgatat 1920
taaggttgtc atcttaagaa aaaatatcca tttttttctt aagttcggga aacaaagttc 1980
ggggaaaata cctggcatga aactgtagtt agggatacat ttcagcattt tactcacttt 2040
atccaagtta ttcattttat tcaagttata tgtatgtata attcaacaat tttagattat 2100
ggtgtaagat actccagtaa cttatctttc tgtcctttta agtgtacctg gaattctttg 2160
atttatttta ttgcatcaat gaattaaaac aaaaatcttg ggggaagaaa ttggcaatat 2220
cgtataaaaa tctgctcata ttagaacaca gtataattca gcagtaaaca ctagaatcaa 2280
atgaatagcc ttttgtatca gttattaatc ttttctaact ctgcttagct gctaataatc 2340
ctgaggcata gaaattgaag aatttgtaaa aatagaattg ccttaaagga tttgaagtaa 2400
gaacataatt ttggggagag ttttttagtg attcacagta tccctcttag cattaattta 2460
aggtaaagag gcagattgat tttccctctt tcctggtaat tcctaagtaa ttaagaataa 2520
ataagttcca aaagaaattg tagctggaat cttaataaca attgtgagtg gctgtttgag 2580
ttgcccccac catgtcctta gatctaatct gtgctacctt attaactcac agcaggctta 2640
ctgaatggct tcatttcaga tttagttgat ttctccacca aatgcatgtc atgtattctc 2700
aataggctgt attcccagca gtcaataaat gaacacccgt aaaaactcaa aaaaaaaaaa 2760
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2820
aaaaaaangg gggn 2834

<210> 431
<211> 2709
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2677)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2691)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2699)
<223> n equals a,t,g, or c

<400> 431
ggcccctcaa tgggctcctt ggggggttga atggggccgc tgccccaac cccgcaagct 60
tgagccaggc tggcggggcc cccacgctgc agctgccagg ctgtctcaac agccttacag 120
agcagcagag acatctcctt cagcagcaag agcagcagct ccagcaactc cagcagctcc 180
tggcctcccc gcagctgacc ccggaacacc agactgttgt ctaccagatg atccagcaga 240
tccagcagaa acgggagctg cagcgcctgc agatggctgg gggctcccag ctgcccatgg 300
ccagcctgct ggcargaarm tccaccccgc tgctgtctgc gggtaccct ggcctgctgc 360
ccacagsgtc tgctccaccc ctgctgcccg ctggagccct antggctccc tcgcttggca 420
acaacacaag tctcatggcc gcagcagctg cagctcagca gtagcagcag caggcggacc 480
tccagtcctc actgcccaga ccaacccctt cctcagcctg tcgggagcag agggcagtgg 540
cggtggcccc aaaggaggga ccgctgacaa aggagcctca gccaaccagg aaaaaggcta 600
aatccaccct tacccctcct gacccccca agtggaggga acagatcctg gcctgagggg 660
tcctagcctg gagcaggcgc ctgcgcccag accctggaga gccttgaccc agagcctgtg 720
ctgaggtcca gggagtgtgg agagctcctg gtgtcgagga ctgaractga raggggagcc 780
ccctccatct ggcccccttc cctttccgca ctgtccgctt tgtgaggctc agaggaagga 840
cagtctgcaa gcccgcctag gaggtccatc cccagcaaat gttttggagg tccccccaga 900
gagcagagtg ggccatggca gaagtagggg gttggttgga cctgtcacat gaaatggatc 960
agcacttgaa tggggagaag tggagggaga ggccctgggc ctgtccctgc ggggaaatct 1020
tttatggaag aagggctgga cccactttac ctgcagtttc ttcccagctc gggcagatgg 1080
cagaagggac cccttggact ttttctcgcc atccctcccc ccagcgcagg ggcacaagct 1140
gagcttgtaa aagcccacag atgttggggg ctggagaagg ggcaggagag catcacactc 1200
agccccagcc tcctcaacct cttggggccc cgtgatgkgg aggagagggc aggtgcgggg 1260
aggctctggc cttccttggt gccccgccct ttgtttgcac tattggactt aggagtgccg 1320
agggtgggga gatggagctg cccgactcag tgtgtgagtg tgtgtgtgcg tgcatgtgtg 1380
tgtgtgtgtg tgtgtgtgtg tgtgtctgtc tgcctgtctc tctcctcctg gacccagggc 1440

agccaagggc agggataggc gcagtggtca gatgaagcag cgccagagag gggacctccc 1500
agctcttatt tgcaccctcc ccacctcacc aactttggtc cctctctggg ggcatgaatg 1560
gttaacaaac accagagcag tactccaata ttggagagtc gctgggggca cagggctttg 1620
aatcagggta gtatcctgcc ttccctcccc tgaccccaca tggtctcagg gccccttag 1680
ggcccccctac cccactgata gcttcctcct tctctggcac aaggggagcc ccagggcttg 1740
ggggagggcg taaggtgggg ggaaatgcca ctgcttttag caaaagcctc cctcccagaa 1800
ttagccagct tgcctcctgc accccacccc caccaaccag gggagccact aagctgacta 1860
acaactgtcc cctcacccac cagctatttc cccagggtag agtgggcaat tctcaccttc 1920
aaagagtccc cgcctgccca ggcctttggc acagaggctg agtggacagt caggagagag 1980
gcgagaggca aggcgaagcc tgtgtccctg tttcagttgc actggggttg gagcccaggg 2040
taggggtttc cagcttcccc aggctccggc cttgtcagtc tctttgcatg tgtggatttt 2100
tctgtgtgtg tttctgtttg ggtttttgtt gttgggtttt ttttttttt ttaataaaga 2160
aaagaagatg tgtatatttt tggcaacgac agaaacgtag tgcagatata tttttgcctg 2220
tgctgctcaa ctgttttttt tttctgatac tgaaaataat attaatattc ctgttgataa 2280
gactttgtaa gatgttaggg agctgataat ggaggggggt gggaatcctt caaaggcaat 2340
ttcttaggca cttgcaaggg cttgggggag ggggaggcag ttgtgatgac ctcagaaata 2400
ctcacttttt attaatgcta aatatgttag aaagaaatga tagcattcag cattttattc 2460
ttcttaatct attaagctgt gtaactccct gccccaaacc actgaaaaga aaagtaacct 2520
tcaggccagg sgcggtggct tcacgccttg taatccccaa cactttgggg aggcttgagg 2580
cggggcggga tcactttaag gtccaggagt ttccaagacc agcctggggc caacatgggt 2640
ggaaccccgt cttcttatcc aaaatttagc cggggcntgg ttgggcagtg nccgtaatnc 2700
ccagctaat 2709

<210> 432
<211> 739
<212> DNA
<213> Homo sapiens

<400> 432
gagcccgggc ggatcccccg ggctgcagga attcattgac gacgacaagt taacgtcgas 60
caacaacgtt gaggactgca agatgatggt gagctcagga gataagatgg aagatgcaac 120
agccaatggt caagaagact ccaaggcccc agatgggtcc acactgaagg ccctgggcct 180
gcctcagcca gacttccaca gcctcatcct ggacctgggt gccctctcct ttgtggacac 240
tgtgtgcctc aagagcctga agaatatttt ccatgacttc cgggagattg aggtggaggt 300
gtacatggcg gcctgccaca gccctgtggt cagccagctt gaggctgggc acttcttcga 360
tgcatccatc accaagaagc atctctttgc ctctgtccat gatgctgtca cctttgccct 420
ccaacacccg aggcctgtcc ccgacagccc tgtttcggtc accagactct gaacatgcta 480
catcctgccc aagactgcac ctctggagtg cagggcaccc ttgagaagcc cctcaccct 540
aggccgcctc caggtgctac ccaggagtcc cctccatgta cacacacaca actcagggaa 600
ggaggtcctg ggactccaag ttcagcgctc caggtctggg acagggcctg catgcagtca 660
ggctggcagt ggcgcggtac agggagggaa ctggtgcata ttttagcctc aggaataaag 720
atttgtctgc tcaaaaaaa 739

<210> 433
<211> 853
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (734)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (758)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (767)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (833)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (851)
<223> n equals a,t,g, or c

<400> 433
gagggcactg gatttggagg gaatcccatc tccatgggga agggcctccc tgaacggaag 60
cagctgggtt aatcaccagc accccaccca actcagagtt gacccaggcg gtgacactgc 120
agaggggaat gtggtgactc accctgcgtg gtgggggggag ggcagggcca tgccaggcgc 180
tctggtgccc tgtccatgaa tccttgccgc agccctgcaa rgaaagagct ggagatgcct 240
cctgtgtaca ggttararar ccaagggcca gatggttttg ccgartcgcc cctgctagtg 300
tgggggagca gcactttctg cttgtkaarc cctgactgga accacttggc ctggagtctg 360
ggaggggcct cccttcccag cccttgtcct tcctcccccg cccacaggaa ctcctgcaga 420
cccaggactt cagcaagttc caggcgctga agcccaagct gctggacacg gtggatgaca 480
tgctggccaa cgacatcgcg cggctgatgg tgatggtgcg gcaggaggag tccctgatgc 540
cttyccargt ggtcaarggc ggcgcctttk acggsaccat gaacgggccg ttcgggcacg 600
gctacggcga gggggccggc gagggcatcg acgacgtgga gtgggtggtg ggcaaggaca 660
agcccaccta cgacgagatc ttctacacgc tgtcccctgt caacggcaag atcacgggcg 720
ccaacgccaa gaangagatg gtgaaagtcc aagcttcnca acaccgngct aagggaaaga 780
tctggaagct ggccgactgg acaaggaccg gcttgttgga cgacaaggag ttngcgctgg 840
gcaaccacct nat 853

<210> 434
<211> 1098
<212> DNA
<213> Homo sapiens

<400> 434
ggaacttgct attggtcagg acgtttccta tgctaataaa ggggtggccc gtagaagatt 60
ccagcaccct cccctaactc caggccagac tcctttcagc taaaggggag atctggatgg 120
catctacttc gtatgactat tgcagagtgc ccatggaaga cggggataag cgctgtaagc 180
ttctgctggg gataggaatt ctggtgctcc tgatcatcgt gattctgggg gtgcccttga 240
ttatcttcac catcaaggcc aacagcgagg cctgccggga cggccttcgg gcagtgatgg 300
agtgtcgcaa tgtcacccat ctcctgcaac aagagctgac cgaggcccag aagggctttc 360

aggatgtgga ggcccaggcc gccacctgca accacactgt gatggcccta atggcttccc 420
tggatgcaga gaaggcccaa ggacaaaaga aagtggagga gcttgaggga gagatcacta 480
cattaaacca taagcttcag gacgcgtctg cagaggtgga gcgactgaga agagaaaacc 540
aggtcttaag cgtgagaatc gcggacaaga agtactaccc cagctcccag gactccagct 600
ccgctgcggc gccccagctg ctgattgtgc tgctgggcct cagcgctctg ctgcagtgag 660
atcccaggaa gctggcacat cttggaaggt ccgtcctgct cggcttttcg cttgaacatt 720
cccttgatct catcagttct gagcgggtca tggggcaaca cggttagcgg ggagagcacg 780
gggtagccgg agaagggcct ctggagcagg tctggagggg ccatggggca gtcctgggtg 840
tggggacaca gtcgggttga cccagggctg tctccctcca gagcctccct ccggacaatg 900
agtcccccct cttgtctccc accctgagat tgggcatggg gtgcggtgtg gggggcatgt 960
gctgcctgtt gttatgggtt ttttttgcgg ggggggttgc tttttttctgg ggtctttgag 1020
ctccaaaaaa taaacacttc ctttgaggga gagcacacct taaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa aggacggg 1098

<210> 435
<211> 1178
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (917)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1176)
<223> n equals a,t,g, or c

<400> 435
accagattcc ctcttgtggg tgactctaca caagatggca tttactcgcc aggtgtccgg 60
ctcccttcaa aagacagaga atgatggctg gtttcgttgt agcttgactc agtggcacac 120
cctgtgcctg acacccagtt gacagatgtg tagggaacaa aattatgacg ggatggccac 180
acagttggct gtttgtactc attgctgcca gctgtctccc agaacagtca tctgctctgt 240
aggggagaa acagggacat gaaaagccct ggaaggttgt caggaagcaa ttttaaattt 300
ctaatatgta aacatcgggg ctttggcata ttttgaacca ttttgatgat aggaatggag 360
gtggtaggag ccaccctgat taagttcttg ttgagaataa actggtgcac cagacattta 420
cataggctga atcaatgttg atggcagccg tgtttttaat ccatgggcct aaaacagtgt 480
ccctcatacc tgtctcttgc tgaggcccct gtcgcaggtg agccatgtct gacttccgag 540
ccttccatcg actgctcagt ccacgtcttc agccctattt cccaagctta cctagtgagt 600
cctccttgac tcaggctggt tcctccattg tttctgccac ctgcaggcca ttggtgctcc 660
ttgaataccc tgtggtgtca tcgctgactc gtgcctccag ggctttcccg ctctgacggc 720
tctgtgtttc ctattgcttc atatagcttg cttctgaatt agcatgcgat atgtgacact 780
catatgttat gtatcttggt ttagttttta cagaaagatg aaagactctt aaaagggatc 840
ttggagttgt tcttgtacat cttttatatc tcctaagcct ttgatgggca cttgttccaa 900
wtggaaagaa aaaaaanaaa aaaagtctta atagcgccgc agctactcct agggggtatt 960
agcttgaagg cgcgttaacg cggactgaac actggtccaa taaccttgca acctttccat 1020
ggaaacgaag cgcccgctcc caaatccgga gggatgcgcc tgcgggtaag ggaggtgggt 1080
gcaaaacccg cgcggtttct ctgggccgca aagcggtcgt ttccccacaa ggtgtccaac 1140
tttgcggtac tcacacttac cgtagcaaat agctancc 1178

<210> 436
<211> 686
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<400> 436
gtgaaaacac cacctcgtgt acttacgctg agtgaaagac cactagattt tctggattta 60
gaaagacctc ctacaacccc tcaaaatgaa gaaatccgag cagttggcag actaaaaaga 120
gagcggtcta tgagtgaaaa tgctgttcgc caaaatggac agctggtcag aaatgattct 180
cttgtgacac catcgccaca acaggctcgg gtctgtcctc cccatatgtt acctgaagat 240
ggagctaatc tttcctctgc tcgtggcatt ttgtcgctta tccagtcttc tactcgtagg 300
gcataccagc agatcttgga tgtgctggat gaaaatcgca gacctgtgtt gcgtggtggg 360
tctnctgccg ccacttctaa tcctcatcat gacaacgtca ggtatggcat ttcaaatata 420
gatacaacca ttgaaggaac gtcagatgac ctgactgttg tagatgcagc ttcactaaga 480
cgacagataa tcaaactaaa tagacgtcta caacttctgg aagaggagaa caaagaacgt 540
gctaaaagag aaatggtcat gtattcaatt actgtagctt tctggctgct taatagctgg 600
ctctggtttc gccgctagag gtaacatcag ccctcaaaaa tactgtctca acagctggaa 660
atataaaaga tttgcaaact taaaaa 686

<210> 437
<211> 2588
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2544)
<223> n equals a,t,g, or c

<400> 437
aattccgctt ccgtttggaa agccgcagcc tcagtcccgc cgccgcccgc tgcgtccgcc 60

cagcgccagc tccgcgtccc gaccggcccg cggcagcctg cgccgcgcca tggccacctc 120
cccgcagaag tcgccttctg tccccaagtc tcccactccc aagtcgcccc cgtcccgcaa 180
gaaagatgat tccttcttgg ggaaactcgg agggaccctg gcccggagga agaaagccaa 240
ggaggtgtcc gagctgcagg aggagggaat gaacgccatc aacctgcccc tcagcccaat 300
tccctttgag ctggaccccg aggacacgat gctggaggag aatgaggtgc gaacaatggt 360
ggatccaaac tcacgcagta cgcccaagct tcaagaactg atgaaggtat taattgactg 420
gattaatgat gtgttggttg gagaaagaat cattgtgaaa gacctagctg aagatttgta 480
tgatggacaa gtcctgcaga agcttttcga gaaactggag agtgagaagc taaatgtggc 540
tgaggtcacc cagtcagaga ttgctcagaa gcaaaaactg cagactgtcc tggagaagat 600
caatgaaacc ctgaaacttc ctcccaggag catcaagtgg aatgtggatt ctgttcatgc 660
caagagcctg gtggccatct tacacctgct cgttgctctg tttgagtatt tccgygcacc 720
aattcgactc ccagaccatg tttccatcca agtggttgtg gtccagaaac gagaaggaat 780
cctccagtct cggcaaatcc aagaggaaat aactggtaac acagaggctc tttccgggag 840
gcatgaacgt gatgcctttg acaccttgtt cgaccatgcc ccagacaagc tgaatgtggt 900
gaaaaagaca ctcatcactt tcgtgaacaa gcacctgaat aaactgaacc tggaggtcac 960
agaactggaa acccagtttg cagatggggt gtacctggtg ctgctcatgg ggctcctgga 1020
gggctacttt gtgcccctgc acagcttctt cctgaccccg gacagctttg aacagaaggt 1080
cttgaatgtc tcctttgcct ttgagctcat gcaagatgga gggttggaaa agccaaaacc 1140
gcggccagaa gacatagtca actgtgacct gaaatctaca ctacgagtgt tgtacaacct 1200
cttcaccaag taccgtaacg tggagtgagg ggctgccctg ggcccaccac tgcccaagag 1260
ttcttgctgt tggcgtactg gaccctcctc cgaactgcct taccctgctt attoctgtct 1320
cttgcactgt gctctcccac aagtccagct gcaacccaga gatagtggaa actgaaatta 1380
ggaaggaaat catcaataac tcagtgggct gacccatccc tcccaggcgc tggggaccaa 1440
cctagcaatg aaggttggga aggttgttcc cttcccggtg ccaggtccag atttccctcc 1500
atgatttggg aaccagstta ggcaaaagag tccccacaag atgaaaataa agatcctagt 1560
taccattcaa aggatgctaa ctgtgtgtca ggcccccacac taagtgctct gctctgatat 1620
actcaaggcc attaatcttc aggactccca ttgacgtagg tgtttcattc cccttttaca 1680
gatgaggaaa ctaaggcttg gaggttaaat gacttgccag aagttggaat ttttttcctc 1740
tttgaacata acctctccct tctccctaaa ggtaaccact attctgagtc caatcatcaa 1800
ggttttgctt ttctttttag ctaagtatgc attcctcaat agtagacagt acaacatgtt 1860
tataacaagc caattacatt atgttctttg catgttctaa agttgtgtat gtgtgtgcac 1920
atctgagcac gtgcacatgt acacctgagc caaaaacacg agaacccact gatctcacca 1980
ctggggcaag ctaggtcaga gcttagtgat tcacactgaa attggcaaat tggatttaac 2040
ccaattaata gtgtgtgtgt ggcaggagtc atgtccctca catcctttgt acaaatgaaa 2100
attactctta attccttcag atttataata actctgtact ttggtttcag ggtgacattt 2160
gggaaggatt ttgtttagaa ttaatggagt ggcacatttt gcagcctttt tgcttgattg 2220
catgtaatgg aaatgcccta tattttcctg caaaataagt actaaattca ttatcgttaa 2280
gcaaatgtac aatatgctca ggcaccgcag agagctgggc acgggcccat gtgagcatca 2340
ctttggaagt agggctcttc aacagggacc cttgaacttt aaagaaagga acttcttttt 2400
gccttctaat tgatcattta gactattctg gctaagtctg cccacatgta attaccggct 2460
aattcaagcc aagaaaaatg naaagtcatt tagacccaaa cccancaagt ttctttggct 2520
ggggtacttc aagggctttg gngntacctt ggaatttctt tattgggaac tttgactttt 2580
aaaagaca 2588

<210> 438
<211> 3609
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (32)
<223> n equals a,t,g, or c

<400> 438
ctggtaatcg aaaatgttaa catgcctgag gngattgtta ttcacgcact gcagtgtact 60
cactatgtaa tcctttggca acttgctaag ataactgaaa gcagctctac aaaggaggac 120
ttgctgcgtt taaagaaaca aatgagagta ttttgtcaga tatgtcaaca ttacctgacc 180
aacgtgaata ctactgttaa ggaacaggcc ttcactattc tgtgtgatat tttgatgatc 240
ttcagccatc agattatgtc aggagggcgt gacatgttag agccattagt gtatacccct 300
gattcttcat tgcagtctga gttgctcagc tttattttgg atcatgtctt cattgaacag 360
gatgatgata ataatagtgc agatggtcag caagaggatg aagccagtaa aattgaagct 420
ctgcacaaga gaagaaattt acttgcagca ttttgtaagc taattgtata tactgtggtg 480
gagatgaata cagctgcaga tatcttcaaa cagtatatga agtattataa tgactatgga 540
gatatcatca aagaaacaat gagtaaaaca aggcagatag acaaaattca gtgtgctaag 600
acccttattc tcagtctgca acagctttta atgaaatgat acaagaaaat ggctataatt 660
ttgatagatc atcctctaca tttagtggca taaaagaact tgctcgacgt tttgctttaa 720
cttttggact tgatcagttg aaaacaagag aagccattgc catgctacac aaagatggca 780
tagaatttgc ttttaaagag cctaatccgc aaggggagag ccatccacct ttaaatttgg 840
catttcttga tattctgagt gaattttctt ctaaactact tcgacaagac aaaagaacag 900
tgtatgttta cttggaaaag ttcatgacct ttcagatgtc actccgaaga gaggatgtgt 960
ggcttccact gatgtcttac cgaaattctt tgctagctgg tggtgatgat gacaccatgt 1020
cagtcattag tggaatcagc agccgggggt caacagtacg gagtaaaaaa tcaaaaccat 1080
ctacaggaaa acggaaagtg gttgagggca tgcagctttc actcactgaa gaaagtagta 1140
gtagtgacag tatgtggtta agcagagaac aaacactgca cacccctgtt atgatgcaga 1200
caccacaact cacctccact attatgagag agcccaaaag attacggcct gaggatagct 1260
tcatgagtgt ttatccaatg cagactgaac atcatcaaac acctcttgat tataatcggc 1320
gtggcacaag cctaatggaa gatgatgaag agccaattgt ggaagatgtt atgatgtcct 1380
cagaagggag gattgaggat cttaatgagg gaatggattt tgacaccatg gatatagatt 1440
tgccaccatc aaagaacaga cgagagagaa cagaactgaa gcctgatttc tttgatccag 1500
cttcaattat ggatgaatca gttcttggag tgtcaatgtt ttaataccag tacacaatta 1560
aatctgtggt gaagtcattt tctaagtgga agaggaaatt ttaaagtgtg gtagatacag 1620
tgaaattctg tacagatttt tctctaagga gaatatgaca tgcttatgct taccaagatc 1680
aagtgcattg aggggcagtt ttgtttgcct gaataaacgt aaaggacaag taaacaattt 1740
gatgataagc tacagttttt cttagaaagt aaatatttta tttatgcgct gttagttggc 1800
ttttgaatcg attatttcat gctttttttt aaaaaaaaaa aaaacaaaat aacaatctga 1860
agaggcattt ggtacagata tgaattctct tacatttatt tactggttgt actaaataat 1920
gatgacctct gctggatttc tgtttacatc cagaaaacaa tgttaaggat gtatttattc 1980
ccctaccctg aagaaagtgt aggatagaat tgtttttagc attctaaatt taaatgctta 2040
aaacgtcaat caacaaaact ttgttttaaa tattgtaatt gtggagaaaa gtaaacttat 2100
aagcagaact tttacaattt tttcatctaa aagtatttta agatattttt aaaatccaag 2160
agcttctcta tacttttcag aaatatccag atgcagtgaa ctgccagaag gtaaccagtc 2220
tcaaacatgc ttatcccatt atcaaccctg aaagtttgct tgtcctttaa gataaaaatg 2280
taatgttgtg atattccttc cagtaatgcc actgtatttt gtctccaaat aaaagaagct 2340
tattgtagta tgtttgcaga aaaattctaa acaaaaatta tacagcttat tagagtgtgg 2400
gaatagggat ctaaatttta aataaaatta tatatatata taaattggtg ctgattttat 2460
aattgcgcag tttgtttagt tttttcttac ttttaaattc caacttaaaa ttatgaggtt 2520
tcagaaatat attgaaagtt taacaatgtt taaaaataga aaagcatgag tgttcatgct 2580
ttaaaatgat ttttaaattt gtattttata ttgttttatc tatctgtctt tgcaagcagt 2640
cttcaggtta aagatacttc taacaggtta cagtacattt cctctgtatg taaattagat 2700
gggataatag aattcataac ccataatatt ctttgaaagc taagctttaa acttcatttt 2760
atgtcctttc acaaataaat tagtttaaaa cagaaagtgg ctacttgcca ttttgacatc 2820

aactcatttt gcgaggctta ggcagctaga catcgtttaa aacaaaatat taacttatat 2880
tacatgtgta tctatctatt gtcagtcgtc tctcagttct tgaggtatat tattttaatc 2940
attccatgcc ttaatatgct tgcaatacaa gaatatcttc agatgggtga ataccaaaag 3000
gctttcagtt tttagtcaga aatcaagcat tgggctgtgg tagccaaaaa ccataggtta 3060
gctaaaaaga tcatgataca attatttttat taagtcatgg ttaataacaa atgaatccag 3120
acttgtctaa cagattttcc atcaacaaat attgttatgt gcaaaagtat tgcctatgtt 3180
gttttacaca ccactgcatt aactagaact gctgagagga ctgtatatat gattttaaac 3240
ctaagttgat ttttttttctc actcttgaaa ggagtacttc tttgtgaaag cagttcttac 3300
agctttgttt tcaaccagct aaaaatgttt tatatattac tctaacctgt tgtcctccac 3360
attctattgt cctaattgta ctgttttctg atttgtattt atgtcttgag acagtaactt 3420
tttgaataaa aataaaccta cagtatgttg tatgttttct cttgtactca aaggggagg 3480
gtggctataa atggtttgca aatttatatc tattatcaca tcttttaatg tgtttgggga 3540
ataatttata gagaatacca tcagtttata tttttaataa atcatatgta tttacaatga 3600
aaaaaaaaa 3609

<210> 439
<211> 2643
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2630)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2633)
<223> n equals a,t,g, or c

<400> 439
gcggacgcgt gggcggacgc gtgggcggac gcgtgggcga ccgctgtaac tatgtgcgag 60
ttggcaccac ccgggtgcac tgacggggcc ggtgaaggaa aagatcatgg cggtgatcaa 120
ggagtggggc actggccggg acaccctgcg ctgcttggcc ctggccaccc gggacacccc 180
cccgaagcga gaggaaatgg tcctggatga ctctgccagg ttcctggagt atgagacgga 240
cctgacattc gtgggtgtag tgggcatgct ggaccctccg cgcaaggagg tcacgggctc 300
catccagctg tgccgtgacg ccgggatccg ggtgatcatg atcactgggg acaacaaggg 360
cacagccatt gccatctgcc ggcgaattgg catctttggg gagaacgagg aggtggccga 420
tcgcgcctac acgggccgag agttcgacga cctgcccctg gctgaacagc gggaagcctg 480
ccgacgtgcc tgctgcttcg cccgtktgga gccctcgcac aagtccaaga ttgtggagta 540
cctgcagtcc tacgatgaga tcacagccat gacaggtgat ggcgtcaatg acgcccctgc 600
cctgaagaag ctgagattgg cattgccatg ggatctggca ctgccgtggc caagactgcc 660
tctgagatgg tgctggctga cgacaacttc tccaccatcg tagctgctgt ggaggarggc 720
cgcgccatct acaacaacat gaagcagttc atccgctacc tcatttcctc caacgtgggc 780
gaggtggtct gtatcttcct gaccgctgcc ctggggctgc ctgaggccct gatcccggtg 840
cagctgctat gggtgaactt ggtgaccgac gggctcccag ccacagccct gggcttcaac 900
ccaccagacc tggacatcat ggaccgcccc ccccggagcc ccaaggagcc cctcatcagt 960
ggctggctct tcttccgcta catggcaatc gggggctatg tgggtgcagc caccgtggga 1020
gcagctgcct ggtggttcct gtacgctgag gatgggcctc atgtcaacta cagccagctg 1080
actcacttca tgcagtgcac cgaggacaac acccactttg agggcataka ctgtgaggtc 1140
ttcgaggccc ccgagcccat gaccatggcc ctgtccgtgc tggtgaccat cgagatgtgc 1200

aatgcactga acagcctgtc cgagaaccag tccctgctgc ggatgccacc ctgggtgaac 1260
atctggctgc tgggctccat ctgcctctcc atgtccctgc acttcctcat cctctatgtt 1320
gacccctgc cgatgatctt caagctccgg gccctggacc tcacccagtg gctcatggtc 1380
ctcaagatct cactgccagt cattgggctc gacgaaatcc tcaagttcgt tgctcggaac 1440
tacctagagg gataactgtt ccccctcctc catctctgag cccgtgtcac agatccagaa 1500
gatgaaagaa ggaagtgarc atccttttgc tctgtcctcc ccaccccgat agtgacacat 1560
cttcaggcag agctgtggca cagacccccg tcctgtcccc cacacccgtg tcatgtgtct 1620
gtttataaac atgtcccctt ccctttcctt ccccctcggc cacccgcctc cctctcaacc 1680
ttgtaaattc cccttcccaa ccccgagggg cttgcaggga caaggcgacc gactgcgctg 1740
agctgcttat ttattgaaaa taaacgacgg aaaagtctgg ccttgcctct gtgcaagctt 1800
ggaggcctgg gtcgccgctg tggacaagcg tcttagtgtc atgcagacca gaaggcagct 1860
gcctgtccca gggccggggc ccacctcact gcctctgatg gggactccca gcccccatgg 1920
ctccgctgtg ccctgggcag gggacgggct gggggcaggg gagggctgga gcccaggagg 1980
cagcacagca gccagaaagc cgcasgcctg agcctgcacc tttggttccg ggaggggctt 2040
gggcccctca cccaggtgtg atccctgaga acaggaggcc cagccaccct gggaggaggc 2100
gctggagggc ggggcggtgg tggcccccgt cagtcccctc aaccccagtc tcagggacgg 2160
tggaaaagcc atccaagacc ccagagcgag gcctcatggt tcaggagtgg ggaaaggcgt 2220
ctttcccagg gtgggggtgg ggatatcctg acccctcagg tgtccttgat gtccctgacg 2280
tccgtgagtg gcgcytcatc catgatgctg cgcacttgct ccagggtctc agccyggcgg 2340
atccgctcta ggcgcacccg ccggatcgga cgaggggagc agagtgcact tgtggggaaa 2400
cgcagcccct accccacctg ccagccccca agggcggggc ctggtaccag tggacccagg 2460
ggccacctct agggggctga tgccacaaat gccctgagcg tccaccatgc cctgtactga 2520
gggcttcagg tgactgacca aggctcacat gagagtttca gggtttttg agtaacagct 2580
caggacagga ccatgccagc tcgtgccgaa ttcctgcagc ccgggggggn tcnccccaag 2640
aaa 2643

<210> 440
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<400> 440
gaattcggca cgagggcatg tgccacccca tctggctaat tttgtatttt ttgtggtgac 60
aaggtattgc catattgctc aggctggtct caagctcctg ggctcaagtg atccgcccac 120
ttcagcctgc caaagtgcta ggactatagg cgtgaaccac tacacctggc ctataatatt 180
ttcttacgga aatgagatct cactgtgttg ctcaggcttg tcttcaactc ctgggctcaa 240
gcaatcctcc tgcctcggcc tcccaagatg ctgggattac aggcgtaagg cactgggcct 300
ggacccataa ataaagtttt attggaagac agtcattctc atttaatgta ttttgttcac 360
atttgcccta cagtggcaga gttgagaagc tgtaacagag accatgtggc ctgcaaggcc 420
caaaatattt gttatctggt cttttgttga aaaagtttag ccaggcatgg tggtgggcgc 480
ctgtaatccc agctactcgg gagtctgagg caggagaatc gcttgaaccc gggaggtaga 540
ggttgcagtg agccgagata gtgnccatgc gctccagcct gggcaacaga gtgagactcc 600
atctcaggaa aaaaaaaaaa aaaaaaaaaa actcgta 637

<210> 441
<211> 2595

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2398)
<223> n equals a,t,g, or c

<400> 441
gtgctcttgg ttctacgctg tgcagcccaa gttggggact acaaaagwag tgcacaagtc 60
tggntacctc agytctgagc gnctgatccc tcaagagtga tggaccagca caaacttacc 120
agggaccagt gggaggaccg gatccaggtg tggcatgcgg aacaccgtgg gatgctcaaa 180
gataatgcta tgttggaata cctgaagatt gctcaggacc tggaaatgta tggaatcaac 240
tatttcgaga taaaaaacaa gaaaggaaca gacctttggc ttggagttga tgcccttgga 300
ctgaatattt atgagaaaga tgataagtta accccaaaga ttggctttcc ttggagtgaa 360
atcaggaaca tctctttcaa tgacaaaaag tttgtcatta aacccatcga caagaaggca 420
cctgactttg tgttttatgc cccacgtctg agaatcaaca agcggatcct gcagctctgc 480
atgggcaacc atgagttgta tatgcgccgc aggaagcctg acaccatcga ggtgcagcag 540
atgaaggccc aggcccggga ggagaagcat cagaagcagc tggagcggca acagctggaa 600
acagagaaga aaaggagaga aaccgtggag agagagaaag agcagatgat gcgcgagaag 660
gaggagttga tgctgcggct gcaggactat gaggagaaga caaagaaggc agagagagag 720
ctctcggagc agattcagag ggccctgcag ctggaggagg agaggaagcg ggcacaggag 780
gaggccgagc gcctagaggc tgaccgtatg gctgcactgc gggctaagga ggagctggag 840
agacaggcgg tggatcagat aaagagccag gagcagctgg ctgcggagct tgcagaatac 900
actgccaaga ttgccctcct ggaagaggcg cggaggcgca aggaggatga agttgaagag 960
tggcagcaca gggccaaaga agcccaggat gacctggtga agaccaagga ggagctgcac 1020
ctggtgatga cagcaccccc gcccccacca ccccccgtgt acgagccggt gagctaccat 1080
gtccaggaga gcttgcagga tgagggcgca gagcccacgg gctacagcgc ggagctgtct 1140
agtgagggca tccgggatga ccgcaatgag gagaagcgca tcactgaggc agagaagaac 1200
gagcgtgtgc agcggcagct gntgacgctg agcagcgagc tgtcccaggc ccgagatgag 1260
aataagagga cccacaatga catcatccac aacgagaaca tgaggcaagg ccgggacaag 1320
tacaagacgc tgcggcagat ccggcagggc aacaccaagc agcgcatcga cgagttcgag 1380
gccctgtaac agccaggcca ggaccaaggg cagaggggtg ctcatagcgg gcgctgccag 1440
ccccgccacg cttgtcttta gtgctccaag tctaggaact ccctcagatc ccagttcctt 1500
tagaaagcag ttacccaaca gaaacattct gggctgggaa ccagggaggc gccctggttt 1560
gttttcccca gttgtaatag tgccaagcag gcctgattct cgcgattatt ctcgaatcac 1620

ctcctgtgtt gtgctgggag caggactgat tgaattacgg aaaatgcctg taaagtctga 1680
gtaagaaact tcatgctggc ctgtgtgata caagagtcag catcattaaa ggaaacgtgg 1740
caggacttcc atctgtgcca tacttgttct gtattcgaaa tgagctcaaa ttgatttttt 1800
aatttctatg aaggatccat ctttgtatat ttacatgctt agaggggtga aaattatttt 1860
ggaaattgag tctgaagcac tctcgcacac acagtgattc cctcctcccg tcactccacg 1920
cagctggcag agagcacagt gatcaccagc gtgagtggtg gaggaggaca cttggatatt 1980
tttttagttt ttttttttt ggcttaacag ttttagaata cattgtactt atacacctta 2040
ttaatgatca gctatatact atttatatac aagtgataat acagatttgt aacattagtt 2100
ttaaaaaggg aaagttttgt tctgtatatt ttgttacctt ttacagaata aaagaattac 2160
atatgaaaaa ccctctaaac catggcactt gatgtgatgt ggcaggaggg cagtggtgga 2220
gctggacctg cctgctgcag tcacgtgtaa acaggattat tattagtgtt ttatgcatgt 2280
aatggactat gcacactttt aattttgtca gattcacaca tgccactatg agctttcaga 2340
ctccagctgt gaagagactc tgtttgcttg tgtttgtttg cagtctctct ctgccatngc 2400
cttggcaggc tgctggaagg cagcttgtgg aggccgttgg ttccgcccac tcattccttc 2460
tcgtgcactg ctttctcctt cacagctaag atgccatgtg caggtggatt ccatgccgca 2520
gacatgaaat aaaagctttg caaaggcaaa aaaaaaaaaa aaaraaaama aaaaaaaama 2580
aaraaaaaaa aaaaa 2595

<210> 442
<211> 1301
<212> DNA
<213> Homo sapiens

<400> 442
ggcacgagga ctgattgccc cttgggctca tatgttggaa tcgaccaggt aggccagccc 60
tgccattggg gcattagtaa atgtgcctgt gcgtgggtct cggtccaaca cagttgatat 120
acatttgttt acctgttata gttgcaagtt gtacaggctg acattgcctc gatcgacagt 180
gatgctgtcg ttcacccgac aaacactgac ttctacatcg gtggtgaagt aggaaacacg 240
ctggagaaga aaggtggcaa ggagtttgtg gaagctgtcc tggaactccg gaaaaagaac 300
gggcccttgg aagtagctgg agctgctgtc agcgcaggcc atggcctgcc tgccaagttt 360
gtgatccact gtaatagtcc agtttggggt gcagacaagt gtgaagaact tctggaaaag 420
acagtgaaaa actgcttggc cctggctgat gataagaagc tgaaatccat tgcatttcca 480
tccatcggca gcggcaggaa cggttttcca aagcagacag cagctcagct gattctgaag 540
gccatctcca gttacttcgt gtctacaatg tcctcttcca tcaaaacggt gtacttcgtg 600
ctttttgaca gcgagagtat aggcatctat gtgcaggaaa tggccaagct ggacgccaac 660
taggctgagc aatgacagaa ccagctgcac catgtacccc accttcagtt taaaagaaaa 720
aaaaaatccc cttcactcct actgggaggt gggacccctt tcatttttcag ttttgctcat 780
ctagggaaaa taaggctttg gtttccagtt taattgtttt tgaccttcta aaatgttttt 840
atgttagcac tgatagttgg cattactgtt gttaagcact gtgttccaga ccgtgtctga 900
cttagtgtaa cctaggagat tttatagttt tattttaatg aaaccctgat tgacgcacag 960
cagtggggag aacagcgtct tttacctgtc accgaagcca ggaagccccg tttgtaagcg 1020
tgtgttgtgg tgctttattg tacatcctcc agtggcgttc tttttactct aatgttcttt 1080
tggtttcccc cctcagaaga atcatgaatt tgcaacagac ctaatttttg gttacttttt 1140
gtcttattga tggatttgaa aatgaaagat ttaataaggc aaagcagaat ctgttgtcct 1200
taattatatt tgcaatttgg aatttgtgtg agttgattta gtaaaatgtt aaaccgttaa 1260
aaaaaaaaaa aaagggcggc cgctcgcgat ctagaactag c 1301

<210> 443
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (678)
<223> n equals a,t,g, or c

<400> 443
ttctgctacg cctgtacaga cgtatcttcc cagagtgaaa gttgatgttt agccgttccg 60
aagttggtgc tttgtgggaa ggagaacagc gggagagccg taagkaacgc agcgtcctga 120
cgtgaggaac gcctcttaac acgccccgtg gcatggagtt tgacagggcc ctggatccct 180
gcgttcaccc ctcctggagt cctggacgcc cacctgggag cagcgtcagg gccgtgccac 240
tttgacccac gttaaacgca ttgcatcctc atttctgtgt cccatctaga tgcttgactc 300
agtgatgcag aacctttcag agttagctgg aagccacagc cctgcctctt gatgcagcct 360
ggatccagcc ggtgtgaaga ggagacccct tccctcttgt ggggtttgga tcctgtgttt 420
ctagcctttg caaaactcta catcagggat atcctggaca tgaaggagtc ccgccagtgc 480
cagtgtattt ttgtacaagg acatccaata aaacaggtag atgtcttggg aactgtcatg 540
gagtgagaga aagagatgct ttctacagtt awggagtgga tgacarcact kgagttataa 600
actgcatctg ctgggaaaaa gttgaatact gagtctgtaa tcagctgctc caagtggcaa 660
gcaagagagc tcagcttnaa cctcacaac 689

<210> 444
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<400> 444
cttgaacctg aagaggcgga ggttgcagtg agccaagatc gcgccattgc actccagcct 60
gggggacaag agtgagactt agtctcaaaa aaaaaaaaaa agaaaaaaaa atcagggata 120
tagttcatat cccacttctt tgtttacacc gatgtccctg aatatcagcc tgtagctaat 180
ggacttggga tttctggtct aagtgggcct cctggggatg gggtggtaca ctgagcttct 240
gagcctcatt gtagagtaga aaggtactgg ggcctgtgtg gtaagccttg ttgaaatgct 300
ctggtattca gtattgcctt aataaacttc acccacaact gcaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaaaaaan cccnggggggg ggccc 395

<210> 445
<211> 1558
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (420)
<223> n equals a,t,g, or c

<400> 445
caataatctt aacagtgtcc tggctgarcg actggagaag tggctgcaac tgatgctgat 60
gtggcacccc cgacagaggg gcacggatcc cacgtatggg cccaatggct gcttcaaggc 120
cctggatgac atcttaaact taaagctggt tcatatcttg aacatggtca cgggcaccat 180
ccacacctac cctgtgacag aggatgagag tctgcagagc ttgaaggcca gaatccaaca 240
ggacacgggc atcccagagg arkaccaggm gctgctgcag gaascgggcc tggcgttgat 300
ccccgataag cctgccactc agtgtatttc agacggcaag ttaaatgarg gccacacatt 360
ggacatggat cttgtttttc tctttgacaa cagtaaaatc acctatgaga ctcagatctn 420
cccacggccc caacctgaaa gtgtcagctg tatccttcaa gagcccaaga ggaatctcgc 480
cttcytccar ctgargaarg tgtggggcca ggtctggsac agcatccaga ccctgaagga 540
agattgcaac cggctgcagc agggacagcg agccgccatg atgaatctcc tccgaaacaa 600
cagctgcctc tccaaaatga agaattccat ggcttccatg tctcagcagc tcaaggccaa 660
gttggatttc ttcaaaacca gcatccagat tgacctggag aagtacagcg agcaaaccga 720
gtttgggatc acatcagata aactgctgct ggcctggagg gaaatggagc aggctgtgga 780
gctctgtggg cgggagaacg aatgaaactc ctggtagaac ggatgatggc tctgcagacc 840
gacattgtgg acttacagag gagccccatg ggccggaagc agggggggaac gctggacgac 900
ctagaggagc aagcaaggga gctgtacagg agactaaggg aaaaacctcg agaccagcga 960
actgagggtg acagtcagga aatggtacgg ctgctgcttc aggcaattca gagcttcgag 1020
aagaaagtgc gagtgatcta tacgcagctc agtaaaactg tggtttgcaa gcagaaggcg 1080
ctggaactgt tgcccaaggt ggaagaggtg gtgagcttaa tgaatgagga tgagaagact 1140
gttgtccggc tgcaggagaa gcggcagaag gagctctgga atctcctgaa gattgcttgt 1200
agcaaggtcc gtggtcctgt cagtggaagc ccggatagca tgaatgcctc tcgacttagc 1260
cagcctgggc agctgatgtc tcagccctcc acggcctcca acagcttacc tgagccagcc 1320
aagaagagtg aagaactggt ggctgaagca cataacctct gcaccctgct agaaaatgcc 1380
atacaggaca ctgtgaggga acaagaccag agtttcacgg taacagcttg tgtgagactc 1440
ctgcgattcc atgtcctttc tttctatggc aaaatagaag agaaaatgga aatgcaatct 1500
ggcattatcc tcaaccccaa aaaaaaaaaa aaaaaaaaaa aaaaagtcgt atcgatgt 1558

<210> 446
<211> 3085
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3077)
<223> n equals a,t,g, or c

<400> 446
ttttttcctt ctactatacc attttaagtt ctgacctcag gcctccattt gggccgatgg 60
cntcttggag gcttaaagtt ttctgtacct tgtgatgaat gttaataggt gtttttatta 120
tacaaagctg aatgtcattt ctcgtttgta gctttctgtc actcattcca tcttccttca 180
gacatcacca cgtttctcta aagtcagaaa acattccgtt ttggtctttt tcaaaaaggt 240

cccaaatgct gcactctaca catgaaggcc ctctcacaca gacgtgacgt cctgccagaa 300
agagaatgaa tgacagaaaa aaaaaagaga gacaaactct aggaacaatg ccgattcatt 360
ccacgcagca gtattggggg tggttcgggg gaggggtgtt tcggattttc ttttttytt 420
ttcttttmtt ttttttttt tgcagcaacc attaataaat gccaccacat tctaccagca 480
caaggaaaca taggcagcac tgaaaaaaaa aaaaaaagct catattaatt agactgacaa 540
tatggccttg gaaggctctc ccttgtggaa ccaagttgcc atgggccttg ggtgctctgc 600
gataacgggt gtgggttggt tttgtttgca aaatggccaa aaaaaaaaac cggcttcccc 660
gagcagctgc cctgaaagta ggggtggcgg cggcggcgct gagtttatac attagttcag 720
acctacttgg tggcattaaa ctgtttgaat gcaaattcga tttcagattg aacttgttaa 780
gggagttaac gagggctgag ttcagcaaat gctaaagtgt taatttcaaa tatgcaaatt 840
tggtactgca gtttgttatg caatattata tcaccaaccc agtatcacaa aaactcatag 900
aagatatcat gtaggccctg ggctttgggg gggtcccaaa catggtatgc agaaatgtga 960
tggttacagg tcagtacaac ctcagtcctt agaacccctc cacacttcag ctctgcaccc 1020
actttcctgt catttattta tataggactg tagtttttt tagttcgaga gcctttcgaa 1080
gcttaattta tattctttct ttgtaccttt tttctaaaat taccaaagat attacacaaa 1140
ggtaaattat gttctctgtt ttatgcttta tctgatgaag ccaaatatcc tcttattgtt 1200
gatcaaagga ggcaaaagaa tttagaggca aatgacaagc gataggctat tgcaacctga 1260
gaaagagaac tgctccttca tcgtaaattt agaagaccaa gtagataatg gaaccaaagt 1320
tgttactttt ttctagtagt tatttttcct ttttcttttt gtgtacctct acagagacca 1380
aaactcattc tcttaaagag attttatggg gctactgcag ataaaaatag gacacaatat 1440
taaaggagct acagaaggaa gggagtccca tctcaaaaaa aaaatgaatg tatgccactg 1500
caattagagt atccaataaa ggagacagtt tagagtcagg acagaaaagc ttccataatt 1560
gaactagatt acataatagt atttctagaa aaagagatat ttttagattg tatgccactt 1620
ttgtttaaga actgtgctgt gatcactgta ttaattttgg tttatcttgg catatatcct 1680
tcagtttgtt tttatttta atttttcctt tttttccgat taggctttgg tcagcatttt 1740
tcatttaaag aaaagtaaca ctcccatcca ctcataagct tggtacaaaa acttctctgg 1800
cagttacttt tgaagcttca ctctgctttc tgtataaagg gcagtctgtg gtcacgcaag 1860
actttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaacttttc caggcagctt 1920
catgatgtgc aggcagtagc cagacagggt catgggaagg gggccctgtg cttctaaact 1980
gagtggttgc tggttagttt ggtattcaaa agaggataaa aatctggtag attagttcat 2040
tctcagcatg tgtagctaga catgagtaaa gataacagca tgagaaactg ttagtacgca 2100
tacctcagtt caaaccttta gggaatgatt aaaatttaaa aaaaaaacat ttcactcagt 2160
tgcacttagt cgtatgtctt gcatgcttag tctaaagact gtagcaaaaa aaaaaaaaaa 2220
agaaaaatta gattttacat atctttgcag gtatcacagc cttgcagaag aaccaactga 2280
aaaaaaaatt ctcaggcttt acagcaagca aacttcacta tgatttttac aattctgatt 2340
ctgtatcccc tgggggttat cccagttgct tctttaggat ggggtttatt acgttgtaca 2400
tatatcccga tgtgtctgtg tgaatctttg tctttttttgg gggagggcag agggcggttc 2460
ttttttaga tattgttcct aaaaaggaat aaatgcatac acctgtttgt caaaacacct 2520
ttgctttttg tgcaactgct ttatattaac gatactaaaa aaaaatagct ttggaaaaaa 2580
aactactgta tgtaacggaa ttgcagaata tgctgcacat gtattttatt tagttatcct 2640
tgctttaaga atattggatg acatttcctg acatgtggga gggagaaact ccctaacttt 2700
ttttttctgc ttttaaactg taacatagtt gaagatttct tttttctgtt ctcattgatt 2760
ggagcatttt gtacaggttt tgtgtgtgtg tgtgtgtgtg tgtgcgcgcg tgcgtgtgtg 2820
ttaatctgtt ttttgataca ttcctatccc ttgtgtttat cctaccactg ccttcctggc 2880
tatcttaaac aagttcatac atttgaaaag aaaaaaaaat gttgtttaaa aaatgttttc 2940
tcctgctgca gtaaatattt tgcatgatga aattccaggg tcacactttt ccaagtttat 3000
cagtgaagta gtgattaaca atggggagtg tcaaaactat tgaacttttg tataaaaaaa 3060
aaaaaacttt acaaggngcc aagat 3085

<210> 447
<211> 1917

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1915)
<223> n equals a,t,g, or c

<400> 447
ccttaatccc gagacgtccc gttaaaacgc cccgtctgga agcggtttcc cactttgaat 60
tacgaagtgc aagcatttgc gagcagccat gattcccggc gcacgcagcc gtcacgcgca 120
ccgtacagcc cagtccacga agggcgccac gggccgtgac gtcacctatg cccgacggcg 180
cgctttcgtg acgcagcccg ggtctcaggg aacatggcgg cgctggtgag acccgcgagg 240
tttgtcgtgc gaccgttgct gcaggtggtc caggcttggg accttgacgc gaggcgctgg 300
gtccgggcgc tgcggcggag ccagtgaaag tggtgtttcc ttccgragag gtggtggaac 360
agaagcgcgc tcctgggaag cagccccgca aggcaccatc tgaggccagt gcccaggagc 420
aacgagagaa acaaccgctc gaggagtccg catcccgcgc tcccagcacc tgggaagagt 480
ctgggcttcg ctacgataaa gcttatcccg gggacaggag gctgagcagt gtaatgacaa 540
tagtaaagtc caggccattt cgggaaaaac aagggaagat cctgctggaa ggtcgcaggc 600
tcatttcaga cgctctcaag gctggagctg tgccaaaaat gttcttcttt agccgtctag 660
aatacctaaa ggagttgcca gtcgataagc tgaaaggtgt cagcctcatt aaggtgaaat 720
ttgaggatat caaggattgg tccgacctcg taacgccaca aggaataatg gggatttttg 780
ccaagcctga ccatgttaag atgacatatc caaagactca gcttcagcat tcactgcctt 840
tattattgat ttgtgacaat ctccgtgacc ctgggaacct ggggacaatt ctgagatctg 900
cagctggggc aggctgcagc aaagtgttac tcaccaaagg ctgtgtggat gcctgggagc 960
ccaaagtgct ccgggcgggt atgggcgcac atttccggat gcccattatc aataatctgg 1020
aatgggaaac cgtgcccaat tacctgcccc ctgacactcg ggtctatgtg gctgacaact 1080
gtggccttta tgcccaggct gagatgtcta ataaagctag tgaccatggc tgggtgtgtg 1140
atcaacgagt gatgaagttt cacaagtatg aggaagagga agatgtagaa accggagcca 1200
gtcaagattg gctgcctcat gttgaggttc agagttacga ctcggactgg acagaggcgc 1260
cggcagctgt ggtgattggc ggggagacct acggcgtgag ctggagtccc tgcagctggc 1320
cgagagcact ggtggcaaga ggctgctgat ccccgttgtg cctggtgtgg acagcctcaa 1380
ctcggccatg gcggcaagca tcctgctttt cgaagggaaa agacagctgc gggggagggc 1440
ggaggacttg agcagggaca ggagttacca ctgaggacgc agaagtgact tctgcttgag 1500
gacgtctgca gctcctccta caccagcaca ctggtgggag gctggcggag tcagtgacta 1560
tggcccccac gttcaggagg aaggtgtgat gccgtcatac agttacagga aaaataagaa 1620
cttcctcaga aagaacaggt ccgaattctt cctgtcgcgt cactgatttt gaggttcttt 1680
tttctcttgg tgacaatagg tgacccacgt ggctctgtgt gtttttaaaa attgtccacc 1740
aagaagcact ttgtgcccag aaagttcctg aagcatcatc ctggcaggga ggcgcctgct 1800
ccaccagctg gtgggtgttt gtaatcgcca agcaccagct ataggtcaca gccacatcac 1860
tcacagctga tcactggttg gtggaaaata aactatgagc agcaaaaact cgtgncc 1917

<210> 448
<211> 946
<212> DNA
<213> Homo sapiens

<400> 448
ggcacgagcg gcacgagtcg gcacgagaac actgctatgg gcgttggtcc atgatcaaac 60
ggctggcatg actcatcata gtcacgaaca gttattagcc agccatggct gtggttgctt 120
gccttagcag tcctgtgtta gcattgcttt actctgggca cattttctt attctctatt 180

ctgggataga agtagtttct gacttctagc cacgttcagt ccaggctgga gagatctaca 240
cctgtttcta ggattctcgt tttcaaggtt tctgaatatc ccctactccc acttaccccc 300
aaaataagct ttttacckgg ataggagagg gaaagaggta tttttcatca attctcccct 360
tctctgctct tctccctttc taataccata aggcagttct tcgtgacttt tacagaaaca 420
tatgtacacg tccttacaga gtttaggaga gcctgtgggc tttttgcctt agtctgctag 480
aaagactggc ctgctgctct ctgctttatc cagaggtctg cctctgggac ttcagccctg 540
tagctgtaga gaccagaaga ccaaccctct ttgagaccca gatgctactt tcccttgcgt 600
ccccctctct ttcctctccc aatgagccaa ccttttgcac ttccactaga atgccaggca 660
ggctgggccc ccaaaggctc ctttttcaaa acctctggaa gccgcggttg aatgtgccat 720
gaccctctcc ctctctggat ggcaccatca ttgaagctgg cgtcatcgga gtctcttgtt 780
ctgttggcgt gctacctgga agatccttct gtcctggaca agaggaattg gaagagcatt 840
ttatgtttta agaacaggct gacacgcagc agctacaaca acagctgaga tcacttaata 900
aatggtgcta aactaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 946

<210> 449
<211> 1190
<212> DNA
<213> Homo sapiens

<400> 449
ggttctagct aaatataagt gcgactgtaa acgcagccaa ttttttaag cagaatatga 60
gaacacctaa gtattctctt catagcagtt cctataaagg gattaaacac ttatttctgt 120
gttatggttc ttattcatat atttttatag caccttttt tggaacctat atttgtgctt 180
gaaggtgttt ttgatatttg gaaacagtat aagccatttg gagtcatgat tggtggtcaa 240
gtggattcaa gctaaaatac taagaccagc attcttagtg gcgcttataa attagctctc 300
acctggtttc caaactgctt ttaacaatgg tagtgctcct ggaacaatcc ttccaagctc 360
ctctaaggac aatatttaat tcagatacta aaggtaagac tggttgttac ttttgttttg 420
ttgtacaatt agtactttat agtcacatgt tgtatatatt aaatagccca gttttattca 480
gacttgtaaa tagaactatt tcaatgtagt taatctaaaa acaaaaaaga aaaccccagt 540
cacgatttgc atgttctctg taagcttcat ccatgctggt tattgcactg aatgatrtat 600
tattagggca tgttaacagt ataccagtaa cagcacttta tctcatttat atgaacacct 660
ttgaggtgct acttaagtcc aagctctgat gtattattca tttgtaaaga taaggtacag 720
gaatgaacct tggtttaaag gtatttttat atgaaaatgg tgtgttattg gaagatgtta 780
aaatgctaat ttgagagaag taggagtgta tctgttttat atgttgggat gtgaaattta 840
ttttctaaaa ttgaggagaa ggaagttata tatttgcaga atgttttaaa gtgaattgtt 900
gtaatgaagt tcctgtgaac atcattatgg ttttgtacaa ataggaacct ctgatgtcat 960
tcttcaacgt ttgttcctgt gtgtacaatt gtactttgta tgaacagctt tatcattttt 1020
ataggctttc catgagtttt gctgtaacta ctatggctta tttatttttct ttaatatttg 1080
tgaaagtctt actcctttgt tagttttgtt tctgcacaac tactgtactt ttccatatgg 1140
aataaagact attaatagaa aaaaaaaaaa aaaaaactcg agactagcct 1190

<210> 450
<211> 915
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (915)
<223> n equals a,t,g, or c

<400> 450
gggtcgaccc acgcgtccgc ccacgctccg cccacgcgtc cgagactatc tttctagaca 60
aggcagttga ggaggaggga gcgcttgagg gggactggcc tggcgtgcac tccgcacctc 120
ggggacatta ttgcgcgtgg aacggctgct tttggaagac tattgcccag aagaaaagat 180
gtttggtttt cacaagccaa agatgtaccg aagtatagag ggctgctgta tttgcagagc 240
taagtcctcc agttctcgat tcactgacag taaacgctat gaaaaggact tccagagctg 300
ttttggattg catgagactc gttcaggaga catctgcaat gcctgtgtcc tgcttgtgaa 360
aagatggaag aagttgccag caggatcaaa aaaaaactgg aatcatgtgg tagatgcaag 420
ggctggaccc agtctaaaga ctacattgaa accaaagaaa gtgaaaactc tatctgggaa 480
caggataaaa agcaaccaga tcagtaaact gcagaaggaa tttaaacgtc ataattctga 540
tgctcacagt accacctcaa gtgcctcccc agctcaatct ccttgttaca gtaaccagtc 600
agatgacggc tcagatacag agatggcttc tggttctaac agaacaccag ttttttcctt 660
tttagatctc acttactgga aaagacagaa gatatgttgt gggatcatct ataaaggccg 720
ttttggggaa gtcctcattg acacacatct cttcaagcct tgctgcagca ataagaaagc 780
agctgctgag aagccagagg agcaggggcc agagcctctg cccatctcca ctcaggagtg 840
gtgactgagg tttttatgta gaaggggaac aaaaaaaaaw awctgaattt tgaaaaccac 900
aaagstacaa aatgn 915

<210> 451
<211> 1862
<212> DNA
<213> Homo sapiens

<400> 451
ggcacgagct cgtgccgaat tcggcaccaa atttctgaag cattaatctg ttctgttact 60
ttccagctaa aaaccaacaa gtgtctgagg acacagttta aactccaaga tgatagggtc 120
cggcacgagt gggctcccac ctaccctcat gacctccttt tgtgaaatgc tgaagggctc 180
tgcagctggt tgtctggtac tgctggcctt tgctttctat ttagcatgtt ccttctccca 240
caaaacaaaa tcacattctc actatgccct gttcattctt caggactatc ttctgggaaa 300
cttttactac ataccctct ccccctaatc tgagtgtctg ctttgctcag gtagcatgtg 360
ttcactggat aaatccttga ttcctggcac tgaggcaggg tttctgttcc caggaagcag 420
aggcatacta ttctgtgaag gattgactga gtttctccta ataccaagca gtatctgagg 480
gaacagatgt ctagcttaaa atcctcccta gcacttgtca tagcagtgct acgtattgcc 540
tgtgaaggaa gtttaataac tgctgaaagg ttcgattagc tttatttcat caggatttgt 600
ttgactttac aaattgattt gggttatttc aacttttagg tctagtctta agtataactg 660
gtacatattc cttcaagcag ccattacacc tctcataaat ttattataca cctgcatttt 720
tataactatt atgcttttta attgttggcc accattttta gtgcttctga attgttatgg 780
ttctcaagca gcagttgtca ccttggtttt gaattaatgc tgtgacgctt gcttccagga 840
cccctatggt gtagccgtgg gtggaactgt ggggcactgc ctgtgcacgg gattggcagt 900
aattggagga agaatgatag cacagaaaat ctctgtcaga actggtaagt cttgaaaatt 960
acaaatcaga taacatttta gaatcactga gagattaaag ggtgttagct ttgattattt 1020
aaatttctgc tgctgaagta tacttggttt ttctaattac ctaccatctc ttatagaggt 1080
attaatcctg gtattgcaaa tacggacttt tttcacctgt gtagaagtta gcaaaataca 1140
aagtcatttt tatcgaattc atagtagctt cttgttaaca tattatctta gtaaaacaat 1200
tgtcatttgg aagtatgaga agtttttggc tctaaaaatg tgtcttacaa gactggaatc 1260
atgtggagac catatgtact gattctgctg aatatgtcct gtgaagccac agttaggtct 1320
agagatggaa gaatcgtctc tttgctagtc agaagacctg aacattttct tttataactg 1380
gattttaaga tgagttatag ttctactgtt gcttgccagc actgtctgga tttaatacaa 1440
tcctgtcatt tctcaaaaca gtgctggaga aaacctgatt cttagtgttc acagtcaagc 1500
atgttaagta ttgttccttg ttatgtaaaa ggggttgaag tgattctaat ttgttttcaa 1560
ggttagttta atagattgga agaataattg gccgcctcat cggctccctt ttcattttgt 1620

acagtatcaa ggtataggaa ttttactgta tttgactttt tttctctctc ttccagtgac 1680
aatcatagga ggcatcgttt ttttggcgtt tgcattttct gcactattta taagccctga 1740
ttctggtttt taacaagctg tttgttcatc tatatttagt ttaaaatagg tagtattatc 1800
tttctgtaca tagtgtacat tacaactaaa agtgatggaa aaataaaaaa aaaaaaaaaa 1860
aa 1862

<210> 452
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (756)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (794)
<223> n equals a,t,g, or c

<400> 452
gcttccagca ggaatgagtg ctaaaatgct gggaggtgtc tttaaaattg actggatttg 60
caggcgtgaa ttacccttca ctaagtcggc tcatctcacc aatccttgga atgaacataa 120
accagtaaag atcggacgtg atggacagga aattgaactt gaatgtggaa cccagctttg 180
tcttctgttt ccccccgatg aaagtattga cttgtatcag gtcattcata aaatgcgtca 240
caagagaaga atgcattctc agccccgatc acgaggacgt ccatcccgcg agaaccagtc 300
cgngawgkgg gaaggcgtcg accagaagat tatgatattc ataacagcag aaagaaacca 360
aggattgact atccccctga gtttcaccag agaccagggt atttaaagga tccacgatac 420
caggaagtgg acagacgatt ttcaggagtt cgccgagatg tgtttttaaa tgggtcctac 480
aatgattatg tgagggaatt tcataacatg ggaccaccac caccttggca aggaatgccc 540
ccttacccag gaatggaaca acctccacac catccttact atcagcacca tgctccacct 600
cctcaagctc atccccctttt acttcaggga catcatccag ttaccacatg gaagcaaggt 660
tacagagatw aaacggagtt acatggatta tgatwttgag gggtgggatg gattttcctt 720
tcgttcggca cacaaggttg tttgttcagt gggccnggag aagttaggac ccccgtgaaa 780
aggaggaccc gggnacgggg 800

<210> 453
<211> 2106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2093)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (2094)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2096)
<223> n equals a,t,g, or c

<400> 453
gcgtccgctg atagctcgat gtgacggagt ctcggattgc aaagacgggg aggacgagta 60
ccgctgtgtc cgggtgggtg gtcagaatgc cgtgctccag gtgttcacag ctgcttcgtg 120
gaagaccatg tgctccgatg actggaaggg tcactacgca aatgttgcct gtgcccaact 180
gggtttccca agctatgtga gttcagataa cctcagagtg agctcgctgg aggggcagtt 240
ccgggaggag tttgtgtcca tcgatcacct cttgccagat gacaaggtga ctgcattaca 300
ccactcagta tatgtgaggg agggatgtgc ctctggccac gtggttacct tgcagtgcac 360
agcctgcgtc cgatagaagg ggctacagct cacgcatcgt gggtggaaac atgtccttgc 420
tctcgcagtg gccctggcag gccagccttc agttccaggg ctaccacctg tgcgggggct 480
ctgtcatcac gcccctgtgg atcatcactg ctgcacactg tgtttatgac ttgtacctcc 540
caagtcatgg accatccagg tgggtctagt ttccctgttg gacaatccag ccccatccca 600
cttggtggag aagattgtct accacagcaa gtacaagcca aagaggctgg gcaatgacat 660
cgcccttatg aagctggccg ggccactcac gttcaatgaa atgatccagc ctgtgtgcct 720
gcccaactct gaagagaact tccccgatgg aaaagtgtgc tggacgtcag gatgggggggc 780
cacagaggat ggagcaggtg acgcctcccc tgtcctgaac cacgcggccg tccctttgat 840
ttccaacaag atctgcaacc acagggacgt gtacggtggc atcatctccc cctccatgct 900
ctgcgcgggc tacctgacgg gtggcgtgga cagctgccag ggggacagcg gggggccccc 960
ggtgtgtcaa gagaggaggc tgtggaagtt agtgggagcg accagctttg gcatcggctg 1020
cgcagaggtg aacaagcctg gggtgtacac ccgtgtcacc tccttcctgg actggatcca 1080
cgagcagatg gagagagacc taaaaacctg aaaaggaagg ggacaagtag ccacctgagt 1140
tcctgaggtg atgaagacag cccgatcctc ccctggactc ccgtgtagga acctgcacac 1200
gagcagacac ccttggagct ctgagttccg gcaccagtag caggcccgaa agaggcaccc 1260
ttccatctga ttccagcaca accttcaagc tgctttttgt tttttgtttt tttgagatgg 1320
agtctcgctc tgttgcccag gctggagtgc agtggcgaaa tccctgctca ctgcagcctc 1380
cgcttccctg gttcaagcga ttctcttgcc tcagcttccc cagtagctgg gaccacaggt 1440
gcccgccacc acacccaact aatttttgta tttttagtag agacagggtt tcaccatgtt 1500
ggccaggctg ctctcaaacc cctgacctca aatgatgtgc ctgcttcagc ctcccacagt 1560
gctgggatta caggcatggg ccaccacgcc tagcctcacg ctccttttctg atcttcacta 1620
agaacaaaag aagcagcaac ttgcaagggc ggcctttccc actggtccat ctggttttct 1680
ctccaggggt cttgcaaaat tcctgacgag ataagcagtt atgtgacctc acgtgcaaag 1740
ccaccaacag ccactcagaa aagacgcacc agcccagaag tgcagaactg cagtcactgc 1800
acgttttcat ctctagggac cagaaccaaa cccacccttt ctacttccaa gacttatttt 1860
cacatgtggg gaggttaatc taggaatgac tcgtttaagg cctattttca tgatttcttt 1920
gtagcatttg gtgcttgacg tattattgtc ctttgattcc aaataatatg tttccttccc 1980
tcataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2040
aaaaaaaaaa aaaaaaaaaa attaataaaa aaaataaaaa aaaaaaaaaa aannanaaaa 2100
aaaaaa 2106

<210> 454
<211> 2288

<212> DNA
<213> Homo sapiens

<400> 454
ccacgcgtcc gggggctgca aggacctgag ctcagcttcc gccccagcca gggaagcggc 60
aggggaaagc accggctcca ggccagcgtg ggccgctctc tcgctcggtg cccgccgcca 120
tgtgggccgt cctgaggtta gccctgcggc cgtgtgcccg cgcctctccc gccgggccgc 180
gcgcctatca cggggactcg gtggcctcgc tgggcaccca gccggacttg ggctctgccc 240
tctaccagga gaactacaag cagatgaaag cactagtaaa tcagctccat gaacgagtgg 300
agcatataaa actaggaggt ggtgagaaag cccgagcact tcacatatca agaggaaaac 360
tattgcccag agaaagaatt gacaatctca tagacccagg gtctccattt ctggaattat 420
cccagtttgc aggttaccag ttatatgaca atgaggaggt gccaggaggt ggcattatta 480
caggcattgg aagagtatca ggagtagaat gcatgattat tgccaatgat gccaccgtca 540
aaggaggtgc ctactaccca gtgactgtga aaaaacaatt acgggcccaa gaaattgcca 600
tgcaaacagg ctcccctgca tctacttagt tgattcggga ggagcatact tacctcgaca 660
agcagatgtg tttccagatc gagaccactt tggccgtaca ttctataatc aggcaattat 720
gtcttctaaa aatattgcac agatcgcagt ggtcatgggc tcctgcaccg caggaggagc 780
ctatgtgcct gccatggctg atgaaaacat cattgtacgc aagcagggta ccatttttctt 840
ggcaggaccc cccttggtta aagcggcaac tggggaagaa gtatctgctg aggatcttgg 900
aggtgctgat cttcattgca gaaagtctgg agtaagtgac cactgggctt tggatgatca 960
tcatgccctt cacttaacta ggaaggttgt gaggaatcta aattatcaga agaaattgga 1020
tgtcaccatt gaaccttctg aagagccttt atttcctgct gatgaattgt atggaatagt 1080
tggtgctaac cttaagagga gctttgatgt ccgagaggtc attgctagaa tcgtggatgg 1140
aagcagattc actgagttca aagcctttta tggagacaca ttagttacag gatttgctcg 1200
aatatttggg tacccagtag gtatcgttgg aaacaacgga gttctctttt ctgaatctgc 1260
aaaaaagggt actcactttg tccagttatg ctgccaaaga aatattcctc tgctgttcct 1320
tcaaaacatt actggattta tggttggtag agagtatgaa gctgaaggaa ttgccaagga 1380
tggtgccaag atggtggccg ctgtggcctg tgcccaagtg cctaagataa ccctcatcat 1440
tgggggctcc tatggagccg gaaactatgg gatgtgtggc agagcgtata gcccaagatt 1500
tctctacatt tggccaaatg ctcgtatctc agtgatggga ggagagcagg cagccaatgt 1560
gttggccacg ataacaaagg accaaagagc ccgggaagga aagcagttct ccagtgctga 1620
tgaagcggct ttaaaagagc ccatcattaa gaagtttgaa gaggaaggaa acccttacta 1680
ttccagcgca agggtatggg atgatgggat cattgatcca gcagacacca gactggtctt 1740
gggtctcagt tttagtgcag ccctcaacgc accaatagag aagactgact tcggtatctt 1800
caggatgtaa ctggaataaa ggatgttttc tgttggacat gtactgaaaa ttaacacatg 1860
tagtagcctt aaaatttttag acttctcgaa catgaggctg ttacagtaat ttttttaaca 1920
ctgtgcattg tacttttcta ccttaaaaaa atcagtgagg atatttattt aatgaacatc 1980
aattcctttt aaattttctt agagaaattt ctctgtggct cagttttacc acccataaag 2040
cggagacagt aatttatggt atcctttctg acccacaaag tatgaaaagt tctgtaatct 2100
gtaaactcag ttctgtaatc tgtattattg agatgattaa tataaagttg tattttcact 2160
gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2220
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2280
aaaaaaaa 2288

<210> 455
<211> 2361
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (2256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2288)
<223> n equals a,t,g, or c

<400> 455
atactttaca aatgagactg atgacatcgc taatttagaa gcaagtgtgc ttgaaaatcc 60
ttctcatgta caactttggc tcaagcttgc gtacaagtac ttgaatcaaa atgaggggga 120
gtgctcagaa tccttggatt ctgctttaaa tgttctggcg cgagcattgg aaaataacaa 180
agacaatcca gaaatttggt gccattacct cagattgttc tcaaaaagag gaaccaagga 240
cgaggtgcag gaaatgtgtg aaacagctgt tgaatatgct ccagattatc aaagcttttg 300
gacttttcta cacctagaaa gtacctttga agaaaaggat tacgtatgtg agagaatgtt 360
ggagtttctg atgggagcag ccaagcagga aacatccaat attttgtcct ttcagctttt 420
agaggctctt ttgtttagag ttcagctgca catatttact ggaagatgcc aaagtgcact 480
ggcaatttta cagaatgcat tgaaatctgc taatgatgga atagtagctg aataccttaa 540
aaccagtgat cgatgtttgg catggttggc ctacatacat cttattgaat tcaacattct 600
cccttcaaaa ttttatgatc catctaatga taatccttca agaattgtta acactgaatc 660
atttgtaatg ccatggcaag ctgttcaaga tgtaaagact aatcctgaca tgttgttagc 720
agtttttgaa gatgcagtga aagcttgcac agatgagagc cttgctgttg aggaaagaat 780
agaggcctgc cttccacttt acacaaacat gattgctctg caccaactcc tggagaggta 840
tgaggctgca atggagcttt gtaaatcttt attggaatca tgtcctatta actgccagtt 900
gctggaagcc cttgttgcat tatatttgca aacaaatcag catgacaaag ccagagcagt 960
gtggcttact gcatttgaaa aaaatcctca gaatgcagag gtttttatc atatgtgcaa 1020
attcttcatc ttacagaatc gaggcgataa tcttcttcca tttttgcgga aatttattgc 1080
atccttcttt aaaccggggt ttgagaagta taataacttg gatctgtttc ggtatctctt 1140
aaatattcca ggaccaattg acattccatc tcgtttatgt aaagggaatt ttgatgatga 1200
tatgtttaac caccaagttc cttatttgtg gctgatttac tgcctttgtc atcctcttca 1260
atcaagtatt aaagaaacag tggaggcata tgaggcagca ttaggggtgg ctatgagatg 1320
tgatatagta cagaagatat ggatggatta tcttgtcttt gcaaataata gagctgctgg 1380
atccagaaac aaagttcaag aattcaaatt ttttactgat ttagtgaata gatgtttggt 1440
tacagtccct gcccgatacc ccattccttt tagcagtgct gattactggt ccaactatga 1500
atttcataat agggttattt tcttttattt gagctgtgtt ccaaagaccc agcattccaa 1560
aaccttggaa cggttttgtt cagttatgcc agctaattct ggacttgcat tgaggttact 1620
tcaacatgaa tgggaagaaa gcaatgttca gattctgaaa cttcaagcca agatgtttac 1680
atataatatc ccaacatgcc tggccacctg gaaaatagcc attgctgctg agattgttct 1740
aaagggacaa agagaggtcc accgtttata tcagagagcc ttacagaagt tacctctttg 1800
tgcatcactg tggaaagatc aactcttgtt tgaagcatca gaaggaggta aaactgataa 1860
cctgagaaaa ctagtttcca agtgccaaga gattggagtc agcctaaatg agctcttaaa 1920
tttaaacagt aacaaaacag aaagcaagaa tcactgaaca ctgggtgcag tcagttctaa 1980
gtccttataa taattgccaa aattatttga atgattcttc aagattaggc tgatccctgg 2040
ctaaggtctg tgtaaggcag acaagcgtta ttgatcatat caagttccct acaatatcct 2100
gtcctcaaaa ccggaagcaa tgaacatgat cctcttcggt tggataaatg aacttcctgt 2160
ttggcctgct tctaggccct gccagattct cataacatca tatacgtaag tatagttcct 2220

caaagtgact gacatttatt ttaattttgc tttgtntttn tttawtttct cccccattcc 2280
yttatttngg gttattcctg actcacttga cactctctga tgcctgagag attcctgttt 2340
gggatttaat atccagggct g 2361

<210> 456
<211> 957
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<400> 456
gcgcgccccc tcttttaaaa aacttngggg gnacccccccc ngggggntnn caagggaaat 60
ntcnggncan cgnangcggc cccaatcggc acgagcggcc atggcgctcc tgctttcggt 120
gctgcgtgta ctgctgggcg gcttcttcgc gctcgtgggg ttggccaagc tctcggagga 180
gatctcggct ccagtttcgg agcggatgaa tgccctgttc gtgcagtttg ctgaggtgtt 240
cccgctgaag gtatttggct accagccaga tcccctgaaa ctaccaaata gctgtgggct 300
ttctggaact gctggctggg ttgctgctgg tcatgggccc accgatgctg caagagatca 360
gtaacttgtt cttgattctg ctcatgatgg gggctatctt caccttggca gctctgaaag 420
agtcactaag cacctgtatc ccagccattg tctgcctggg gttcctgctg ctgctgaatg 480
tcggccagct cttagcccag actaagaagg tggtcagacc cactaggaag aagactctaa 540
gtacattcaa ggaatcctgg aagtagagca tctctgtctc tttatgccat gcagctgtca 600
cagcaggaac atggtagaac acagagtcta tcatcttgtt accagtataa tatccagggt 660
caaccagtgt tgaaagagac attttgtcta cctggcactg cttcctcttt ttagctttac 720
tactcttttg tgaggagtac atgttatgca tattaacatt cctcatgtca tatgaaaata 780
caaaataagc agaaaagaaa tttaaatcaa ccaaaattct gatgccccaa ataaccactt 840
ttaatgcctt ggtgtaagta tacctctgaa ctttttttctg tgcctttaaa cagatatata 900
tttttttttaa atgaaaataa aaccatatat cctaaaaaaa aaaaaaaaaa aaaaaaa 957

<210> 457
<211> 923
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (886)
<223> n equals a,t,g, or c

<400> 457
aattcggcac gagggcaatc cgggcttgca gacgaggtaa ggtcgattcc atttggcccg 60
gggatggtca cacgcgcggg ggccggaact gccgtcgccg gcgcggtcgt tgtcgcattg 120
ctctcggccg cactcgcgct gtacgggccg ccactggacg cagttttaga aagagcgttt 180
tcgctacgta aagcacattc gataaaggat atggaaaata ctttgcagct ggtgagaaat 240

atcatacctc ctctgtcttc cacaaagcac aaagggcaag atggaagaat aggcgtagtt 300
ggaggctgtc aggagtacac tggagcccca tattttgcag aatctcagct ctcaaagtgg 360
gcgcagactt gtcccacgtg ttctgtgcca gtgcggccgc acctgtgatt aaggcctaca 420
gcccggagct gatcgtccac ccagttcttg acagccccaa tgctgttcat gaggtggaga 480
agtggctgcc ccggctgcat gctcttgtcg taggacctgg cttgggtaga gatgatgcgc 540
ttctcagaaa tgtccagggc attttggaag tgtcaaaggc cagggacatc cctgttgtca 600
tcgacgcgga tggcctgtgg tkggtcgctc agcagccggc cctcatccat ggctaccgga 660
aggctgtgct cactcccaac cacgtggagt tcagcagact gtatgacgct gtgctcagag 720
gccctatgga cagcgatgac agccatggat ctgtgctaag actcagccaa gccctgggca 780
acgtgacggt ggtccagaaa ggagagcgcg acatcctctc caacggccag caggtgcttg 840
tgtgcagcca ggaaggcagc agcgcaggtg tggagggcaa gggganctcc tgtcgggctc 900
cctgggcgtc ctggtacact ggg 923

<210> 458
<211> 3058
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3045)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3053)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3056)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3057)
<223> n equals a,t,g, or c

<400> 458
tctctaataa gcanngcttc tacnganatt csttgctttg ctatttttac aaaacagcat 60
tgattgaagc aagtcttggt tttactaagg tagggtagca tttgctattg gtaaagagaa 120
taaatacact taatttcaca atacattgtt atatgtaccc cagttgttgt tagtggggac 180
tatgatactg taataatatt tttaaaaatt tacatcaaga gaggcagtca ttcacgatgg 240
ttttgtgcca gctcttttta gggttttgga tcacattaga gatatttaga acatattacc 300
ctgtgactta cgtaggaaac ctaatatgct gagtatctgg cacttgaatt cctgctttta 360
ttgctggagg tccacatctg tggttgacct ctgttattgt ttaaaaaaaa taaataanaa 420
ttaaaaaaat ctgtgcaata attttaaaat gtgctcccag gaatagacac aaatgttttg 480
cagtatcttt taagctgcat tttcctttag tgatgcattt gtcaattgca ctgaatttaa 540
atctgaaagt cagaggtgat tattgatagt acttttgtat tttgatatgg acagtttatt 600
catttgcata cagttattga ctttttccca gctgattaaa agatagtcaa gaaattctgc 660
aatatagctg ccaaaataga cagctacatt tttatgatat tgtcatcttt tctgtttytt 720
ttttcttttt tttctttagc tattttactt aagcataata gccacaatag gacatataaa 780
agattataaa tacagagctt tattatcctg acgtcttggg tcttttaagt atatactttt 840
ctgaaaggta tccattttgt aggcttgggt tcttcatgag catacgattg tttatttttg 900
ctgctgttct caacatcatc attgcctgct gatgtgccac gatgctgctc caatagacag 960
caataagatt gtctctaatt tgagcagtaa catgattgca agagaccaag tttcacagct 1020
tgtaaagttc tgtatttggg attcttgctt atttttccgc ctgtgttttt ctgagaactt 1080
attcctgatg atcaattgaa tccagtagtt tttctatgct atttgttgtt gtataagcta 1140
ctgtaagaaa cttatcataa ggaaaaatag aaaggaaaac ttgaatcaat actcattgat 1200
taaaatggaa taaagaaaga gcagctgcca cttttaaaca acataaagga atatcttttt 1260
ttgtctccgt gtaggaaatc ccataagttc ttatatttgt tccagttccc atttcctgcc 1320
attgaccaga taacatcatt gactttcaaa tgacttttag aagtgataac tcttaatttc 1380
ctaatagata ctagattgta ttgaattctg ttttaattat tctctaggta agtatgtttt 1440
aggattaaat acctttttaca gatactgaaa gtgcctcctt ttgtggtgta aaaaacaaat 1500
tatggtgcaa aaagtaatca ctagattgaa atacatgaag gtttttttgct ttttgacata 1560
cgaaaatgtc aagagaaagg ccaaagattt gtacttttttc acttacaaag cactcctttt 1620
tcccttaaac ttctttctgt caaattagat ttaatgagag agtactattt ttaaggagct 1680
atctgtttat gtagaatgat tttgttaaga gtaatgtaaa ctattattga gtagaggcct 1740
aaagaggact gtgcattttt gctatttaaa ggaatcacaa atgatcatac ttaagtgagc 1800
aaaaatgaca agttttacta gctaagtaga gaaataaatc tcaaatgcag cgctacaatt 1860
ttcattatct taagtacatt gtacatttct acagaacctg tgattattct cgcatgataa 1920
ggatggtact tgcatatggt gaattactac tgttgacagt ttccgcagaa atcctatttc 1980
agtggaccaa cattgtggca tggcagcaaa tgccaacatt ttgtggaata gcagcaaatc 2040
tacaagagac cctggttggt ttttcgtttt gttttctttg ttttttcccc cttctcctga 2100
atcagcaggg atggaaggag ggtagggaag ttatgaatta ctccttccag tagtagctct 2160
gaagtgtcac atttaatatc agtttttttt aaacatgatt ctagttaaat gtagaagaga 2220
gaagaaagag gaagtgttca ctttttttaat acactgattt agaaatttga tgtcttatat 2280

cagtagttct gaggtattga tagcttgctt tatttctgcc tttacgttga cagtgttgaa 2340
gcagggtgaa taactagggc atatattttt ttttttttg taagctgttt catgatgttt 2400
tctttggaat ttccggataa gttcaggaaa acattctgca tgttgtatct agtctgatgt 2460
acttatccat ctcattacaa acaaaaacac acagactgca tttgtagctc tgtaatcctt 2520
gaatacggaa gtaaattttc ttctttcctg actttgacat tgtagctata ctgtttccat 2580
ttttgttttt acaaatcctt tgggtctaat tctgtgagcc tacctatagc actggattaa 2640
aatgtctgca tcatttcttt agttatccag ttaactttaa aactgttgta aaagtgtaaa 2700
ccagcccatg acaggttttt gtacatgtta aagaacttca ttgttcagtt ttcatgatta 2760
ttgtgtaagg aagactgatg tagatgttct gtgctgtcct ggaccatgtt aattacactt 2820
acgacgtatt ttagttccac atcacaatga tttgtcccca gtgacccttt tatcctttct 2880
aggcacattt cttgttgttg ttgttgttgc agttcccctt tgcattgtat tgctttgaca 2940
actgtaattt gaatcagatc tgaaagaggt ccagaataaa atatattttg atattaaaaa 3000
aaaaaaaaaa aaactcgagg gggggcccgt acccaatcgc ctgtnatgta tcntannc 3058

<210> 459
<211> 555
<212> DNA
<213> Homo sapiens

<400> 459
aaactggaac aatgaaaccc aaacactttc accacacttt gggcttttga tttctcacar 60
rgggargtta accmaactyc caaaggttta ataccycaaa cmccttcccc ttgagtgtga 120
cycacattgt taggtgctga cctagacaga ratgaactga ggtccttgtt ttgttttgtt 180
catatacaaa ggtgctaatt aatagtattt cagatacttg aagaatgttg atggtgctag 240
aagaatttga gaagaaatac tcctgtattg agttgtatcg tgtggtgtat tttttaaaaa 300
atttgattta gcattcatat tttccatctt attcccaatt aaaagtatgc agattatttg 360
cccaaagttg tcctcttctt cagattcagc atttgttctt tgccagtctc attttcatct 420
tcttccatgg ttccacagaa gctttgtttc ttgggcaagc agaaaaatta aattgtacct 480
attttgtata tgtgagatgt ttaaataaat tgtgaaaaaa atgaaataaa gcatgtttgg 540
ttttccaaaa aaaaa 555

<210> 460
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 460
ggccactcag agtgggtgtc ttgtgtccgc ttctcgccca acagcagcaa ccctatcatc 60
gtctcctgtg gctgggacaa gctggtcaag gtatggaacc tggctaactg caagctgaag 120
accaaccaca ttggccacac aggctatctg aacacggtga ctgtctctcc agatggatcc 180
ctctgtgctt ctggaggcaa ggatggccag gccatgttat gggatctcaa cgaaggcaaa 240
cacctttaca cgctagatgg tggggacatc atcaacgccc tgtgcttcag ccctaaccgc 300
tactggctgt gtgctgccac aggccccagc atcaagatct gggatttaga gggaaagatc 360
attgtagatg aactgaagca agaagttatc agtaccagca gcaaggcaga accaccccag 420
tgcacctccc tggcctggtc tgctgatggc cagactctgt ttgctggcta cacggacaac 480
ctggtgcgat ktggcagtga ccattggaca cgctagaagt tatggcagac ttacaaataa 540
aaaaaaactg gctttttgaa aaaaaaaaaa aaaggcggcc gtttaaagac caacntacnn 600
ccctgnttca an 612

<210> 461
<211> 882
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (852)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (877)
<223> n equals a,t,g, or c

<400> 461
tttccttctc cctttcttgg ccctcctctg ctcctcccca caccctgcag gcaaaacaag 60
gaagagatca tcaattatga aatttgaaca ccaagggacc tggtgtgcct gggcctgagc 120
agcatcgttg gcgtctggta cctgctgagg aagcactgga ttgccaacaa ccttttggc 180
ctggccttct cccttaatgg agtagagctc ctgcacctca acaatgtcag cactggctgc 240
atcctgctgg gcggactctt catctacgat gtcttctggg tatttggcac caatgtgatg 300
gtgacagtgg ccaagtcctt cgaggcacca ataaaattgg tgtttcccca ggatctgctg 360
gagaaaggcc tcgaagcaaa caactttgcc atgctgggac ttggagatgt cgtcattcca 420
gggatcttca ttgccttgct gctgcgcttt gacatcagct tgaagaagaa tacccacacc 480
tacttctaca ccagctttgc agcctacatc ttcggcctgg gccttaccat cttcatcatg 540
cacatcttca agcatgctca gttatgagga gtcaaatcct aaggatccag cggcagtgac 600
agaatccaaa gagggaacag aggcatcagc atcgaagggg ctggagaaga aagagaaatg 660
atgcagctgg tgcccgagcc tctcagggcc agaccagaca gatgggggct gggcccacac 720

aggcgtgcac cggtagaggc acaggaggcc aaggcakctc caggacargg caggggcag 780
caggatacct ccagccaggc ctctgtggcc tctgttttcc ttctcccttt cttggccctc 840
ctctgctcct cnccacaccc tgcaggcaaa agaaaanccc ca 882

<210> 462
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (640)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (660)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (677)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (687)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (711)
<223> n equals a,t,g, or c

<400> 462
tccccatggt tctcctacct aaatgattgg tttccctatg gctatttctc caagagttaa 60
gggatagctg cttaactatg caccttaca gaacattctt agcagtaatg ctcaaattta 120
aaaggcacac tcaagatact tccatgtcat ggatccttcc ccaggtccca gtartataaa 180
tatagggaag aggttagcat gaacttacwa attgttttaa gtaatcctct tgaatgccag 240
tcattaaagg actttgccct tctacatcaa attacatcct tttcacaaat ccccatttct 300
gtaataactg gtgcaaacct aaaggtgctt tatagtttta ctactttgca gatttgcaat 360
gctgcatata atgcagaaga gcattaaaaa cttttgtaaa aactcatgat tttgataaac 420
ttttaaagta gcgtttatat gtaaatagaa ctacacatgg gcacacacac ttgcacargg 480
gcttcagaaa aacgtgcaat ataggtgagg aaaaatgtct attgaaactt tctcacaggc 540
tgcccttatt aattaaaact agtgttgggg gcaagcaaca tctgtttcca agtaggttca 600
ggggactagg caaaccttaa agggcggcag gcggcctgcn gtttgcttca ttccttaggn 660
ttactgggtt cctacanctg gttttanttg tcttaggtgt ggactttgga nggtacagtg 720
tttgtggctt ttt 733

<210> 463
<211> 574

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<400> 463
ntctcaatta aacaaaanaa aaaagtggag aactggcagt gacctctact gggggccatg 60
gcagggaggg gagccttctg gaagggctgc cttggagatt ggaatgggga ctcccaggga 120
gacctgcgtt ccatccctgc ctgcctcacc cctgccacag actctgcaca ccactggatg 180
gtgggtccaa gcctggcaca gtccctgtgc ttgtcagagt cattattatg attaatatca 240
attacgatgc caaaaattgc tgggcaaact ttgaagacct caacttgtta caatgacgat 300
gatgatgatt cttggcggtt acacaatcct tcctcctggg ggggaggcag ctaggaggcc 360
cagcaggggg gcttctatgc tgctgggctc ccctagggag ttggggtagt ctgtgccaac 420
tccaggcagc tgctgtggcc tcacccctgg gccccccaat tttgggtcat ccatcctcaa 480
atacactatt tttgcttgta tgcctgtgtc atttgttggt tgtacagagg ggatataggg 540
agagtggtag gcttcccaca cagaaactag gaca 574

<210> 464
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<400> 464
gtacngnant cccgggtcga cccacgcgtc cgcggaaggt ccttctgaat cccttccctg 60
ttccttaggt tgcactagtc gggggttcca tgctgggggg cagaaggaat gctctctacc 120
gtctgaaacc gttcatcagg aaggccttga tttgtgatgt gctaggagag cacaggatct 180
gcaaatagaa ggcacctgtc tcccttctgc aggccgagga gaggccgcca tggactgtgt 240
gcttcttcat ggcttgttta ctcttctttc acagacccta cagcttgggg cctgggctcc 300

tctgaccatc ctcattgaga aaggaaagtg agtccagaga agttgatgct tcctacctgt 360
tggagcggcc cagcagtgta agcgtggttg ttactgcccc atccgccatg tccttcagtg 420
ccaccattct cttctcccct cccagtggca gcgaggccag atgctgctgc tgcgcctgta 480
agagtgagac taatggaggc aacacaggct cccagggtgg gaatcctcct cccagcaccc 540
ccatcacagt gactggacat ggcttggctg ttcagagctc agagcagctc ctgcatgtta 600
tctaccagcg ggtcgataag gcagtgggtt tggctgaagc tgctctgggt cttgccaggg 660
ccaacaatga gttgttaaaa cgtcttcagg g 691

<210> 465
<211> 260
<212> DNA
<213> Homo sapiens

<400> 465
atgagtcaca tttattgatt tgcatwtgtt gaatcaacct tgcatcctgg ggacaaagcc 60
aactccattg ttgcrgatga acttttaat rtgctgctgg atttggcttg ccagtatttt 120
attgaggatt tttgcacagt gtttaccaaa gacattggca tgatgtgttg ttgttgttgt 180
tgttgttgta gtatctatga taggttttgg tatctggatg atgctggcct gataggaatg 240
agttagagag aacttcctta 260

<210> 466
<211> 851
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (727)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (755)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (761)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (793)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (825)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (842)
<223> n equals a,t,g, or c

<400> 466
gcgttcgcgt gggtcccgcc cccacactcc gcccagaggg gcctcagctt ttccaccact 60
gctttctagt cctttaactc ctagaggcaa acttttgggg gataagaaag cctgggaggg 120
gcctgtgcca aaaccctctc tgcctgggga ctgggcggtg attccgcttc tgcctgggct 180
cctgccatgg cccccgagag gggctgacac tttagctccc ggtgcaggtg agaacccgcc 240
cggaggaaga aggaaggcgc gggccgggga ttaggagacg gaggcggact cggagccagg 300
gaaccagggg tccgggctag agctggagtc gtgagcgcgc gcccgccccg ctctgggagg 360
accgcgagat gcccgtgctg aagcagctgg gccccgcgca gcccaagaag cggcctgatc 420
gcggcgccct gtccatctcc gcgccgctcg gcgacttccg gcacacgctg cacgtggggc 480
gcggcggcga cgccttcggg gacacctcgt tcctgagccg ccacggcggc gggccgcccc 540
cgagccccgg gcgccccccg cgggggcccc gckctccccg ccgncgccgc cgtccgcagt 600
ccgcagcgcc tcgcctgcga cccgctgtgc cttcacctgg atctggggcc tcatgctgga 660
cgcggtgctg gcgtatggac gcggcgcgcc gaagcggctg cgcaagccac gcgaacccgc 720
ccggacnagc cccagccgtg cgccacgcga ctcantacac natggcttag tctatccggc 780
tccgccgacc atntgtctaa cgcagggggc gaaaaaaaaa aactngggcc gaccatcgct 840
tnggcatcat t 851

<210> 467
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<400> 467
ggcgcagacc ccgatcccgg ctgcgggtca ctagtgtctc agaccagaat gacagagtgg 60
ttgagtgcca gctacagacc cataacagca agatggtgac cttccgattt gatctggatg 120
gggacagccc ggaagagatt gcagctgcca tggtatataa cgagttcatt ctgccttcgg 180
agcgagatgg atttctcaga cggattcggg agattatcca gcgagtggag accctgttga 240
agagagacac tggccccatg gaggctgctg aagacaccct aagccccag gaggagccag 300
caccattacc tgccctgccc gtccccctcc cagacccatc caatgaagag ctccagagca 360
gcacctccct ggagcacagg agctggacag ccttctccac ctccttcatt ctttcttcct 420
gggaactcct ttgtctcctg ggaaacccat tttcccctgg aacccccatt ttccccaggg 480
tcccatkttt ccccatcnat ttt 503

<210> 468
<211> 1905
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (933)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (940)
<223> n equals a,t,g, or c

<400> 468
ggcacaggac cagtggagtg agctgttcat ggatgcgcta gggcccttca acttcgtgct 60
ggtgagttcg gtgaggatgc agggtgtcat cctgctgctg ttcgccaagt actaccacct 120
gcccttcctg cgagacgtgc agaccgactg cacgcgcact ggcctgggcg gctactgggg 180
taacaagggt ggcgtgagcg tgcgcctggc ggccttcggg cacatgctct gcttcctgaa 240
ctgccacttg cctgcgcata tggacaaggc ggagcagcgc aaagacaact tccagaccat 300
cctcagcctc cagcagttcc aagggccggg cgcacagggc atcctggatc atgacctcgt 360
gttctggttc ggggacctga acttccgcat tgagagctat gacctgcact ttgtcaagtt 420
tgccatcgac agtgaccagc tccatcagct ctgggagaag gaccagctca acatggccaa 480
gaacacctgg cccattctga agggctttca ggaggggccc ctcaacttcg ctcccacctt 540
caagtttgat gtgggtacca acaaatacga taccagtgcc aagaaacgga agccagcttg 600
gacagaccgt atcctatgga aggtcaaggc tccaggtggg ggtcccagcc cctcaggacg 660
gaagagccac cgactccagg tgacgcagca cagctaccgc agccacatgg aatacacagt 720
cagcgaccac aagcctgtgg ytgcccagtt cctcctgcag tttgcctttc agggacgaca 780
tgccactggt gcggctggag gtgggcagat gagtgggtgc ggcccgagca ggcggtggtg 840
aggttaccgc wtggaaacak tkttcgsccg cagytcctgg gactggatcg gcttataccg 900
ggtgggtttc cgccattgca aggactatgt ggnttatgtn tgggccaaac atgaagatgt 960
ggatgggaat acataccagg taacattcag tgaggaatca ctgcccaagg gccatggara 1020
cytcwtcctg ggctacyata gtcacaacca cagcatcctc atcggcatca ctgaaccctt 1080
ccagatctcg ctgccttcct cggagttggc cagcagcagc acagacagct caggcaccag 1140
ctcagaggga gaggatgaca gcacactgga gctccttgca cccaagtccc gcagccccag 1200
tcctggcaag tccaagcgac accgcagccg cagcccggga ctggccaggt tccctgggct 1260
tgccctacgg ccctcatccc gtgaacgccg tggtgccagc cgtagcccct caccccagag 1320
ccgccgcctg tcccgagtgg ctcctgacag gagcagtaat ggcagcagcc ggggcagtag 1380
tgaagagggg ccctctgggt tgcctggccc ctgggccttc ccaccagctg tgcctcgaag 1440
cctgggcctg ttgcccgcct tgcgcctaga gactgtagac cctggtggtg gtggctcctg 1500
gggacctgat cgggaggccc tggcgcccaa cagcctgtct cctagtcccc agggccatcg 1560
ggggctggag gaaggggccc tggggccctg agggtggggt aggcagatgg gccaaggtga 1620
ccaccattct gcctcaatct tttgcaagcc cacctgcctc tctcctgctg ctcctccagc 1680
tgtatctgca cctgcctctc tgtcctggcc aggggtggac aactggggtc ccccaaaact 1740
cagtcctggc acctcaactg tgacaatcag caaagcccca cccaggcccc catctgggat 1800
gatgggagag ctctggcaga tgtcccaatc ctggaggtca tccattagga attaaattct 1860
ccagcctcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 1905

<210> 469
<211> 775
<212> DNA
<213> Homo sapiens

<400> 469

ggaagaaagt acactaacac ttctaggagc ctcttctcag aattgtagtt attccaaaat 60
agcaaatagt tggcataaag ggaaggatta tgtcagcaaa acctttttaa aaatccttat 120
ttgattaatg atggtaaaaa ctaaaaaaaa acagagtttt ctattaaaat agcctatggc 180
cttggctaag acagctatcc tagtaagatt atcttatttt ctatttatag acacatccac 240
tyaaactgca tttttatcca gcgttgatct tcacactcac tgttcctatc aactcatgtt 300
gccagaggcc attgccattg tttgctcacc aaagcataaa gacactggca tcttcaggct 360
caccaatgct ggcatgcttg aggtttctgc ttgtaaaaaa aagggctttc atccacacac 420
caaggagccc aggctgttca gtatatgcaa acatgtgttg gtaaaagaca taaaaataat 480
tgtgttggat ctgaggtgat atgttctgaa tgtaagcacc gtcaacatca gacacctact 540
catggacatg tggttgccgg attttcttaa gatgtttcca gaaatgactg atattttata 600
tttatacatt ttagatgaca aagcttgata tttattgctg ttgcacattt taaagttttc 660
tttttgggtt gctctgtgtc aagagaggtt acatggtgtt aaatcggtac ctgataatgt 720
acccaaatac tatggccaga taataaattg tgctgcaaam aaaaaaaaaa aaaaa 775

<210> 470
<211> 1297
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<400> 470
tccgnaattc ccgggtcgac ccacgngtcc naatcaagct ctaagtcttt ggaccctctg 60
tggaaacatt tctaacccga attttaattt ggccttttca accaaaggct tagagtggta 120
gcaagggatt tcttccaata ggaaacctga tgtttctgat ttaaagagaa ggtgatattt 180
taattgtttg aattaagctc cttgcaaagt tcgggtgtgt ttacccactt agggctttct 240
ttcccagtca acgctaacac attttgttaa atgatccctt tccctgctca cattgtgtgt 300
catttctcat catcagtagt cctccagcct gggcagctgt ccccaccctt tttcatgtag 360
gtgcaggaag ttaaatctca tttccaggat gcatgtgaac atttacaaag ttgaactttg 420
agtgcattct gctcatatga attattggga ttgttgatat atattgtatt atgctaccaa 480
agaaatattg gttttattag aaggaaatgg tcatcctctg gaccatggag actagctcag 540
aatacgctga tttccctctc ctgactttgc caagcctttg gctgcttttg cctgataaag 600
ggcagggcca tctgaagaca cttcccccag tcggctttgg agtcacggga gctagtgcct 660
gctcacacat ttttcaaaag ggcagtgcac tcagaacttc actgtacctg ggatttttaa 720
ttcctcttgc agtgttgacc agcagagaga cttgaggcta ctttaagcct ccactatgtg 780
tttgtagata aaattctcca ttcaaacatt ttaaaggact ttgaacatta tctgcttatg 840
gaagttgtgc ccttcacttg gttagtaacc acctcagcca taatacttac catcataggt 900
ttcttaaaat gctttttttt tttccctaaa cttgagtttc cttagtgatt tcaaaatgaa 960

gtataagaat atcagatcca gttagcaaaa gcctaggact tgtttctcca aacattgtac 1020
taacattcaa cttgttttaa aattatgact caagaatttt aaaaaattat tctggacatg 1080
aattaaaact tttttataat ataagtattt ttctgattga aaaaaggata taattgactt 1140
cactctaatt gtcatgtata tttccataag taaatggatt ttgaagtatt tttatttttt 1200
gaactttatt taaagcattt gtgatgacat gttcaacttt tgcatgtatg tagcctttga 1260
agtaaaaata aataggaatg ttaggctcac gttaaaa 1297

<210> 471
<211> 2155
<212> DNA
<213> Homo sapiens

<400> 471
aatatagtaa tttttaaatt tgttaataat gaaaaccctt aagcatgcag gatgaggtat 60
ttgggttttt tttttagatc gatcacatct acagaaaatg gctaaaccaa gttaactttt 120
attatagaca gtgaataaaa caccaaaaac ccaaaaatgc tttaaccaca gtataaataa 180
tagattatac acatcatctt aataactatt tttaagttat ttaccatagc ctctgtatag 240
accttaggaa cagtgtttca gtgatctggc accagtttat tttgttctgc tgaaattctg 300
tatcacaaat gtgctacctg gtttttgtcc attagataat tactctttat aaggaaagga 360
aagagaagca gagttagttc cagctctaat agggatcttc aaagttattt tgtcttgatg 420
tatgtaacag taattcttta catcttttga tttttctctt ccttttttatt cactcttccc 480
acgaatttaa atgtttaagt tatattcatc actagcaagg atgrtaaaca cttgtgcact 540
gaaagctaac agggagaggg tacacaatat tttacagktt cttaaacata atttartgca 600
tcaccttcca cttgctaaca taccaagtca gttattttca agggaagaac cttttaaatt 660
atggtcctcc atttactact tccactgaga gtatgctctc attcctcagg tgttttgaga 720
aacatgacta ataaccacac aattaagtag agtcattcca agtcctatgg cctggaaatt 780
gtattcccta taatatacaa attttcctgt aataaagtca acttagaaac tccaaggagg 840
ttacatgttt tccaacatat cctaaaaact gtgatataag ctaacatata atttgcctta 900
cgtcaaaaga atatgttttg ttgcagctga ttccagttta taatagatcc ctagtaaaaa 960
gctttgattc aacacaattg ttcatcttca catcccaaac agaatcactg tttcttgaat 1020
atatattttt gaagtttttt tgtgcaatat attactaaat cagttattat tttacttttc 1080
caaattcaga gaaagaaaac agattacctg aattcatgga aaaggtggat cacctccctt 1140
tttccacctt caagcctttc ctgtcctcat agccagcatg acttctttta acttggattc 1200
ctttgtatat agtaaagttt agtatatata tatttttttc tttttgctac tttctgaggc 1260
attatgtaaa gggctcatac tagatgttca gttaaatata ctttagcaca aagtcaaact 1320
agagaatgtg ttaaggaggg aatgtatatg tcttggtaga ccaggaggcc tttgccagca 1380
atttaagcaa cagatgtgaa tacttcacaa agctgtaaag accattgtct taaatactac 1440
aacaacttaa caccctttg tgaagatcac agcatttatc taagaaactg tgaggctttc 1500
tggtttacat atatcttaca ggtgtttttt tgtatttttt ttttttttta gtttgaaatg 1560
tgtaagcttt gatttaaacc aagtttactt cagtatgtta atgatgtagt aaaaatattt 1620
attgaaaggt gaattcgagt attttaatgt tatacctgcc attttttttc ttaaagcata 1680
ttctttgcat ctaactgcca gtgccattgt caaaacttat tttttaaatc gttgtacatt 1740
tcttattaaa ctaagtgctt aattttaaag tattatgttg ccatcatata gtgtataaaa 1800
atgtataatt gccaattgat tgtaactatt atttattttt aaatgaaagt gtaagaatgc 1860
tttctgattc aacaaatttg ttatcaaact gtttccttat cctcttttct gatgtagcat 1920
aaaaattgtc ccggtttgag ttataactgc cagtagatga ccagtcacaa gtgaaccact 1980
tctcagttgc caatctttgc tcatattaaa aacaacttac aaatacttag tttttgtatc 2040
taatctctga ttattaaaat gtttataaag tttatttta ccaaagagat gcaattcatt 2100
atgagaaagt attgcataat aaattttgtt ttataacttt aaaacctgtg ccgaa 2155

<210> 472

<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<400> 472
gcggagatgc agctcaaggg gaagaaaggt ggtgcgggcc tgcgggcggg acagaggggg 60
ccggtaactt gtggaggggc ggcctgacaa aggccgggcg cggagggacc gtgcgaggag 120
cagtgattga wctgccgtcc aatcccagct ctgccgctga ctagttttga aacctgtaga 180
aaggctccgt gtctgcttta attaccggtc cccccaggat tgtttcaaga attcagtagc 240
tgaggctggg agtggtggct ttgtaatccc agcgctttgg gaggcctggg cgggaggatc 300
gcttgagccc gagaccggcc tgggtgacat ggtgagatct cgtctctaga ggaatgcaaa 360
ggttggcncg ggcgtggtgg cgcacgcctg tggtcccggc tgcttgggcg gctggngtgg 420
gaggattgct tgacccngga ggtcaanggc tgcactgca 459

<210> 473
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 473
cctcgtcata ttctaagata tccctaagaa attcttcaaa agtaacggaa tcagcatctg 60
tgatncaatc ccaggatgtg agtgggtctg aagatacatt cccaaataaa cgacctaggc 120
tagaagataa gactgttttt gacaattttt ttatcaagaa agagcaaata aaaagcagtg 180
gtaatgatcc aaagtatagt acaaccacag ctcagaattc cagcagttca tccagtcaga 240
gcaaaatggt taattgccca gtttgtcaga atgaagttct ggagtctcag attaatgagc 300
acttggactg gtgccttgaa ggtgacagca tcaaagtcma aagcgargaa agtctttgaa 360

aaaggtttca aagtctcaag taccacctgt attatctcac taatgtgcta tgtcagccag 420
tcaggaagtt ctggttaata ctaagatttg taggttataa tctagttcac ataaccaata 480
gaaagtgtcc tattttatat atacgcatat aagattgtaa ttttaagatg ttttgtgtct 540
cagggtgcta cattcactct tgccttaggt atactgtaac ccaggttctg cctgtcgtgt 600
ataatttta gatactttkg ttctttcttg ctcttaagga ttttaaaaac ctgktaatct 660
ttttatttgt atactttcct aaaaatattc atatggggaa tcctgtcaaa 710

<210> 474
<211> 1279
<212> DNA
<213> Homo sapiens

<400> 474
gcccacgcgt ccgccgcaag ccaacagggg tgtcgtgcgg tgggagtact tccgcctgcg 60
tcctctgcgg ttcagggccc ctgcactgag gctgcagaag tcccagtcat ctgatctgct 120
ggaaagggag agggagagtg tcctgcgccg ggagcaagag gtkscagagg agcggagaaa 180
tgctctcttc ccagaggtct tctccccaac gccagatgag aactctgacc agaactccag 240
gagctcctcc caggcatccg gcatcacggg cagttactcg gtgtctgagt ctcccttctt 300
cagccccatc cacctacact caaacgtggc gtggacagtg gaagatycag tggacagtgc 360
tcctcccggg cagagaaaga aggagcaatg gtacgctggc atcaacccct cggacggtat 420
caactcagag gtcctggaag ccatacgggt gacccgtcac aagaacgcca tggcagagcg 480
ctgggaatcc cgcatctacg ccagtgagga ggatgactga gcctcgggat ggggcgccca 540
ccccctgccc tgccctgacc ctcgtgggaa ctgccaagac catcgccaag cccccaccct 600
aggaaatggg tcctaggtcc aggatccaag aaccacagct catctgccaa caatcccacc 660
atgggcacat ttgggactgt tgggtttttc gtttccgttt ctatcttcct ttagaaatgt 720
ttctgccttt ggggtctaaa gcttttgggg atgaaatggg acccctgctg attctttctg 780
cttctaagac tttgccaaat gccctgggtc taagaaagaa agagacccgc tcctccactt 840
tcaggtgtaa tttgcttccg ctagtctgag ggcagaggga ccggtcaaag agggtggcac 900
agatcgcagc accttgaggg gctgcgggtc tgagggagga gacactcagc tcctccctct 960
gagaagtccc aagctgagag gggagacctg ccccttccca accctgggaa accatccagt 1020
ctgagggagg aggccaaact cccagtgctg ggggtccctg tgcagccctc aaacccttca 1080
ccttggtgca cccagccaca cctggtggac acaaagctct cacatcgata ggatcccatg 1140
aggatggtcc ccttcacctg ggagaaaagt gacccagttt aggagctgga ggggggtctt 1200
tgtcccccac ccccaaactg ccctgaaata aacctggagt gagctgccaa aaaaaaaaaa 1260
aaaaaaaaaa aaaaaaaaa 1279

<210> 475
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 475
tgactcgcag tggagtcagt caacaaccca ggtctcctgg ctcttaagac gtttccttt 60
taatattata ggaatgggaa tgctggctcc ttttacagta ctggtccctt tacactgtac 120
tgcatactcg ttttttcagt ggatatatga gcttcttgtc aaaattatgt gggtcccatg 180
aagaaacatc taaccagggg aaggggggaag gattgagaca taagacgtac ttatataaga 240
tttcttttaa gaattccaat cttggacatg ttaaattttt ttatattttc tcatgtttaa 300
atctcagttc gtttttcatg ctgtgctcag cacgtaagtg tggggaaatg gacnaagggg 360
gctgcgggaa ngaccgctgg ctgggctcaa catgcctgtg ccttttcccc ttcatgtgtt 420
cttgtgtctg atgcatctct aacacagaat gacattttac tgtttttcan aaaanaacct 480

<210> 476
<211> 947
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<400> 476
ttnggccgag cttgggtcat ggcggcgccg ggcgcgctgc tggtgatggg cgtgagcggc 60
tcggggaaat ccaccgtggg cgccctgctg gcatctgagc tgggatggaa attctatgat 120
gctgatgatt atcacccgga ggaaaatcga aggaagatgg gaaaaggcat accgctcaat 180
gaccaggacc ggattccatg gctctgtaac ttgcatgaca ttttactaag agatgtagcc 240
tcgggacagc gtgtggttct agcctgttca gccctgaaga aaacgtacag agacatatta 300
acacaaggaa aagatggtgt agctctgaag tgtgaggagt cgggaaagga agcaaagcag 360
gctgagatgc agctcctggt ggtccatctg agcgggtcgt ttgaggtcat ctctggacgc 420
ttactcaaaa gagagggaca ttttatgccc cctgaattat tgcagtccca gtttgagact 480
ctggagcccc cagcagctcc agaaaacttt atccaaataa gtgtggacaa aaatgtttca 540
gagataattg ctacaattat ggaaacccta aaaatgaaat gacaatgatt ttgtatcagt 600
ggtccaaaca gaactaagca taaatcattg tgccatccca aacctcgttc cagccgcctt 660
gcccatacta gattctaaat gtttctaaag gcaaacccca atgtgtcaag acagacttgt 720
ttaggtgtaa ttttaggaat tatgctggtt catcaggaag cagaggggga gttttaaaag 780
tcaagcttaa attgaagttt aaattcatct ataaccaaat caaatgatca gaggaaattc 840
tgtaatcaat gctggaaatc gttacattgt ttagaacatt cttgctcatg cctgtatttg 900
cacaaataaa tgaaacttcg ctgtcaaaaa aaaaaaaaaa aaaaaaa 947

<210> 477
<211> 585
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<400> 477
accaggacca cggggcctgg ctgcgcggcg gggatgtgtg gctggacagc tgccggtttg 60
ctgacaatgg cattggcctg accctggcca gtggtggaac cttcccgtat gacgacggct 120
ccaagcaaga gataaagaac agcttgtttg ttggcgagag tggcaacgtg gggacggaaa 180
tgatggacaa taggatctgg ggccctggcg gcttggacca tagcggaagg accctcccta 240
taggccagaa ttttccaatt agaggaattc agttatatga tggccccatc aacatccaaa 300
actgcacttt ccgaaagttt gtggccctgg agggccggca caccagcgcc ctggccttcc 360
gcctgaataa tgcctggcag agctgccccc ataacaacgt gaccggcatt gcctttgagg 420
acgttccgat tacttccaga gtgttcttcg gagarcctgg gccctggttc aaccagctgg 480
acatggatgg ggataagaca tctgtgttcc atgacgtcga cggctccgtg tccgagtacc 540
ctggctncta cctacgaaga atgacaactg gctggtccgg caccc 585

<210> 478
<211> 3470
<212> DNA
<213> Homo sapiens

<400> 478
aattcggcac gagaaggatc ggggccctcg ccgctctgtc tcattccctc gcgctctctc 60
gggcaacatg gcgggtgtgg aggaggtagc ggcctccggg agccacctga atggcgacct 120
ggatccagac gacagggaag aaggagctgc ctctacggct gaggaagcag ccaagaaaaa 180
aagacgaaag aagaagaaga gcaaagggcc ttctgcagca ggggaacagg aacctgataa 240
agaatcagga gcctcagtgg atgaagtagc aagacagttg gaaagatcag cattggaaga 300
taaagaaaga gatgaagatg atgaagatgg agatggcgat ggagatggag caactggaaa 360
gaagaagaaa aagaagaaga agaagagagg accaaaagtt caaacagacc ctccctcagt 420
tccaatatgt gacctgtatc ctaatggtgt atttcccaaa ggacaagaat gcgaataccc 480
acccacacaa gatgggcgaa cagctgcttg gagaactaca agtgaagaaa agaaagcatt 540
agatcaggca agtgaagaga tttggaatga ttttcgagaa gctgcagaag cacatcgaca 600
agttagaaaa tacgtaatga gctggatcaa gcctgggatg acaatgatag aaatctgtga 660
aaagttggaa gactgttcac gcaagttaat aaaagagaat ggattaaatg caggcctggc 720
atttcctact ggatgttctc tcaataattg tgctgcccat tatactccca atgccggtga 780
cacaacagta ttacagtatg atgacatctg taaaatagac tttggaacac atataagtgg 840
taggattatt gactgtgctt ttactgtcac ttttaatccc aaatatgata cgttattaaa 900
agctgtaaaa gatgctacta acactggaat aaagtgtgct ggaattgatg ttcgtctgtg 960
tgatgttggt gaggccatcc aagaagttat ggagtcctat gaagttgaaa tagatgggaa 1020
gacatatcaa gtgaaaccaa tccgtaatct aaatggacat tcaattgggc aatatagaat 1080
acatgctgga aaaacagtgc cgattgtgaa aggaggggag gcaacaagaa tggaggaagg 1140
agaagtatat gcaattgaaa cctttggtag tacaggaaaa ggtgttgttc atgatgatat 1200
ggaatgttca cattacatga aaaattttga tgttggacat gtgccaataa ggcttccaag 1260
aacaaaacac ttgttaaatg tcatcaatga aaactttgga acccttgcct tctgccgcag 1320
atggctggat cgcttgggag aaagtaaata cttgatggct ctgaagaatc tgtgtgactt 1380
gggcattgta gatccatatc caccattatg tgacattaaa ggatcatata cagcgcaatt 1440
tgaacatacc atcctgttgc gtccaacatg taaagaagtt gtcagcagag gagatgacta 1500
ttaaacttag tccaaagcca cctcaacacc tttattttct gagctttgtt ggaaaacatg 1560

ataccagaat taatttgcca catgttgtct gttttaacag tggacccatg taatactttt 1620
atccatgttt aaaaaagaag gaatttggac aaaggcaaac cgtctaatgt aattaaccaa 1680
cgaaaaagct ttccggactt ttaaatgcta actgtttttc cccttcctgt ctaggaaaat 1740
gctataaagc tcaaattagt taggaatgac ttatacgttt tgttttgaat acctaagaga 1800
tacttttgg atatttatat tgccatattc ttacttgaat gctttgaatg actacatcca 1860
gttctgcacc tataccctct ggtgttgctt tttaaccttc ctggaatcca ttttctaaaa 1920
aataaagaca ttttcagatc tgagagctac atctcaatgt ctgtggttat aattctggac 1980
aggataaata gctaaactta atgtaggcaa atgcagagac atttatctga aatgtagacc 2040
tctacactga gacttttctg gcatagtggc taaaacaaga tctacacatg cataaaaagg 2100
gacaatcacc ttttcttcat aaatatacag ctttaggaat atttcaccat tctttgtagg 2160
acatagtagt ccttgtcttt ttttctcctg acattggaaa gatgtgctaa ttgaaacttg 2220
acttagtagg aacattgtgc caactcaaaa ccttgattta gtaaaaatct caatgtttag 2280
atcctttgtc cagtggtggt gtttatcagg gaatgtattc agcttgctca gaaaaccaaa 2340
agggtattaa agccacaaaa gcaaaraaga aaaaamaaaa cttccatgt ttggatcttg 2400
ttctagttag aaaaattaak ttgaaattct tggrcttttt cattcatgag gcaaatgctg 2460
taataccttc ccctttgaca ggtttggatt cttaacatta ctagtggtat ttcaggaagt 2520
gacgttacag ttactttcct tatagcggct aagtgtatta agttgaatgt aacgatggta 2580
atattaattt gtttgaactg aggcccacta ctgattcttt gacaaattga attcttatat 2640
ttaaataatt ttatgggaat gttccatcat aatttctaaa tcatttatat atcaaggtag 2700
ccttaatttg tatatgtttc agtacaatga gattttattg cctctgggat gctgtttagt 2760
ttgtattttg ttgaacgttt ttatcctagg aagagaaacc tatgacttgt gtacctagat 2820
catctgttac attaaaaagc tgctctttca gcattagagc tataaatgaa tgttaccttg 2880
tcgggaacaa tctaggttta gctgtatgag ctatgtttat tatggtgcta atgttcagta 2940
gccacatttg actaatgtct ccattctctg tgatgctgtg gctagcagca gagctcgcca 3000
gttcatgcct ggacatactg tcagggctgg gccctccagc tagctccttt ggggttgagt 3060
ccgtatcttt ttgatgtgga agtataaagc aagtatcttg atttctaaac ccagcaattt 3120
tagaattgac ctttatgagt gaagactttt ggagctttta aagaccttgg cagtcatgat 3180
ctcaaaccaa ttaggagctc caagctccct tcccaggtaa ctgttgggag caatggcatc 3240
actgtatgcc cttgtaatgg ctggaaggga catgatcttg taagtaggaa agctgtaact 3300
aaaaattgta ttgtttgctt attagccatg tatctcttaa aattttgtta tgtttacaac 3360
gatgtacctt attggcaaca agttattagt ttgatgttta acaatagtgc ctttagtaaa 3420
ttattttaca actaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3470

<210> 479
<211> 637
<212> DNA
<213> Homo sapiens

<400> 479
acgccttggc catcgctgaa aagtctcagg agttcttgga agcagataat cgccagctgc 60
ccaatggtgt ttacacaact gcagagcagc gtccgaatgc ctacatccca gaagcagatg 120
ccactcttcc tttgccaaaa ccttatggtg ctttggctcc ttttaaaccc agtgaacctg 180
gagccaatat gaggcacata aggaaacctg ttataaagcc agttgaaatc tgaatatgtg 240
aacaaatcca ggcctctcaa ggaaaagact tcaaccaggc ttccttgtac ccacaggtga 300
aaaatgtgag cataatactt ctaatattat tgataagtaa ggtaaccaca attagtcagc 360
aacagagtac aacagggttt ctatttaccc accaactact ataccttca tgacgttgaa 420
tgggacatag aactgtccta catttatgtc aaagtatata tttgaatygc ttatattttc 480
tttttcactc tttatattga gtacattcca gaaatttgta gtaggcaagg tgctataaaa 540
atgcactaaa aataaatctg ttctcaatga agtacggaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaggg cggccgc 637

<210> 480
<211> 1889
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1844)
<223> n equals a,t,g, or c

<400> 480
aactaagtgg atccccggg cacatnatgt tgatactgtt cgccatagcg ttgctgntgt 60
gtctgggcga actgacgtgc cagttcatcc tgctgcatcg catcgatttc atcatcgttg 120
tactgatcgc cagaatcgta ctgattgcgc tgggcttcac gggctttttc ttccgccgca 180
cgctgtgagg gcagcttaat accgtaagac gccagttcac gacgagttgg cacgcggata 240
cgtttcggtc gtggcaactg cggaccaatc ccctctttga cctgaggacg cggtccaccg 300
ctatttgcca gactgaagac tggcgcggca acggttgcgg cagccccgtc gccagtgtcg 360
ctttttcac gccagatgcc agcggggaaa cagcggcagc ggcttctact ggaggtactg 420
ctgcaacaga aggtgctttc agcgaagatt tgatcggttc tggttcttta accggttctg 480
gaatcggttg ataccaggcc gcaagttgtt cacgttcacg ggctcgcttc tcttcaactt 540
cttcaaagta gtaaagcggc ggacgcgcgg gttttgtctc ttctacaacg ggttcagctc 600
cacaacaggc tgctgttcaa cgggttgcgs ctgttggtac aacgggytct karcggctgg 660
ctgctgataa gtttgctcag tctggtatgt agactgtgra gcaaaagtgg attgctgctc 720
ttcggcttgc caggcgttac ctgccaccgg ttgttctggc gcaggggcat aatacggctg 780
ttgcgcaggt tgttcagctg caggtgcata atacggctgc tgcggctgta ctggttgttg 840
cagcggctca ttatattgca ctgcagctgc gcatattgtg actgctgtgg gtaaccttcc 900
ggtgcaggag caataaccgg ctctcccgtt tgtggacccg gtacaggctg ccaggctact 960
gtaggttgcg caggtggaac atcaacagag gcaacaggcg gcgtctgagt cacaggttca 1020
accggcgcag ccagctttgt gtcgccgtgg tagcagcagc tgctacagcg acaggttcgg 1080
taattggcgc accgtttaat aatggatcgt attcgtcata ttctggctgc gttgcacgrt 1140
tgcccgaaaa tagacgtcgt ccgggtcggc agccacaccg cgtgcagtgt aggtaatctc 1200

ttcgtcatca tcccatccgc tttaccggag aacaacgcag cgtctgtttg ccgccccatc 1260
ggattaatga atttttccgc caaccgtttt aacgnaccta agccgccgcg aagaatacgg 1320
gcacggcgtg attcatgctg tttgcccgtg attttcatct tcatactctn cgtcgtcttc 1380
atactcatct tcatcgaccc aggtatcatc gcgacgggta cgattactgg cgaaggtgag 1440
aatgtttaaa atccagccgc cgagtttttc agcaatgtca cccatgacca accggtgaac 1500
aacgtcaggc ccgctgccca aacgcagagc agcgcaatag ttcccccgct actgtgtagc 1560
agtggttgta rcstagtgct tagtaarctg ccmatgacgc caccggaggc aaaataccag 1620
ataycgtcag cgttgattgc cgccagacca caggaggtaa ggatgagcgc caaaacgcca 1680
atgatgcgta gcgaaacggc aaaataatca atgkmytcgt cgctggactg atgacgccag 1740
gcaaaccaac aaccgccgac aataatgacg ggaatggtgt aagccattca cgccaaaaat 1800
aaagaacagc gtatctgcca accacgcacc gggcatccca cctnaattat ggataggttc 1860
atgccaggcc gtttgcgacc agctggggt 1889

<210> 481
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 481
taacgatttg tgttgtgaga ggcgcaactg cgatttctgc tgaacttgga ggcatttcta 60
cgacttttct ctcagctgag gcttttcctc cgaccctgat gctcttcaat tcggtgctcc 120
gccagcccca gctkggcgtc ctgagaaatg gatggtcttc acaataccct cttcaatccc 180
ttctgactgg ttatcagtgc agtggtaatg atgaacacac ttcttatgga gaaacaggag 240
tcccagttcc tccttttgga tgtaccttct cttctgctcc caatatggaa catgtactag 300
cwgttgccaa tgaagaaggc ttttgttcga ttgtataaca cagaatcaca aagtttcaga 360
aagaagtgct tcaaagaatg gatgggtcac tggaatgccg tctttggacc tgggcctggg 420
ttcctgggga attaaaattg ttacagcagc agnggtcaaa cagccaattt tnggncgtaa 480
aactggtgag ncg 493

<210> 482
<211> 473

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<400> 482
ggcgggggag agggaccagg gaaggcgtcg gggggaatct cgcgagggtt ggagttttgg 60
cgagagtttg tggaagatgg cgcctgttgt gacagggaaa tttggtgagc ggcctccacc 120
taaacgactt actagggaag ctatgcgaaa ttatttaaaa gagcgagggg atcaaacagt 180
acttattctt catgcaaaag ttgcacagaa gtcatatgga aatgaaaaaa ggtttttttg 240
cccacctcct tgtgtatatc ttatgggcag yggatggaag aaaaaaaaag aacaaatgga 300
acgcgatggt tgttctgaac aagagtctca accgtgtgca tttattgggr taggaaatag 360
tgaccaagaa atgcagcagc taaacttggg aaggaaagna ctattgcaca gccaaacmtt 420
gtatatatct grctcagcca gcgaagactt tcatgttgtc tgtaaagtgt tct 473

<210> 483
<211> 851
<212> DNA
<213> Homo sapiens

<400> 483
ggaactcagt aacgccttga gctgggttga ttgaggatgt gtgaaaagct cacagagccc 60
gatgcctgct gctatttcac ggcaatgagc ctttttcttt ctacactgaa gattttcttc 120
ttatttaatg tggtttattt tgggctcaga aataattgct ctgttgaaaa taatcctttg 180
tcagaaaaga aggtagctac cacatcattt tgaaaggacc atgagcaact ataagcaaag 240
ccataagaag tggtttgatc gatatattag gggtagctct tgattttgtt aacattaaga 300
taaggtgact ttttcccccc gcttttagga ttaaaatcaa agatacttct atatttttat 360
cactatagat catagttatt atacaatgta gtgagtcctg catgggtact cgatgtgtaa 420
tgaaacctga aataataaga taataagaaa agcaataatt ttctaaagct gtgctgtcgg 480
tgatacagag atgatactca aattataata aaactcttca ttttgtgaat tatagaagct 540
acttttata aagccatatt tttttaggga aactaaggag tgacatagaa ctgatgaatg 600
agyaaaagta agttttgctg gatttttgta gaactctgga cgttgaggat tcattatgct 660
gtggttaact ttaaatattt ttgaattcca aatatctgaa ttaatgagcc ttgtctttac 720
aaatatgtgc cattgtgcaa catcggtgga ttttctaaaa ataatgtaaa tgtcttctat 780
taaatgttga gtgcaataaa atacagaaga attctcaaaa aaaaaaaaaa aaaaagatct 840
ttaattaagc g 851

<210> 484
<211> 1500
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1430)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1499)
<223> n equals a,t,g, or c

<400> 484
cgcacagccg gcctttctca gcgaaagcct cctgcgaccc cgcgtgagcc cacgatcgcc 60
accgtctccc gttgaaaata tcttcttctc tcgtatagtg ttagcttgat gctccgttag 120
atactttcaa tggaaacaga tttgcactcc gtttgacagc cattttcctc caaccactcg 180
ggaaactcgt agtaagagca ttacatgggc cctggaatac tgattcgcct gataatttgg 240
aagaagtgaa gtttttactt catatgtggg tagctctgtt ttacagcaat cagaacaaaa 300
tcatacgatc ttcccgaaag gttgtagaac acagcaaccc agcaaaatat gtgtctataa 360
atagcacgtt agaatcttgt gagctccgtg aaattgagga gtcccttggt ttggaaaaat 420
gttctgcaga ctctctgttg gagactaacg aaatttccag ggctcatgct gctgaagtat 480
ccttccgtga tcctaactgc ttgcttcctt tcattaaaac accacttacc caaggcttgg 540
aactctgtgt acaaaatgaa cagaaaaaaa cttttgcaag agagtgtgat ccagacaccc 600
aagaagacca gaatttcatc tgttcttaca ataatgaggt aactggggaa gaagctaaac 660
aagaatcatt ggagacttct aatcttgtgc tttcgggtat tggaagtaca caaactaatg 720
gaccttctgt tcctagtgaa gaagaaattg ttcagccact ggatagcaca agagtggctt 780
cttacagtgg cactgttact caagccacat tcaccaggac ttacgatggg cctggcagtc 840
agccagtgat atgtcagagc tctgtgtacg gcacccttga aaacaaagtg gatattcttg 900
atgcagcagt gcaaacaaaa acaggtactt tacaggacct tatccaacat ggcagcccca 960
taaacaatga atgtcaccct tccttggaaa gaaaggatga taatatgggg kgtgcartga 1020
ttaacccgga accaattact ctcacctttg aaaaaaatgc acatgtacca atacagacag 1080
aaggtgtaaa tactgctgat gaacctacaa cctttaagaa ggagttgatt aagcaagtat 1140
cacctgctgc aagccttaga catcctgtat ccacctcgga aaatgcacga acacaaggcc 1200
tgagggacat tccctctcta gtagttgcag gacagaaggg cactaagtac ctttgtgcct 1260
cgtcagtagg tggagagaca cttgataaag cagtgtgttc attacagaag gagacgcccc 1320
ttccagtctc tctaccatct gataaaacaa tggtcatgga ggcactatca ttagctaaaa 1380
gttctagtca tctatcaccc agtgaagaar tgagatgcac tcaggatttn ctttyacaga 1440
ctyagartct nctnggncta tctttagaaa ggcttcttag aacttgacac aggttgaant 1500

<210> 485
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 485
gactgaggag gctcggtttg tagagccccg ctcaggcaca gggaggagga gatgccaggg 60
ctcctgcctt ttgccacatc ggcctcgtgc agtgagggct ctgtgggctg gggctgctgc 120
ccctgcctac ctcctgcctg tccccagagg ctgaggakag ggggtactgt gcccaccaca 180
catrattagg cctcagaccc aactctggtc ctggctccac aacagtggct gccactcact 240
ttgtccagaa ggtggcttgg gggtggatat ctttgggttg ctggaaaagg tgtgggaagg 300
ttcaggatgg tgggagggac tgaggtccct gaggtgaaga ggcccttggt cctgacgggt 360
ttgacccgtg cctggaccct tggagcagtg ttgtgtgaac ttgcctagaa ctctgccttc 420
tccgttgtca ataaagcctc cccctcatga cnnaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
agtcgtatcg a 491

<210> 486
<211> 1317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1310)
<223> n equals a,t,g, or c

<400> 486
gaggataggg agcctggggt caggagtgtg ggagacacag cgagactctg tctccaaaaa 60
aaaaagtgct ttttgaaaat gttgaggttg aaatgatggg aaccaacatt ctttggattt 120
agtggggagc ataatagcaa acacccccct ggttcgcaca tgtacaggaa tgggacccag 180
ttggggcaca gccatggact tccccgccct ggaatgtgtg gtgcaaagtg gggccagggc 240
ccagacccaa gaggagaggg tggtccgcag acaccccggg atgtcagcat cccccgacct 300
gccttctggc ggcacctccc gggtgctgtg ttgagtcagc aggcatgggg tgagagcctg 360
gtatatgctg ggaacagggt gcaggggcca agcgttcctc cttcagcctt gacttgggcc 420
atgcaccccc tctcccccaa acacaaacaa gcacttctcc agtatggtgc caggacaggt 480
gtcccttcag tcctctggtt atgacctcaa gtcctacttg ggccctgcag cccagcctgt 540
gttgtaacct ctgcgtcctc aagaccacac ctggaagatt cttcttccct ttgaaggaga 600
atcatcattg ttgctttatc acttctaaga cattttgtac ggcacggaca agttaaacag 660
aatgtgcttc cctccctggg gtctcacacg ctcccacgag aatgccacag gggccgtgcr 720
ctgggcaggc ttctctgtag aaccccaggg gcttcggccc agaccacagc gtcttgccct 780
gagcctagag cagggagtcc cgaacttctg cattcacaga ccacctccac aattgttata 840
accaaaggcc tcctgttctg ttatttcact taaatcaaca tgctattttg ttttcactca 900
cttctgactt tagcctcgtg ctgagccgtg tatccatgca gtcatgttca cgtgctagtt 960
acgtttttct tcttacacat gaaaataaat gcataagtgt tagaaaaaaa aaaaaaaaar 1020
atttattaac ggcgcaactt atcccttagt agggtaattt agctgcactg gcgcgtttca 1080
cgcgtactgg aaacttgcgt accactatgc tgagaatcct tcgcactgta atcgagagcc 1140

gcgatgcctg acagtgcctg atggatgcgc cttagcgtac gggtttgtgt gcggacgaat 1200
cactaggcct tgtccttttg aaggggggctc gggaggggggg gtgttccaaa aatgggccaa 1260
atttggcgct agttaaacac gtttgtgggg aaaagcaaag ggggttatan aagtttc 1317

<210> 487
<211> 944
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (932)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (942)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (944)
<223> n equals a,t,g, or c

<400> 487
tcgacccacg cgtccgccca cgcgtccgga cagacccagc ctggagctgg cccctggcct 60
gtgtgctgac ttcttggggt cctcaaacca ctgtattttt ctgttgagcc tgtacttggg 120
gagagatcag tagcatttga ggaagtaaga gaaaagaatc atggtacctc agggtttctt 180
tccctttact cgctggcagc cattgtctgt gggcacctca tgtttttcca cactctactg 240
ggccgtggag gtaacgatca cccaggccag tctcctctgc ctgggatgcg ccctctgaga 300
ggaggcctag cagggcaggc tccctctggg catccctgga tgcagcctct ggacacatgc 360
ctcctttaaa gtgtccgggt gcagctcagg ttgagtggag gtagaaggag aaacagacat 420
gtttaccacg cgttttccaa agctcctgat ctttcccaag attgtaactg aaaactgctg 480
tctcttgttt tgttcgtttt gggggtggtg gtgctggctg ggccatgctt gtgaagtgat 540
gtgtgtctct gatttaacgg attcactgtt ttctctgcta attgagagag cgttatttac 600
attatttatt tgttttgaca caagtgcttt cagtgtttta tcctagctaa tggcttctta 660
aaggtaataa aacccttcca acgtaattgg tcagataaaa ctttttttct tgtatgctta 720
aataaagcaa ttagtgaagc acttctatcc aaaatgactt ttttgtcctt ttttaaaacc 780
aatttactgt tactggaaac tttttgtaca ataaagcaat cacgcagatt aaagaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aagggcggcc gctctagagg atccaagctt acgtacgcgt 900
gcatgcgacg tcatagctct tctactacgt gnaccctaac tncn 944

<210> 488
<211> 1677
<212> DNA
<213> Homo sapiens

<400> 488
gaattcggca cgaggtttgc agagtgcttc ccgcccctra tctcattgga gccatggact 60
ggaagacact ccaggcccta ctgagcggtg tgaacaagta ctccacagcg ttcgggcgca 120
tctggctgtc cgtggtgttc gtcttccggg tgctggtata cgtggtggct gcagagcgcg 180

tgtgggggga tgagcagaag gactttgact gcaacaccaa gcagcccggc tgcaccaacg 240
tctgctacga caactacttc cccatctcca acatccgcct ctgggccctg cagctcatct 300
tcgtcacatg cccctcgctg ctggtcatcc tgcacgtggc ctaccgtgag gagcgggagc 360
gccggcaccg ccagaaacac ggggaccagt gcgccaagct gtacgacaac gcaggcaasa 420
agcacggagg cctgtggtgg acctacctgt tcagcctcat cttcaagctc atcattgagt 480
tcctcttcct ctacctgctg cacactctct ggcatggctt caatatgccg cgcctggtgc 540
agtgtgccaa cgtggccccc tgccccaaca tcgtggactg ctacattgcc cgacctaccg 600
agaagaaaat cttcacctac ttcatggtgg gcgcctccgc cgtctgcatc gtactcacca 660
tctgtgagct ctgctacctc atctgccaca gggtcctgcg aggcctgcac aaggacaagc 720
ctcgaggggg ttgcagcccc tcgtcctccg ccagccgagc ttccacctgc cgctgccacc 780
acaagctggt ggaggctggg gaggtggatc cagacccagg caataacaag ctgcaggctt 840
cagcacccaa cctgacccsc atctgaccac agggcagggg tggggcaaca tgcgggctgc 900
caatgggaca tgcagggcrg tgtggcaggt ggagaggtcc tacaggggct gagtgacccc 960
actctgagtt cactaagtta tgcaactttc gttttggcag atatttttg acactgggaa 1020
ctgggctgtc tagccgggta taggtaaccc acaggcccag tgccagccct caaaggacat 1080
agactttgaa acaagcgaat taactatcta cgctgcctgc aaggggccac ttagggcact 1140
gctagcaggg cttcaaccag gaagggatca acccaggaag ggatgatcag gagaggcttc 1200
cctgaggaca taatgtgtaa gagaggtgag aagtgctccc aagcagacac aacagcagca 1260
cagaggtctg gaggccacac aaaaagtgat gctcgccctg ggctagcctc agcagaccta 1320
aggcatctct actccctcca gaggagccgc ccagattcct gcagtggaga ggaggtcttc 1380
cagcagcagc aggtctggag ggctgagaat gaacctgact agagsttctg gagataccca 1440
gaggtccccc aggtcatcac ttggctcagt ggaagccctc tttccccaaa tcctactccc 1500
tcagcctcag gcagtggtgc tcccatcttc ctccccacaa ctgtgctcag gctggtgcca 1560
gcctttcaga ccctgctccc agggacttgg gtggatgcgc tgatagaaca tcctcaagac 1620
agtttccttg aaatcaataa atactgtgtt ttataaaaaa aaaaaaaaaa aaaaaaa 1677

<210> 489
<211> 1640
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (680)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (695)
<223> n equals a,t,g, or c

<400> 489
tttagatctc aggtctaagg cttccctttcc ctccctctcc cagctagttt gtgctaatta 60
agagaccttt tatactgttt tattgcctgt ttgaagaaat aatttttatc acgtttttgt 120
aagatatcta taattttaaa tgtttataaa ttgtttaatt tattagcatc ttaatgtacc 180
ccatttttat atactgaatg tggccttttg agtgaaatag gaagcttcat ggtgttggag 240
ccacctttgt acagttgttt aaagtttccc attgtcacgg aaaacattgg ytgcaaagcc 300
cctcaaagcc ctcaagtgcc ttctgtgagt ttaaatgtgc tggtgccctc cagaaaagcc 360
tcggcctcag ctccgtttcc gcctgttccc tcccccagga taatgaatgg ttactgcact 420
gtaaagaccg tggtctcttt tcactaaata ggagattcga gtttcccagt ttacatgaat 480
gaagtctgaa tttaagacgg tgatgaaact gaggttcagt actctcggga ctcgaggaaa 540

ttattcctga gacatggagt aattcttaca aatttaaact attgtacaga tccacataca 600
tgttgttaag tacctaatgt tttgctgaac ttttaaaagt taatttccaa aatgtatagg 660
gattcatgat aattaaaccn tttttattgc tcatnttttt agtagaagaa tatcacttat 720
ttttagactt gtaaaatgta tgractggtg agcggacatc tgttaagaga gtcactagtc 780
agaatgttaa aggagtgcat gcaggatgcc ccaaatgtcg tgaactcttg ttactcctgt 840
atgtagtagt gtaagcatgt gacttttaac accatttggt ttgaaactaa tgtagagatg 900
cctgattcca aacaggtgtg gagaatattg aacggctcag aagccgcgtc ccttacttaa 960
cacaattccg aatctccctc atccatgatg cgtccattgg atcactcgct ggtggtcact 1020
gtgtggcagt tactagggga attctgcctc tgactgttct ttttcttttg gtctttaaac 1080
accctgtcgt gggatgtgct cactgatttg tggctatgtt gaaggtatca cttgtcttga 1140
gggttttcaa tatttcagga tcatgctggt ggcaaaagga ctccaygcct ctgtggaatc 1200
atgtccacag ggggacctgc ctcccgtgat gtcccacctt tccttcaagg tctgtcatat 1260
gagtcctccc cttttacaac acttattatg gtatttttca agttattctt cttagatttg 1320
cagtacctac tgaaatttgt gtttttatag ttgaagttag gaaaatgcta tttgatttgt 1380
awttagatat ttaagtcact tgtccaatga tgtgtatgtc taagcctcat gtaccgattt 1440
gaagtcagac ttaaaaatgt atttacagat tcacttgaga ctttttaatc ggttcttcaa 1500
atatttcatg tttacattaa aaatttccag agaagcataa aagtattcac tttcctgcct 1560
tgtcatttct ggaaagattt tggggagata ttttattgca tattaattaa taaattgttc 1620
tactaggaaa aaaaaaaaaa 1640

<210> 490
<211> 637
<212> DNA
<213> Homo sapiens

<400> 490
atttcggcac agtaccgctg ggaccagcct tatctcagac ctgcttacct gcatgatgcc 60
tttttggggg ctggggattg artcttgctg ctctgcccag ccctgttcta ttctgcargg 120
tccctgtgtt ggaattctcc ctggggaacc tactttctgc tcagtgargc tccggccaga 180
aacctggagt ccttatcctc ccctctgtaa gtgttttagg gtctggcttt tgcaggcacc 240
ctctgacctc agcagagctc ctgggcctgc tgcctgcaca ccacatcgcc tacctacaat 300
gccaaagcct cactgtcacc ctttctgcct tggtttccct agctgagcca cgctgcccat 360
gcagcagagg gcagaaggct tgcacttggg ccaaagggcc taaggtccac tggacagttg 420
ggaaaacacc tgaccaccat ttaaggactc taagccagaa tggaaaattc accaggactc 480
cattcttaag cctatgcgag tcccctagag agaggcattg tactgatata taaatattat 540
ataatatata catgagacat actgacagaa tctgtaagct aataaaatgt aagaaaaggt 600
taaaaaaaga ataggtaaat tgacaagaag taaaaaa 637

<210> 491
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<400> 491
gtatttacaa agagaagggg ccactcgtgt gtgagcagca ccgagggaca gaggtacctt 60
gcctgcttgt gtcccctcca agtccttctg atattttcct ttccagctgt tgcctagttt 120
cctggtatta aggagaatca actctctgga taaacgtggt aaatatggcc catagtccca 180
tcttttaca ggcatttttt acacctggag cagccagagg acgcatgcat ggctcttcgg 240
aaggtaattt agggatcacc catgtaagtt tcctaaggat ttctttaaca tggttcttct 300
gattcagtcc ggccaattaa atctgaaatc caccctnga aagccatctg gtgtggataa 360
caaggcccac aaattgaggc agttcagctt tttgtgncct tttaggcytg ggacaaccac 420
gggatcttaa agggggngg ggaactagga ggtttttgag ttcc 464

<210> 492
<211> 777
<212> DNA
<213> Homo sapiens

<400> 492
tctgtgtcac tcttgtatgt cctcatatct ttcatacctc ttgtgtagtc tctagaagca 60
gaacacctaa gtcctgggtc tggataatga aaccctcagt ctctggggcc tctgaaaata 120
aggaagcatt ggagctattg ccatgttgag tartgggctt cctagaacta ttgtcatcta 180
tcctgccagt gttttatgtt gtagctgttt ttctttgaca ggtgagttcc agctatgttg 240
ttagtcatga tcctgccatt attttctgtg ttctgtagga tgtctccagg ctacttaaac 300
atattttatg agtttgcaat aaaattgttg aatcttgtat gatcaagtca ctcctctgct 360
cagaaatcca cagtgacttc ttagtaagcc cctacattat atgcatactt gtttttttct 420
taactttact cccacttcta cctaacaggg acctcaactt aagtctcttc agttcttcaa 480
ggcctggcct tgttcctgat tcctcaaaaa atcttgactc taaggcctat tttattgtct 540
gtctctgaat ccctataaag cttcaagtct gtatgacatt cttaacgcca aattatatat 600
tgtcttgtac tgttcctagc tggtacatgt atattagtct tgtctccctc atgagaatgt 660
aagctcctta agggcaggga ccatgtctta atttttgtat ccaccacagg cctagcacag 720
tgcttggcac atgggtgctg aataaatacc tttgtttatt gatcarmaaa aaaaaaa 777

<210> 493
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<400> 493
tccaagctcg aattcacctc actaaaggga acaaaagctg gagctccacc gcggtggcgg 60
ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgagat taataaaaca 120
gaggagtaca ttttaccctt gcaattccag tcaatactgt ggtgtcattt cagccaacat 180
accaacattc agtcaaatcc caaagccaaa tggataattt cagatggaat ggagttagac 240
aggaactggc ttccctttct cctgttacta tgaggacaac ccacacctgc tcagtggcct 300
aaaatatttt aaatatgttc atgacaatta tgctgagaat gccaggataa crctgatgga 360
acccatgact tcaccaggat tgtggtctac atttacaggc ctagtactag aactagaccg 420
gcttagagag tgggagatat ccctctgttg tccatcgaaa agataaaaat acaggctttc 480
agccggtgtg cagtggtgca tgcctttggn ccccagctac tnaaggggggc tgagaatggg 540
ggaatccttt ttgagcccca gaaa 564

<210> 494
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (734)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (762)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (768)
<223> n equals a,t,g, or c

<400> 494
ttagagctca atgctttgtc ctctgtcatc cttctactgc atccctttct tcgtttcctc 60
acttcaactt tttagtaaac ttgtctgagg cattagcttt actcttacgc attttgctcc 120
cctgcctttt tgttataaat attatcatgg catgaaacaa aaagcctgtt atctgccttt 180
ccatgatcac tttgctgaca ctgtttcagc cacaagtaaa cctagcaact ctatgaatag 240
caggacagac ttgaatgtgg tgtgtgtgca aggaagttat ttnaactttc ttaatcttaa 300
atgccaccag aaaacattct gctccctgtt acttcttttt ttttttttct aaattacttt 360
gttttgcggt aaggagttgg ggaatgtgtg gtggcaggga agtaatgtaa gttgctttat 420
aactcactgt ctaacaaagt tttgaaaatt tgtctgatat gtaattaggt actttagggt 480
tattaggttt tcataaaaat tctggttagg gctcttgcct gctcccaatg aaagcctttc 540
cacagggcaa atataaaaga gagagtagag ggaawycccc tgaggtttaa atamgtcaaa 600
ccagtaagta atagtgctaa gtttgtcagt gcctctcttt cttactgtac ttaacatcta 660
aaggggcacc tcatttattt tcaggctaat tatgttcttt atggggtgac tgtccaatca 720

ggggaggggt gttnacggtc cagtggggag ataccctttt cntaattnat agc 773

<210> 495
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c

<400> 495
gtcctagtga agaggaaggc ctgtgtagca gaaaggcttt gggcctgaga ggttaaggcc 60
acagctgttg acacctgttt tggtcctgcg acccttttact ggtctccgct ggctttgaat 120
cttcctctgg gctctactct ggagaacata agggctgctg tggttgagtc tggctagcac 180
tgtctgtggt tggcagtgtg tacacccctc cgttcagttc cttgggggta tttttcagaa 240
atccaaaggc aacccttcgt gcagtgctca ctttttttaag tacagttgat taccccttgcc 300
tgctgggggg cctagscatg ggccagagat ggaggagccc cagtggctga caggscagcc 360
tcactcaggc acgtacctgc tgaccagtca gccactgcca acccatggcc cagccactgt 420
gtgcattagc agggaggttt gtaggscatg gaggaaatga ggagacacca cctagtggag 480
acattggggc cctgytgggg ggatggtgtc tatagstggy tctgctggct ccctcaggcc 540
ctgcttacca agctctggag gaggggagtg ctgcattact gagcaccttc cttgttnttt 600
cctcatagga cactgatgtt actgtcactt tagttatgct aaagtggagg tttcagcctc 660
cagaaggaca gcagagcctt ctagggtcac cttaagaata ggttttagct aggctggggt 720
ttt 723

<210> 496
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 496
ggtctctaaa tgatgaaaaa agaaatcatt ctcagaagga gaaaagattg tatgggtttg 60
gcctctccat atcttagcca attatgttgc tattttcatg gcttcagtta tcaaaacatt 120
actgctgggt agcagggctg tagttctcga cagccttcac agtgcacatc tcttgaagtc 180
acatgagagc tctttggaaa gttgaaatta gaggcatctc atatttactg ggkctgaatt 240
tgkccctgac tactmatgga gtagaaaatg acccattttg cctacattga gtaggctgaa 300
ggaatttgca wttctccact cttgtgaggg ttacacctaa tttatttaaa atagaacaag 360
ttcttnatgc ttagggttaa gcctttanaa atggaaaatc tcgatattca tctctctatc 420
ttgataaaag tcagccaggc cattt 445

<210> 497
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<400> 497
gcagggacag cacatgggaa agccccatgg ctttgtgatc catctgggga tgtgatccat 60
ttgggtaagg acttgggttt cagggcatga gttggcttcc ttgcaggatg caggtcctta 120
ggtgggtggc ctctgtctcc agctgtaggg ccctgccagg aagcctctat atgagcctac 180
ctccctcctg caggaccaga gaggggttgt tatgaacagc ccaggggatt ggttgcacta 240
agcttgtctt gaagcttttg ctggggagtc caggtgccca tgtctctcac ctgctcccca 300
tacacatctc tgcacacctg gctgaggcat tcccagacct aacctcagat aatgtgcatg 360
tgatgaacac tcccaagtgg ctaggcctct tgcacctgag caggtggatt ctgccccagc 420
actggggctt tctctgggct gtccatcatg ggtatatctc tggattccag gattgctagt 480
tagcacctca catttgaggg tctgtgctat tcartctara atcanaattg gatgaaaaat 540
caactttgac accacctttg gggtggctgs attggcttwa cacctgkaat cttaacactt 600
tangaagctt aagccan 617

<210> 498
<211> 1189
<212> DNA
<213> Homo sapiens

<400> 498
actactagag aaaaaccaac tggcagtttg ctaagcatat ctactggtgt tgtttctgcg 60
ccctcttttg gctaattgat gtaattatac tggctctaaa gatttactgc cccataagta 120
aatagtatag ccacattctg aacatatcaa aagtacaaac ttaggaggag tgtatgtaca 180
aaaatgtaaa attttatgaa aatgaacatg ttttttatgat gttatttcta gttcataaga 240
atgtgatgac tgctttgctt catttatgta cgttcccatt atattcttgc tgtcaatcaa 300
tcacaaattt atatcagatt aggataaact aagccatttt atgtatttta ttttaaacct 360
tattttggca gagtaattcc ttagaattgg aaaagctgtt actttgaaat taccaattta 420
ttacaaaaca tagaaatgta ttgkagctac aaagacaacc aagcattttc tgtgttttaa 480
tgaatatcta aaaaactaca tttagtttat tttactcagt tttgaaatga ttttttttact 540
ggctctattg ccttaaaata actaagagat taatgattct ttgtataatt ttccttttct 600
ttgttctttt tttaccattt cgcagagtta tatctatagt tttagtaaca atttcttatg 660

tattctggat aactgaaaac aactaaaggt gttgggcrtt agaaaataat tgtgagcagt 720
aagattactg atgtaatatg tatgttggac tgaagtattt ctttataaac attctatttg 780
attttaagca aaatgtatgt taaagcatgt ttttacatca gtaaagtcat ttgtcgacct 840
tctggaaatg aaaggttttt acctagatac tgtaagttac acctccttaa caatcatatt 900
tgtcattgtt gttttctgca aacaaaaatg tttatgggct tcatgtaggc ttaagattgt 960
aggcaaaaat ggactgagtt caggaccctt caagcagtag gcattcagtt acagagcagt 1020
tggtactttg taacccagac ttacagttta aaaatatcaa gttagctgat gtttcattat 1080
aataaaaata ctattttgct taagagttgt attacaaata tttgtgctta acattagaaa 1140
tagctgtttt aaattgtagt taacatatta acttttcag aaaaaaaaa 1189

<210> 499
<211> 396
<212> DNA
<213> Homo sapiens

<400> 499
attaaatcaa atgatattga catattatga gggagaagaa gtcaatgctg gaaggattgg 60
gctaacgcta gtagtagctg gaatggtggg ctctattctt tgtggcttat ggctggatta 120
tactaaaaca tacaacttct tcatgactgg ttacctccct ttgggttttg aatttgctgt 180
tgaaatcact taccctgaat ctgaaggtac ttcatctggt cttcttaatg cttctgcaca 240
gatatttgga attytgttca cattggctca aggaaagctc acatcakact atggtcctaa 300
ggcagggaac atttwtctct gtgtctggat gtttatasgc atcatattaa cagcattaat 360
caagtctgat ctgcgagaca caacataaat atagga 396

<210> 500
<211> 1309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<400> 500
aaaatgtgcc agttccactt ggtaataacg ttgggaaaat gcaggtttat gaatgatgtg 60
gacttttaga ggatcaaatc aataaattgg attttttatt ttttgagggc agctgcmtca 120
ctgttttaaa taaagaatct tacataagaa tgttgacaac attcacagta agccattgsa 180
gaaaattgat ctgcatgtcc tagaccaatg attacaaggt gtctgtgggt ctgtggttta 240
gggggcccag ccnatcattc cttttcccct tggcactcat gagagagatg ccaagttcag 300
tgtggatttt tcttggtgct ctatggagaa atggagtctg tgtgcttact gaagagtccc 360
aaaaascaga gaccattttc atttaytgcc atcataaata ttctccacca ttcaagatgc 420
ctgtgtacac ggctatttgg gaaactwaag tgttggagga ggcaggggct gaaggtgtca 480
aaacctcctc agtaggataa ccccttttctc ccctttggac catctgccat ctttcatgag 540
tgtttcccat ggtgtttttg catccagagt tgacarcaac tcaattttgc cttgaattta 600
ctcagtctta taaattaaaa atgtgcattt tatataaaga tgcattttat ataaaaatgc 660
acacctttaa tctctatatg gcagcatata catatatata tataaaatgc acacttttaa 720
tctctatatg gcagcatttt tgaggcttta tatctgcccg tgtaccctca actgcctcyt 780
ttttgcagag aacgatcccc acaggaactg gtctaagaac actgtctgca catgattgat 840
gcttaaaatc caatatacca ccacatatca aaggktggga ttttcagagt ccttcttgat 900
ttctgagctg aaaccttaac aaatagggaa tttggcaggg aagacacctg ggtttttaat 960

tcagaaccct atttatatac tgttaaaatt tgaggtacta tagtttatat aaaagtcgga 1020
tgttaagata ttatatttca gtactaggag cttctttgca gtcattaaca tgacaaatta 1080
agtaataaat ataaaagtga ttgtccataa attatcattg aatttttgt ttattttgta 1140
gtgttctgta tttatctgca ctttgtgtat atatacacac atacatatgc caacatgtaa 1200
ataacctcat gtttattcct aatctaaatt gccmcaatat ttttaatgta tggttacact 1260
gtgttttaaa ttactttaaa aataaacttt gtaagcagaa aaaaaaaaa 1309

<210> 501
<211> 944
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (882)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (892)
<223> n equals a,t,g, or c

<400> 501
aattcggcan nagggnncaa agcagttaga gttcagaggc cagcggctca gggccactcc 60
ctccctagcc ttcatcagca gagcaccctc catccccctg cattgctctt ctgtgaaagc 120
aaatactaaa ggatgccatc ctctggaatc ctaatggcag gcaaagggag agaggaaggg 180
tgacggcttc tggcacttag aaaacaaaaa gaacaaaaaa agagaaaccc ccaagcctgg 240
aacgcagaga ggtctttact gctgggatcc acggaaaaca tgtctgtcct agccaagatc 300
atatgaagag tttggcacgg aggctgagaa tgacctggca tagatggttt gccagttagg 360
atgtctcaat ttgagccttt gcttttggtg gataactcag ctcccctctt gtaacctgga 420
aagttggttg cctttatcat cctgctggtt ttatccatgg actgaacacc caacagcagt 480

gcactatgst ttctatggca tctttcattc tcattttata ttgtgctata aaaaggattg 540
tttctccata tatatattat atatgtgtat atatataata tatatatgtr tatatatatt 600
atatatatat attatatata taatatatat ataaaatata tatatatatg ctctcctctt 660
tcagcctctt tgtcacaggg aaraagtgta ggargttgcc ttgggcctgc ctctctccta 720
acctcctctt ccccactggg taccctcagc ccctatattt taattcttga tcatgtarga 780
aattgttttt gggtaaatgt tgatattatt gttattatca ttattaatta aataaagggg 840
aaaagggaat ttttgtttta aatgaggaaa tgtttaacca gnttctgttc tnttttggat 900
tgtggacttg gcacctttg ttccaaggta tttcctttgg ggcc 944

<210> 502
<211> 664
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (628)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (631)
<223> n equals a,t,g, or c

<400> 502
ggcagaggtc agtagggatt taagataggg agaaaatgta gctcagggaa aatgtgtgca 60
gtacaaaaga cccataaatt tttcagaaag cagcttggcc ctgtgnaagt tgaccagatt 120
gaaagtccca gaatcctggg ttccagtnca ctcatgaatg gcttttggtt aattcttcct 180
gtgcttcaat tccttctctt gtgtgaaatg ggtaacacct tatctgcctc cctgagatgt 240
catggaaata agcaaaatta ggtcttaaaa ctacttggaa acctaaattg tgaaaattat 300
ctttatctct gttgtttctt agttaccagt ttaccagaag taacttaaca ctaggattct 360
ctgcyagtac taaaattaga ctctaccact ctgggctttc cttttctccc tcttgctttt 420
gttttcgggg cgtggaggag acatctgtgc tgctggagtt aataataaac taaagactaa 480
agaataactt ctcccactag aaaatactat tttcatccta cccacctgat caggctttaa 540
aagaaggagc ccaaatctgc catggatttt gattatttga ttcactttkg gaaatgtgcc 600
tgaraaarcc tagggaatga gagaagtngg nataaatggg aatcttaaat ggtatagaaa 660
ccaa 664

<210> 503
<211> 602
<212> DNA

<213> Homo sapiens

<400> 503
ggtttttcgg ggggtggccc aagccagcct cgctctcggk gggggccatg gtgaggctgg 60
agcctgagga ccaagtgtgg gtgcaggtgg gtgtgggtga ctacattggc atctatgcca 120
gcatcaagac agacagcacc ttctccggat ttctggtgta ctccgactgg cacagctccc 180
cagtctttgc ttagtgccca ctgcaaagtg agctcatgct ctcactccta gaaggagggt 240
gtgaggctga caaccaggtc atccaggagg gctggccccc ctggaatatt gtgaatgact 300
agggaggtgg ggtagagcac tctccgtcct gctgctggca aggaatggga acagtggctg 360
tctgcgatca ggtctggcag catggggcag tggctggatt tctgcccaag accagaggag 420
tgtgctgtgc tggcaagtgt aagtccccca gttgctctgg tccaggagcc cacggtgggg 480
tgctctcttc ctggtcctct gcttctctgg atcctcccca ccccctcctg ctcctggggc 540
cggccctttt ctcagagatc actcaataaa cctaagaacc ctcaaaaaaa aaaaaaaaag 600
gg 602

<210> 504
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<400> 504
tcatgactga aaaggagctt tggaaatcac tgcataaggc ttgatttatt tgcacaactt 60
tctttagggt tgcagctaga acaaacctgt gcgctttgaa atgttacctt ctgctctctg 120
ttcccaagta cagagaaata atgttgcaaa tctcacttct gctgaacatt atgcttcctg 180
atgcatttag cagacactaa acatttgtca tactctaaac aaagttacaa aggactagaa 240
gaattcttgt tctgtattta gaaacccact cacattactt gatatttggg tatttaagtc 300
atgaaaggta tttcttctag gaagcagtga ttctaaagtg tatgcttaac cagtcagttg 360
agtgtctact cttgtgtgtt cacaagtgta ccaargtttt kggtaaatta agaatattat 420
ttcaaataaa ttaattcatc cccataggag ccagtttaca gataatccgt tctcntttct 480
ggcaatcata cacaatgaac tcatttccga ataaatataa tanttttcct tatttccacc 540
ntggtcc 547

<210> 505
<211> 2083
<212> DNA
<213> Homo sapiens

<400> 505
cgtccgattt actattctta aattataggc agctgtttgg ggaagaagat gctgatcaag 60
aagtatctcc tgacagagct gaccctgaag ctgcctggga accaacggaa gccgaagcca 120
gagctagagc atctaatgaa gatggtgaca ttaaacgtat ttctactaag gaatgggcta 180
aatcaactgg atatgatcca gttaaacttt ttaccaagct ttttaaagat gacatcaggt 240
atctgttgac aatggacaaa ctatggcgga aaaggaaacc tccagttccg ttggactggg 300
ctgaagtaca aagtcaagga gaagaaacga atgcatcaga tcaacagaat gaaccccagt 360
taggcctgaa agaccagcag gttctagatg taaagagcta tgcacgtctt ttttcaaaga 420
gcatcgagac tttgagagtt catttagcag aaaaggggga tggagctgag ctcatatggg 480
ataaggatga cccatctgca atggattttg tcacctctgc tgcaaacctc aggatgcata 540
ttttcagtat gaatatgaag agtagatttg atatcaaatc aatggcaggg aacattattc 600
ctgctattgc tactactaat gcagtaattg ctgggttgat agtattggaa ggattgaaga 660
ttttatcagg aaaaatagac cagtgcagaa caatttttt gaataaacaa ccaaacccaa 720
gaaagaagct tcttgtgcct tgtgcactgg atcctcccaa ccccaattgt tatgtatgtg 780
ccagcaagcc agaggtgact gtgcggctga atgtccataa agtgactgtt ctcaccttac 840
aagacaagat agtgaaagaa aaatttgcta tggtagcacc agatgtccaa attgaagatg 900
ggaaaggaac aatcctaata tcttccgaag agggagagac ggaagctaat aatcacaaga 960
agttgtcaga atttggaatt agaaatggca gccggcttca agcagatgac ttcctccagg 1020
actatacttt attgatcaac atccttcata gtgaagacct aggaaaggac gttgaatttg 1080
aagttgttgg tgatgccccg gaaaaagtgg ggcccaaaca agctgaagat gctgccaaaa 1140
gcataaccaa tggcagtgat gatggagctc agccctccac ctccacagct caagagcaag 1200
atgacgttct catagttgat tcggatgaag aagattcttc aaataatgcc gacgtcagtg 1260
aagaagagag aagccgcaag aggaaattag atgagaaaga gaatctcagt gcaaagaggt 1320
cacgtataga acagaaggaa gagcttgatg atgtcatagc attagattga acagaaatgc 1380
ctctaaacag aaccctctta ctatttagtt tatctgggca gaaccagatt gttatgtcct 1440
ttgttccaaa gggaaaaaat tgacagcagt gacttgaaaa tgattctgct ccctttgaaa 1500
gcattcattt tgctagaact gttagacaca ttgcagtatg ctgtattgaa agtaggaata 1560
tagttttaaa aacccctttga acaaagtgtg tgcataacca gtcatgagat aaaacaacac 1620
aatgcatgtt gccttttttaa tgtaaatacc cttaggtatc attaatagtt tcaaaatatt 1680
gtggtttagt aaagttgata cctggttata aatattatgc ctttatttttt ggctagaaga 1740
agaattattt ttagcctaga tctaaccatt ttcatactct taactgattg aaacagattc 1800
aaagaagtat cgagtgctat gcattgaaac ttgtttttaa atgttagatg gcactatgta 1860
tattaatgta aaacaatgtt aatttactca agttttcagt ttgtaccgcc tggtatgtct 1920
gtgtaagaag ccaatttttg tgtattgtta cagtttcagg ttatttatat tcgatgtttt 1980
gtaaaactca aataacgact atacttatgg accaaataaa tggcatctgc attcttgtta 2040
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 2083

<210> 506
<211> 1234
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<400> 506
agcctccctc ttccccatgg aacttacaat caagaagcat cttccaattt catgtacact 60
aaacctaggt ggccacaagc ttcatttggg ccatgaactc ctttgaaacc ctcataanaa 120

ctgtcctact atctccctgg taaatcgcac atacacagag ttttgccttt caggacatat 180
ggccttataa gattttgact actagtgacc aaaatgttga tgtttttcaa aaattacaca 240
gaattgttaa gatggaatag ttttattcag caaacaaaaa acttgctaat tcagagtatc 300
ctctagtcca cgtaatgtgg tttagactac atttgcaaaa ttagggcctt gacgctgaac 360
aaaataaaat ccagaggaag aactacagta tccaatcaaa aaggaagtac tagcaaatga 420
accagaataa aagactttat tgtattccat acattcacag gtcacttcca gatttagtaa 480
caacactgca atgctatgat gctgtgcggt catttagctt aaaccacagt gtaagttggt 540
agctctctcc tgctctcttg gcctctagat gtatcacaat acaattccta actgtggcct 600
ggcaaccaat gcttatttca ttggattatt ttctgactgg gacatgagtt catcgcatct 660
tcccagaatt ttaaagtacc ttcccttaca ttataagaga tgaccaaaca ctctagtgtg 720
arggctgctt cacacactgt tcttatctat catgattgct cttccttaca tacacgtccc 780
gtacagatca gctacacacg gcatggtcct gaaaccacag cttttgtttc tttggccaga 840
atgcacccct caccttgagt gcccgcctta gaaacacagg tacttggttc tcacagggtg 900
tgcatggttg acacaagttc atctgcccca cggtaaaagc tcttcaaaac ctttgcatga 960
cttgtgggga gcagggtcac aatttgttgc atgtgacctg cctcagcctc aaaagataag 1020
agatcatgag gctccaccgc ccccgggctc aggaaacttg atccacatcg ctagggctct 1080
gcctgttagg ttatggatgc tcacctgact ctctgaagca gagggaggct gacacagatt 1140
agcttttatt gaaattatta aagtgcaact ttgtgttttc actctatcag gcactgaaaa 1200
gcaagaagct tttaattttt tcttttctat aatg 1234

<210> 507
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<400> 507
gatacaggcg tgagccactg tgccsggcct tcttctttca agttatatag aatggagcat 60
gggggtggca gtggctaggg acatttcctg gggacactct cccctaaccc cccagaagga 120
cttcacaaaa acctgtggat aatggaaggg atgttacggt acaaacgtat atttatgtgt 180
gtgtgtgtgt atgtgtgtgc gcgcgcgcgt gtgcacatag gcgtgatgtc tgtgaccctc 240
ctctcctcgt cacatttccc ccagaatgaa tgctgtcctg tctgctcatg tttgtgttga 300
agctgccaaa gtcggggagc tctggtcctg cccagacccc tttggaattg ctggcccatc 360
ctcccactgg agagctgggg tgcagctcac cttggggaag gaaacctcat gcctcagagt 420
aatttcttgt gaatgcaaag cctgggggag cgggtctttg gggggcaagg agccagtcag 480
gggcttgttt cccctcatag agctccccag acgtgcctcc gcaatgcctg aaacccagac 540
ctaggctaat aaacggttca atttctgtta aaaaaaaaaa aaaaaaaact cgaggggggc 600
cgtacccawt sgccctttng tgggtggttt taaaattcat tgggcc 646

<210> 508
<211> 2257
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (838)

<223> n equals a,t,g, or c

<400> 508
ggatgattag gctgtgtgtg cgkgtgagaa tgatcacatg tggcgtcatg ctttgtacag 60
agcctcagac cactgggcct ygtccagtga gagtcctctc tggcgacatc acacgcggag 120
agccaggggc caccttagat ctcagatctc tcagagcaat acttttctga actgccactg 180
tgcctgggtg gttgggtttg gtgtcatgct tctgactaga gtagatcgcg catgtccacc 240
agtgatacgt tgagtcctta cagttccccc catggagtcc cataagcagc tccatcgaga 300
tctgtcagca agttgcagga ccccacaatg ttctgacatg ttaagacccc cttacatgac 360
gagtagagag gcagctgagg ccacaaccgt gtcttcctct tgaatggagc taactcggaa 420
ccccccgttt tctcttcctt tctgcccacc actgaacatt gccttttaga taactcagtg 480
tttcttctag atgtcatagc aatagacttt cactttcatg aagtttgggt acgatttgga 540
ttctcgctta agtacakata tttatcaata tttttataag gcaaagttca yttaaaaaat 600
ctttccaagt agcagtgtgc ctaagatggc aaaatactaa aaactggtgt ttcctgctcc 660
tgttgtgtgt cacttttcaa gccgattgaa atatttctgg styttagggc attacttttt 720
aactatctcc tttaaaaacg atgttctgta ggtttagtgt ctttgttcat ttccaaaaga 780
gtccagacaa ctgtgtctgc ccctgcagag gctgtttgtc caaaggcagc atgccgcntt 840
ccaccggaac gcagacagca ggggagcgga attctaaagc agcgacttaa aatgaggaat 900
ccccaattgc actaaatggt ttcaggattg actaatcatt gtcttaacat taactcagat 960
tttcgatgtg taaagagctg tgtgacttgg cgtctgagag atccctctgc tttgctttgc 1020
ttcagagtcc tcgcacccgc atcctcagaa ctgtggggca tggtgggctc taacgagcac 1080
tccccttctg ttttccttca ttacttttga cctccttaag acttcagaga gaatgtccgt 1140
caagttcttt tctccatcaa gttctttaag ttccttgaaa ggaagggact gtgcaaacac 1200
aaagcaatat tcttttgtat ctgcaaatgc gtcmgtggac ataccaattg gtatcaaata 1260
gaataaaatc aaatataaat gtttgagtct taggttaaaa aggaaggtta tttgtatagt 1320
ttatagataa tgaaggaaaa atttcttttt cattgcagga aatcttgttt actggaagat 1380
agagtcactc ttttcatata agacaaatag tgctttaatg ccaacttctt tttatctcaa 1440
catttcagga tcatgctagg cacactgccc ccttgaatag acattatatg cacagttgca 1500
agtcagccaa tgtttttatt cagaagtatt tccccccatt atagtgcctg cctatcagag 1560
atacaaaaag catccaacac actaccgtaa taggcttctt tggggatgag aaatttgagt 1620
ctcaacaact cagagtttga gatgtcagct tttttggtaa acgtaggtgt tagaggtata 1680
ttttgctttc ctacaacaat tgttggccct tgatttcaag catgttgctt cataggaagc 1740
accagagtgc catctgctgc atttcaagag attgtaaatg tcatctcagc tggctcagtt 1800
atatctctaa tgtcccgggt agcagcacct ccctctaaaa atatgtttac ttcgctgttt 1860
cacttgtatt ttgtgtatac gaaatggcag cttccgattt ctagttggat ttgtcttgca 1920
ttgtttgtat aacttgctgg tcacccaggg ctatttgctt tttcattgag aaatttggta 1980
ggggtgtcta gttcagcttt tatgttgatc catcctgact tattttagac attgaattta 2040
tctcaccaca agtaaaagaa catgtgtatt gactgtcttt gctaagtttc ctaatttttc 2100
ctaattatgg caattatgga tgtgaataag aatactgatg ctgtacaaat atttttgtgg 2160
aaatgtacct tgttaatgtg actatttaaa taatatgaaa ataagaatac tcttgaagaa 2220
aaaattaaaa tatttactct ttggaaaaaa aaaaaaa 2257

<210> 509
<211> 701
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (637)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (676)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (691)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (700)
<223> n equals a,t,g, or c

<400> 509
ccccaaagng ggcccgcctg aaagggccct aggnagtaca cctcctagga accctaagcc 60
agagagaggc ttcactacat catgcttcct gacatctctc ccctttgaag agcagtcaga 120
ctcctgcttt gctcttcaga cttaatttgg gggtttaaca ggtgaggttg ctgggggaac 180
tcttttacaa catctctctg aaakaatccg ggctgccagt ttcatttggt ttgggtgtca 240
gtagcatgat ggaaagacaa aaaaacacaa cttgacatct gcagaaatgg gttcaaattt 300
tacctgcaac tcaccaattc tgtggccttg gttcagcaat taaactccct aaaattcagt 360
tttttctttg taaaatgggg ttatgaacag tacctacttc aaaatgtgtt tgtgaagatt 420
aaaaaagtta acataaagag tttaraagag tgtctggcaa aaaaaaaaaa aaaaaaaaaa 480
aaaagggcgg ccgctctaga ggatccaagc ttacgtacgc gtgcatgcga cgtcatagct 540
cttctatagt gtcacctaaa ttcaattcac tggccgtcgt tttacaacgt cgtgactggn 600
aaaaccctgg cgttacccaa ctttaatcgc cttgcancac atccccnttt cgccagctgg 660
cgttaattag ctgaanaggc cccgcaccgg ntcggccttn c 701

<210> 510

BNSDOCID: <WO___0122920A2_I_>

<211> 345
<212> DNA
<213> Homo sapiens

<400> 510
cagagtgaga cactgtctta aaaaaaatta aaaattgtaa aaaaatgaaa aaaaaagttt 60
tgagcattat ttgcatcatt gggatacata tgtcacttca caagatgttc aatttgaagg 120
aaataccact cattctctat gtcctgttgt ctgtagtgtg cttcagtttt tcatattgag 180
ttgacctaaa tcctggattc atgacaagaa aggagtaagt actactattc attgttctat 240
ttgtttataa tctgtattat aaaattgcac ataattaaaa gctttccctt gtcttcaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 345

<210> 511
<211> 967
<212> DNA
<213> Homo sapiens

<400> 511
gacctgtcac tgcctcccgc cgcctcctgc ccgcgccatg acccakycgg tgccccggct 60
ctccgtgccc gccgcgctgg ccctgggctc agccgcactg ggcgccgcct tcgccactgg 120
cctcttcctg gggaggcggt gccccccatg gcgaggccgg cgagagcagt gcctgcttcc 180
ccccgaggac arccgcctgt ggcagtatct tctgagccgc tccatgcggg agcacccggc 240
gctgcgaagc ctgaggctgc tgaccctgga gcagccgcag ggggattcta tgatgacctg 300
cgagcaggcc cagctcttgg ccaacctggc gcggctcatc caggccaaga aggcgctgga 360
cctgggcacc ttcacgggct actccgccct ggccctggcc ctggcgctgc ccgcggacgg 420
gcgcgtggtg acctgcgagg tggacgcgca gcccccggag ctgggacggc ccctgtggag 480
gcaggccgag gcggagcaca agatcgacct ccggctgaag cccgccttgg agaccctgga 540
cgagctgctg gcggcgggcg aggccggcac cttcgacgtg gccgtggtgg atgcggacaa 600
ggagaactgc tccgcctact acgagcgctg cctgcagctg ctgcgacccg gaggcatcct 660
cgccgtcctc agagtcctgt ggcgcgggaa ggtgctgcaa cctccgaaag gggacgtggc 720
ggccgagtgt gtgcgaaacc taaacgaacg catccggcgg gacgtcaggg tctacatcag 780
cctcctgccc ctgggcgatg gactcacctt ggccttcaag atctagggct ggcccctagt 840
gagtgggctc gagggagggt tgcctgggaa ccccaggaat tgaccctgag ttttaaattc 900
gaaaataaag tggggstggg acacacgaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagtc 960
gtatcga 967

<210> 512
<211> 532
<212> DNA
<213> Homo sapiens

<400> 512
tactatcggg aaagctggta cgcctgcagg taccggtccg gaattcccgg gtcgacccac 60
gcgtccggct cccggttcca ggcgagttcg cagctgcgcg ccgggtcctg gaggccgagg 120
ccgctcccgc ccgttgtccc cgcagtcccc gacgggagcg ccatggccca gccgccgccc 180
gacgtggagg gggacgactg tctccccgcg taccgccacc tcttctgccc ggacctgctg 240
cgggacaaag tggccttcat cacaggaggc ggctctggga ttgggttccg gattgctgag 300
attttcatgc ggcacggctg ccatacggtg attgccagta ggagcctgcc gcgagtgctg 360
acggccgcca ggaagctggc tggggccacc ggccggcgct gcctccctct ctctatggac 420
gtccgarcgc ccccagctgt catggccgcc gtggaccagg ctctgaagga gtttggcaga 480
atcgacattc tcattaactg tgcggccggg aacttcctgt gccccgctgg cg 532

<210> 513
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 513
gcaaacagtt cttccattan tgaagcgaga ggaaaagcca taataattnc atcttcaccc 60
actacccttc cagagctttg cttctcctcc acatttagcc attaaattgc atgaggattt 120
ctcttcatca gggtccgcat ggaatctttc ttatatttta ccctttccta catgtagcct 180
tgaatgtcct ttccacaaat atgctcccac ggctgggagc attttctttt cttttcgtca 240
cctttgattt ttgggattag attaataggg gaaaaagtcc ctggctttaa agaaaacaaa 300
agtagaattc ttcaaaaata aatttcatac tgggaacaga aaggaactaa atgcttcata 360
aaacagggaa aaagaaatta agatcatcct agaaataaac taagatwaaa ataagtatac 420
tgacccttgg ttggtagata aaaagatgac cagtcttgta ttgntttaaa attagataaa 480
catggrttaa gcatgcaaag actctgktcc ttttt 515

<210> 514
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<400> 514
tctaacatcc tccctttgct gtyctgaaaa cttcacgtca gagtcatatt taaatgtgta 60
attactgctc tttctcctgc ttataattca ttatactttt tgaatttgag gcttgtgttt 120
ttatgaacct tgaaaagccc tctgctgccg gcctctggag ccaccgtctc cctgccctgc 180

tctctcctct gccgaggtgc ctgttaagct gcattctctc ctccacagct ccccgcttcc 240
tgcaggcttc ctgtctcact ttctttctgt gctccagagt ctaggcaatc tctkttgtta 300
gaacttccaa ttcaccaata ctttcttatg ttgygtctaa taagctacat catctgctca 360
ctgggttttt tatttcagtg attatagttt tcatttccag atattccata tgccttaaaa 420
acatctgcat gatactccat ggttttaact cccctgatga atactgngca tttaaccatc 480
ccagcacgtg agggn 495

<210> 515
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<400> 515
attacaggca tgagccaccg cgcccggctg aactnatttt tttttaatga agtgcatcgt 60
gttcccactt gcacttaaag ktcacatttg gtgccaggct gtattgcttc ytctcactgg 120
tgagtggcag ctgtgtctcc tttctgccag tccagcagtc ccagctgtca gtggcacctg 180
cataatgaca cgtctgcatt tccccccaat crgcrtgcag cggttttggg aggaggaatg 240
cgactgcatg gcgcgctcgc tgcaacctca gtctgcagcc tgctagggac gcacggccac 300
actcctgtct ttcagcctca gtctgcagcc tgctagggac gcacggccac actcctgtct 360
ttcagcctca gtctgcagcc tgctagggac gcacggccac actcctgtct ttcagcctca 420
gtctgtagcc tgctagggat gcacgg 446

<210> 516
<211> 1175
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (699)
<223> n equals a,t,g, or c

<400> 516
aattcggcac gaggtttctc tagaagtaat ttatgttatc aggttatccc ctgagttttt 60
tcttactcac catatgtctg gtggttctca cagccagggg cactgagggg ctctgccctg 120
ggatctggag gccagcactg ttcacctgat ctccaccact gagatacctc tggctagagc 180
cataatcagg tggcccaaag gactgaacaa ggaagaatgg gagggcactc tagactaatt 240
aaggttgtct tttcagtcta aagttaacaa tgacacacat gaattttcat atcagtataa 300
ttagatgcgg gtcccatcta attacagtgg gtcattatgg ctgttcggtt agagcagctt 360
gggtgctctg tgaccatggc atgtgcccgt gtcaggacta gacaaagtca tttgcttggg 420
gaagctctct ccccttcagg tgtgaggcca ggagcacctg gtgtgggtcc tgtccctgag 480

gttctgtcct acaccaccct catgcaacac ctactacaca caggtgcaca gcgactgtca 540
caggcgcttc atgtttaagg atgggcctcc gtgtcataaa ctttttaaa gggtatatag 600
rgatagctta tgraatccaa atcaaaggtc cagagtttnc agcaaattgt acctacctat 660
ttgccaactt amctcaccat agaaagccaa aagattcanc ctgtggccag tctttcacat 720
tacagagttt aaagtacttt ttttaaatty ctatttttatt tttaacaaaa tatttaacaa 780
aatatagtat atctcatgtg ccaggtacta tttgtaatat ttataaacac tgatttaytt 840
aatcttcaca gagactcatt ttacagattg gaaaacagag gcagagagaa gttaagtaac 900
tttaatgtca ctcagctggg tagtatcaaa gtcttggctg ctggctccag agtctagacc 960
tttaaccact gtgttatgct ttccatgggt aaagcaacct aaaaaggccc ctggaatcag 1020
ttacatgtgg ttggagacta actctgtcat tgacttacta aatgcttgat attgggcaat 1080
ttatctaacc tctctctgca tttagtaagt caatgacaga gttagtctcc aaccactgtg 1140
ttatgctttc catgggtaaa gcaacctaaa aaggc 1175

<210> 517
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<400> 517
ctaacatttt tttccttttt tttcccccaa aggatataat gtattatcta tcaaccactc 60
tctcagaata acttgtttgt tttatcatgt actgtgatag gttagtcatg aatttgcagt 120
taatgaaggg ctatttattt catgcctacc ctcacaggtt ttctttcttt tttcttttt 180
gtgacggagc tcactctttc accaggctgg agtgcagtgg cacgatctca gctcactgca 240
atctccacct ccccagttca agtgattctc ctgcctcagc ctcctgagta gctgggactg 300
caagtatgaa ccaccatgac tggctaatgg tggttttntt tttngtttgt ttgtttgttt 360
gtttgttttt ttggcagcag gtcggtgggt gggcagtgtt tgtagagaca gggtctcaca 420
ttgtgcccag gctagtctca aactcctgat gtgaagcaat cctctccgct cag 473

<210> 518
<211> 1508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (929)
<223> n equals a,t,g, or c

<400> 518
catcgaccgg gagctgagcc ctgagggccc aggcaaggag aaggagctgc ctggacagac 60
cctgcactgg gggcccgagg ccacagaagc cgcaggtcgg ggtctgcagc ccctgaagct 120

ggactaccgc gccctggccg ccgtgcccag cgctggcagc gtgcagaggg taccgtctgg 180
agcagctgga gggaagatgg ctgaatctcc ctgctcccct agtggccagc agccgccctc 240
cccgccttct ccggatgagc tgcccgccaa tgtgaagcag gcctacaggg cyttcgcggc 300
cgtgcccact tctcacccgc ctgaggatgc ccctgcccag ccccccacgc ctgggcctgc 360
agcctccccg gagcagctgt ccttccggga gcggcagaag tactttgagc tggaggtgcg 420
cgtgccccag gccgagggcc cccctaagcg cgtgtccctg gtgggtgctg acgacctgcg 480
gaagatgcag gaggaggaag ccagaaaact acagcagaag agagcgcaga tgctrcggga 540
ggcggcagag gctggggccg aagcgaggct cgccctggac ggggagacgc tgggcgagga 600
ggaacaggag gatgagcagc caccctgggc cagcccgagc cccacctcaa ggcagagccc 660
ggcgtccccc ccgcccctgg gaggtggcgc cccggtgcgg acggccaaag ctgaacggcg 720
ccaccaggag cggctgcgcg tgcagagtcc ggagccaccg gcacccgagc gtgccctgtc 780
ccctgccgag ctccgggccc tggaggccga gaagcgtgcg ctgtggaggg cagccaggat 840
gaagtcattg gaacaggacg ctctccgagc acagatggtc ctcagcaggt cccaggaagg 900
ccggggyacg cgggggcccc tggagcgant ggccgaggcc ccttcccctg cgcccacccc 960
gtcgcccacc cctgtggaag acctcggccc ccagaccagc acctccccgg gacgcctgtc 1020
accggacttt gctgaggagt tgaggtccct ggaaccatct cccagccctg gcccgcagga 1080
ggaggatgga gaagtggctc tggtgcttct gggcaggccc tcacccggcg ctgtgggccc 1140
tgaagatgtg gcactgtgca gcagccgccg ccccgtaagg cctgggcgcc gtggcctggg 1200
ccctgtgccc tcctagagga gcaggcacct cccccagact tggggtgggg gccctgccag 1260
ctccagcacc acccttgccc caagtctttt aacctgggtg ttagcatttt aaagagaccc 1320
cacaggagtt ctggcctgtg actaactaac tgccccaccc cagccgagac ctcggcgaga 1380
ctgtaactag tgatgtttgt acaaccaaag actctatttt gtggtttaag gagaataaag 1440
ttgactacat tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa 1500
aaaaaaaa 1508

<210> 519
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<400> 519
cctcactaag ggancaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccgg gctgcaggaa ttcggcacga gtatgtttgt ttcggttgaa atttttcctt 120
aagtgtctgg tgatccctgg atttctgctc ataattaagg aaaagaatgc tgactcactg 180
gacccaggca gggcttctct cccagattgc aggcttgcct cggggataca cgggtttccc 240
aaatgctaga atgaaaagag attttatttt ggcttgctaa catcaaagat actagtttct 300
ccagatggtt tattcagaac actgttgtct tatttttatt tgtctgagat taaatgtctt 360
ccccttaat taaagggagg tctctgatga agtaggtttg ggaactgcta ccttggtgac 420
agcttgagtc tttcctttag tgaagtgcag cacaattcca cgtgcacggt gaccttctct 480
tgattagggt gccttggaat gtacagaacc taacttgaat atacagcact ggtttcttgg 540
taagragtgt acagtgatct aaacttgcaa accaaaatac agagatgatg gg 592

<210> 520
<211> 568
<212> DNA
<213> Homo sapiens

<400> 520
gctgcagcct cacagactcg ctgagtcgct cctgcagaaa ggggggggaga gagatcgaaa 60
agcaggggag ggggacggca cggccgttta cctgtctgcc tcctcattcg ctctcccccc 120
tcgttctgct cactcctggt gtcagcctat ccgccttccc aaaccctccc attcccccgg 180
tgtagccccc cccttcactt tccttctcgt cctctgtgtt tctcctctct tctttcttcc 240
cttcccctc tagcattgct accttctctc ctacacgcac gcaggcatat aaacgtaggt 300
ttttgatgct cctctgcctg ttgaccccgc tattttcatg tttccaacag gtttttcttc 360
ccccagtccc tcagctgctg ctgctgctca ggaggtcaga tctgccactg atggtaatac 420
cagcaccact ccggcccacc tctgccaaga aggagaaagt taaacagcag cagcagtagc 480
agcagtaaca gtagtaacga gagagaagac tttgmttcca cctcttcctc ctsttccact 540
cctcctttac aacccaggga ttcggcat 568

<210> 521
<211> 987
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (934)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (968)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (974)

<223> n equals a,t,g, or c

<400> 521
tcttcactaa gggatcaaag ctggngcncc accgcggtgc gaccgctcta gaactagtgg 60
ntcccccggg ctgcaggaat tcggcacgag ttttttttct ctttgtgaat tgaatgtacg 120
atacaaatgg taggccttca tgtgagccag ttactacatg antcttcatt tcccacagtg 180
gtttgttcat tcatcagcgt taggcttggt cctggctcca cctttctcct ctccgggcac 240
tgaccccacc tttccgtgta tttactgtag gctattaaat atgatcatga cccgccttgc 300
attttcattc atcacctgtt tatgcccaaa tttaaaggaa gtttgtctca ttttgccaga 360
aaaaaattgt aatagtcggc acgctggatt tgtagggcca gcaaaattgc ggcagtgaaa 420
ctagtttcac ttctaaagcc cttcatttcc cacaaggtta agctctcgaa accccatttg 480
atccttggtt cctatttcga tcctcctttg gaatctgaaa atcggtctcc atgttgtatg 540
cagattagaa gttgccttgt ttgttactct tccaacacag ggtatcaggg agaaagaggc 600
cttatctgtt cctccatccc ccctgttttg acagactgct aagaattcct caggacttcc 660
tttggttggg gattttactt tcccaaaagt ctgatctgat ttctttcagg ggtagacaag 720
cttgtcctag tgstctgstt caggtcttat cagaaggaaa cccagggaat aggaaaaggt 780
aggatgcctt gacttttgtc cctgttgtgg gggacttaaa gtgtttttg ccagaattgt 840
tcaaaagctc cggtttcaaa ctctgtagga gttttcatgg ggaaaaacaa aacaaaacaa 900
aaaaggtggc ttattcgtcc ccggagatgt tgtnagtaag gttcttccag cacggctttg 960
gggttttncc caantgggga agccaag 987

<210> 522
<211> 1155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<400> 522
tagtgtcntn tgntggaacc ggnctcacta tagggaaagc tggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cgcccacgcg tccgcccacg cgtccgccca 120
cgcgtccgca acaatatcct tattttaggt gccactagca gatgtaagcg tatacttagt 180
tgccgttaga tgtgacagaa tgagataatt tatgtaaagc agtagagtac ctggcacaaa 240

gcaaacaata aatattattg ttattgttgt tataattgta aaatgaatga cttcaaaaac 300
atagtcccag tttggaggga ttttgtgatg cagaatatct aagtcataga aatagaagac 360
aggtggaata agtatatgtt cagagttttt agatgtgttg agtagagacg gkaataatgg 420
aagcattaaa tacaaatgaa aatcacacca gatatccctg raattcaagc aaagaaagtt 480
catcatgtat tcttgggcag caagagaaag gactagggtt atggcaatgt gtggaaaagt 540
tgaggcttgc taagggttga gatctgttgg tagccctggw tcacatgggg tcagcaccag 600
gcagtgscty tgaaagcgga garaggtcct ggacttccct tgkgkataac agttcctagt 660
gtccaacaat gaggaaaygg tgaagcatgg ttacaaaact gtgacaaaaa tatttacatc 720
tagcactgtt accactcaca tgccaaacat tggctgcaca cgtgcagctt atttgtaatt 780
aacatcaaaa gactagatct gaagccttcc ataaatgaga ggccattcat atggcattcc 840
tggaacaaaa cactgcacag gtaccagcct ctccactcct gaccgggttg gtgctgaaca 900
gtcagggatt gttcttgaac tagacttctg atgcttcttg caatcttctt tcatctttcc 960
ctgaaataca caaaataaac aaatacaata acaaatagta attaaatgac tttcaggata 1020
acatctagtt gttcagactt cacccttcac aggtgtgtgt gtatgtgtgt ttatgtytgt 1080
atattgaagc aatttgaatt tatttactgt atattttctg agtaaaagac tgaaatgaac 1140
tacttggttc agaaa 1155

<210> 523
<211> 529
<212> DNA
<213> Homo sapiens

<400> 523
agttctgctt tttcgtcctc taccagtctg attaattcgt aggcttaaca cttccttttt 60
ctttctcctt ggaatgcctc ttgggatatg cattagttgg tcttatgtct tttcttggtc 120
taggtggtgt gtgtgtttgg cttgtttggg gcacttttag aggctccagc tgcacatttc 180
cactcctctc tgtgtgttcc tctctgcatc tgctgtttgt gtgtgtacac tttttttctg 240
agcaatcttt ctccttagcc acattgagtt ctttaacagt ttttctgttt tcttcttcat 300
taagataatt aataatcata ctactcacat atcatgtttt agaacttcct aagcctttcc 360
ctttcccacc ttttggacct cctaactgaa tttcaaagtc ttcrttcctt agattaaaaa 420
aataaatcca aagataaaag aatgtaatgt cttataagtc gtatcagtgt atattttctc 480
tgttattgtt gttagtgtta taataaatcc taagtgacac aaaaaaaaa 529

<210> 524
<211> 1981
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 524
catgtttgac catggtaata tcttttacta cctggaccat ttaaatttcc taaatgngaa 60
aggtatatat attmctgtaa ctgtagaggg aaaagggaaa gtatttggtt ctaaaaaatg 120
ttagccttcc tcgtaaaagt agcacaagcc cacttatgaa tcactgagaa aaagtgaaaa 180
acttgagttg gcaaagatgc agagcagcag tgcagatggc aatgaactct ctgaattctc 240
ttttacctta tttagaagaa tgcagagtaa agggaccttc ttggttctgc aggaacttct 300
caagggatga ggagacagaa cccctacttc caagtgctct atttgtatta cccagatgac 360
tgaagcttaa gagaaggcag ggaagtatac aagcagagcc agttctggta caaacaaaga 420

atttgacagg gacaatggaa gggtcttctt caccactcct taccttctat gtgatggaaa 480
gactagagct tataaaagta cttccatttt tttattctcc tgaataccaa aggcaattaa 540
agtcagctac aaatgacttg ccagtgtcat gttttatttt tgttatagat ttttaaatta 600
tttccttcaa gatcagttct tatcccatat aatgcttagc ttccaagaat attctttact 660
ttcttctgtc ttttacagct ctttgcattt tgtagacctt aatactcagg ttaaatattc 720
attgcattta taagatcttc tgcaaaaagc ccagaaatgg tccttttcag gtgcctcttc 780
aaagagctga caccttacct tgtgcctttg gcaaartgtg cagaatagat acatcagttg 840
gtgcataatc gaaaaaaata ggaatttga acactgttct tccttctaca tttatttctc 900
ttcattttag aatcacactt tttatgttaa accagattat tattattatt attattcaac 960
cagtattaag ttgttaaaac caagggaatg gggccctaac caaaaagaag tctcaactca 1020
gaaaaataag tccccagtca ggtggttctt actttcttgt gggttgcaca ttttgtatct 1080
ctctaacatc agcgtattcc tgactttaag caggtgttta tatgtaaaat aaaacctggg 1140
tatcgaaggg aaatgcattc tttttatgga gtattgaccc tgatcctcta tgatgtcata 1200
tagagcaact cagggctata cttgctagat tttaaccaag cagtttgaaa tattaatcat 1260
catcctctca tcttctccas tctccattgc caaagtcttt gtcaaaactc caaatttgtt 1320
gataaaagat tgtgtttgcc attctcattt ataatgcagt ttctccttaa gcctggagtt 1380
ttttgaatga gtgcatgagt aaatgagaga atgtgtgaac gaacatttat gaagtatcta 1440
acatgtgcca agcattgtgc ctggcacttt caatcattag aatgttttat gtgattccac 1500
agcattttct gtatragagt agctcacaac attttaaatg tttccaatat gaatcgtgtt 1560
acaaaattct taatttata tttcatataa attaaagagg aaaaagaaaa ggtttataat 1620
atattttaaa acaatgtgtt actrtataat acaactataa ttgtagttaa taactaaaac 1680
ctcttgaaaa tgtcaaagaa atacttgatt tctgatgcaa ctttgactaa aatatttact 1740
ttagaaataa aaacgttctt attttgctat atcactttaa ttgcataatt aaaaagcagt 1800
gttttataga aatgctggtt attttatatt caaaaagatt ttgtcacata attcatgggt 1860
aaaacttgca gttgtaaatt gtgtctgctc tggtatgggc cctattaata gtcccatgct 1920
gttaaatata aagaaaaata tactaaaata ttcaaagttc caaaaaaaaa aaaaaaaaaa 1980
a 1981

<210> 525
<211> 1570
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1533)
<223> n equals a,t,g, or c

<400> 525
gcccacgcgt ccggcctcct gagtagctgg gactataggt gcccgccacc actcccggcc 60
aatatttgta ttttttgtgg agacggggtt ttgccatgtt ggccaggctg gtctcaaact 120
actgggctca agtgatccac cctcctcagc ctcccaaagt gctgagatta caggcatgag 180
tcactgcgtc cagcccaacc ctctcttttg atgtgaaagt atcacctttt gtacatttag 240
tccataccca atatctcttt gcctccttta gtgcaaagtt actcatcctt acttgtatct 300
aagagaatct ttcctacttt ctgagtgggc actagttttg gagtatatat attgtatgcc 360
atgaactata ttttttctgct tatggctttg cctcatttaa ttgccatagc acttacatgg 420
ggcaggtatt cattttcctg cttagcaaat aaggaaactg aatttcagag atgtcaggta 480
acctgcctac ttcacacact aggagttttg atgtttaatt ttgaactaag atctatctgg 540
cttgaaagct ctttgcatta aacaaccttg aacaatatac ttggaacgta ggtgtgtttt 600
tggcacagaa catggcatgt gtgtgaggga ttgaacacag acttgcccag attcaaactt 660
accaatcttc tgtttcatgt gcccagaaga aacagcctgt ttctcagcct caaacccaaa 720

cttctagttg tcttgattgg ttcagcctga ctgtccaact ctgatttata gctgtgattg 780
ggggagctga gattacacag tgtaggcagg cagaagggcc ccaggcctat tgatatgggt 840
gaggacaata ctcacgcact cccttcactt actcactctt ccaaggtctt ggcttgaacc 900
caatttttt tgagagaata aaccaggctt tttgttctcc acttggcctg actccatttc 960
tggcattcca gccatgtatt tagctgttat cagctttcag atttagasaa agccttgttt 1020
ccaataagct tgtttctctg aagtaattgt taaaatataa ttttcagaaa aaggttaaat 1080
catgactcat acaaatataa aaatgaacat gtgctaaaga tttttatttc actcatgtga 1140
tatgaagtaa ccagacagaa gttataacca gtacatatgg aaagtcaaaa agcacaaatt 1200
catatgtagt aaaggaattg gattgcaaat gaaggcaaaa ctgtttttyc tacagggtgg 1260
agggaagata atcaaaatgc tagaaccaga atttscatgc ctgtcactta gcttcaattt 1320
acaaaagccc agaataactc aaaggcaaat tctagccctg caaatatcag ccctaaagct 1380
gtgctgtggc cagtgcatag ttttctattg aagtacaatt ttttccccaa atacattatc 1440
tctcagaggg agtccaaatt gcttcccttt cactcagcag atctgttcag tcaacagatg 1500
ttaaatagct acagcgtatc aggcacaaat aanttcttta taaaataaag taacaaacta 1560
tatgttgttt 1570

<210> 526
<211> 1084
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<400> 526
caatttctag taggaagaga ataattacat ttgcnggggg gggtggataa aaacatgtct 60
gcttctcatt taaataagag agaaatgatg ccgtttttta aatgtgaagc agactataat 120
tctcagctct cttttcttct tagccttaaa ttaatattct ctttcttcta gttttggaaa 180
gtgtagtggg aatattcaga caaaagaggc cattttccat ttttaaagct tcttactggt 240
gaaacagccc agttgtagta ggtgccagtc agtcaaggca ggggcctctc tccgtcaata 300
tggaaaactc agcagttttc ctctccccca gttgtgttct tgtaacgttg ttaatgggtt 360
cctttgcttt ttgctttctc cttttctgaa aatgtatgtg ttttgcctct cttttggcta 420
catcttcaaa atatttcttt tgtgcctatg tacatgtgta aacatgccat agcatgtgtg 480
gtaggtgtcc tgtattttgt ttgggaaaaa aactatcaaa atgaggaaga gaatttcccc 540
tatttatgca ctaggtttct gtgctttttc tttgagttct ctggagtaga tattaatttg 600
ataccttcat ggtaatgaaa ttatgatgga gctgtgttat aaattcctta tgtcagaggc 660
cagtgcggta gcctttgtcc cttcatgcct ttcaattctg agtgggagga aaagcaaaca 720
tcaaaacagt gcttcagcca aattccatat gtaatgccat tgggagagta ttgactaaaa 780
tatcattcgt cagggaaata tagttgtaat atttttacag gatattccta ggtaaatgaa 840
ggagccttca gttgtaaatt tcaattaccc caaaatgtat ttgctacatt ttgttgtttg 900
aagtattacc tcttaacctt ctttgttaat ttttttcatt ttgtcttata tagtccagtt 960
ttccaagata agctcagtcc tttttcaaat gtcmcctttt taccaatact ttttcattaa 1020
attatgaaaa ctgctaaaaa aaaaaaaaaa acaaaaacca agtacctgcc cgggcggacg 1080
ctcg 1084

<210> 527
<211> 1506
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1502)
<223> n equals a,t,g, or c

<400> 527
tatagaaggt agcctgcagg taccggttcc gaattcccgg gtcgacccac gcgtccgact 60
aaaggcagca agggattgta aactaatctt acatagtcaa tgtttcatag aatgctttgg 120
ttacaatcag gttttttaaa gactttaaag gttttttgta tgctataata tatgcttatg 180
atttctaaaa attatgcagt atacacaaag ggcataaagt caaaaagtgt gtctccctct 240
gtgactttat tctcataccc cagaggtata taatttcttg tattcttgtg tagtctttaa 300
gaaatgttat cgtttatttt atatatggct ctctctctgt atgcctcttc ctgttcttat 360
tttaaatgtt caagtttgtg acttggttct tgtttaactt ggttgtcttt ccatattgcc 420
accttccagc tctaacatta atgtctccag gattccatta tatggatgtc cctttggaga 480
acatttgttt atagactttt ctactaaaaa tattgttata atgataatat ccttatgcat 540
atatgaagat tactcttgat tctgcctgac tggaaacttt attaataaag tagacattat 600
tctattttga ggctcaccag ctgtgtaggt atgatcttgt gcttccattt aagaaattct 660
tccatttaaa gaagaaaaaa aatctctcta attgactatc tgaagatata tgaaaaagcc 720
tatgctttta aattaaactg ttaagacagt ccattgaaag attgtggaag ttcacatcta 780
ttttgcacct taatttttc attgtcccta ctcatgactc taaaaagtgc atggcttggg 840
gctatacttt gttttgcagt ttgttggtat cgtgcctttc cttatctaca ttagcttaga 900
ctatacctta tttttaagaa gagaaagtgg aaattaactg tggcaaaacc tattttggca 960
caaccacatt tgttcattat acaaaattag cttcctatgc tttagaaaaa atgtgagtta 1020
ttactctgaa agttgtgatt ctgattcctc atggtttgga gctcagaaat ttcttaacat 1080
gtctttgctg ttagtcaagc acaggatttg ttttctgcaa aagtttattt tcaatgaaga 1140
atacttgtcc taatagctca taaaaagtac ctttgcactt taaatcctag gaatagggaa 1200
caaggaaact tactgggaag ttcaaaagaa agaataacag gaccttctag tcagcagggc 1260
atgtttggaa aatgttaata cgccatgatt tttgaagacc aattttagtt caggaggtgg 1320
ttttaaatat tggatgaaaa cttacaggct gttttcaata ttcatttctg aaatacttta 1380
gtatgataga taaatttggt taagttcttg ttcattgtga aatactgttg gaagaatttt 1440
tttcaaaata aagacttctg aatttgtgta ccaaaaaaaa aaaaaaaacc ncgggggggg 1500
gncccg 1506

<210> 528
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 528
ctgcactaca cacgtgttgg tacctattag caaactgcgc tgctctaacc tgccacctat 60
ccctttgccc caacacaact acggttgcca ccgtgcccac aacaattcca actgtaacac 120
tggtaattgc gtactctgcc acaaatagcc cttgcgggag caccagcatg ctgggcctgc 180
ttgcgttgcc gtctatgtcc acatatatgg cggcgagcgc ctacacaaca nctcttttaa 240
ccttcacgtt ggtgggtaca ttaaacttgg ccatcgtacg cttactcagc agcaacagac 300
ttacctgcaa caacntccan t 321

<210> 529
<211> 814
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<400> 529
gtgggattgc aggcacccac catcatgccc tgctaaattt tgtacttttg tagagatgga 60
gtttcaccat gttggtcagg ctggtcttga actgctgacc tcaggtgatc tgcccacctt 120
ggcctcccaa agtgctggga ttacaggtgt gagccaccat gcctggactc nttgttgttg 180
ttgtttttaa ttagtgagga gctacaagaa cacatttata aaaattaaga ggaaacagcc 240
ccactgcatt tgagaaggtt accatttcct tcgaagttcc tgctgttgcc ccttcctggt 300
gggggagaca ctgtcctgtt tcagtcattc cgttgctttg ctttatagtt ttattaatgt 360
gtttgtgttg gctttgcatg ttttcaaata tatgaatgaa atcatgcaga gtttattctt 420
ttacagtttg ccttttcact tgattatgtt cctgagatgt atccggatta ttgtgtgtag 480
ctgtatggca ttccttttcc ctgctgccta gtgatccatt gaaaatacaa taattgattt 540
ttctatgtgg ttccactggt cattttctg ccctgtgcc ctttgggaat catctcctaa 600
actctagtct cggcccttgc tcttccatgt aaccttgaga atcagcttgt caaattcccc 660
ccaaaaaccc cttgagatgt agaatgkaac ccagctgaat ctatagrtca gtctggataa 720
aatcagcacc tgtgtaaaat tgaattttcc cattcatgag cagggtttat ttctgcactc 780
aatgttttca ataaagttgt gtacctttc ccat 814

<210> 530
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<400> 530
ggactgagct cggcgcctct agtgtagatg ggtttttaat tttcccagct gaacgtcgtt 60
atttggattg tgatttcttt ggtgwttcaa tggactgtag atgaaggagg acctgttttc 120
tctcaggagt gtctgtgggg tctcttgtcc tggtttgctc agtgaagtgt ggccccaagg 180
gctgagggag gtggccagga ccccgcaggg tggcccccac cacagaggct gctgtcctac 240
gggttcttct ccantttctg ggaccttgcc gangagcctc tgggagggng aaatggccac 300
aggcctggag aatcgacacc cggtgg 326

<210> 531
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<400> 531
gggcctggtg ggcccgctgc tggtgtgcag ggctggtgcc ttgggtgcag atggcaagca 60
gaaaggggtg gataaagaat tctttcttct cttcactgtg ttggatgaga acaagagctg 120
gtacagcaat gccaatcaag cagctgctat gttggatttc cgactgcttt cagaggatat 180
tgagggcttc caagactcca atcggatgca tgccattaat gggtttctgt tctctaacct 240
gcccaggctg gacatgtgca agggtgacac agtggcctgg cacctgctcg gcctgggcac 300
agagactgat gtgcatggag tcatgttcca gggcaacact gtgcagcttc agggcatgag 360

gaagggtgca gctatgctct ttcctcatac ctttgtcatg gccatcatgc agcctgacaa 420
ccttgggaca tttgagattt attgccaggc aggcaagcca tcgagaacan ggatgaaggc 480
aatctataat ggctccaatg ncctgggcac caagccaccc ntggcaacgc ttccaacttg 540
caagaatcta ctatttcatg gcan 564

<210> 532
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (616)
<223> n equals a,t,g, or c

<400> 532
gttccaggaa ccagcaaaca agaggctgct cccgcaggag gcagtgtgaa tggagaaaga 60
aggctgcagt aggggctgct gctggactcg gtggggagca ggtgcaagga gctctggctc 120
ccccatggac ctgagctgga gagcagagng cagctccagc ccattcctca ttcttccagg 180
gcacagtcct caggatgttt cggggagaat aggagccaga acctgagccc ctaagccatt 240
cccctcacca atgatggggt ccccagtgag tcatctgctg gccggcttct gtgtgtgggt 300
cgtcttgggc tgggtagggg gctcagtccc aacctgggcc ctgctgagca ggagcagaac 360
cattacctgg cccagctgtt tggcctgtac ggcgagaatg ggacgctgac tgcaggggc 420
ttggcgcggc ttctccacag cctggggcta ggccgagttc aggggcttcg cctgggacag 480
catgggcctc tgactggacg ggctgcatcc ccagctgcag acaattccac acacaggcca 540
cagaaccctg agctgagtgt ggatgtctgg gcagggatgc ctctgggtcc ctcagggtgg 600
ggtgacctgg aanaan 616

<210> 533
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (644)
<223> n equals a,t,g, or c

<400> 533
ggccagcatg gatcctgaca gtgatcaacc tctgaacagc ctcgatgtca aacccctgcg 60
caaaccccgt atccccatca tcatagcact actgagcctg gcgagtatca tcattgtggt 120

tgtcctcatc aaggtgattc tggataaata ctacttcctc tgcgggcagc ctctccactt 180
catcccgagg aagcagctgt gtgacggaga gctggactgt cccttggggg aggacgagga 240
gcactgtgtc aagagcttcc ccgaagggcc tgyagtggca gtccgsctct ccaaggaccg 300
atccacactg caggtgctgg actcggccac agggaactgg ttctctgcct gtttcgacaa 360
cttcacagaa gctctcgctg agacagcctg taggcagatg ggctacagca gcaaacccac 420
tttcagagct gtggagattg gcccagacca ggatctggat gttgttgaaa tcacagaaaa 480
cagccaggag cttcgcatgc ggaactcaag tgggccctgt ctctcaggct ccctggtctc 540
cctgcactgt cttgcctgtg ggaagagcct gaagaccccc cgtgtggtgk ktggggagga 600
ggcytctgtg gattcttggc cttggcargt cagcatccag tacnacaaa 649

<210> 534
<211> 723
<212> DNA
<213> Homo sapiens

<400> 534
tcctctaaca cattcagact acaagtccag acccaggaga gcaaggccca gaaagagctg 60
gaaaggcagc tcatcatgca gagtgaaatg agggaaagac aaatggccat gcagattgcg 120
tggtctcggg aattcctcaa atattttgga acttttttg gccttgcagc catctcttta 180
acagctggag cgattaaaaa aaagaagcca gccttcctgg tcccgattgt tccattaagc 240
tttatcctca cctaccagta tgacttgggc tatggaaccc ttttagaaag aatgaaaggt 300
gaagctgagg acatactgga aacagaaaag agtaaattgc agctgccaag aggaatgatc 360
acttttgaaa gcattgaaaa agccagaaag gaacagagta gattcttcat agacaaatga 420
aatcatgctt accaatcaaa tctcaaagca cagaattatt gacttgaatc atggttttta 480
cagtttttta aatgctcaag attttgatat tatagatttt attttaaaat attaaaatgc 540
aagatagttt tgagctattt taaaataaaa tttataacat tcaacacaaa atcatggagg 600
tgctctaaat aacttttaga tttcctctct ctgtgtgcat taccaatatc taagtgtaaa 660
attaataaat tgttttgaat tcctggaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaa 723

<210> 535
<211> 796
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (742)
<223> n equals a,t,g, or c

<400> 535
gattggaagg cgtgtttccg gctggactga aatcctgtga ggaagattcg cgccctcccc 60
gccccctgcc ctccctggga atcctctgaa gatgcggccc cctgtccttc gtgaacccgg 120
agccccggcc tcggccccgg cccagcccct tccgggggcc gacccgggct gggacttcgg 180
gggtcctagc ctgagcccgc tgcgggagaa caggcccggc cgctgtgggg aggggccgcg 240
cgctatcctc gccgggggcg ctgggaggcg aacacgtgcc cgccgcccca gccctgcgcg 300
aacttcgtcg cgccartctt ccggcaaagg gtctcttttt tttagtttag gtaaaataaa 360
atctcccaga gaaaacaaag ccgggaaggg agcccccttt ctgtgaaacg catgccatct 420
tctccatttg tcagtttgat gctgtaacgt acatggggtt ttgcaagagc ttcaaaactg 480
tctgcagacg tcaatttcgc ccctcccctt gtgagaactc gctacgtarc cagcaactgt 540
gtagtgctac aaatgatgaa aacgatcaga aatgcgatta ggtgtcgggg aaaaaagggt 600

ttcccctgkt tttaacttgk atttttactt taattgttac aatcttgata ttcttaacgt 660
gacttttttg ggaaaccacc aagtgctttt taagcaagga gttactggta tttatgccct 720
taatattcct tcattatagg cntattgaat acgttaatat ctcagtaagt gtatttgaat 780
tataattgac tggctt 796

<210> 536
<211> 1135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1129)
<223> n equals a,t,g, or c

<400> 536
cggacggtgg gncgncgaca caatgggcca yggagttccc gttcgatgtg gacgcgctgt 60
tcccggagcg gatcacggtg ctggaccagc acctgaggcc cccagcccgc cgacccggaa 120
ccacaacgcc ggcccgtgtt gatctacagc agcaaattat gaccattata gatgaactgg 180
gcaaggcttc tgccaaggcc cagaatcttt ccgctcctat cactagtgca tcaaggatgc 240
agagtaaccg ccatgttgtt tatattctca aagacagttc agcccgaccg gctggaaaag 300
gagccattat tggtttcatc aaagttggat acaagaagct ctttgtactg gatgatcgtg 360
aggctcataa tgaggtagaa ccactttgca tcctggactt ttacatccat gagtctgtgc 420
aacgccatgg ccatgggcga gaactcttcc agtatatgtt gcagaaggag cgagtggaac 480
cgcaccaact ggcaattgac cgaccctcac agaagctgct gaaattcctg aataagcact 540
acaatctgga gaccacagtc ccacaggtga acaactttgt gatctttgaa ggcttctttg 600
cccatcaaca tcggcccccc gctccctctc tgagggcaac tcgacactct cgtgctgctg 660
cagtcgatcc cacgcccgct gctccagcaa ggaagctgcc acccaagaga gcagagggag 720
acatyaagcc atactcctct agtgaccgrk aatttctgaa ggtagctgtg gagcctcctt 780
ggcccctaaa cagggccccc cgccgcgcca cacctccagc ccacccaccc ccccgctcca 840
gcagcctggg aaactcacca gaacgaggtc ccctccgccc ctttgtgcca gagcaggagc 900

tgctgcgttc cttgcgcctc tgcccccac accctaccgc ccgccttctg ttggctgctg 960
accctggggg cagcccagct caacgtcgtc gcaccagctc ccttccccgc tctgaggaga 1020
gtcgatactt aacagcttac ccttctccct gccctggggg agacctgggg gtggggcagg 1080
ggaacccctt ttcttgagga acctttnagg acccattttt ttncatttng cattc 1135

<210> 537
<211> 1234
<212> DNA
<213> Homo sapiens

<400> 537
gactagttct agatcgcgag cggccccctt ttttttttt ttttttttt tgttttttgg 60
ctctttcaaa ggtaatggcc catcgatgag catttttaac atactccata gtcttttcct 120
gtggtgttag gtctttattt ttatttttt cctgggggct ggggtggggg tttgtcatgg 180
gggaactgcc ctttaaattt taagtgacac tacagaaaaa cacaaaaagg tgatgggttg 240
tgttatgctt gtattgaatg ctgtcttgac atctcttgcc ttgtcctccg gtatgttcta 300
aagctgtgtc tgagatctgg atctgcccat cactttggct agtgacaggg ctaattaatt 360
tgctttatac attttctttt actttccttt tttcctttct ggaggcatca catgctggtg 420
ctgtgtcttt atgaatgttt taaccatttt catggtggaa gaattttata tttatgcagt 480
tgtacaattt tatttttttc tgcaagaaaa agtgtaatgt atgaaataaa ccaaagtcac 540
ttgtttgaaa ataaatcttt attttgaact ttataaaaag caatgcagta ccccatagac 600
tggtgttaaa tgttgtctac agtgcaaaat ccatgttcta acatatgtaa taattgccag 660
gagtacagtg ctcttgttga tcttgtattc agtcaggtta aaacaacgga caataaaaga 720
atgaacacat tcctcgtgtg tgattcactc ttgtctaaat gtcccaacct gtgacttctt 780
tactttccac accactaatt atccaagatc ttgaagaagt attgaacctc taataggcca 840
tcctctggca gatcagtaca gtgaacagca ttctggatct tagttttacc aaagattgct 900
ctgagagttc cagggcgtaa atgccgggca atttcaggat cagcaggtcc acaaaattct 960
cgaaatgtct ttgtagcatt attctgttga atctccattg ctacacaagg gccagaatac 1020
atttctgtca ccatgtcatg atattcggtc actactcctt tataaacttc atagaattcc 1080
tcaacattaa cccgatccat attgaacatc tgcatagctg agatttcaaa acctgcatct 1140
cggatagcca tcaggatctt tcccaacagt ccttcactga cagcatgggg tttaacaatg 1200
caacaggtac aattagtaaa tttagcagtg tttc 1234

<210> 538
<211> 1539
<212> DNA
<213> Homo sapiens

<400> 538
gcaaaatgtg attatgtttg ttggattgca agggagtggy maaacaacaa catgttcaaa 60
gctagcatat tattaccaga ggaaaggttg gaagacctgt ttaatatgtg cagacacatt 120
cagagcaggg gcttttgacc aactaaaaca gaatgctacc aaagcaagaa ttccatttta 180
tggaagctat acagaaatgg atcctgtcat cattgcttct gaaggagtag agaaatttaa 240
aaatgaaaat tttgaaatta ttattgttga tacaagtggc cgccacaaac aagaagactc 300
tttgtttgaa gaaatgcttc aagttgctaa tgctatacaa cctgataaca ttgtttatgt 360
gatggatgcc tccattgggc aggcttgtga agcccaggct aaggctttta aagataaagt 420
agatgtagcc tcagtaatag tgacaaaact tgatggccat gcaaaaggag gtggtgcact 480
cagtgcagtc gctgccacaa aaagtccgat tattttcatt ggtacagggg aacatataga 540
tgactttgaa cctttcaaaa cacagccttt tattagcaaa cttcttggta tgggcgacat 600
tgaaggactg atagataaag tcaacgagtt gaagttggat gacaatgaag cacttataga 660
gaagttgaaa catggtcagt ttacgttgcg agacatgtat gagcaatttc aaaatatcat 720

gaaaatgggc cccttcagtc agatcttggg gatgatccct ggttttggga cagattttat 780
gagcaaagga aatgaacagg agtcaatggc aaggctaaag aaattaatga caataatgga 840
tagtatgaat gatcaagaac tagacagtac ggatggtgcc aaagttttta gtaaacaacc 900
aggaagaatc caaagagtag caagaggatc gggtgtatca acaagagatg ttcaagaact 960
tttgacacaa tataccaagt ttgcacagat ggtaaaaaag atgggaggta tcaaaggact 1020
tttcaaaggt ggcgacatgt ctaagaatgt gagccagtca cagatggcaa aattgaacca 1080
acaaatggcc aaaatgatgg atcctagggt tcttcatcac atgggtggta tggcaggact 1140
tcagtcaatg atgaggcagt ttcaacaggg tgctgctggc aacatgaaag gcatgatggg 1200
attcaataat atgtaaagaa aatgccttaa tataaactga ctcagttgaa tacctaattt 1260
gctgagacct cagcgtttcc cttctttttg cgaattgggg agaaagtgta tttttcttgc 1320
ttatcatgca ctctttcctt ttttctcgc ccgcttttcc cctccttttc ttttttccttc 1380
cttctttcct ccctttaata taagggagaa atacatggtt tttgtggaaa tcattatatg 1440
tttgctttag attttcttct gttttcacca tcataacact taagttaaat catgatgtaa 1500
aattttagta cctcggccgc gaccacgcta agccgaatt 1539

<210> 539
<211> 788
<212> DNA
<213> Homo sapiens

<400> 539
gagtctcata tccttgtact tcagtttttt tgtgtgtgaa tactatccct ataccactac 60
ccctaaaacc tcagaattat ttgctttatt ttttcataca acttggggaa gggaaccatg 120
ggagtatgca catgggatca taatccattc tgtggtttgg aaaaagaaaa tgttaacctc 180
tgctttagag ggtagctact agctttgttg gggataaaag tgtaatacat gcacttttga 240
actctgaaag tttgccaatc tgaaaagggg tgtttctgaa gaccactatc ttttacgaac 300
acttaaaaat aagtgtttgc agttgtgtat gggcacgata ctgtattctt tacattttta 360
tggccctaca gctacttctt atccctgcaa gtatataaat taaaaccaag tcactttaga 420
acagctttga aactagagtt tcaaaggtaa aaggatctca tgtttctgaa tctgcgtaaa 480
gcaagatggc tgtgatttga caggtttaat tgctagkttt tataggtgga tagaaatgaa 540
tagtttggag tctttaaaat gttttaaaaa atgtttgctt actatctata tatatgacat 600
tattcccaat tagttttata tctccaagat atatatatgt atataggtat atacacatat 660
gtatatatac atagtctata tattctatat aagaatatat tccaataaga atatattcca 720
tacgggaata tattagtcat tgatgtattt tgccggtaaa attaaaagat attttaacaa 780
aaaaaaaa 788

<210> 540
<211> 874
<212> DNA
<213> Homo sapiens

<400> 540
ccacgcgtcc gcggacgcgt gggcggacgc gtgggaaaaa agctgcgagg aaattgactt 60
agacaaacac aagagcatcc aaagaaagaa aacagaggtg gaaatagaaa ccgtacatgt 120
cagtacagaa aagcttaaga atcgaaagga gaaaaaaagc cgagatgtag tctctaagaa 180
agaggaacgt aagcgtacaa aaaagaaaaa ggaacaaggc caagaaagga cagaggagga 240
aatgctttgg gaccagtcta ttcttggatt ttgaagcttt caaagttggt tctcccaaag 300
ttaaattgaa aaaataggtg agagcttggt tttatgatat ccgtgttcat accacttttc 360
ttatgtgaat aggttcttta acttctaaca aaggcctagt aaacaaagtg tttagcatgc 420
ttgctctcca acacagaaat tgcttttcct cattttctaa aagcattatt acatttttg 480
aacatatagt gtaatttcct ttaatgaaag tgactctgct tttattcatc aaattgcttt 540

gatggtggaa atattttctg ttgggaggtt atttatttta aattggagga ttaatgacct 600
ttgcacaatc tgtttcttga ttgggtttgt tatagttttg agttgggtat tttatgttca 660
ttggtttttc tctgtgaagc aatttttttc tcctttatta gatctaactt gcagtgtatt 720
ttctaggctg gaaagtggaa aatgaaatat attatratct taggttacat aaagtttcta 780
aagtttcaaa gagtcttgat acaaaatcag tttatattct gaaaatattt ataataaagt 840
attctaattt ctaaaaaaaa aaaaaaaaaa aaaa 874

<210> 541
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<400> 541
tggcggcttc cttcacccgc aacccgagag acgacccncc gggcccgccc cgcggaagcc 60
gccggttgcc aggccaagga gtggactagg gtcgccgggg aagcggtttg ggagagccca 120
tggtgactgc gtgagtggag cccagctgtg tggatgcccc agcatggatg actacatggt 180
cctgagaatg attggggagg gctcsttcgg cagagctctt ttggttcarc atgaaagcag 240
taatcagatg tttgccatga aagaaataag gcttcccaag tctttctcta atacacagaa 300
ttctaggaag gaggctgttc ttttagccaa aatgaaacac cctaatattg ktgccttcaa 360
agaatcattt gaagctgmag gacacttgta tattgtgatg gaatactgtg atggasggga 420
tctaatgcaa aagattaaac agcagaaaag gaaagttatt tcctgaagac atgatactta 480
atggtttacc caaatgtgcc ttggagtwaa atcacattya cawgaaacgt gtgctnccca 540
agagatttt 549

<210> 542
<211> 467
<212> DNA
<213> Homo sapiens

<400> 542
ggccagccct ggggcgcctt aaaaaccgga gctggcgctt ggcakcgcca ctctgggcag 60
gatccaacgt cgctccagct gctcttgacg actccacaga taccccgaag ccatggcaag 120
caagggcttg caggacctga agcaacaggt ggaggggacc gcccaggaag ccgccatgga 180
ccagctggcc aagaccaccc aggaaaccat cgacaagact gctaaccagg cctctgacac 240
cttctctggg atygggaaaa aattcggcct cctgaaatga cagcagggag acttgggtcg 300
gcctcctgaa atgayagcag ggagacttgg gtgacccccc ttccaggcgc catctagcac 360
agcctggccc tgatctccgg gcagccacca cctcctcggt ctgccccctc attaaaattc 420
acgttcccaa aaaaaaaaaa aaaaaaaaaa aaaaaaagtc gtatcga 467

<210> 543
<211> 1211

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1194)
<223> n equals a,t,g, or c

<400> 543
gtgaaaaaag acactctgac agaagaggag actcagtttt atatagcaga aacagtatta 60
gccatagact ctattcacca acttggattc atccacagag acatcaaacc agacaacctt 120
cttttggaca gcaagggcca tgtgaaactt tctgactttg gtctttgcac aggactgaaa 180
aaagcacata ggacagaatt ttataggaat ctgaaccaca gcctccccag tgatttcact 240
ttccagaaca tgaattccaa aaggaaagca gaaacctgga aaagaaatag acgtcagcta 300
gccttctcca cagtaggcac tcctgactac attgctcctg aggtgttcat gcagaccggg 360
tacaacaagc tctgtgattg gtggtcgctt ggggtgatca tgtatgagat gctcatcggc 420
tacccacctt tctgttytga gacccctcaa gagacatata agaaggtgat gaactggaaa 480
gaaactttga cttttcctcc agaagttccc atctctgaga aagccaagga tctaattttg 540
aggttctgct gtgaatggga acatagaatt ggagctcctg gagttgagga aataaaaagt 600
aactcttttt ttgaaggcgt tgactgggaa catatcagag agagacctgc tgcaatatct 660
attgaaatca aaagcmttga tgatacctca aacttcgatg agtttccaga atctgatatt 720
cttaagccaa cagatgcctt cctgggggat actcctcccc accctaaagg gtcgcctgca 780
acttaggcgg attgggtctc tctgctgtgg cgttctctct tgagagaccc tctgaatttt 840
agcacaaagt gccttctgtt tcacagctgc caccaccttt agaggaattt cgtcagaaaa 900
atgtggaggc tccatattaa tgcattattt tttaaaaagt tttgataact cttaaagcat 960
catttgcacc tatgtgggaa ctttgcctgt tgcaaagtat tgtggccgag ctgcagctgg 1020
gagcctgctt tctgccagtc ttgaggttct gaagatcagc tttgaaagga aagtatgtcc 1080
tagcttagcc attcagaaga gaaaaatggr atatcagagt tacagttgtc agtgaaacta 1140
ctttggattt taaccnctag aggangaaaa aggttaggrg gcactctgtn agnntgggtt 1200
gcttagctta t 1211

<210> 544
<211> 1463
<212> DNA
<213> Homo sapiens

<400> 544
tttcgagctc tgcaccgagg agctgccctg gacttgagtc ccttgcatcg gagtccccat 60
ccctcccgcc aagccatatt ctgttggatg agcttcagtg cctaccagac agcctttatc 120
tgccttgggc tcctggtgca gcagatcatc ttcttcctgg gaaccacggc cctggccttc 180
ctggtgctca tgcctgtgct ccatggcagg aacctcctgc tcttccgttc cctggagtcc 240
tcgtggccct tctggctgac tttggccctg gctgtgatcc tgcagaacat ggcagcccat 300
tgggtcttcc tggagactca tgatggacac ccacagctga ccaaccggcg agtgctctat 360
gcagccacct ttcttctctt ccccctcaat gtgctggtgg gtgccatggt ggccacctgg 420
cgagtgctcc tctctgccct ctacaacgcc atccaccttg gccagatgga cctcagcctg 480
ctgccaccga gagccgcact ctcgaccccg gctactacac gtaccgaaac ttcttgaaga 540
ttgaagtcag ccagtcgcat ccagccatga cagccttctg ctccctgctc ctgcaagcgc 600
agagcctcct acccaggacc atggcagccc cccaggacag cctcagacca ggggaggaag 660
acgaagggat gcagctgcta cagacaaagg actccatggc caagggagct aggcccgggg 720
ccagccgcgg cagggctcgc tggggtctgg cctacacgct gctgcacaac ccaaccctgc 780
aggtcttccg caagacggcc ctgttgggtg ccaatggtgc ccagccctga gggcagggaa 840
ggtcaaccca cctgcccatc tgtgctgagg catgttcctg cctaccatcc tcctccctcc 900
ccggctctcc tcccagcatc acaccagcca tgcagccagc aggtcctccg gatcacygtg 960
gttkggtgga ggtctgtctg cactgggagc ctcaggaggg ctctgctcca cccacttggc 1020
tatgggagag ccagcagggg ttctggagaa aaaaactggt gggttagggc cttggtccag 1080
gagccagttg agccagggca gccacatcca ggcgtctccc taccctggct ctgccatcag 1140
ccttgaaggg cctcgatgaa gccttctctg gaaccactcc agcccagctc cacctcagcc 1200
ttggccttca cgctgtggaa gcagccaagg cacttcctca ccccctcagc gccacggacc 1260
tctctgggga gtggccggaa agctcccggg cctctggcct gcagggcagc ccaagtcatg 1320
actcagacca ggtcccacac tgagctgccc acactcgaga gccagatatt tttgtagttt 1380
ttatgccttt ggctattatg aaagaggtta gtgtgttccc tgcaataaac ttgttcctga 1440
gaaaaaaaaa aaaaaaaaaa aaa 1463

<210> 545
<211> 536
<212> DNA
<213> Homo sapiens

<400> 545
acccctgcag gtaccggtcc ggaattcccg ggtcgaccca cgcgtccgcc cattttccg 60
gttgataatg caatagataa tgkraaagaa attcaagttg cattgyytat cttaatggca 120
gcttatgcaa tggcggaagc gtttatgtca acaggagttg gagcttctct tatcctaatt 180
gcattaaaag taggaattac tgctaaaact gttgcagtta taggagctat tgtcacatca 240
atattatcaa tagcaactgg gacaagttgg ggaacatttg cagcctgtgc acctattttt 300
ttatggctaa atcatatagt tggcggaaat attttattga caacagcagc tattgcagga 360
ggagcatgtt ttggagataa tataggactt atttcagata ctacaatagt aagttctggt 420
atccaaaaag ttgaagttgt aagaagaatt agacaccaag gtgtatggtc agcattagtt 480
ttattatcag gaataatagt atttgctatt gttggattta catggattta cccttc 536

<210> 546
<211> 588
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<400> 546
ttttttttta atttccatat gggctaaaga atccaaatat tttaaaaatc tgtctctctt 60
ttcttctctc ataaagtgaa ttattccttt tttttgtttt atgtaagtgt atatattctt 120
agtttttctt gaaatcattg taatgttaac tttgttgttt caaatatctt ggtgattgct 180
tcattatctc ttcaacaaaa aaaaccttta attttgccat tgaaactgta gaactatgcc 240
atgcttttat tagaagcagt gctctgtgtt aacaacaaga atggtgtaat tagaattggg 300
atgtggatat ttactgtatg acaacacatt tacagttctg taatgcaagg atgcagttta 360
aaaatgtgaa gtagtgatgg tttttgaaat aagctttaaa atatagggat cttgaaggct 420
ccctggggta actattttat aacttagata aaatggctag tcatatctgt gtgtttgtaa 480
agttattttt ttaatatttt aagrttacaa ttttaacaat gtagraatga gccaaacttt 540
taaattkaaa acagtaarac aaatggaaac cnatagntca caaantcc 588

<210> 547
<211> 1585
<212> DNA
<213> Homo sapiens

<400> 547
ttttttttt ttttttatg agcaggagat cttaattgac agaaactcat tggtggttgg 60
agtggccaat ggcacgggaa aaagtatcca gtaatcagaa gaattgtatc tgggttatgt 120
aatcttatgc acattccatt gtctttgcca agcccagaag ccatgttgtg ttcattgtta 180
agaaatttga tagatttacc cagcttttct atgtattttg acttattgaa aatatgtaac 240
aactgagtcg ggttgcagca ctggtggggt agaatcgact ttccctgaag gtgacacaga 300
tgtcagaatt gtgtccaggg atttaattta gacccatact gtccaggaga ctgtctctas 360
ytggatctct gtgctgactg actgacagac agactttagt gtctgtgtgc tgactgacag 420
actctagtag tgtctatatg ttgaccaact ggtagaccag gaggatctgt gtgctgattg 480
actctagtag gatctgtttg tcactgacag actgtagtag tgtctgtgtg ctgactgata 540
gatagactat agtaaaattt gggtgttgcc tgactaacgg tctagggtct gtaagctgac 600
agtctgcctg ctttctgatt gtatccattg aagtgtatgt acattatggt aattctctgt 660
ctattaaatg tgtctaacaa aggaaggaat taagcactcc acrtgttttc tttatagggg 720
agttctgtac actatgattt taaatagata tttcttatat agtagtggcc aaattctcat 780
tattttgtac aagataaagg ttatgcatca cttttatggt attttgtgaa ctcagctaag 840
ggaatgcctg ttcagagcct ggagttgtta cctttacttg aagtcatctc atccagtccc 900
ctgctttagg gcaggacttc agttccactg ttcatttctg aagcttctgt gtccccagct 960

taccctgttc tgraatgttg tattccattg gacagggctg ctatttttag tcagccatgc 1020
atttggattt tacrcttaat ctagtaagta aaaatgagaa gaaaatttgg catttaaaaa 1080
ttgattttaa gggttggcaa aagtattttt tccagtaagc ctttcactgg atatctgtga 1140
ccaatgttta cctacgcaat gtttttgtat ctgaattgct tatgtacgtt ttttattata 1200
ttgacctaac aagaagatca acttatgctg gtatggtgat ggttttgcta tggcaaaatc 1260
aaagggctga tcatacatgg tgccctttgg gaaaggggat ggtgtggggc tgagcacctc 1320
tgggttgaat gggaatgggt cagattggga agcctaggaa gagagttcta ctgtagattt 1380
cctaggcact gctctgttga aataggaaca taagtcttta gcaacattct gatttaatcg 1440
ggtgacactg ataacaaagt atgccactca gatccattta aagtgtgcat aactgtattt 1500
gaaatgtgtt tttgtgtgcg tgtgtgtaga atgggtaaat aaaattgttg agtaacttga 1560
acctaaaaaa aaaaaaaaaa aaaaa 1585

<210> 548
<211> 1279
<212> DNA
<213> Homo sapiens

<400> 548
aggtatccag gccagctggg aaggacatga tgaggaaatt ggaaaaacat atgactgcak 60
agaagggccc catgattgtg ttggtattgg acgagatgga tcaactggac agcaaakgcc 120
aggatgtatt gtacacgcta tttgaatggc catggctaag caattctcac ttggtgctga 180
ttggtattgc taataccctg gatctcacag atagaattct acctaggctt caagctagag 240
aaaaatgtaa gccacagctg ttgaacttcc caccttatac cagaaatcag atagtcacta 300
ttttgcaaga tcgacttaat caggtatcta gagatcaggt tctggacaat gctgcagttc 360
aattctgtgc ccgcaaagtc tctgctgttt caggagatgt tcgcaaagca ctggatgttt 420
gcaggagagc tattgaaatt gtagagtcag atgtcaaaag ccagactatt ctcaaaccac 480
tgtctgaatg taaatcacct tctgagcctc tgattcccaa gagggttggt cttattcaca 540
tatcccaagt catctcagaa gttgatggta acaggatgac cttgagccaa gaaggagcac 600
aagattcctt ccctcttcag cagaagatct tggtttgctc tttgatgctc ttgatcaggc 660
agttgaaaat caaagaggtc actctgggga agttatatga agcctacagt aaagtctgtc 720
gcaaacagca ggtggcggct gtggaccagt cagagtgttt gtcactttca gggctcttgg 780
aagccagggg cattttagga ttaaagagaa acaaggaaac ccgtttgaca aaggtgtttt 840
tcaagattga agagaaagaa atagaacatg ctctgaaaga taaagcttta attggaaata 900
tcttagctac tggattgcct taaattcttc tcttacaccc cacccgaaag tattcagctg 960
gcatttagag agctacagtc ttcattttag tgctttacac attcgggcct gaaaacaaat 1020
atgacctttt ttacttgaag ccaatgaatt ttaatctata gattctttaa tattagcaca 1080
gaataatatc tttgggtctt actatttta cccataaaag tgaccaggta gacccttttt 1140
aattacattc actacttcta ccacttgtgt atctctagcc aatgtgcttg caagtgtaca 1200
gatctgtgta gaggaatgtg tgtatattta cctcttcgtt tgctcaaaca tgagtgggta 1260
ttttttgtt tgttttaaa 1279

<210> 549
<211> 1389
<212> DNA
<213> Homo sapiens

<400> 549
ggaatgttag atcaccttaa caagaaggag ctccggggcc aactcaagat ggtggacagc 60
tttcacaggg tgagtctaca ttatgggatt atgtgcctga aacggctcaa ctatgaccgg 120
aaggacctgg agcggaggcg ggaagaaagt cagacccaga tccgagatcc ccacgcagaa 180
tgcacaggtg agctgccgct gggcccggag catgctgggc gtccccacct cgcagactgc 240

acgctccaac cgcccsctcc acctmctctt tccaggcccg gcagcttctg gagaaggaat 300
tcagcaacct tatctcctta ggcacagaca ggcggctgga cgaggacagc gccaagtctt 360
tcagccgctc cccatcctgg cggaagatgt tccgggagaa ggacctccga ggcgtaactc 420
ccgactcagc tgagatgttg ccccccaact ttcgttcggc tgcagcggga gccctgggct 480
ctccggggct ccctctccgc aagctgcagc cagaaggcca gacttctggg agttcccggg 540
cagacggcgt ttcggtccgg acctattcct gctagtgcag gcctccaggt gacctcactc 600
ggacggaaga atcttcccga ggctgggctg ttccctctcc tgcccggact gtggcctcgc 660
cggggagagc gggcgggggа gctcgcgccg aggactggac catctgtaca gaccagcggg 720
agtgcgcgcg cccgcctcgc acagggccgg ggcctggacc aaaccacatg aactggactg 780
agaggggggaa gaagcgggga ggaagaaatc ccgccccaaa cgtccgcttt ccttttctct 840
actttgtaat ttattgatca gtttctgttg ggagacgggt gtcctttacc cgcgggaagg 900
gggcggggct tccctcccgg gccgcatgcg gggagaggct gctccctccc ctttttcctg 960
cccagtcgcg gggcccaagt cttccttctt cgtccgaaag gaggggaggg gggactcgct 1020
gctacaagcc tcgccccctg tgccactcag ctccgccccg ccgcgtccgg tcgccggtcc 1080
cccgggtcat ctgcgggcgg gktcccctct ccctcccccg tgtctcgtgt ccccggggcc 1140
tcaccgcccc ccgtgctgtg gccgtgtccg tgccccgggg gtagggggcg cagaatggcg 1200
cttccccttc tcctctggct ccggggtttg catgggagaa tcctctttcc acgatgccgc 1260
tgggcgacgt ggcgtggggg cagggggacg gtgggggagc cctcgccccc gactctcggt 1320
cggcctcccc gccccaggcg tcactcagtg atcacgggta aagagaactg tttcaaaaaa 1380
aaaaaaaaa 1389

<210> 550
<211> 539
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<400> 550
agaggccgcc aacatgatcc tggtggatga tgacttctca gccatcatga atgcagtgga 60
ggaaggcaag ggtatttttt acaacatcaa aaactttgtc cgattccagc tgagcacgag 120
catctccgcc ctgagtctca tcactctgtc caccgtgttc aacctgccca gccccctcaa 180
cgccatgcag atcctatgga tcaacatcat catggatggg ccaccggngc agaggtgagg 240
cagggcggct gggagccctg tgtctcttta cctacctgcg gggcttcctc caggggctgc 300
tggctgtgcc caaggctata gggatgaaca aatacagcca ctttccatca ggagttccca 360
gaaaactgaa gtgtgttgca ctggagtgag actgggagta gaaggcagag gagaaagtac 420
ctgggccggc agagctgggt gaggatggaa ctttctgctt cctctggctg gatgctctct 480
ctgggcaaac ctgcatgggt taattctnat gcttnaattt caagtcaccc agtcactgg 539

<210> 551
<211> 1089
<212> DNA
<213> Homo sapiens

<400> 551
gacactattg aaggtacgcc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgcggacgc gtggggactg cttagaaata tagctgaagt gatcaccaca gccataaaat 120
tgtttaagaa agatttatat aatgtttaca aatctggaat caaggatttt agctgaaatc 180
ctttaagaga tattagagca agtatttaat tcaggtattt tcaagtttta aaacttaacc 240
tgtttaccta ctaaaaataa aatagctagt ttttttctgc atataaaagt tcattgaaat 300
gatatgccct tatttgcaat acttttccca taaagtttta agtgtgaaag aattgtaatt 360
tactagatat gtttggtatg ggatattttg ttaggcaagt tttctttttt cttcttaaat 420
tgcaataggc ttccaaaaag agtataattg tttcagaaca aattaactct tggcattata 480
cgtctccctt tttctttaca gtattagtaa aatgaaaaat tgtacacttt ctgattttaa 540
cttcactaat gtaattactc tctcaagaag cttttaaaat ttaaattacc atcacacaac 600
ctttttatag taaagccaac atttgttctc tcaccaaacc ccatgccaaa ttcatcatga 660
agaaagctca gcataagtaa ttcaaatact gcttataatt ttagaggggg gtagaattta 720
gtaaatattc cagccggtcg ttttatgcac aaggcttcag tcagaacata gaaaaaaaaa 780
acattctgtg aatgaaatat tgtatgttca gattttataa aagacatttt taaaagccca 840
atttacagcc gtatattttc ttatgatgta atttatgaaa aagatgtctg tactaacagg 900
tgctgtaaca ctactgttgt tggattttat tgtttggtga taaatgtata caatatttct 960
aagggaaact atgtactgtg atgtaaaagt ctgggcaaaa tgtatataat cctgtatata 1020
attatgtatt tgattataat tactgattgt aaagatttaa taaaatatgt aaatattcca 1080
aaaaaaaaa 1089

<210> 552
<211> 1938
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1521)
<223> n equals a,t,g, or c

<400> 552
actgtgtgca attttatttt gcctcagtga cagtcacttt acagccatat tggtgcacat 60
gcattagcaa aagargtgca tgccgcgtgc acgtgtgtgg gtgcggcaca gctctccgca 120
gcaagaggta aacaagacaa gcactacggt ggttcaagtt gaagctggag gtcatttttt 180
gcccctgtaa gctgagccct gaagaagaaa gtcaccatgt atccatcttt gttacctttt 240
tggatttgac gctgatccag atcctcctgg gaccttcaat ccgctgcttt tacaaggatg 300
aaaaggattc tgatgacttt ttttgaactg tttgggcagg aatgctacag rgagaaycaa 360
tttctgtgaa ctgagagtcc ccaggtgata atttggtgtt tcacacacag gcagtttctt 420
tttaaatgtg tggtgctttt ttagtcawct ggctttgcaa acccyagtgt ttgaaaaaca 480

gggatgtagt tcagcagtgt ctgaataagg ctgatgactc agaatcatgc agtgcctggc 540
ttctcaggcc gccgncagcc gggactgctt taggcgcgaa cccacgcttc tgacctgtgc 600
tctgtctttg cagttctgca cggagctaaa ccagccgacc ctgcccaaca tccgcaagtg 660
ggaaggggcc ccggggatgc tggaaggctg ttgttgctga gaagccctcg aatcagctcc 720
agaagggagc tgggtatgca ggattcctat gggacgcggc tgccggcatg gagctgagag 780
acgcgggttc acaggagagc tcgccaagca acgggcacgg gaagctggcg ggccccagcc 840
catacctcgg gaggttcaag gtgggaagtc acgacctgac ccttgttaac cttcacctgg 900
cagccctgac cctcctgggg agcgagaatc ccagcaagaa tcacagtgat ggccaccggt 960
tggcgagctt tgcacagacc ctacaggaaa ccctgaaagg agaaaaggat gtcattatct 1020
taggggattt tggccaaggg ccagagcagc aatgactatg atatcctgag gaaagaaaag 1080
ttccaccacc tgatccccgc gcacaccttc accaacatca gcaccaagaa ccctcaaggc 1140
tcgaagtctc tggacaacat ctggatcagt aaaagcttaa agaaggtttt cacaggtcac 1200
tgggctgtgg tgagagaagg cctcacgaac ccttggattc cggataactg gtcttggggc 1260
ggggtggctt ctgaacactg cccagtgcta gccgagttct acactgaaaa ggactggagc 1320
aagaaggacg cccctcggaa cggcagcggg gtggccttgg agcgaagtga agccaacatc 1380
aagcacgagc gatgatgaca ccaaatccat gtgtccaccc cgggacccag gagggcacag 1440
ccaaggaatg agccctgtgg ggtgacgctt cagggcagag ctgcctttta atttttattc 1500
tcagagcatc agcacttgag nccttgcccc acgccttctc tgtggaccat tcaggacctc 1560
cagtgggggt ggcgtgccag gcgcgtaccc caccaggtgg gcaaagcaga aacctgcggg 1620
gagcggagac gccttttatc tctggatgcc acagacctga gcagcattgg gctggctgtc 1680
cgctgctgac tggatggcag cacaaggaca atatgagcag agggaggaga agaaggggtg 1740
ctcaggctgc gggccacagt ccagcagcgc cagaagcact catttctgac caccaggcta 1800
tgacgttcct ctgcgcatta cagaaagctt ttaactgtga tcaggcagtc tgctcagata 1860
cattgagtgg cgatttttag ttttgttttg aaaaaataaa cagattaacc tgcaaaaaaa 1920
aaaaaaaaaa aaattact 1938

<210> 553
<211> 1442
<212> DNA
<213> Homo sapiens

<400> 553
ggtccccgtc acgctgactt tccgtgcagt gctgtggtgc gaaaatgcct cgccgctcyt 60
ggtagacgaa gaggaagaca aacctacagt cgcttccaaa ctctagagtt ggaaaaggaa 120
tttcttttta acccctatct gaccaggaaa agaagaatcg aggtttccca cgccctagcc 180
ytcaccgaga gacrggtaaa aatctggttc cagaacagga gaatgaatgg aaaaagkaaa 240
acaacaagac aaatttcccg tttcccggca ggaggtgaag gacggggaaa cgaaaaagka 300
agcccaagag ctggaggaag acagagccga aggcctgmca awttaacytc tacctttaaa 360
atttaccaca gactattaaa actaataatc accatatgct gtggacacca cctattttct 420
ttgttggaaa ggaccttacc tgtgtttcaa gctaccttca tgtcactgct cttgaggttt 480
tctgtgcttt gagagggatt tgggtgttta aaaaagtttc tagtatcaca tagaagctgt 540
ccttgagctg tcctatggaa gggtaatttg atactgacct tgtagctata tttttataat 600
ggtttttaat gtctgagcta gtgatttgcc tcaacaacgt aaacttccta atgattagca 660
cttaataatt gcatataaaa tgctttatta attaaacaag tgcacttgaa cattttaata 720
tttgtggtga gtaaattaaa aggagtttat taattaaaaa aaattatgtc tgcagaatac 780
tttatattat ttgattacaa tgtattattt atggattttt tattctttcc tttataatga 840
atagttcggg tgcgttttgt ttactcctaa aaggtttctt tgcgtatttt ctaaatgtaa 900
tatctcgggg aaaatattag aaaagcacgt attagctgaa gaatgtaact tgtagtccag 960
ctctgcagct tccttaaact taagaaaaag attgggccag tgacaagaat ttaaagacaa 1020
tgtccaagtt gacaattatt tttctatagt ccatacaaat taaataatct ggcaactctg 1080
gcaaatcgcc ttgtaaaatg cgtctcattt tttaacttgc tttcgttttg aaccgccctt 1140

gtaatcgcct gaaatcgcta gttctttatg cggtggcygc cctgtgttcc gttattttca 1200
gtaggtgtca tatttatttg tattgccttt gttctgttcg ccgctggttt taaaccagct 1260
tgctgtgtgc atctcagacg tcggttggta cgtcctccgc tgttyttcag gaaagcgata 1320
gcctcaccta tttgaaacaa gccctgagag gaaacgcaga aaaacctgag tgtaaacaac 1380
tccggaatgt cgctagctcc ttagtaaata aatgaatctc tttytggaaa aaaaaaaaaa 1440
aa 1442

<210> 554
<211> 1446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 554
aagaactaaa acgactcact atagggaaaa actananacg cctgacagga aaccggnccg 60
gaattcccgg gtcgacccac gcgtccgaaa ragaggtgga ggaggagggt gatgttgata 120
gtgatgaaga agaggaggaa gatgaggaga gctcctcgga gggcttggag gctgaggact 180
gggcccaggg agtagtggag gccggtggca gcttcggggc ttatggtgcc caggaggaag 240
cccagtgccc tactctgcat ttcctggaag gtggggagga ctctgattca gacagtgagg 300
aagaggacga tgaggaagag gatgatgaag atgaagacga cgatgatgat gaggaggatg 360
gtgatgaggt gcctgtaccc agctttgggg aggccatggc ttactttgcc atggtcaaga 420
ggtacctgac ctccttcccc attgatgacc gcgtgcagag ccacatcctc cacttggaac 480
acgatctggt tcatgtgacc aggaagaacc acgccaggca ggcgggagtt cgaggtcttg 540
gacatcaaag ctgagtcact ggacctagct gtgcccccaa cctagattgg cagcaccacc 600
ccagggcaga ggactctctg ggcacccgct gtgcatggag ccagagtgca gagccccaga 660
tcctttagta atgcttcccc tggtcctgca acaggcccgg tcacctcggc cgggcccggg 720
gctgaggtca gcctcactgc ctgcttattg cctcttttctc agaatcctct ttcctcccca 780
tttggccctg ggctcagggg accaggtggg gcgggtgggg agctgtccgg tgctaccaca 840
ccgtgccctc agtggactaa ccacagcagc agccagggat gggccctgga ggttcccggc 900
cggagagtgc ctctcccctc tgccatccac gtcaggtctt tggtgggggg accccaaagc 960
cattctggga agggctccag aagaaggtcc agcctaggcc ccctgcaagg ctggcagccc 1020
ccacccccac cccccaggcc gccttgagaa gcacagttta actcactgcg ggctcctgag 1080
cctgcttctg cctgctttcc acctccccag tccctttctc tggccctgtc catgtgactt 1140
tggcccttgg ttttctttcc agattggagg tttccaagag gccccccacc gtggaagtaa 1200
ccaagggcgc ttccttgtgg gcagctgcag gccccatgcc tctcctccct ctctggcagg 1260
gccccatcct gggcagaggg gcctggggct gggcccagag tccagccgtc cagctgctcc 1320
tttcccagtt tgatttcaat aaatctgtcc actccccttt tgtgggggtg aacgttttaa 1380

cagccaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
aaaaaa 1446

<210> 555
<211> 1278
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1252)
<223> n equals a,t,g, or c

<400> 555
ggtcggtttc agaaatgcct tgcagtgggg atgtctcata atgccatcag gtttgggcgg 60
atgccacagg ccgagaagga gaagctgttg gcggagatct ccagtgatat cgaccagctg 120
aatccagagt ccgctgacct ccgggccctg gcaaaacatt tgtatgactc atacataaag 180
tccttcccgc tgaccaaagc aaaggcgagg gcgatcttga caggaaagac aacagacaaa 240
tcaccattcg ttatctatga catgaattcc ttaatgatgg gagaagataa aatcaagttc 300
aaacacatca ccccccctgca ggagcagagc aaagaggtgg ccatccgcat ctttcagggc 360
tgccagtttc gctccgtgga ggctgtgcag gagatcacag agtatgccaa aagcattcct 420
ggttttgtaa atcttgactt gaacgaccaa gtaactctcc tcaaatatgg agtccacgag 480
atcatttaca caatgctggc ctccttgatg aataaagatg gggttctcat atccgagggc 540
caaggcttca tgacaaggga gtttctaaag agcctgcgaa agccttttgg tgactttatg 600
gagcccaagt ttgagtttgc tgtgaagttc aatgcactgg aattagatga cagcgacttg 660
gcaatattta ttgctgtcat tattctcagt ggagaccgcc caggtttgct gaatgtgaag 720
cccattgaag acattcaaga caacctgcta caagccctgg agctccagct gaagctgaac 780
caccctgagt cctcacagct gtttgccaag ctgctccaga aaatgacaga cctcagacag 840
attgtcacgg aacacgtgca gctactgcag gtgatcaaga agacggagac agacatgagt 900
cttcacccgc tcctgcagga gatctacaag gacttgtact agcagagagt cctgagccac 960
tgccaacatt tcccttcttc cagttgcact attctgaggg aaaatctgac acctaagaaa 1020
tttactgtga aaaagcattt taaaaagaaa aggttttaga atatgatcta ttttatgcat 1080
attgtttata aagacacatt tacaatttac ttttaatatt aaaaattacc atattatgaa 1140
attgctgata gtatttgaag actgagtctt gtgtgtttcc caccctagcc cccaggcttt 1200
ctttttttacc ccttttcctt ctcccctncc tcctncatcc ctctnactct tnctccctcc 1260
cttccttcct ttcttctt 1278

<210> 556
<211> 2001
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1979)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1991)
<223> n equals a,t,g, or c

<400> 556
aaaacaggct tggctggtct tgaaaatccg gcatcttagt gaacaacgtg rgaatgtcgt 60
atgagtatcc tgaatacttt ttggatgttc ctgacttgga caatgtgatc aagaaaatga 120
taaatattaa tattctttct gtttgtaaga tgacacaatt ggtactgcct ggcatggtgg 180
aaagatccaa aggggctatt ctgaacattt catctggcag tggcatgctc cctgtcccac 240
tcttgaccat ctattctgca accaagactt ttgtagattt cttctctcag tgcctccatg 300
aggagtatag gagcaagggc gtctttgtgc agagtgtcct gccatacttc gtagctacaa 360
aactggctaa aatccggaag ccaactttgg ataagccctc tccggagacg tttgtgaagt 420
ctgcaattaa aacagtcggc ctgcaatccc gaaccaatgg atacctgatc catgctctta 480
tgggctcgat aatctcaaac ctgccttctt ggatttattt gaaaatagtc atgaatatga 540
acaagtctac acgggctcac tatctgaaga aaaccaagaa gaactaagca ttgataactg 600
cattgtaact tggccagatg ctccagcata tgcacgttca ctgcaaagca ccctactggt 660
tttgaaaatc tgaccttgtc atttcaatag ttattaacat gactaaatat tatcttaatt 720
aagaggaaaa tagaagttgc ttttaggggt ttctgacata tattctggat actatccgag 780
gtaattttga agtttaatat aaatgctcat atcaaatgaa tatagaacta atattgtcgg 840
gaacacctaa tagaaaggaa tactattata gcaaatcaca gaatgataga ctcaagcata 900
aaacttggca gttttatctg cttcaaaatg ccattgatca ttattcctgt attttctctg 960
aaactgatta taaaaaccaa tgtccagcta ctcttttgtt tttgacactt gaagaaatgg 1020
agatcgattt gatttgttta taagcagaca cactgcaatt tacaatgatc tctttacggt 1080
tttataaaat tatcttccag tttgtacatt tatatggaat tgttctttat caagggtagc 1140
taatgacatg aaaataattg tgaaatatgg aattatttct gacacatgaa gcccactaaa 1200
ctatgctttc ttataatgca tatttcttct cagtttaaat gtatgtaaat atcgaagcta 1260
tatggtatga tttataaaga taaatgggcc aaagtgtaca ttgagactgg cagccatcta 1320
tggtaccact gaaaccctga cccagaaaag tggcttgctt ggacacccag ctgcctttgt 1380
ttctgcatta aaccaatatt gatcacacat atgacacagg ctagtcctat aaaagtaatg 1440
acttcataga aatggcatta taatttttaa gttgatactc tacaggtagc tattgatata 1500
attagtttta ataaaacatg ctgcaaccat ggtatacaac aaaaatacat ttctttggtg 1560
attgaaatta aggccgtatt tacaatgact taatataaga ctgactttta tcctgcttca 1620
taacttgtat ggagaactca ccaagaaaga attcaatact gtgaaatatg cagcaagaag 1680
attggtcttt acctaggctg tgtttcctaa gctctgagtt ttcagcacca gtagatttgt 1740
attaaaagaa aaaaaaatgg ggccttagct tctggctttt aattttgcca gctaaggaca 1800
taaaacaaaa ataaacaaac aaaaacaaat agccatctgc tatcagcatc attatgtaaa 1860
agaaaatata ttttagcccc taaaattagg aagaatgtaa tctcagaata aaggttgtca 1920
tttaagttga ataaatatat agctttatga aaaacaaaaa aaaaaaaaaa aaaaaaatnt 1980
cctgcggccg ncaagggaat t 2001

<210> 557
<211> 2524
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (596)
<223> n equals a,t,g, or c

<400> 557
ctgctaaaaa aaaaaaaaaa atggggcccg aaataaaaga atatatagta ctcacctcag 60
ttccttccat aagaagtggg tggtttaatg attgttaagc cattttgcc tgtgccggga 120
gcatggaggg ctgagatgtc racaggcagt gggaaacaaa tgccctccta agccacaagg 180
cgtgcgccag attagtaggc aactccattt taagaagctg ccttttcac aaaactggaa 240
gaaataaaag cggttggaat aaacaagtta aaagtcttta atgcaaaaag taattgaaag 300
gcagtgcntc cattttggtg tactttcttg gaagaaagta taaaattgac cggcatcatg 360
agagacggaa gatgccgtgt tctcagccaa acaagcaact ctttccccgc cagcactgtc 420
gggtggggtc aggccagctt ttaaacactg gggactggat cacagaaaaa cagtggtttt 480
ctgtccctgg gaaatgaata ggcacaaaga cccacttggc tgtgggcaga ctactcttca 540
ataagatttg ggtgggagga ggaacattcc ttttgctatt ttgagctgag acaatntaaa 600
tattcaactg tgccatgcat aaagcattga attctcaggg cacctcttct tcccccttacc 660
ccttttaagg ccatcccctc cattaataat aatccaggta gttgtgaaaa tcgtgcttct 720
atctgatccc ttcttagttt ggcttttcat cccatcagaa caagtaaacg taggcgccac 780
agctcttgtg agtactgtct ccctcacggt gaatgagcct cctggtgttt cgtccaagaa 840
aagaaagggt gtcactggaa ccacagccct ttttcatttt ataaactgcc tcttcatgtt 900
gcctgctcaa gtttccacct agaattgcta tcactgtggc tctttctaaa aatctttctr 960
tttaactggt tcactgaaat tagtcataga aaacttgtga tttggtgaag aggcattcct 1020
tgtaataacc aaatgacttg ggatggtgtg catagcaagg gcagtgttac acttaygagg 1080
actgtctcta gcatccagga agtctctggg tctgagggat ggaaagttct tcctgctatg 1140
aatgagagtg gactcttccc ctcaccccca actgaaacca caaacaacca gaatcttctg 1200
gaattctgac ttagagtcgt tgttatagaa gaccttgttg ctatggaaca tgaaactgtg 1260
tgtcagatgg agagatcccc ttaacctaag agccttaaat agccctgaaa gtacactggg 1320
acggtttgcg atggaattaa aattggaagt gaatattttt aggtgctctt gaagctttct 1380
ggggactcaa aattatcaaa agtcagggac agtccggagg aagagcgtct gcaaaactgg 1440
gttcctagaa gtatagacgg acttagcttt ttgtagaatt tggtgaggag cagcgcctcg 1500
tgagagcaga atggcctggc gtggccagtg cttcccggca gcacgcagct ctgcggcctc 1560
cagaattccc ctgttctgag cttgatgccc ctagcctgtc ccctacctac ttcctcccct 1620
cctctctagc cctctcacag gggtgattgc tacctctctg ttttcttggg cctaggcaag 1680
ttttagagga gttcccaagc attgttatga ggccagtgtg ctcgctgggc tgggcgggat 1740
ggcctgggct tgtgtgtggc ctgagggctc tcctggggcc ttctcttttc ccagtcacct 1800
ttggagccac agaagcagtg cactcattgg atgtctgttc ttaacacagc ttctctttct 1860
acattaaaaa aaatcattat tgcattttgg aaagcagtgc tcatcaaaag caacttttaa 1920
aacctatttt attgttcctt taaatgttct ctcccgctga aactgccctg gagaggctat 1980
ctgctgctct tccatttacc cacatcaggt tattctccat gtcactcagt ggagatgact 2040

ccagatgtgt ttaaagactg gacaattcac ctatactgtg taggaaatta cctccttaat 2100
tacctggtag aattgtcagc agacatgttc atccgatgat agtactgcag ttttctatta 2160
ataatttgca gacttttatc taacctgcac tcatgtacag attattaaaa gttttaaaat 2220
gtaactgatc agtattgatc aatcattgtc ttgatttttt tttacagcgt atatttctaa 2280
tcatattttt taaagccaag agaactggtt gaatgaatgt ttattttcct gaaggtattt 2340
ttaagataaa gcttcctaat ggcgtgtaaa ctttgcatat gtatgtagtt tgatacatat 2400
tgtcacattt gaaaatcttg tgggttgtaa ctggttttat acaaaatatc gaatagtgga 2460
aattgtataa ttacaatcat gtaattaaaa gtattaaccc aaaaaaaaaa aaaaaaaayt 2520
cgag 2524

<210> 558
<211> 2667
<212> DNA
<213> Homo sapiens

<400> 558
gagaaataat aatatagctt tatagaattt tccatcttgt attaaaataa tcacatgtac 60
atcattgtaa ctcagtccat aacataagat tttgtacaac aatttctttt tgtgtgctgg 120
catcattaag gtttagtctg cccagatcac ctattagtac ctaatttata tattctgaat 180
taaaattatc tgttaattta aaaacatttt atctattgtc tttcaaaata gtattaactg 240
agggtttttt tgtgtgtgtt tttctatttt gcttggcttt ttgaacatta ctggactctc 300
gttttagaag gaaaaacctt tcagctctac tctcacaatc ttatagcttt gtttgaacat 360
gccaaaaaac caggattagc tgcccatatt caaactcaca ggtttccaga ccgaatacta 420
ccaagaaaat tcgctttaac aacaaagatt cctgatacaa aaggctgcca caaatgttgc 480
atagtcagaa acccttacac gggacataaa tacctctgtg gagctttaca gtctggaatt 540
gttttacttc agtggtatga gccaatgcag aaattcatgt tgataaagca ctttgatttt 600
cctttgccaa gtcctttgaa tgtttttgaa atgctggtga tacctgaaca ggaataccct 660
atggtctgtg tagctattag caaaggcact gaatcgaatc aggtagttca gtttgagaca 720
atcaatttga actctgcatc ttcatggttt acagaaattg gtgcaggcag ccagcagtta 780
gattccattc atgtaacaca gttggagaga gataccgttt tagtgtgttt agacaaattt 840
gtgaaaattg taaatctaca aggaaaatta aaatcaagta agaaactggc ctctgagtta 900
agttttgatt ttcgcattga atctgtagta tgccttcaag acagtgtgtt ggctttctgg 960
aaacatggga tgcagggtaa aagcttcaag tcagatgagg ttacccagga gatttcagat 1020
gaaacaagag ttttccgctt attaggatca gacagggttg tcgttttgga aagtaggcca 1080
acagaaaatc ctactgcaca cagcaatctc tacatcttgg ctggacatga aaatagttac 1140
taagcaacag aaactgatct caaatgacag gaaaatgaat atactccatt gaaaggaaaa 1200
ataaggaaat tcaatacaaa ctgcactatg atttgcttta actattatgg gttatattgc 1260
aaatgatctg tactttaggg tagaattcaa tattttctgc agctggaaac agctagtcta 1320
tctcttgcca ctgtgtggtg gttatatcaa gtttgcttaa taaaagctat gagacaaata 1380
gtcctctagt tccaggaaac acagtctttt tttaaaaaaa acaatgtttg taacaagggt 1440
gccatggtat ttttagataa ctcgtgatta tcttaagaga ggtaaattta gtgatcattt 1500
tatatcatgt cttattcctt cttaatgaac ataatttgtt aaattctcaa gcaaggtttt 1560
cacttttata ttggccattc tgtatgtttt tgtaaaacag aatatttaat ccttatttat 1620
taatctcttg ctggagtggt gtaatgtatc taacttttag caaaggaggg ttgcagagca 1680
gcttaaattt tttttataat gtataagaat tttgtttatc ttttaagagt agtaaagtac 1740
tttgagtgtt tgggggttca acacacacat gcaattttgc ttaacaaaag tattttataa 1800
tacagtttca tacagaatta ccttaaaagg gagtcttatg ttttcaacta cagatagttg 1860
taagggatca tacagaagat attgatgata gttgaaatat tcttagaagg ggtgtgtatg 1920
tctagctgtg tctaccatgt gtatgtattc ttgacaagca gtataaaata cctgtgattt 1980
ttctttacat tagggataat gcataaggaa ttaatcttca tatatattat catccctaat 2040
gtagcagggg gaagtattta attgcccatg atatgtattt tacttatact atgccagaga 2100

ggaaactata aagtaattac acatgtaatc ttgggttttt cacatatgta ggtattcatt 2160
ttgagtaggt tgaagaagaa aaaaaatatt taaatgaatt gaattcctga tgggatagta 2220
tcaataagta tttaaaagcc agtattctaa aaataataaa gggtagggtc atttttgagt 2280
ttgtttttct tttgctattg ttaatattca aaattaaagt gttacattgg tacctgttgt 2340
cttaatgcat ttattgagaa cagcattgag atgatgaaca aggggttagc aatagcaaac 2400
tctataatta ttttgactaa ttacttaaga ggaaaacagt ataagtatct cattcagtat 2460
ttagcaattc tgtaaaataa gtattatctc tatttttcag atgaggaagt aagggtttag 2520
caaggttaag agatctatcc aatttacaca gcaagttagt agttgagcct gaccatgagt 2580
cttctgactc tgttcttttc actatgcaat acgcaaacaa taaaatgtta tacaaatgga 2640
aaaaaaaaaa aaaaaaaaaa aaaaaaa 2667

<210> 559
<211> 2607
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<400> 559
ccggcgccaa gcccgcgcct ctccgcgccg ccccggcttc cgcaccggcc ctctccgcgt 60
ccccgcccgc gcgnccggac cgggcagcca gaaaaatcat ttttcttctc tgggaaggtg 120
aacatttgta gcattgattt cccggatctg gtaacatggc aaaagatgcc ggtctaattg 180
aagccaacgg agaactcaag gtcttcatag accagaacct tagtcccggg aaaggcgtgg 240
tgtccctcgt ggccgttcac ccctccaccg tcaacccgct cgggaagcag ctcttgccaa 300
aaacctttgg acagtccaat gtcaacattg cccagcaagt ggtaattggt acgcctcaga 360
gaccggcagc gtcaaacacc ctggtggtag gaagcccaca cacccccagc actcactttg 420
cctctcagaa ccagccttcc gactcctcac cttggtctgc cgggaagcgc aacaggaaag 480
gagagaagaa tggcaagggc ctacggcatt tctccatgaa ggtctgcgag aaggtgcaga 540
ggaaagggac cacttcctac aacgaagtgg cagacgagct ggttgcggag ttcagtgctg 600
ccgacaacca catcttacca aacgagtcag cttatgacca gaaaaacata agacggcgcg 660
tctacgatgc cttaaacgtg ctaatggcca tgaacatcat ctccaaggag aagaaggaga 720
tcaagtggat tggtctgccc accaactcgg ctcaggaatg tcagaactta gaggtggaaa 780
gacagaggag acttgaaaga ataaaacaga aacagtctca acttcaagaa cttattctac 840
agcaaattgc cttcaagaac ctggtgcaga gaaaccggca tgcggagcag caggccagcc 900
ggccaccgcc acccaactca gtcatccacc tgcccttcat catcgtcaac accagcaaga 960
agacggtcat cgactgcagc atctccaatg acaaatttga gtatctgttt aattttgaca 1020
acacatttga aatccacgat gacatagaag tgctgaagcg gatgggcatg gcttgcgggc 1080
tggagtcggg gagctgctct gccgaagacc ttaaaatggc cagaagtctg gtccccaagg 1140
ctctggagcc atacgtgaca graatggctc aggggactkt tggagggckt kttctctgcc 1200
agtgacctga ccaacggtgc agatgggatg ctggccacaa gctccaatgg gtctcagtac 1260
agcggctcca gggtggagac tccggtgtcc tacgtcgggg aggacgacga ggaggacgat 1320
gacttcaacg agaatgacga ggacgactga cgtcctcccc acttcagatt cggcttcagg 1380
aaaacgttta gcgaaaagaa actttttttt taatgtgggt tttctgtttc cttttggcct 1440
actcccaaga agatattggt aagctattga atttagatat gcacctctga taagcaagga 1500
ttgtttcccg taggattagg acgtgctgtg gatgtgtgtt ttgataccag tgtgctgatg 1560
cagagcgttt atttacttgt taggattttg tgttttcatt tgctattttt ctttaagtgc 1620
agagttcatt tttgcccctg aaaagttttt gctgagtttg ctgaagaaat tgtatttcaa 1680
ccacatccat gaaaataaaa cacctcctgt tgtggatggt gagcccctga tgccgcttat 1740

ttgccgtgag tttggacggc acccctgctg gcggatagca agactctgtg gagtttgttc 1800
agtggtacgg tgtccaagca aacagcagaa tgcaactttc taaacagccc caagcaaaca 1860
gcagaattca acttttaaa caataaacac catcaacctt attgacttta ttgtccctta 1920
aattatattg actgttgtga ttccatcaag tttgtacact cttttctctc cctgttttgc 1980
agcaacaaat tgcgaagtgc ttttgtttgt ttgttttcgt ttggttaaag cttattgcca 2040
tgctggtgcg gctatggaga ctgtctggaa ggcttggaat ggtttattgc ttatggtaaa 2100
atttgcctga tttcttacag gcagcgtttg gaaacctttt attatatagt tgtttacata 2160
cttataagtc tatcatttaa agacatgtac tgaaacaaat gtatttgttt cataagcatc 2220
ttcctgtaat ctattataaa attgaaatta aatatagaga atgttttaac aatttttaa 2280
aaatttgtca atcattttta atagttcttt ttttataaaa agaaaaagga atttaaggac 2340
aggcagtagt ctcttttaaa atttattcac aaaacccatt aaaggcacag ttgctattag 2400
ctgcctgttc taaaacgata gtcttttttat tgaaacacaa ataaaacttttt ctgtaatatt 2460
ttatggtata taaagagact ttaattgttt gacttgttta acttggcact gttagttttt 2520
attaataaaa cgcgcatggg cattttaaam aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2580
aaaaaaaaaa aaaaaaaaaa aaaataa 2607

<210> 560
<211> 1837
<212> DNA
<213> Homo sapiens

<400> 560
ctggataacc taccagggat tcctttccca gtggacgctc acgacttatt tagatgtaca 60
gcggtgcctg gaatatttgg gctatctagg ctattcaata ttgactgagc aagagtctca 120
agcttcagct gttacagtga caagagataa aaagatagac ctgcagaaaa aacaaactca 180
aagaaatgtg ttcagatgta atgtaattgg agtgaaaaac tgtgggaaaa gtggagttct 240
tcaggctctt cttggaagaa acttaatgag gcagaagaaa attcgtgaag atcataaatc 300
ctactatgcg attaacactg tttatgtata tggacaagag aaatacttgt tgttgcatga 360
tatctcagaa tcggaatttc taactgaagc tgaratcatt tgtgatgttg tatgcctggt 420
atatgatgtc agcaatccca aatcctttga atactgtgcc aggattttta agcaacactt 480
tatggacagc agaatacctt gcttaatcgt agctgcaaag tcagacctgc atgaagttaa 540
acaagaatac agtatttcac ctactgattt ctgcaggaaa cacaaaatgc ctccaccaca 600
agccttcact tgcaatactg ctgatgcccc cagtaaggat atctttgtta aattgacaac 660
aatggccatg tatccgcacg tgacacaagc tgacctcaag agctccacgt tttggcttcg 720
agcaagtttt ggtgctactg tttttgcagt tttgggcttt gctatgtaca aagcattatt 780
gaaacagcga tgatataaaa agaaatactg tccctaccaa aaacaaatac ttttatgtac 840
attctgaatg ctttaagttc tgctagaatt attgagatat ttatacatgc agagttactt 900
tattaatatt tgtaattcat gcataagagt attttaatga tagttataac tgcagtattg 960
gctagcatat ggaaagaaaa cagctaacag ccaaactaaa atggctaaat tccagaggcc 1020
aaaagggaat attttgtaaa tatatgtaca tattcaggca agatatggtc tcccaagctg 1080
agttctagaa atgatgtttc tagacatttc taagtggtat tgttagtgct cacttggctc 1140
actcttctag gtttaagtta gcccagagat tgtatttact catggatcac tttatttatt 1200
tcacatttac tcagaatgat cctttgggtt ctataaggac ataaggtaca atttgccatt 1260
gtctctccat ttttaaaaac atacaagtca gtgtcagctt accaacatga catttttca 1320
gtcagttgtg gtaggccagc cttgaagcca tcgcacagtc tagaaacttg tgtagctgag 1380
tgtgcagctc acctttaagg gtgaagttag gtaaaagcaa ttagcagagg cgttatctat 1440
gtgattatgt tgcttccttg tcagtatgtt gaattttata gccctttcaa tgaaataaaa 1500
aaaaaatttg tatattacca atgtttttag tttaaataaa gagtcaccct tactactgtt 1560
gaatttcatc ccaagtgtaa atcattctat aatggctgtg tctgttatag tatattacag 1620
taactgcatg tgtcaccaag tgttctatat caggctagga taacctagag gcagtaattt 1680
tttaaatgat aaaataaatc taatgaatat aaactctcat gataaaccta ttttttccat 1740

catcagcctt ttcaagtatt taaataaata actgctgtgt actgtgatct tgagttcttt 1800
tgtcatctaa agtaaatatt tctgtacaga taaaaaa 1837

<210> 561
<211> 1682
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<400> 561
ggngcagcag cagccaggtg tggcagtgac agggaggtgt gaatgaggca ggatgaactg 60
gacaggtttg tacaccttgc tcagtggcgt gaaccggcat tctactgcca ttggccgagt 120
atggctctcg gtcatcttca tcttcagaat catggtgctg gtggtggctg cagagagtgt 180
gtggggtgat gagaaatctt ccttcatctg caacacactc cagcctggct gcaacagcgt 240
ttgctatgac caattcttcc ccatctccca tgtgcggctg tggtccctgc agctcatcct 300
agtttccacc ccagctctcc tcgtggccat gcacgtggct caccagcaac acatagagaa 360
gaaaatgcta cggcttgagg gccatgggga ccccctacac ctggaggagg tgaagaggca 420
caaggtccac atctcaggga cactgtggtg gacctatgtc atmagcgtgg tgttccggct 480
gttgtttgag gccgtcttca tgtatgtctt ttatctgctc taccctggct atgccatggt 540
gcggctggtc aagtgcgacg tctacccctg ccccaacaca gtggactgct tcgtgtcccg 600
ccccaccgag aaaaccgtct tcaccgtctt catgctagct gcctctggca tctgcatcat 660
cctcaatgtg gccgaggtgg tgtacctcat catccgggcc tgtgcccgcc gagcccagcg 720
ccgctccaat ccaccttccc gcaagggctc gggcttcggc caccgcctct cacctgaata 780
caagcagaat gagatcaaca agctgctgag tgagcaggat ggctccctga aagacatact 840
gcgccgcagc cctggcaccg gggctgggct ggctgaaaag agcgaccgct gctcggcctg 900
ctgatgccac ataccaggca acctcccatc ccacccccga ccctgccctg ggcgagcccc 960
tccttctccc ctgccggtgc acaggcctct gcctgctggg gattactcga tcaaaacctt 1020
ccttccctgg ctacttccct tcctcccggg gccttccttt tgaggagctg gaggggtggg 1080
gagctagagg ccacctatgc cagtgctcaa ggttactggg agtgtgggct gcccttgttg 1140
cctgcaccct tccctcttcc ctctccctct ctctgggacc actgggtaca agagatggga 1200
tgctccgaca gcgtctccaa ttatgaaact aatcttaacc ctgtgctgtc agataccctg 1260
tttctggagt cacatcagtg aggagggatg tgggtaagag gagcagaggg caggggtgct 1320
gtggacatgt gggtggagaa gggagggtgg ccagcactag taaaggagga atagtgcttg 1380
ctggccacaa ggaaaaggag gaggtgtctg gggtgaggga gttagggaga gagaagcagg 1440
cagataagtt ggagcagggg ttggtcaagg ccacctctgc ctctagtccc caaggcctct 1500
ctctgcctga aatgttacac attaaacagc acccctgccc tctgctcctc ttacccacat 1560
ccctcctcac tgatgtgact ccagaaacag ggtatctgac agcacagggt taagattagt 1620
ttcataattg gagacgctgt cggagcatcc catctcttgt acccagtggt cccagagtcg 1680
ac 1682

<210> 562
<211> 1694
<212> DNA
<213> Homo sapiens

<400> 562
gggccaagat ggtgaaaccc cgtctctact aaaaatacaa agaattagct gggcgtggtg 60

gcgggcgcct gtaatcccag ctactcggga agctgaggca agagaatcgc ttgaacccag 120
gaggtggagg ttgcagtgag ccaagatcgc gccactgcac tccagcctgg gcgacagagt 180
gagattccat ctccaaaaaa aaaaaaagaa aaaaaaaaga aaagttctgt gttgatgtac 240
agtttctcct aagaagaagc gaggtggttg aattttggaa gcacttcttg aatcggatta 300
acccatgctc ttattgaatt ttttcatctg ctctgtttag tttgatatta aagcaaaatt 360
aagaggtctt agtttttcct atagaacttt taatatgtca aaagctatat tgtctaaatt 420
tcagtactta agcaaatact gagtagtgtt ttaaattcag aaatagagct tctattatga 480
acacatgaga atgatttttt tctcttaatc attattaagg aaatatttta atttcatggt 540
catataatgg tgataagtaa tacctgattg tttccttttc tgttctagta actcagagga 600
gatacgtgtt ttatttgtga tagcaaattc ctaaatgaac attaggcaag tggtatcatt 660
atcaggccag ctgcagcctc ttgccttgac ctgcattcct agaatttctt tgttgctgta 720
attcttgatt aagtgacctt gactttcatt ttgtaatttt gctaatcatc agcaaattca 780
cttgcatgac gttactgcca aatatgaagg cagttgaatt attatgagtg attgtggcag 840
aggtttgtgc catggtgaaa actttgatgt ttgtctgtgt tcattggatc catcttttta 900
aatgacatta ccatgagtct gttgtcaaac ctaaatatct ttgtttgaat ttaaaatggg 960
actctatatt gttgtagttc aggtcttcat tgactaagag attgagagaa atctgacata 1020
agaaaatatt gttttcactg caggaataaa gaggaagtaa cagtgaatcc aatatagttc 1080
atattgttat tgtccaatca tcaagttaac taagcattat cagattacgt ttatttctca 1140
tacatatgga tattaactta aggtaaaaaa gctggatgtg aaggatctga aaaggcatta 1200
atttatgtac taattctata aacatgtatt aataattgca gtattattaa atacagatgg 1260
actcaatgta cctttgaaaa gaccactaat ttagaaaaca aagctaagtg cagtcattac 1320
aagaagcaaa gaaatactta agttagaaaa aaattaaaat gaagggatgg tctaagtttt 1380
cttcatgctg gaacaaatgt taaagaagca gtgattgctt acaatgtatg tgataaaata 1440
ataccttttca caatcaaaat tttaatagta aatataagat aaaatttata ttaaataatg 1500
aaaacgtatt tgtactgaat ttagtcacta gagaacatcg taacaaaata catgaaacaa 1560
aagtagccag aaatgttaga acaggtggaa atgtatacat tatttgatgg tttgtttttt 1620
tatggaaata aacaacatac atagaattaa atggtgatca aaaacatgga aaaaatactt 1680
cactaaaaaa aaaa 1694

<210> 563
<211> 949
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (867)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (874)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (914)
<223> n equals a,t,g, or c

<400> 563
tgcgcgccga gtctgtccct gcgcatccct gtggctttcc tgcaccactg ccccccacca 60

ggatgatgga gagtaagatg attgctgcca tacactccag cagtgcagat gccaccagca 120
gttcaaatta tcattccttt gtcactgctt catccacctc tgtggacgat gcattgcctt 180
taccacttcc tgtcccacaa cctaagcatg cttctcagaa aacagtttac tcctcctttg 240
ctaggcccga tgtcaccact gaaccctttg gtccagataa ctgtttgcat ttcaatatga 300
ctccaaactg ccagtaccgt ccccagagtg tacctcccca tcacaataaa ttggagcagc 360
accaagtgta tggtgccagg tcagagccac cagcctccat gggtcttcgt tataacacat 420
atgtggcccc aggaagaaac gcatctggac accactccaa gccatgcagc cgggtcgagt 480
atgtgtcttc tttgagctcc tctgtcagga atacctgtta ccccgaagac attccaccgt 540
accctaccat ccggagagtg cagtctctcc atgctccgcc gtcttccatg attcgctctg 600
ttcccatttc acggacagaa gttcccccag atgatgagcc agcctactgc ccaagacctc 660
tgtaccaata taagccatat cagtcctccc aggcccgctc agattatcat gtcactcagc 720
ttcagcctta ctttgagaat ggccgggtcc actacaggta tagcccatat tccagttctt 780
ctagttccta ttacagtcca gatggggccc tgtgtgatgt ggatgcctat ggacartcca 840
gttgagaccc tttcaacggc tttccantcg agantttgtt ttttacaatc ctaggttgca 900
aggaaagagc tttntacagt tatgctgggt ttgggtccag gtccccggg 949

<210> 564
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<400> 564
aaacagggag aaganaggan agaaaaaggg ggattagtta tatcaaaaag cctggaaagg 60
tgggaatgga ccaaaaagat gggactcctc ctttattcca gcatggaggg ttttaaatgg 120
aggatttcct ttttcctgcg acaaaacgtc ttttcacaac ttaccctgtt aagtcaaaat 180
ttatttttcca ggaatttaat atgtacttta gttggaatta ttctatgtca atgattttta 240

BNSDOCID: <WO___0122920A2_I_>

agctatgaaa aataataata taaaacctta tgggcttata ttgaaattta ttattctaat 300
ccaaaagtta ccccacacaa aagttactga gcttccttat gtttcacaca ttgtatktga 360
acacaaaaca ttaacaactc cactcatagt atcaacattg ttttgcaaat actcagaata 420
ttttggcttc attttgagca gaatttttgt ttttaatttt gccaatgaaa tcttcaataa 480
ttaaattatg taaaaagtcn nan 503

<210> 565
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<400> 565
gtctgagtgg atggacactg cctcttagaa ctagaactta gaactktatc ttgaaaatgt 60
accactgttg cagaagctcc tcacagagta tgtgtcaggc atttttaacc tgctaaaggc 120
aagaagaagt gttcaccaca tagttgcaaa ggtcttcaac ttgccacagc caacagaaaa 180
atcaaaatga ttgaaccctt tgggaatcag tatattgtgg ccaggccagt gtattctaca 240
aatgcttttg aggaaaatca taaaaagaca ggaagacatc ataagacatt tctggatcat 300
ctcaaagtgt gttgtaactg ttccccacaa aaggcaagag aattgtcctc tctttgnttc 360
ccatagcatt ttgg 374

<210> 566
<211> 1652
<212> DNA
<213> Homo sapiens

<400> 566
agcttatacc agctgaatgg cagccttgcc taatccacct acaacaagaa tttcttaagc 60
tttcttttat ttgcatgaga gagccactac caaggcatgt tttgttatgc tgaaactggg 120
ctgctgcata ctgctaaatg gcacctctgg gattggccta cctggggatt tcttggtttg 180
tgaaaacagg agaggagaaa tatctcatac aagtgaaagg atactggaga gagaaattac 240
ccatttctaa aaaaaaacca cactctgtcg tatctgtgtt aatgttttct agcatgtact 300
ctggtttcaa cagacacaaa tttatatgtt aacccagttt tcttgccgtt ctgtaagtgt 360
tttattctta gtgtgatttt tttccattgg gatgtttttg attgaacttg ttcattttgt 420
tttgcttggg aggaaaataa acaattttac ttttttcctt taggagcatt atgagcatta 480
tgtcagaata gaatagaatt ggggttcgat cttaacaggc cagaaatgcc tgggttttwt 540
tggtttgttt ttgtttttgt ttttttatca aatcctgcct gactgtctgc ttgttttgcc 600
taccatcgtg acatctccat ggctgtacca ccttgtcggg tagcttatca gactgatgtt 660
gactgtyraa tctcatggca acaccagtcg atgggctgtc tgacattttg gtatctttca 720
tctgaccatc catatccaat gttctcattt aaacattacc cagcatcatt gtttataatc 780
agaaactctg gtccttctgt ctggtggcac ttagagtctt ttgtgccata atgcagcagt 840
atggagggag gattttatgg agaaatgggg atagtcttca tgaccacaaa taaataaagg 900
aaaactaagc tgcattgtgg gttttgaaaa ggttattata cttcttaaca attcttttt 960
tcagggactt ttctagctgt atgactgtta cttgaccttc tttgaaaagc attcccaaaa 1020
tgctctattt tagatagatt aacattaacc aacataattt tttttagatc gagtcagcat 1080
aaatttctaa gtcagcctct agtcgtggtt catctctttc acctgcattt tatttggtgt 1140
ttgtctgaag aaaggaaaga ggaaagcaaa tacgaattgt actatttgta ccaaatcttt 1200

gggattcatt ggcaaataat ttcagtgtgg tgtattatta aatagaaaaa aaaaattttg 1260
tttcctaggt tgaaggtcta attgatacgt ttgacttatg atgaccattt atgcactttc 1320
aaatgaattt gctttcaaaa taaatgaaga gcagctgtcc ttctttcctc ttttaagtgt 1380
tcagctgtgg catgctcaga ggttcctgct ggattccagc tggagcggtg tgataccctt 1440
ctttttcagc tgttcgtgcc ttcctttctt gtatccacca aagtggagac aaatacatga 1500
tctcaaagat acacagtacc tacttaattc cagctgatgg gagaccaaag aatttgcaag 1560
tggatggttt ggtatcactg taaataaaaa gagggcctgg gaattcttgc gattccatct 1620
ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1652

<210> 567
<211> 1291
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1286)
<223> n equals a,t,g, or c

<400> 567
tgaacctcta atagaactgt ctaaccctgg agccagtgga tccttgtttt ttgtgaccag 60
tgatgatgaa tttatcatca aaacagttca gcacaaagaa gctgagtttc ttcagaagct 120
actgccaggc tattacatga atttaaacca gaatccaagg actcttttgc caaaatttta 180
cggactgtat tgtatgcaat caggaggcat taatatcagg attgtggtga tgaacaacgt 240
tttgccacgc tccatgagaa tgcactttac atatgacttg aaaggctcaa cgtataagcg 300
aagagcatcc cgtaaagaga gagagaaatc caaccccaca tttaaggact tagatttcct 360
gcaagacatg cacgaagggt tgtattttga tacggaaaca tacaacgcgc ttatgaaaac 420
acttcagaga gactgccggg tgctagaaag cttcaagatc atggattata gccttctgtt 480
gggaattcat ttcctggacc attccctcaa agagaaagag gaggagaccc cacaaaatgt 540
gcctgatgct aagcggactg ggatgcagaa ggttctctac tcaacagcca tggaatctat 600
ccagggtcca gggaaatctg gagatgggat aatcacagag aacccagaca caatgggagg 660
cattccagct aaaagccata ggggagaaaa actactttta tttatgggca ttattgacat 720
tctgcaatca tataggttaa tgaagaagtt agaacattcc tggaaagctc ttgtttatga 780
tggggacact gtttctgttc atagaccaag cttttatgca gacagatttc ttaagttcat 840
gaattccaga gttttcaaga aaattcaagc tttgaaggct tcaccgtcta agaaacggtg 900
caattcaatc gccgccctaa aggccacttc acaggagatt gtgtcctcaa ttagccagga 960
atggaaggat gagaagcggg atttgctgac tgaaggacaa agttttagca gccttgatga 1020
agaagccctg ggatcccgac acaggccaga cctggtccct agcactccat cactgtttga 1080
agctgcttcc ttggcaacca caatttcatc ttcttcctta tacgtcaatg agcactatcc 1140
acacgacagg cctacactct atttcaaaca gcaaagggtt accttccagk tncaacattt 1200
taccttggga agggggggacc ttttacttgg accgttgggg cccaacattt tnggaagttg 1260

cagggtgaca ttgtttttgt ggtttngacg t 1291

<210> 568
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 568
gggaaagntg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc cacgcgtccg 60
gctttttatt ctgtggaagt aaaatcctga acgtttacaa ctttttctta acttgtaaat 120
aaaaaattgt aagtttttc ttttttaca gaaaacttag cttgtgtaat tctgttagtt 180
tcagatttct ctcctgtttt tgcaaattgt gggaaagatt gacaatgcaa atgtgtcaaa 240
gacatactgt tgggtgcaat attaacaatt ttaaatgcaa atttctttgg ataaattatt 300
tctatattct gtaaatctga gatttaatgt atattttgtt taaaaaaatg atttagtaaa 360
atctttgaaa agtatgatct tctaaagnat ttnaaaanaa aaaaaaaaaa aaaaaaaaaa 420
aaaaaaaaaa aaaaaaaaan aa 442

<210> 569
<211> 2084
<212> DNA
<213> Homo sapiens

<400> 569
tgctctgtcc cccttaacaa accagggggc atggaggggc ccagggcacc gccccccctac 60
caggctcagg ccctccaagg agaacctgct gagacccctg agcctgtcct agaccccgga 120
cccctgaccc ttcccacccc ttccagcgtc ccagggcgag gccttggaca gagctcctgg 180

tcctctgcag ggagaccatc cagcccaagc tctgggaggc acagtccatt gagtgggcgg 240
aggccgcggg tgctgagccg gggagggtgc tcggagtcca tccatccctc agacggcaag 300
tcccacaggg tccaacccac ctgaaacctg cctgcacggt ggaagtggtg gaggtggaca 360
ctcctagggg cttttctaaa gctagactcg cagctccttg ctcaggaaaa ttaaactatt 420
cacgtttcag atcaagtgtt gacagtcacc agtcaggagg agttcttaaa gagttttatg 480
ttgactgaat attgcacatt gagtccccat tgagtccctg gtgggaaaag tccacaattt 540
cccattgata gctttttact gttgtgaaaa agggaagcgt cagcacacaa aagcctgcat 600
gaccgctgct tcggagaagy tctcgaccct aactgcagtc actgttactt ggatcagatc 660
aagcgcagtg acttttggg attcagtggt tattctccac acttcgtagc catttcaacc 720
aactctgagc acaaaatgca gccatcctct atgcagcaag ccctgcccag tcagtgaccc 780
tactggacag atccaaggcc agccctgggt tccctgctgc agccaccgtc ctgacgttca 840
tcggagcagg ccggggctgg ccttcccggc acaagtggct gttctgacag gcccccagtt 900
tgtcccatct gaactgctgg gaggtttccg ggtggccaga ggagcaaagc tgccttccaa 960
gtgcctgtct gtgcctggga gaacagagca ggagcgtcgt gcggtccacc gcgcagtgca 1020
tggcgattcc aggcgctgaa caactcccct ggacccttgg gcctgcatct gactcccagc 1080
tgcagagtca gaagctgagt ccaggcaact gcttggccac tcccgatcgc tcctccctgg 1140
acacccggtt accaaagtca gcaaagaaga tgcggtaatc gccgcctgat ctccacatgg 1200
tgaacacaac actcccacca acacctcctt gactggtcgg tcttcagcac cgggggtggg 1260
caggcaggtg ttctgtgttg acragaattg cacaggctaa acacaaacac ggaaccagag 1320
tgagaacacc tcactcacgg sagcccaggc tgctccctac caggtgacgg agcgcgccgg 1380
ggctgtgggt gccaggggct gagtgctagg gactcgtcat gagtggggat ccccacgttc 1440
ctgtcactgc tgtcaaacag aaggtaaaca gtcttatgaa tgtatttcct taggaaaact 1500
tgtaaaaact tttattagga tatctattta atactgaact ttggcctact ttgtgataga 1560
ctataaacaa attgaggaaa tcactatttc tcacttctgt attttctcaa aaataatttt 1620
gttacagagt tcaatatact gtgtaccatt gatcttctat tgtgaaagca aagaatttca 1680
tcaaaatatt ttaaattatg agtgaaaatt gtgtatgtta attttgcagc tataatatta 1740
atcaaatttt gtgtaattct aatcacaaaa tgacgtgcct taagtgcccc tccagctgtg 1800
ggttggcagt gtccagacag ggagggccca tcaccgaaat cctgaacgat tactagacca 1860
attctattaa aaacatttca aggcattttg ggtgcaaact ttgtttataa aagagaaata 1920
tccacctatg agaatttaag gagacgtctc ctgtaggcag acatcgctct gcccaaaaat 1980
tagtactgac acatgcgtgt gtgtgcgcgt tgtgtgcgtg tgtgcgtgca cgtgctgttg 2040
ctgcccttcc tagctggtgt gaggaagccc ggacgcgtgg gtcg 2084

<210> 570
<211> 982
<212> DNA
<213> Homo sapiens

<400> 570
ggcacgagct tacagacgct gccagcatcg ccgccgccag aggagaaatg tctgaagtaa 60
gacccctctc cagagacatc ttgatggaga ccctcctgta tgagcagctc ctggaacccc 120
cgaccatgga ggttcttggc atgactgact ctgaagagga cctggaccct atggaggact 180
tcgattcttt ggaatgcatg gagggcagtg acgcattggc cctgcggctg gcctgcatcg 240
gggacgagat ggacgtgagc ctcagggccc cgcgcctggc ccagctctcc gaggtggcca 300
tgcacagcct gggtctggct ttcatctacg accagactga ggacatcagg gatgttctta 360
gaagtttcat ggacggtttc accacactta aggagaacat aatgaggttc tggagatccc 420
cgaaccccgg gtcctgggtg tcctgcgaac aggtgctgct ggcgctgctg ctgctgctgg 480
cgctgctgct gccgctgctc agcgggggcc tgcacctgct gctcaagtga ggccccggcg 540
gctcagggcg gggctggccc cacccccatg accactgccc tggaggtggc ggcctgctgc 600
tgttatcttt ttaactgttt tctcatgatg ccttttttata tttaaacccc gagatagtgc 660
tggaacactg ctgaggtttt atactcaggt tttttgtttt ttttttattc cagttttcgt 720

ttttttctaaa agatgaattc ctatggctct gcaattgtca ccggttaact gtggcctgtg 780
cccaggaaga gccattcact cctgcccctg cccacacggc aggtagcagg gggagtgctg 840
gtcacacccc tgtgtgatat gtgatgccct cggcaaagaa tctactggaa tagattccga 900
ggagcaggag tgctcaataa aatgttggtt tccagcaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaaaaaaa aa 982

<210> 571
<211> 872
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (865)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (867)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (870)
<223> n equals a,t,g, or c

<400> 571
gaagcaccct taggatacca ggaccctgtt tcccttcgga gaagacacac aaccatgacc 60
ctcagcctgg ggaccccaac tccaggccct ccagccccaa acctgcccag ccagccctga 120
aaatgcaagt cttgtacgag tttgaagcta ggaacccacg ggaactgact gtggtccagg 180
gagagaagct ggaggttctg gaccacagca agcggtggtg gctggtgaag aatgaggcgg 240
gacggagcgg ctacattcca agcaacatcc tggagcccct acagccgggg acccctggga 300
cccagggcca gtcaccctct cgggttccaa tgcttcgact tagctcgagg cctgaagagg 360
tcacagactg gctgcaggca gagaacttct ccactgccac ggtgaggaca cttgggtccc 420
tgacggggag ccagctactt cgcataagac ctggggagct acagatgcta tgtccacagg 480
aggccccacg aatcctgtcc cggctggagg ctgtcagaag gatgctgggg ataagccctt 540
aggcaccagc ttagacacct ccaagaacca ggccccgctg atgcaagatg gcagatctga 600
tacccattag agccccgaga attcctcttc tggatcccag tttgcagcaa accccacacc 660
ccagctcaca cagcaaaaac aatggacagg cccagaggst gaagcaaaca gtgtcccttc 720
tggctgtgtt ggagcctccc cagtaaccac ctatttattt tacctctttc ccaaacctgg 780
agcatttatg cctaggcttg tcaagaatct gttcagtccc tctccttctc aataaaagca 840
tcttcaagct tgtaaaaaaa aaaanantan aa 872

<210> 572
<211> 733
<212> DNA
<213> Homo sapiens

<400> 572
gcctgcgcgg actcccgcct tagtgggcgg agttgtgccg cgtctgatgc gcagttccct 60
ttatagcgcg gcaagccgaa tcctagaggc taacccggca ggtgggaggg agaaagttgc 120

tttctgcacc aatagctgag gcgttcaggg ttgtccaggg acgctaccct cacgtgtctg 180
gttccgagtg ctgcgttcgg ctgtgctggg aagttgcgta gacagtggcc tcgagaccct 240
gcctgcctga ggaggcctcg gttggatgcg aaggagctgc agcatccagg ggacaagatg 300
ccaactggca agcagctagc tgacattggc tataagacct tctctacctc catgatgctt 360
ctcactgtgt atgggggta cctctgcagt gtccgagtct accactattt ccagtggcgc 420
agggcccagc gccaggccgc agaagaacag aagacctcag gaatcatgta gaactggggg 480
gctttttctc ctgagcagag aggcccaagg catgctgtgg agagacttca cctgccacca 540
tttccaggtc aacaggacta gagcgttgat ggttttcaaa ccctgttgga agaaagtgcc 600
catggtttct ctggttctgc cagtttgaca gtttatggag gcttttgaat cgtaatagca 660
atgtgagggt gaggtacacc tacagacatt aaataatttg ctgtgtcaaa aaaaaaaaaa 720
aaaaaagtcg agc 733

<210> 573
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<400> 573
gctgactaca gggccgccgg caataaaagc ccaggagccc atttggaggg cctgggcctg 60
gctccctcac tctcaggaaa tgctgaccca tgggcaggag actgtggaga ctgctcctga 120
gcccccagct tccagcagga gggacagtct caccatttcc ccagggcacg tggttgagtg 180
gggggaacgc ccacttccct gggttagact gccagctctt cctagctgga gaggagccct 240
gcctctccgc ccctgagccc actgtgcgtg gcgnctcccg cctccaaccc ctcgcccagt 300
cccagcagcc agccaaacac acagaagggg actgccacct ccccttgcca gctgctgagc 360
cgcagagaag tgacggttcc tacacaggac aggggttcct tctgggcatt acrtcgcata 420
gaaatcaata atttgtggtg atttggatct gtgttttaat gagtttcacr gtgtgatttt 480
gattattaat tgtgcaagct tttcctaata aacgtggaga atcacaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaagtcg tatcgatgt 569

<210> 574
<211> 1718
<212> DNA
<213> Homo sapiens

<400> 574
agtaccatcc tcgaggactg tccacgaggg cctgaggaat caggagctga actccacaga 60
gtcagttatg attaatggaa aatattgctg tccaaagata tacttcaacc accgttgctt 120
ctcagggcca tatcttaaca aaggaagaat tgctgagctg cctcaatgtg taggacctgg 180
gaactgtgtt ctggtcctta gagagcctac aaacccagcc gtgtccttcg ggagctccag 240
ctggacaaag actctgtgtg gcacggatgt ggggaagtcc taaaagccaa atataaagga 300
aagagttatc gggctactgt tgagatagtg aaaacagcag atcgggtgac tgaattctgc 360
cggcaaacct gtatcaaact ggaatgctgt cctaacctct tcggtccacg gatggttctg 420
gataagtgtt ctgagaactg ttctgtactt acaaagacca aatacacaca ctattacgga 480
aagaagaaaa ataaaagaat tgggaggcca cctggtgggc atagtaactt agcttgtgcc 540
ctgaaaaaag ccagtaagag gagaaagagg cggaaaaatg tttttgttca taagaagaaa 600
cgctcctctg catctgttga taatacccca gcgggctctc cccagggaag tgggggtgaa 660

gatgaggatg acccagatga aggggatgat gattccctaa gtgaaggcag tacatccgag 720
cagcaggatg agctacagga agaatcagaa atgtcagaaa aaaagtcatg ctcctcttct 780
cccacccaaa gtgagatatc cacatcgctg cctccagata gacaaaggag aaaaagggag 840
cttcgcacct tttcattttc tgacgatgaa aataaacctc cttcaccaaa ggaaataagg 900
atcgaagttg ctgaaaggct tcacctggac agtaacccct tgaagtggag tgtggcagac 960
gttgtgcggt tcatcagatc cactgactgt gctccattag caagaatatt cctagaccag 1020
gaaattgatg ggcaggccct gttgctcctt acccttccca ctgttcaaga atgcatggac 1080
ttaaaattgg gccctgccat caaactttgc catcacatag agaggatcaa gtttgctttt 1140
tatgagcagt ttgccaactg agaaggacaa ccaaagtgag ctggatcttt gaagcacaaa 1200
tgcagcaaat ccttcaccct gctttataag tggagctgga atagtcctgg ggctctgggg 1260
cctgcaggta tcagcttgct ctctttgcac tttcggggaa ggaggactca cagtgaggaa 1320
gcaaaaactg tgcacagaag tggatcacct gctggtggaa atgtggacat ctcttgttca 1380
gcagatggca gtttttaaaa aataaaggtt gtgaggaaaa gacttatata agaagaaaag 1440
catttccagt ggtgtggcct gaaaacaaag aataacctag gctgctggaa agcacccttt 1500
tggttgtttt cattctgttc cctcccattg tagattgaac tttgttctct gctttctttt 1560
tcttggaaag agaggactta gctttaagtc agcactgatt tgggactgtt cctaaggcat 1620
atcagtgctt cattgtcatt gtgtttttaa acttttaaa attaaaacag ttcattttgg 1680
ggatgaaaaa aaaaaaaaaa aaaawraaag tcgacgcg 1718

<210> 575
<211> 1544
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1544)
<223> n equals a,t,g, or c

<400> 575
agtgggatcc aaagaattcg gcacgagggg attaggtaaa agtcttgcag tgaaaaaccc 60
gaggaccctt accgcaagtg tcttttgctc ccagctactg atactggatt ccactcgtga 120
ttctcccttt cttagcgcat tcatgatata gacatcagtc tctgagctgg aggaggacaa 180
aggcagcggt cctgtgaatt ctatgctcta gcttgggtta agggatttgg aattgcactt 240
gtttcagaga gctccctctt tgcccactag cagggcatta gctggtgctg aagacagtgg 300
ctgcttggcg agcctggatc tccaagtgac cccctcagca actcctgatg aacaggactg 360
aagccaatat taaagcaagt caaccaaagg ttctctggtg tagacaagac agcaaaagga 420
cagactacct tgtggaacct agcattgttc tccttctgca gcactaagta ctgtgtgcag 480
aaatgtgatt gagattcaag tcagggcctc tctgcccttt tccctccaga aacaaaacca 540
agataattta tcctgaacac ggtgaaaaaa ggaagggagg gaggagaaaa agtccgggtc 600
tcacctggga ttctctgtct cctgcaacat gaaggattta gcctgggagg aggtggtgag 660

aactctggga gagaaaaaag aaggaaagaa tagttttacc catgctgaag ttaatttaaa 720
ccttcaccta gagaagcaaa aaaaaaaaac ccacactttc ccattttgtg cctcccttcc 780
tagagtttta gccaaaggtt tagctaagta attggtttta ccagcgcact cactcctcct 840
atcccaagtc tgtttgactc cctccccatc atcctcctca cctcttttca ggcagggtgg 900
ggatagcagc aggaggagat tttgggagcc tggcaactcc tgcaaggacc gcaggacagc 960
ccctctgtgg ggatgcgtgg tgccccatct gccgcccttc tgaagaatgc actgccttca 1020
ctttttactg tgttagagtc catccagact gttctatcca aaaaagtttc tttttccccc 1080
acaggcaatc aggaaatgat tcctttcccg actgcttctg tctagtgcct gggaatcttg 1140
agtcaatccc tcagtaagtc agtgactagg gaaatccctc tctgagcctc ccagttcatg 1200
ttgcttaggg aacctgatat tttcgtgaaa cctgcctaca catgggcagc ccaacagcag 1260
aacaaatggt ggtgaccaaa gtgaacaaag aagtatagtt gtgccagctt cgtagttgcc 1320
catgtggaca agtcagcagg atcaggacac gaggaagagt aaatgtgaga cagtcaatgt 1380
gacttctgcg ataaacagat ttttaaaccc cgaaattttg caaaattttg gtgaaacctg 1440
aacttttcttc gttgcatata ctggcactat ctgtaccatc atacaactgt ctcacattaa 1500
agctattttt cttgggcaaa aaaaaaaaaa aaaaatgnna aaan 1544

<210> 576
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<400> 576
catcagttct atttaatact tatggcaatt aagagattta gaaagcagag gaaaagacca 60
aaaaaaaagt atgngttaca aagtgtcatc atgcttgtag gaccccagca ttcttgaaac 120
taacgcacct ttaaaaagta atatttacac tgctgtaaat atttgcaaag tatcaatgtt 180
taattcactt agaattttaa ggattatgga tttactagcg aaaattcccc taaagcaact 240
ttcccatatc agtaacttttt atttagggaa acaagtttaa tgtacataat acatgtgacc 300
ttggaattca atagaatttt cgaaactaga agtaactcag aacrttcact agatggtttt 360
aaagtcyttt ttgatactgt ccytaacatt tgcytatttg cmaattaata tgtaagaatg 420
rgtcyaaaag taagttttag gaatggttat tcgacaaaga tgttattcct attaccaata 480
ctgcgaaatg ataattacag aaacaatgtg ggatccgttt tataacttca aatttaagtt 540
cctttgtact ttggagcaga aaatgtaaga aatcgaaatc aagagttagt atttttatc 600
tttcaggctg gctttaactg ttcatacacc tagcaaaata aacatttgtg aaaggcgtta 660

<210> 577
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO___0122920A2_I_>

<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<400> 577
aaatttactc cccagtacaa aggtgtctnt tgatcacagt aacccatagt cccccactgg 60
ggggacggtg ggggaagact ttgggaggat tttacccaga atacttgccg cctgcttttt 120
gtcctccagg aaaccagaag cccgggtaat taggacaaag ccaaaggccc cttgttagct 180
ggccatccct gccccatttt ttcccctggt cctttcccct gtggccacag ggaagtgtgg 240
cctgaatacc ccaccccggc tcctctgcac ccagagctgg gggccacctc agaagtgtca 300
tctctctctg agcacgcatt cccctgcagc antcgaggaa tgagcagatt gagtgatgct 360
ggggcagaga ggcctgggag gaaaggtgtt cagccagtcg tttgtaaggc gctcgtcggc 420
acctgctgaa acgcccccac ctgacagccc catcctcaaa gactgtctta attactcatg 480
gcaaggttct agagacttaa ggggaaaagc tgctttaagg ccaccacatg tntgtgctcc 540
ccaaccagtn tatctggctt ggggntcatt ttgg 574

<210> 578
<211> 939
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<400> 578
aattcggcac gagccaaagt gcagggatta caggtgtgag tgagccaccg cggccggcct 60
ctatcatttt ctgactcagc agctncacca aaattgacat cctagcaaac actgtgaagg 120
aattaaccta agtgcttcca gagcatctca tgtaacctct atggagtaag tcacttttc 180
tgtaacatgt ggcttttgac cttgatgaag actttgactt ctcatccctg tctacatgga 240
ggaagatgat tcagtggtgg ggaaaatgaa cctcggtaac atttccaatg tccttcaaga 300
gggaaacaag ttcagtgtta tcatcgtggc attcgttagt tttttttttt taaatcactt 360
gtttagatac aactttattt ttttatacct acatagcaca tgactggggg gataaagcat 420
gtataagttg ggagagggta aagaatgtgt gactatgtat acagaaaata gactaaaatg 480
tgcagcaaaa tgatatatac tgtaatctgg tttttgaagt atctactatt ctggaatatt 540
gttaaacaac tttttgcttt tgaaaaaaaa aggtgccttg attcagttgc gtgacttaga 600

acattcatcc tattttattg tgatttttaa tgtcttctga ccccaaactg tgtttttggt 660
tgcagtctgg cggctgcagg catagcgtcg gttttgttcc aataacagag accaaagagt 720
taatcagata tggttcagct gctacaattg tatgattcaa aggcaattta atcaccccaa 780
atttccatgg cccccacagt caagacctgc cattcgtttt ctcttgcagg ttggagtaaa 840
tttgcacttt gaatcatgtg ggtcatttgg ggaccttgtt cttttctatt ttgctttatt 900
aataaaggaa cttgtagaaa aaaaaaaaaa aaaaacact 939

<210> 579
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (778)
<223> n equals a,t,g, or c

<400> 579
cacccagccc ggagatacca tccaccagaa cctgngccat ggcctattag tcctaaagnc 60
agttgtcaaa gcagggctgt acgtcgggat tcgggaaatt caccagcgtc cgcaacctca 120
gtccctcaag gccatacctg gacccaacgg tgaagaaaga cgatgaggag gaggacccgc 180
tggaccagct gatctcccgc tctggctgtg ctgcctccca ctttgcagtg caggagtgca 240
tggcccagca ccaggactgg cggcaatgcc agccacaggt gcaggcgttc aaggattgca 300
tgagtgaaca gcaggcgagg cggcaagagg agctgcagag gaggcaagaa caagccggtg 360
cccaccactg agaccccaaa ccacctatcc ccagtagatg gccctgccaa gaccagcacc 420
cagcaagatt atagaggaag aaatcctaaa tgctggtgtg ggaggtctaa aacatgggga 480
gagtttttgg atctggagtt gagagccatg ggtttggaca tgactggcac aaacagctgt 540
catatgttca tggtcagatg tcatacattc tcagctgtct tgttccacca gtatttacca 600
ggaaaacaaa gaatgtgtta agggatgctc ccccacccca catcttaagt cagtgtgcca 660
agtactgaga tgattttagg gacattttat tttaaattaa atttacaatc taatggtaaa 720
ttgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gggggggn 778

<210> 580
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<400> 580
gcgcttcaca gcttcctcct cgtctgggat ggtgcccaaa ttgccagctg gcaaaatgaa 60
taaccgtgat ctcaaacccc agcctgatat agtcttgctt ccgttgccca ctgcctatga 120
gctagacagc accaaactga agagcccact aattacttcc cccatgttcc gtaatgtgcc 180
cacagcaaac cccacggagc cgggaatcag acgggtyccg ggggcctcar aggtgatccg 240
ggagtcgagc agcacaacag ggatggtcgt cggmattgtg gctgctgccg ccctctgcat 300
cttgatcctc ctgtacgcca tgtacaagta caggaacagg gacgaggggt cctatcaagt 360
ggacgagacg cggaactaca tcagcaactc cgcccagagc aacggcacgc tcatgaaggg 420
agaaagcagc ananctcgaa gagccggcca caagaaacca gaaaaaaccn tgggacaggg 480
gaagtattta acgtggtaaa accattggcg aaaccaactt gggttcaaca accgccnaag 540
tttttttca ccaagggtta atttttcctt aattcccaac gggcccttta tttgaaaaat 600
cctttttgg ggaaccnggt tggaaa 626

<210> 581
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (608)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<400> 581
gcttggatta tatctaaatg gattatttgt taaaagtact gaaatgagta taaggcagta 60
tcacccatcc aaaagaaagg tctttataga cctgcacagt cactagatta attcattaaa 120
atgcccccac cctgatgtaa ttgacattac atttcttaac attttaaaat ctagaatttc 180
taaaatggaa tttaatgcca tcacaatttg aaaaactttt ttttttttt tactatagaa 240
gttacaaagg aagttctaaa attatgcctc cctctgtttt tataagttgc catcgaaaag 300
tgatttaaat aagcaggtta tctttataga ttttaaagaa aactagaaag ttytaatgtt 360
ttaacttggg gaaaaataca tctctttaat gtttagcatg cttgtcaacc ttgagtgagt 420
gtcattttta agaacagttg tagcccttct gattattgca gtagctgtag aagtatgtaa 480
gaatatgtga tgggtgtagt cattagcaaa gcatttaaat cacttgagta ttttgtcatg 540
gktcattatt attaaagcac aaaataacct attgttagaa aatatgtgtt ttatnaatga 600
atgnaaanta attaaaaaaa naaaaaaagg ggcggccggt ctaga 645

<210> 582
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<400> 582
gggagggtat ggggcacact tccccaaggg cggacccagc aggaggaagc ccaggagctg 60
ggtcctgccg cccaggagct gggccctgcc acccaggccg ggctagggac atggcagggc 120
ctgggcatcc tggcgctgga cttgggcgac ctgggaggca cagggagggg agagatgggc 180
ggccccgccc cagcgcagtg ccggccacac ccatgcaccg aagctcctcc ctgccacacc 240
ccaaggcggt tgccggagct taagccccgc ccccagcagc gagaacatcc cacccccccac 300
ccccctgcag ccagtgctcc ttgtcaagct ccccccgtna ctccagtggg anccaccccg 360
gngaggggg 369

<210> 583

<211> 1269
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (719)
<223> n equals a,t,g, or c

<400> 583
gcggacgcgt gggcggcggc gtycagggtc ggcagcaacc gcagscgagc ccgagcgggt 60
ggcggcgcca tggcgtgcgc ggggctgctc accgtgtgcc tgctccggcc gcccgcgccc 120
cagccccagc cccagacccc gcggcacccc cagctcgcgc ccgacccggg gcccgccgga 180
cacacgctct tccaggacgt tttccgcaga gcagacaaga atgatgatgg gaagctctca 240
tttgaggaat tccagaatta ctttgccgat ggggttctca gcctgggggа gctgcaggaa 300
ctgttcagcg gcattgatgg gcatctcacc gacaatttag aaacagaaaa actgtgtgac 360
tacttctcag agcacctggg tgtctaccgg ccggtgctgg ctgcattgga atcgctgaac 420
cgtgcagtgc tcgctgccat ggatgccacc aagctggagt acgagagggc ctccaaagtg 480
gaccagtttg tgacrcgctt cctgctgcgg gagacggtga gccagctgca agcccttcag 540
agctcgctgg agggggcgtc agataccctg gaggcccagg cccatggctg gcggtcagat 600
gcagagagcg tggaggcgca gagcaggctc tgcggcagcc ggcgggcagg acgccgagcc 660
ctgaggagtg tcagccggtc atccacctgg tcccccggct cttctgacac agggcgcant 720
cagaggccga gatgcagtgg cggctccagg tgaaccgcct ccaggagctc atcgaccagc 780
tcgagtgcaa ggcccccccgg ctggaacccc tgcgtgaaga ggacctggcc aaggggcctg 840
acttgcacat cctcatggcc cagaggcagg tccaggtggc agaggaaggc ctgcaggact 900
tccaccgagc cctgcgctgc tatgtggact tcacaggggc ccagagccat tgtctgcatg 960
tgtccgccca gaagatgctg gacggtgcct ccttcaccct gtatgagttc tggcaggatg 1020
aggcctcctg gagaaggcac cagcagtcgc ctggcagcaa ggccttccag cgcatcctca 1080
tcgaccactg cgggccccgg acaccctcac cactgtgttc ttcccagcct cctggtggat 1140
aatgaataac aactgagcca gacctgcaca cgccgagggc cccgggaccc tgcctgcctc 1200
tgaaccccag gtgggacccc agcacagagg caataaaggc agtggtccct tccaaaaaaa 1260
aaaaaaaaa 1269

<210> 584
<211> 1943
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1177)
<223> n equals a,t,g, or c

<400> 584
gctgatccag aacgtcaccc agaatgacac aggattctac accctacacg tcataaagtc 60
agatcttgtg aatgaagaag caactggcca gttccgggta tacccggagc tgcccaagcc 120
ctccatctcc agcaacaact ccaaacccgt ggaggacaag gatgctgtgg ccttcacctg 180
tgaacctgag actcaggacg caacctacct gtggtgggta aacaatcaga gcctcccggt 240
cagtcccagg ctgcagctgt ccaatggcaa caggaccctc actctattca atgtcacaag 300
aaatgacaca gcaagctaca aatgtgaaac ccagaaccca gtgagtgcca ggcgcagtga 360
ttcagtcatc ctgaatgtcc tctatggccc ggatgccccc accatttccc ctctaaacac 420

atcttacaga tcaggggaaa atctgaacct ctcctgccac gcagcctcta acccacctgc 480
acagtactct tggtttgtca atgggacttt ccagcaatcc acccaagagc tctttatccc 540
caacatcact gtgaataata gtggatccta tacgtgccaa gcccataact cagacactgg 600
cctcaatagg accacagtca cgacgatcac agtctatgca gagccaccca aacccttcat 660
caccagcaac aactccaacc ccgtggagga tgaggatgct gtagccttaa cctgtgaacc 720
tgagattcag aacacaacct acctgtggtg ggtaaataat cagagcctcc cggtcagtcc 780
caggctgcag ctgtccaatg acaacaggac cctcactcta ctcagtgtca caaggaatga 840
tgtaggaccc tatgagtgtg gaatccagaa cgaattaagt gttgaccaca gcgacccagt 900
catcctgaat gtcctctatg gcccagacga ccccaccatt tccccctcat acacctatta 960
ccgtccaggg gtgaacctca gcctctcctg ccatgcagcc tctaacccac ctgcacagta 1020
ttcttggctg attgatggga acatccagca acacacacaa gagctcttta tctccaacat 1080
cactgagaag aacagcggac tctatacctg ccaggccaat aactcagcca gtggccacag 1140
caggactaca gtcaagacaa tcacagtctc tgcgganstg cccaagccct ccatctccag 1200
caacaactcc aaacccgtgg aggacaagga tgctgtggcc ttcacctgtg aacctgaggc 1260
tcagaacaca acctacctgt ggtgggtaaa tggtcagagc ctcccagtca gtcccaggct 1320
gcagctgtcc aatggcaaca ggaccctcac tctattcaat gtcacaagaa atgacgcaag 1380
agcctatgta tgtggaatcc agaactcagt gagtgcaaac cgcagtgacc cagtcaccct 1440
ggatgtcctc tatgggccgg acacccccat catttccccc ccagactcgt cttacctttc 1500
gggagcgaac ctcaacctct cctgccactc ggcctctaac ccatccccgc agtattcttg 1560
gcgtatcaat gggataccgc agcaacacac acaagttctc tttatcgcca aaatcacgcc 1620
aaataataac gggacctatg cctgttttgt ctctaacttg gctactggcc gcaataattc 1680
catagtcaag agcatcacag tctctgcatc trgaacttct cctggtctct cagctggggc 1740
cactgtcggc atcatgattg gagtgctggt tggggttgct ctgatatagc agccctggtg 1800
tagtttcttc atttcaggaa gactgacagt tgttttgctt cttccttaaa gcatttgcaa 1860
cagctacagt ctaaaattgc ttctttacca aggatattta cagaaaagac tctgaccaga 1920
gatcgagacc atcctagcca aca 1943

<210> 585
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<400> 585
caccggtccg gaattcccgg gtcgacccac gcgtccgggc tctgaaggag gttttcaagg 60
agtatttgat tgaactgngn nngttgcaac actttcaagg gaacatgatg gatttcttag 120
ctttcaagga gagactgtat ggaccattac aagcatatct taggcagaat gatttggaca 180
ttgaagaaga ggaagaggag cactttgaag tcattaatga tgaggtaaag gttgtggcca 240
gaaagcacgg gcagcctggg actcctgttg ccatagcaac ccasstaccg ccgaggactt 300
ctgcggcttt tccagcccag cagcagccgc tccaggtact ttctgatggc tccacagtgc 360
agctccccag actttcctca ctcggatttg aggactcgat gtgctgaggc akgacccaga 420
ggggtcccaa gagcctgtcc tcttttgttc aaaatacatc ttgaaacgtc tttgtgaagg 480
ctcttagttt taatgcatgg atgctgttat ttttccctac tgttactgaa attaaaaagt 540
gtttgtctct gaaaaaaaaa aaaaaaaaaa aaaaaaa 577

<210> 586
<211> 1240
<212> DNA
<213> Homo sapiens

<400> 586
gctcgtgccg cggccccgcc cgcgtcagct ctgcgcggtg attcactccc tccttcgccc 60
cggggccccc ttcccggcca gacggcgggc aagacagctg ggtgtacagc gtcctcgaaa 120
ccacgagcaa gtgagcagat cctccgaggc accagggact ccagcccatg ccatggcgga 180
ttctgagcgc ctctcggctc ctggctgctg ggccgcctgc accaacttct cgcgcactcg 240
aaagggaatc ctcctgtttg ctgagattat attatgcctg gtgatcctga tctgcttcag 300
tgcctccaca ccaggctact cctccctgtc ggtgattgag atgatccttg ctgctatttt 360
ctttgttgtc tacatgtgtg acctgcacac caagatacca ttcatcaact ggccctggag 420
tgatttcttc cgaaccctca tagcggcaat cctctacctg atcacctcca ttgttgtcct 480
tgttgagaga ggaaaccact ccaaaatcgt cgcaggggta ctgggcctaa tcgctacgtg 540
cctctttggc tatgatgcct atgtcacctt ccccgttcgg cagccaagac atacagcagc 600
ccccactgac cccgcagatg gcccggtgta ggcgaacttc cctcatttct ctctgcaatc 660
tgcaaataac tcctccattg aaataactcc tccccacccc aacaacaaca ttcccagcag 720
accaactccc acccctctt tgaggtaaaa gtgcctttat tgggagactt ttgtcttcca 780
gcctgccaat caaccctcct gggtgtggcc accatatgtg tgtgcctagg tcctccttct 840
gcacgatcca ataggagaca ccagttctga ctgaaccatg cccccaccta agtcacaaaa 900
tgagggaagt ggggagttag atttcagagt ccaggcccta ggttgggacc cactccaaat 960
aatctcctcg gtgtgggtgg tggttctata gagggataaa tgaataataa acattgttaa 1020
aatatacgat aatgaataaa gtaatccttt catcaaatgt gggtaaattt caagcatcag 1080
gaggggggaaa tggagtggaa acagctgggg caaggaggca aagaagccag gcctgtttta 1140
caacaaatat taaattactt caataataca aacgagaggc ccggtgcggt ggctcatgcc 1200
tgtaattccc agtcctttgg gaggctgcgg gaggattgct 1240

<210> 587
<211> 875
<212> DNA
<213> Homo sapiens

<400> 587
ggaarggttg taggacttaa tcacgtttca gcttggctgt cgggctgtga gtcacggttg 60
cactgcgatt atgtaagcac gcaggaatag gtggcatgac atatatgctg ccagcagcca 120
cgggcctcgc ccttccgagt caccactact ttttaagcct ttttttggat acaagtttct 180
ttgggttcat ctttgraatg raaatgraag catgattgca gaataggcag amcaggaatt 240

atccatcaat cagagagamc ccagaccttt aagagaagct ggaattagaa tatggaattc 300
ctgagccttg agctggcata gccgagccct ggtttatgct cttcctgcct ccctcctttt 360
ttccctcctg cctgtgtgct ccacttcctc tcctgagact cccccaaggt agcatcactc 420
ccaccaggag ccttaggcag gaaaagtaag gcccagagaa gggactgtcc ctggggacgt 480
gcactgagtg tgtgtgaggg tgcggggcag gaataggagt gccaggagtc tacctctgga 540
gcaatgcctc ccacagtatt tctgtagggg aaaggataga aactcacttc ttgggttcct 600
ccaatcacca tgcacatgtc agtccttcag ctatcaatgc aaaggaaacc cagaactgag 660
atttgagctt tctcaccatc tccatggtca gatatctcca ctgccaaagg gttcattccg 720
cctctgggtt tatctctttc ttcatgcttc ttcctggcag tgtcctgttg aagcttacct 780
tcccatctgt gtttgcatcc actccctaaa aactacaaga caaaaaaaaa aaaaaaaaac 840
tcgaggggggg gcccggtacc caattcgggc tatag 875

<210> 588
<211> 1517
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<400> 588
gttgagtctt tgggtgtgct tttaatggtc tctctgcctc ttccttaggt gtcaggctgc 60
tctacctgtt tctagacgct cttccctttcc cccttccaaa cctcttttct tccttgctgc 120
tttcctatct tctgtggcta gganatcagg taatcaagcc tgtgttttct gtaatgagta 180
agtgggttgc cagcgaggtc tctgtggatg ctcctgtgag tcaagtgcat gagctttagt 240
gcatggactt tggggtcttg gttcccacag cttatatgtt ttgggggctg ctttcttgct 300
ctttacccac attctgtgtc atgagtgtgc cgggtaggtg gcctcctgcc cgatggaggc 360
tgagcatctt ggcagtgtcc atcatgcctt gcgtgtgcct ggcctctttg ctgcagatac 420
tatggacccg cagctcatcc cctgctcacc acctggcctc tccttttctc tgtgtgcaga 480
tctggcagtg tggtggggtt ctggaaacac acccatgttc ccatgttggc catgttttcc 540
ccaagcaagc tccctactcc cgcaacaagg ctctggccaa cagtgttcgt gcagctgaag 600
tatggatgga tgaatttaaa gagctctact accatcgcaa cccccgtgcc cgcttggaac 660
cttttgggga tgtgacagag aggaagcagc tccgggacaa gctccagtgt aaagacttca 720
agtggttctt ggagactgtg tatccagaac tgcatgtgcc tgaggacagg cctggcttct 780
tcgggatgct ccagaacaaa ggactaacag actactgctt tgactataac cctcccgatg 840
aaaaccagat tgtgggacac caggtcattc tgtacctctg tcatgggatg ggccagaatc 900
agtttttcga gtacacgtcc cagaaagaaa tacgctataa cacccaccag cctgagggct 960
gcattgctgt ggaagcagga atggataccc ttatcatgca tctctgcgaa gaaactgccc 1020
cagagaatca gaagttcatc ttgcaggagg atggatcttt atttcacgaa cagtccaaga 1080
aatgtgtcca ggctgcgagg aaggagtcga gtgacagttt cgttccactc ttacgagact 1140
gcaccaactc ggatcatcag aaatggttct tcaaagagcg catgttatga agcctcgtgt 1200
atcaaggagc ccatcgaagg agactgtgga gccaggactc tgcccaacaa agacttagct 1260
aagcagtgac cagaacccac caaaaactag gctgcattgc tttgaagagg caatcatttt 1320
gccatttgtg aaagttgtgt tggatttagt aaaaatgtga ataagctttg tacttatttt 1380
gagaactttt taaatgttcc aaaatacccct attttcaaag ggtaatcgta agatgttaac 1440
ccttggtatt tagaaaatta aaaccttata atatttttct awmaaaaaaa aaaaaaaaaa 1500
aagggcggcc gctctag 1517

<210> 589

<211> 871
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (863)
<223> n equals a,t,g, or c

<400> 589
gggagcggag gncaggaacc caataagctg cttcgcctcg gagctgaagc ccgtactcaa 60
gatggcggct ccgggcgggc gtggccagtg actagaaggc gaggcgccgc gggaccatgg 120
cggcggcggc ggacgagcgg agtccagagg acggagaaga cgaggaagag gaggagcagt 180
tggttctggt ggaattatca ggaattattg attcaractt cctctcaaaa tgtgaaaata 240
aatgcaaggt tttgggcatt gacactgaga ggcccattct gcaagtggac agctgtgtct 300
ttgctgggga gtatgaagac actctaggga cctgtgttat atttgaagaa aatgttgaac 360
atgctgatac agaaggcaat aataaaacag tgctaaaata taaatgccat acaatgaaga 420
agctcagcat gacaagaact ctcctgacag agaagaagga aggagaagaa aacataggtg 480
gggtggaatg gctgcaaata aaggataatg atttctccta tcgacccaac atgatttgta 540
actttctaca tgaaaatgaa gacgaagaag tggtagcttc agccccagat aaatctttgg 600
aattggaaga ggaagagatt caaatgaacg acagttcaaa cctgagttgt gaacaggaga 660
aaccaatgca cttggaaata gaagattctg gtcctcttat tgatatacct tctgagacag 720
aaggttctgt ttttatggaa actcaaatgc tgccttagaa atcactccta gatgaaatgt 780
ttctcataat aacttgtcaa gaacttttta gagttgttac ataaaaataa ttgctgtgta 840
aaaaaaaaaa aaaaaaaaaa aanaaaaaaa t 871

<210> 590
<211> 1566
<212> DNA
<213> Homo sapiens

<400> 590
ctttcatact acccttttagt cataaggaga aaaaaacact caaatagtag aagcagcaag 60
tagcaaactt caggagagct actttctatc caaataattt aaaaaacact tttcacctac 120
tcctttcatg gttataacac attggcagac tttttgctgg ctctgggagc catgatttta 180
atcacattct gcaaggtgac aaatgtcata cattccacat tgtgtggtag ccatctcttt 240
agactcatgt gttttgggga aaggaagaag ttcttggctg agtactattt tgaactttcc 300
agaaccctct cacaccagag acagttcttc tctgttcagt ttccaatccc cgataatttg 360
ctaaaataac attgtacatc caagagaggg aagaagagta tgtcagtata ttatgcagaa 420
gatagataca gccttttcag aagatctcca ctagtttttg ttccaaaaat tcaagtttat 480
gggagaaatc tcaattagcc acctttttcac agttgtgtgg atataacatt tgggggatct 540
ttctggactc ctacctatct gtgcatttta ccggcacctc aggaaaggag ggtgaccagg 600
ttgtcttagc ttgtactgct tggtgatctc tgaggacctt ctaattcagt tgtaccccag 660
tgttccatgt atagaaaaac ttcattagaa caaactttac ttgatatgaa actcctatta 720
acagtctttt tttgaaataa aaagtagctt gagctttctt ttaaaatcat gtatcttgat 780
tgttgattta atgaaggatt tccttttaat gctgcttttg agcttcaagg taataggaca 840

gcaggaacct aaaatatctg ccatcatctg ccataggaaa gatacccaga gacccatcat 900
gttctctttt tgttgttaca ctgttgggtg ggtataacaa ttggaaaatg aacaaactga 960
ttgattgtgc aaactacttt ttatgacaag cctaaaccct cataatgcgg cagcttaaag 1020
tgtatacata tgcactaact ttgatcaatt atattctcat atctgttagc tacacagtct 1080
cctattatct caattgctta tgtgcatatg gaatatgtta cttaaaacgt gtgcattctt 1140
actgaaaatg ttttcaaagg aaggtatcag ctgtgggcta attgccacca atttcagcct 1200
gccacgattc ttggaaatat gtcttccaag tgccatccat catcagtagg acaagtgtcg 1260
ggagtttgtt tatttttttc cagtagcaac gatgggttac atggagccat gaaacctcct 1320
tctggcctcc cttgtgatta atggcatgtg tttgtaaaat ggatagctgg ggttggcaga 1380
tggctagaga agaatcgcct ttggtttaaa atgtatgtgg tcccctaatg attgtgaccc 1440
cattctgtaa tcaactgagc tagttccaat aaagttaagc aggtttaaat ccactttgtg 1500
cctatctttt cactgacaat aaagttagct attttaaaat gcaaaaaaaa aaaaaaaaaa 1560
aaaatt 1566

<210> 591
<211> 1192
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<400> 591
accttgagtg tccttggcaa cctagccttt gacattgatg tttttccata ggattttctt 60
catttgggtt ggaataaaaa tgcattttta ttcacaaggc acagacagat aagaatatca 120
taagcaggga agtgtctcca aaggtcagga cttatgtttt tctgttgagt gctatatgtg 180
gaggttattg caagttccct gatatgagta tggtttcgct tgctacattg tgcctattaa 240
agtaaaattt tacacaagcc tcgcatttct aagattagtg ttcccgaatg aaatgttnaa 300
gaaaacatta aaagattatc tctttttaag atggaggaaa aaaagtgaac aaagctaatt 360
aatctataat gaaaattgca caaaataaca tttcttaaca aatttaatac aattttgtgt 420
tctttgttgc tagtggtata aaacgagatt tttttccctc atttttctca ttgtagatgt 480
catctctcac atttatatca gtgaggtttg aaattctgtg tagcagttac tcagcacata 540
tgagagggca gcgaatgaat gagatttgtc atgtgctaat aaaagctgaa tttttgtaat 600
ctaaaatgat gtattttcta ctattgctgt taatttgcat tgttaaaaat tcttaaagtt 660
taatatgtta tgttcagtca ttgaaagcga ccactcattt ttttcttaaa gttgatgcct 720
tttctgctgt gctagagtca gtattttgct tctggcagga gagctgcaaa ctgtgtatcc 780
tcaaacagat gcaaaaagta gtgctttgca aaacgtttgt tttctgttta tctcagatta 840
acatccttta atacaagttt cttaagtgta acttgtattt ctgaaaatgc ttaaaattat 900
tttatatttc cctttgggaa tttttctcta tttccagcac gctgatttga tttaaaaatg 960
taataagacc aagagttgga gtaaagggat attcattcca tgttaaaagt ggcttcatag 1020
ctactgacaa atgtctgaac tattgtcgtg cccttcaaaa ctggagtttt ctaaaataat 1080
cttattttta tacttgtatg ttccagcaat ttaagatata taccattgaa agggaaataa 1140
aacatttttg tttatttgaa taaataatac tcccaaaaaa aaaaaaaaaa aa 1192

<210> 592
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<400> 592
ttatttggaa gacattattt gtggaacata atggcataac atttacatac gttcacctwc 60
tgactttgag tatgaatgtg taggttgtgt atatgtgtga atatatatac accacgatgt 120
cattctaagt gtttggaaat aactgttcat acatgtrgtt taccttcttc cttggaatta 180
ctatcttgta atatggcatt aaagaattat cccatctctn aagtcctttg cctgggaaac 240
atggtgaact ggaggatcct tacacattct gtgtgaccag ctattaaaca gaatgaggac 300
taggtctctc tgtcactgac ttgggaaggt aatgaaatgt tcaggcaacc agtattgaca 360
ncttgcagct tttgccccgg ttttgtttcc caggtgattn a 401

<210> 593
<211> 654
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<400> 593
gtccggctta ccttttataa cttgaatgtt aaggaatgga ccatgggcta ctactggnca 60
ttagtgccat ntaaccagcg ataataaaat tctctattag tctgttaatt tatgaccatg 120
atctcggaat ggaaaaagat catttccaga gtgtgcgaaa taatagtctt taaccatgta 180
attaaatatg tgtgtttatt gtcaaataag gatttgtttt aaaggtgatt cttgggtttg 240
aagacatttg ttaattcatg gtctgtacag aaatgaagct ggttgcaata ccaatctaga 300
gagtccaagc tggcgaacta ttaagctgtt taaagatcac ccttggcctg gcacagtggt 360
tcacacctgt aatcccagca ctttgggagg cctaggcagg cagactgagc tcaggagctt 420
gagaccagcc tgggcaacat ggcaaaaacc cacctctaca aaaagtacaa aaattagtcg 480
ggcgtgatgg caggcatctg tagtcccagc tacttgggaa gctgaagtgg gaggatcacc 540
tgganctctg gatgtggaag ctgncatgag ccatgatcgt gccactacac tnnagcctgg 600
gtgacagaat gagatcctgt ctcaaaaaaa aaaaaaaatc acccttaaat caac 654

<210> 594
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (673)
<223> n equals a,t,g, or c

<400> 594
tggaaggagc agcagttttg caaggtaagc agggcagaga cacagcccat ggcccctcat 60
tgccctgctg gtaagggctg atggarctcc ccgcagcgtg gttcctgcct ggktgacaga 120
ggctcctktg gccactttag aartgcggtt tactcctcat gccgagatgg accttgggca 180
gctcagttca caagatgttg gtcaggcgtc atttaaatat tttcagtcag cagaggaagc 240
aaagcgtgcc attgaggctg tgctgtcagc ggatcctcgg tctgtgtacc gccggaagct 300
ttgccaggac cgccttttct actttactgt agacatagcg catgtcactt gctggtttgg 360
tgatggcttt gcagaggtgc tgaggatcaa gccggcttct gagcctgttc atatgactgg 420
ccctgtgggg tccttggtgt ctctagggtc ttaaggagcc tccctcatgt ctttaaggta 480
gcatcattga tctttggatg tggcttttgg attttctgaa caagctaatg ttgtgtcrag 540
aagcaacact ttgtgatctc atggctttga ttgatttggg ctgttcaaaa tgtttatttg 600
aaaaacgtat acattaataa acttaacaaa gagatataaa aaaaaaaraa aaaaacccga 660
ggggggccc ggnacccaat tc 682

<210> 595
<211> 1430
<212> DNA
<213> Homo sapiens

<400> 595

cagtctcagt tggagggctg atartaaacc ttattggtat ctgtgccttt agccatgccc 60
atagccatgc ccatggagct tctcaaggaa gctgycactc atctgatcac agccattcac 120
aycatatgca tggacacagt gaccatgggc atggtcacag ccacggatct gcgggtggag 180
gcatgaatgc taacatgagg ggtgtatttc tacatgtttt ggcagataca cttggcagca 240
ttggtgtgat cgtatccaca gttcttatag agcagtttgg atggttcatc gctgacccac 300
tctgttctct ttttattgct atattaatat ttctcagtgt tgttccactg attaaagatg 360
cctgccaggt tctactcctg agattgccac cagaatatga aaaagaacta catattgctt 420
tagaaaagat acagaaaatt gaaggattaa tatcataccg agaccctcat ttttggcgtc 480
attctgctag tattgtggca ggaacaattc atatacaggt gacatctgat gtgctagaac 540
aaagaatagt acagcaggtt acaggaatac ttaaagatgc tggagtaaac aatttaacaa 600
ttcaagtgga aaaggaggca tactttcaac atatgtctgg cctaagtact ggatttcatg 660
atgttctggc tatgacaaaa caaatggaat ccatgaaata ctgcaaagat ggtacttaca 720
tcatgtgaga taactcaaga attacccctg gagaataaac aatgaagatt aaatgactca 780
gtatttgtaa tattgccaga aggataaaaa ttacacatta actgtacaga aacagagttc 840
cctactactg gatcaaggaa tctttcttga aggaaattta aatacagaat gaaacattaa 900
tggtaaaagt ggagtaatta tttaaattat gtgtataaaa ggaatcaaat tttgagtaaa 960
catgatgtat tacatcatct tcaaaaatag atatgatgga ttctagtgaa gaccaaaatt 1020
acttctgttt actttctatc aggaagcatc tccattgtaa atatgtattt acatgtttat 1080
tacaaagacc caaatgaaaa atttttagtc catttttgc atagcctaaa gataaaatag 1140
gaataaaagt tctatattta tggattttct gtatataaaa ctggtttcta attataactt 1200
aagtccatta agtaaaatct gtattgccac tttaaatgta aactaaatta tttgggagaa 1260
acttcaacca ctgatatgag ataagcaatg agaataggga agtgtataac atcacagttt 1320
ttgatgtatt acaaaaatca accactctat aaaataaatt ttttttactt ttggtaatat 1380
ttgcaaatga ataattaatt tattagggta aagaacttat actaagttgt 1430

<210> 596
<211> 1597
<212> DNA
<213> Homo sapiens

<400> 596
gctagtcctt cggcgagcga gcaccttcga cgcggtccgg ggacccctc gtcgctgtcc 60
tcccgacgcg gacccgcgtg ccccaggcct cgcgctgccc ggccggctcc tcgtgtccca 120
ctcccggcgc acgccctccc gcgagtcccg ggcccctccc gcgcccctct tctcggcgcg 180
cgcgcagcat ggcgcccccg caggtcctcg cgttcgggct tctgcttgcc gcggcgacgg 240
cgacttttgc cgcagctcag gaagaatgtg tctgtgaaaa ctacaagctg gccgtaaact 300
gctttgtgaa taataatcgt caatgccagt gtacttcagt tggtgcacaa aatactgtca 360
tttgctcaaa gctggctgcc aaatgtttgg tgatgaaggc agaaatgaat ggctcaaaac 420
ttgggagaag agcaaaacct gaaggggccc tccagaacaa tgatgggctt tatgatcctg 480
actgcgatga gagcgggctc tttaaggcca agcagtgcaa cggcacctcc aygtgctggt 540
gtgtgaacac tgctggggtc agaagaacag acaaggacac tgaaataacc tgctctgagc 600
gagtgagaac ctactggatc atcattgaac taaaacacaa agcaagagaa aaaccttatg 660
atagtaaaag tttgcggact gcacttcaga aggagatcac aacgcgttat caactggatc 720
caaaatttat cacgagtatt ttgtatgaga ataatgttat cactattgat ctggttcaaa 780
attcttctca aaaaactcag aatgatgtgg acatagctga tgtggcttat tattttgaaa 840
aagatgttaa aggtgaatcc ttgtttcatt ctaagaaaat ggacctgaca gtaaatgggg 900
aacaactgga tctggatcct ggtcaaactt taatttatta tgttgatgaa aaagcacctg 960
aattctcaat gcagggtcta aaagctggtg ttattgctgt tattgtggtt gtggtgatag 1020
cagttgttgc tggaattgtt gtgctggtta tttccagaaa gaagagaatg gcaaagtatg 1080
agaaggctga gataaaggag atgggtgaga tgcataggga actcaatgca taactatata 1140
atttgaagat tatagaagaa gggaaatagc aaatggacac aaattacaaa tgtgtgtgcg 1200

tgggacgaag acatctttga aggtcatgag tttgttagtt taacatcata tatttgtaat 1260
agtgaaacct gtactcaaaa tataagcagc ttgaaactgg ctttaccaat cttgaaattt 1320
gaccacaagt gtcttatata tgcagatcta atgtaaaatc cagaacttgg actccatcgt 1380
taaaattatt tatgtgtaac attcaaatgt gtgcattaaa tatgcttcca cagtaaaatc 1440
tgaaaaactg atttgtgatt gaaagctgcc tttctattta cttgagtctt gtacatacat 1500
actttttat gagctatgaa ataaaacatt ttaaactgaa aaaaaaaaaa aaaaaaaaaa 1560
agtcgacgcc aggaatttag tagtagtagt aggcggc 1597

<210> 597
<211> 602
<212> DNA
<213> Homo sapiens

<400> 597
ggcaggggtg gagccctcat ggagaacctc tgttagggca gtgcagaaga gaaatgtgag 60
gtcagagcct tcacacacag tccccactga ggcactgcct agtggagctg tgagaagaga 120
gccactattc tccagatccc agaatggtag atcaaccaac agcttgcact gtacatctgg 180
aaaagctgca gacactcaat gccagcctat gaaagcagct tggaatgggg ctgtaccctg 240
caaaggcaca ggggcagagc tgccaagacc atgagagtct acttcttcca ccagtgtgac 300
ctgaatgtga gacatagagt caaaggagat tattttggag ctgtaaaatt caatgaatac 360
cctgctggat tctggacttg tcattggctt ttagcccctt tgttttgtcc aattctccta 420
tatggaatgg gagcatcctc atccaatgcc tgtaccctca ttgtgtctta gaagtaatta 480
acttgctttt gattttatag gccatgctaa tcagcattca gttctagatt ccaatttatt 540
ctcagtgtgc ctgtataact tttctttcta tatatatata attaaatttc tattacttat 600
tt 602

<210> 598
<211> 432
<212> DNA
<213> Homo sapiens

<400> 598
gctcgtgccg aattggtgcg gcgtcaggtg cgcccgccag gtgagcgcgc tccctggcac 60
cgttggcccc cggagggtcg ggcccagttg cggcgagcgg attggtttat cttggaagct 120
aaagggcatt gctcatcctg aagatcagct gaccattgac aatcagccat gtcatccagg 180
cctcttgaaa gtccacctcc ttacaggcct gatgaattca aaccgaatca ttatgcacca 240
agcaatgaca tatatggtgg agagatgcat gttcgaccaa tgctctctca gccagcctac 300
tctttttacc cagaagatga aattcttcac ttctacaaat ggacctctcc tccaggagtg 360
attcggatcc tgtctatgct cattattgtg atgtgcattg ccatctttgc ctgtgtggcc 420
tcacgcttgc ct 432

<210> 599
<211> 1319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c

<400> 599
tgtgtgttca caaccaaatg ttgatgccct tatctactga taatatcctc tcaatgttca 60
ctgaggcata gaaattattt cagagtagaa attgcagcat gaggataaac tcacctcttt 120
gttctgaaaa tagaacttta tcactatgct ttccggtggt tttccctttt acaatcgaaa 180
tcttgtgcct cccaagtgca ttggaaaatg acaaaagcct gtctctccaa attcctattt 240
aacagtttga ttttttttt ttaatcacca tctttcaaat cttagctcaa ctctcaccaa 300
gtgaaaattg gctacttggg agaaagttaa ctttctatgg tgggatggtg aaggatgagg 360
gacagtttac ataggaaaag aaaaaaaaaa gtctaaagtc catgttgaaa aaccacacta 420
ccacttattt tctgctaacc ctaaattatt tttgcgtata cgcttgaggt tatagtctgt 480
gcctagacct aaaatgcacc agcgggggg attttaaaaa atccttcaaa ataccagttt 540
tttcccaaca agtacaattg ttcttgtgcc ttctgtggct ttcgatttca nctttttkac 600
tttwtttcca attactacag ctgcaataaa cactagattt tttttctggc tgtttgacat 660
aacgttgata gctatgcata tkttgtgtct ttttaaaaca aagcgggaga atacgttttt 720
gaagaagaga atttttagaa cagtttgata ccgcaaatta tttttycctc aattgtttga 780
gcagcattcg agttttgaaa attcttgtag aagccaattt tttgtaactg tggtgcaaat 840
cttgtgtttt cttagcctaa tgaaaagtag tatagaagca atatttcata ccatgtgcta 900
tatatgtgtg cgcagatgtg tgaacataaa atcacataca cacatataca cacatgtaaa 960
aatatacata tatatatatg cgtgtgaagt ggaaagctta ccttttccta tctagattta 1020
agaacctatt ttagacattt gttatgtttt gtgaaaagaa tgttctattt gcaacaaaac 1080
atttaattct tactgtatct ctggctgttt aatgaggacg tttcacatta aatggtaaaa 1140
cacatggaag atgttagaat gtagtaatta tttaagtaaa cgttcaccca catattcctg 1200
aagtttgctt tgtgcctccg agtattattt aattaaagaa gtgttttatg tttgcagaat 1260
ctttgtcact gtactaggga tgtgggtgaa tatcatttaa aaaaatttaa aacaacaaa 1319

<210> 600
<211> 973
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (746)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (942)
<223> n equals a,t,g, or c

<400> 600
ctcacctccg agagctagac tttggccagg catggctaaa accactggtt aacgatgtga 60
cagttatgat cttggagatt ggaaatcttt cttccacatt agagttcttt accttaattc 120
cttattctga aaaattgtaa gattttatga aggtttgaat actgaagcac agttctgctt 180
tcaaaaatta aaattcaaac ttgaaaaagc tgtttaaccc atggaagata tcatttagta 240
agatgtaaaa gatttttaa atctacactt cagtttatac atctttatca ttatcaatac 300
tatataagtt actgtgagca ttttagagaa ttccataaag gtactatgag tgtgtctgta 360
tgtgtgtgta tatatagcat tgtatttaat catagactaa atttaatttg atatagaaat 420
actactttac ttgtacatta aggtcataat ttctgctgga ctcttttata tttaattaat 480
ggggattata gtcttccttc ataaatgcat ttaaacctga aattgaacac cagtgttttt 540
ctttttctac ttatgggaag ttgtctgctt ccccctttag agaaaacagt atttttatat 600
tttgttaaaa tattaactac tttatgccta cacactatgc tgtagatact gatcataatt 660

cttgggtgtt cacaaacact cctagwgcct ctttttggc ccgttgaaag tgttggtatt 720
actactttca ctacagagcc tttggncctc taataatgct gaggtgggct gatccttccc 780
mtttctgtcy tcgggtcatt ctgggtaggg tcttctcctc cactgtcaag gtaaggcaat 840
cagggtccgt gacaggggat tgggacatat ggaacaaatt aaggtgggat acacacagtg 900
aggaaaggtt acatggcatt ctatggggaa ccaactactg tncaataaca tctgatgtta 960
acatggcaca tta 973

<210> 601
<211> 1473
<212> DNA
<213> Homo sapiens

<400> 601
ttgagactga ctactgagtc tacctttta atcaagccta acatgaatgg gctccaaaaa 60
gtaatgaatg taattgtact ttttgatgtg cctctgcact tggcttggtg agtcatcata 120
aatagctgtt aaatatgtga ctttacagat tttgatatgt tcagattgta aaaaatgaat 180
agtttatttc attaattgat gggcagtcaa gaatctccct cccttcagta gggctgacac 240
ttaggagtta ggtcatggtt gtggttactt ggcatggcta atcagatttt gttctggtca 300
gaatttgccc aagatcaata cccagcagaa actggagtta ggctataaaa aaccattcat 360
gtttccgagt gatcatttca gtcagcgatt catgttttac agtgtttagt tgttgattat 420
tagaaaaagt aatattttct tccctttatg attacatcat tataaatcaa gtccttccat 480
gaacacattt aaggtgtgtg gagatgagat gtctgaatcc atttggggat gggctgcatt 540
tttggggaac tctatgcctg tccagtgaag agtgcctaaa acattaatta tagatcaaag 600
atgttctgtt gagggacaaa gcttgatggt catcaaacac aaggctttgt aaaaatacga 660
ccacctattc cacttactgg atctgtcagg tgtgtaaaac ttctctcgcc agttcatcat 720
gcttccatga gccctcagga ctgggatttg agccttcctg gctctttatc ccttggggca 780
gacatggaac catctctgag ggaccaggtg gatgctgaag ctcacccagt cagggcccct 840
ctcctagctc cttttacact gaaattaatc tgaaagcttt catagccaag gctttgctag 900
gtgctattat tccagctggc caaagagaag tcttgggcca gattgggatt ctcaatggat 960
tttatagaca taattccccc gcaaacttaa aaaaataaat aacccctact ttataggact 1020
aattgtttga attgtatctt tctctgtatg ttaaaccaga tttaaaacta ttttataacc 1080
acaatatgta atcagagcaa tatagtgttt tcagatatat accttgtttt ataccttatg 1140
taggtgtcct acataagggt ggcatgccca ctggctgtgg taaaatttaa tcctcattgc 1200
tttgggagtg acttaaggcc ttttgaagtg gagcttttgc actttatact ttttctgtga 1260
actatgataa ctatatttga tattaaagct gtaagtggca ttttcagcaa atgaatatgt 1320
acatgtttgt gtctatttcc aaaatgattt ctgaactatc tgcagtgaaa atgtatctga 1380
tggattgtag agcaaagcac attgcctaaa ttcatttgtt aatgaattgg gtaccattgt 1440
tattaaaaat gcgtaaagta aaaaaaaaaa aaa 1473

<210> 602
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (481)
<223> n equals a,t,g, or c

<400> 602
gccttcacat tggtcttccg gggcttaaaa gcatatcatt cctgattctg cagctggttc 60
tctctccaag cactagcaaa accctgccct aggagccccc agactctgag agcccatgac 120
caaaaagaaa aggaaagcca agttggggaa gaacagggcc cccaactcca cagccctcca 180
ctctssccag agggcccacc ctgggctgcc tggaaccccc taaagttgcc acccccgcaa 240
cacagtagtg gggcagttcc tggcagcgcc tgcagcccat gggctggctc tgtacccgca 300
gccccgccaa gcgtctgtta tcttatttac tggaatctgc acagccaggc tctagctcac 360
cggtgactaa ggagctgcag ccattattac caggcagatg gcagactccc taaaagcaga 420
cattaaacaa taaaatgcca ccacatacct tgcccacaaa ataaaatcaa aacaaaccan 480
n 481

<210> 603
<211> 1667
<212> DNA
<213> Homo sapiens

<400> 603
gggaattatt tcacaatact gatagtactg ggaattgtka aataattcct ctgaaagata 60
agaatcactg gcttctatgc gcttcttttc tctcatcatc atgttctttt accccagttt 120
ccttacattt ttttaaattg tttcagagtt tgtttttttt ttagtttaga ttgtgaggca 180
attattaaat caaaattaat tcatccaata ccccttttact agaagtttta ctagaaaatg 240
tattacattt tatttttttct taatccagtt ctgcaaaaat gacctataaa tttattcatg 300
tacaattttg gttacttgaa ttgttaaaga aaacattgtt tttgactatg ggagtcaact 360
caacatggca gaaccatttt tgagatgatg atacaacagg tagtgaaaca gcttaagaat 420
tccaaaaaaa aaaaaaaaaa aaaaaaaaaa gmaaactggg tttgggcttt gctttaggta 480
tcactggatt agaatgagtt taacattagc taaaactgct ttgagttgtt tggatgatta 540
agagattgcc atttttatct tggaagaact agtggtaaaa catccaagag cactaggatt 600
gtgatacaga atttgtgagg tttggtggat ccacgcccct ctcccccact ttcccatgat 660
gaaatatcac taataaatcc tgtatattta gatattatgc tagccatgta atcagattta 720
tttaattggg tggggcaggt gtgtatttac tttagaaaaa atgaaaaaga caagatttat 780
gagaaatatt tgaaggcagt acactctggc caactgttac cagttggtat ttctacaagt 840
tcagaatatt ttaaacctga tttactagac ctgggaattt tcaacatggt ctaattattt 900
actcaaagac atagatgtga aaattttagg caaccttcta aatctttttc accatggatg 960
aaactataac ttaaagaata atacttagaa gggttaattg gaaatcagag tttgaaataa 1020
aacttggacc actttgtata cactcttctc acttgacatt ttagctatat aatatgtact 1080
ttgagtataa catcaagctt taacaaatat ttaaagacaa aaaaatcacg tcagtaaaat 1140
actaaaaggc tcatttttat atttgtttta gatgttttaa atagttgcaa tggattaaaa 1200
atgatgattt aaaatgttgc ttgtaataca gttttgcctg ctaaattctc cacattttgt 1260
aacctgtttt atttctttgg gtgtaaagcg tttttgctta gtattgtgat attgtatatg 1320
ttttgtccca gttgtatagt aatgtttcag tccatcatcc agctttggct gctgaaatca 1380
tacagctgtg aagacttgcc tttgtttctg ttagactgct tttcagttct gtattgagta 1440
tcttaagtac tgtagaaaag atgtcacttc ttcctttaag gctgttttgt aatatatata 1500
aggactggaa ttgtgttttt aaagaaaagc attcaagtat gacaatatac tatctgtgtt 1560
ttcaccattc aaagtgctgt ttagtagttg aaacttaaac tatttaatgt catttaataa 1620
agtgaccaaa atgtgaaaaa aaaaaaaaaa raraaaaaaa aaaaaaa 1667

<210> 604
<211> 1193

<212> DNA
<213> Homo sapiens

<400> 604
ctaacgtatt catgccttgt atttgtacag cattaatctg gtaattgatt attttaatgt 60
aaccttgcta aaggagtgat ttctatttcc tttcttaaag aggaggaaca agaagatgag 120
gaagaaatcg atgttgtttc tgtggaaaag aggcaggctc ctggcaaaag gtcagagtct 180
ggatcacctt ctgctggagg ccacagcaaa cctcctcaca gcccactggt cctcaagagg 240
tgccacgtct ccacacatca gcacaactac gcagcgcctc cctccactcg gaaggactat 300
cctgctgcca agagggtcaa gttggacagt gtcagagtcc tgagacagat cagcaacaac 360
cgaaaatgca ccagccccag gtcctcggac accgaggaga atgtcaagag gcgaacacac 420
aacgtcttgg agcgccagag gaggaacgag ctaaaacgga gctttttgc cctgcgtgac 480
cagatcccgg agttggaaaa caatgaaaag gcccccaagg tagttatcct taaaaaagcc 540
acagcataca tcctgtccgt ccaagcagag gagcaaaagc tcatttctga agaggacttg 600
ttgcggaaac gacgagaaca gttgaaacac aaacttgaac agctacggaa ctcttgtgcg 660
taaggaaaag taaggaaaac gattccttct aacagaaatg tcctgagcaa tcacctatga 720
acttgtttca aatgcatgat caaatgcaac ctcacaacct tggctgagtc ttgagactga 780
aagatttagc cataatgtaa actgcctcaa attggacttt gggcataaaa gaacttttt 840
atgcttacca tctttttttt ttctttaaca gatttgtatt taagaattgt ttttaaaaaa 900
ttttaagatt tacacaatgt ttctctgtaa atattgccat taaatgtaaa taactttaat 960
aaaacgttta tagcagttac acagaatttc aatcctagta tatagtacct agtattatag 1020
gtactataaa ccctaatttt ttttatttaa gtacattttg ctttttaaag ttgatttttt 1080
tctattgttt ttagaaaaaa taaaataact ggcaaatata tcattgagcc aaatcttaaa 1140
aaaaaaaaaa aaaaggtcga gccggccggc taattagtag tagtaggcgc cgc 1193

<210> 605
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<400> 605
aatgccaaaa gtacttcccc tgtttccaca agctcgttta catcctcagc ccttgagaag 60
cccagtcagg aagcataacc tgatagcttg ggctgatgca atmacagaaa ctctggcctg 120
ctgtagcttt tgttctgctt aaagtgcagg cagagcagag cagagcagta attggctgtg 180
aatgaaaggg gattgtcaga atgagcctaa gttccggwtc taccaccgca gtttcgtatt 240
tgggccctgt tttaagccag ggtggctggt tggtgaaggt catgtgcgac ctcaggaggc 300

tgtcttgtca cctccctcat gtcaatagga agggaggtat tctccctcct ccagaatata 360
caggataatc tgtcttgctt gctaanagca ttcacctttg acctttgcat tctttgggtc 420
tggagatgtn tatgatcn 438

<210> 606
<211> 2674
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1782)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1923)
<223> n equals a,t,g, or c

<400> 606
gttcgsccgc acagcagccc gagcgccccc tttccrgagc tcccctccgg agctgggatc 60
caggcgcgta gmggnatccc aggatcctgg gtgctgtctg ggcccgctcc ccaccatgac 120
ctcctcgggg cctggacccc ggttcctgct gctgctgccg ctgctgctgc cccctgcggc 180
ctcagcctcc gaccggcccc ggggcngcag acccggtcaa cccagagaag ctgctggtga 240
tcactgtggc cacagctgaa accgaggggt acctgcgttt cctgcgctct gcggagttct 300
tcaactacac tgtgcggacc ctgggcctgg gagaggagtg gcgagggggt gatgtggctc 360
gaacagttgg tggaggacag aaggtccggt ggttaaagaa ggaaatggag aaatacgctg 420
accgggagga tatgatcatc atgtttgtgg atagctacga cgtgattctg gccggcagcc 480
ccacagagct gctgaagaag ttcgtccaga gtggcagccg cctgctcttc tctgcagaga 540
gcttctgctg gcccgagtgg gggctggcgg agcagtaccc tgaggtgggc acggggaagc 600
gcttcctcaa ttctggtgga ttcatcggtt ttgccaccac catccaccaa atcgtgcgcc 660
agtggaagta caaggatgat gacgacgacc agctgttcta cacacggctc tacctggacc 720
caggactgag ggagaaactc agccttaatc tggatcataa gtctcggatc tttcagaacc 780
tcaacggggc tttagatgaa gtggttttaa agtttgatcg gaaccgtgtg cgtatccgga 840
acgtggccta cgacacgctc cccattgtgg tccatggaaa cggtcccact aagctgcagc 900
tcaactacct gggaaactac gtccccaatg gctggactcc tgagggaggc tgtggcttct 960
gcaaccagga ccggaggaca ctcccggggg ggcagcctcc cccccgggtg tttctggccg 1020
tgtttgtgga acagcctact ccgtttctgc cccgcttcct gcagcggctg ctactcctgg 1080
actatccccc cgacagggtc acccttttcc tgcacaacaa cgaggtcttc catgaacccc 1140
acatcgctga ctcctggccg cagctccagg accacttctc agctgtgaag ctcgtggggc 1200
cggaggaggc tctgagccca ggcgaggcca gggacatggc catggacctg tgtcggcagg 1260

accccgagtg tgagttctac ttcagcctgg acgccgacgc tgtcctcacc aacctgcaga 1320
ccctgcgtat cctcattgag gagaacagga aggtgatcgc ccccatgctg tcccgccacg 1380
gcaagctgtg gtccaacttc tggggcgccc tgagccccga tgagtactac gcccgctccg 1440
aggactacgt ggagctggtg cagcggaagc gagtgggtgt gtggaatgta ccatacatct 1500
cccaggccta tgtgatccgg ggtgataccc tgcggatgga gctgccccag agggatgtgt 1560
tctcgggcag tgacacagac ccggacatgg ccttctgtaa gagctttcga gacaagggca 1620
tcttcctcca tctgagcaat cagcatgaat ttggccggct cctggccact tccagatacg 1680
acacggagca cctgcacccc gacctctggc agatcttcga caaccccgtc gactggaagg 1740
agcagtacat ccacgagaac tacagccggg ccctggaagg gnaaggaatc gtggagcagc 1800
catgcccgga cgtgtactgg ttcccactgc tgtcagaaca aatgtgtgat gagctggtgg 1860
cagagatgga gcaytacggc cagtggtcag gcggccggca tgaggattca aggctggctg 1920
gangctacga gaatgtgccc accgtggaca tccacatgaa gcaggtgggg tacgaggacc 1980
agtggctgca gctgctgcgg acgtatgtgg gccccatgac cgagagcctg tttcccggtt 2040
accacaccaa ggcgcgggcg gtgatgaact ttgtggttcg ctaccggcca gacgagcagc 2100
cgtctctgcg gccacaccac gactcatcca ccttcaccct caacgttgcc ctcaaccaca 2160
agggcctgga ctatgaggga ggtggctgcc gcttcctgcg ctacgactgt gtgatctcct 2220
ccccgaggaa gggctgggca ctcctgcacc ccggccgcct cacccactac cacgaggggc 2280
tgccaacgac ctggggcaca cgctacatca tggtgtcctt tgtcgacccc tgacactcaa 2340
ccactctgcc aaacctgccc tgccattgtg ccttttttagg gggcctggcc cccgtcctgg 2400
gagttggggg atgggtctct ctgtctcccc acttcctgag ttcatgttcc gcgtgcctga 2460
actgaatatg tcaccttgct cccaagacac ggccctctca ggaagctccc ggagtccccg 2520
cctctctcct ccgcccacag gggttcgtgg gcacagggct tctggggact ccccgcgtga 2580
taaattatta atgttccgca gtctcactct gaataaagga cagtttgtaa aaaaaaaaaa 2640
aaaaagggcg rccgctcgcg atctagaact agtc 2674

<210> 607
<211> 1609
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1593)
<223> n equals a,t,g, or c

<400> 607
cgggtcgacc cacgcgtccg cggacgcgtg ggtgtcgatg aaatcaagag tgtgatgttc 60
tagttatttt tttttatata tatttttaaa tgttcaatat tcaactattg aaacaaatgt 120
acatctgtga actagctaaa atcatcttat gtaccactaa tatgcccagc acattttgta 180
aaacagtcct gatttggcct ccaagggtat ttattgaact accagcagta tctaggagac 240
cacgaaggaa taccacgaag gaatttatgc tccagtgctt gccataattt gtctgagaag 300
gaatctgtta aataaaagct tttatcctct aacctttacc ttcatcagac cttataaaag 360
gtcaaatggt gatcttaagt tttttagtca caaatcttac ttattcagta ttagtgcgaa 420
gagtagaata ctttcaagta agcctaaact tacatgaaam caaattacat aaatctagct 480
ctgagaatag gaaattagtg acaagatcaa tctgtaagat gttgagcact tatctgaagt 540
aaatgggtaa tgagtttcac atcttataaa tacaagttag catgtgtttt ctcaagagtc 600
caagggtttt cattattgga ctacagcttt aatcttctaa atgttattcc ccaagattaa 660
agagcatctc aagttagatc accaaagatc aaaagctaaa accagaagta tttttgtcat 720
tgtggtggtg gtagtgttac taattgccta gatttttaaa gggaaacatt tttttcactg 780
ggttgtttcg ttgaaaaaaa tagaagcaga aacttgccca aagtcacagt ggtcaaactg 840
gaaattgcac caaaacttgg catactggtt ctgaaatcca tagttttagc ccttatgtat 900

actggttaat ttggaaggaa gaaatatata cgttctgaag tgaagagtga gtgaaaggaa 960
gaattcagtg aatacattga taccttgata ttatctgcat tgtggctaca tgttactttt 1020
cttcacaaga gtgatataag tgaaataaag aatgattgga ctgggaraaa aatggctcag 1080
aaaactttgc aaaagtayga ctgtatgtaa agataagtat tcaacattaa atgggaagga 1140
ggagagcaag cagtttaata tatagaattt tataatttta ggcctgcaag ggaccttata 1200
aaacatgagc aatggaacac ttttttccaa actaaatttc gtgcagtgga acttggccga 1260
ctctgtcctt cctctattct aagcacccta ctctagcccg gctgctctga gttcagtttg 1320
ttacaaatat ggacacgaaa gtaccacagg ctttgcacag cttaattgaa gtttcccctt 1380
cacaccatgg taaaaaaaca tactgggatg gaagggtttg tgtctagaac argaacaaga 1440
aataaactct tggtcactta ctaatatttc aaaatcacaa agcagaattt tgcttggatg 1500
kttaktaaaa catccttgga aatttaactg cttgcagctt ctaccttytt cattaaatgc 1560
tgtctggcta ataaaaagtg ccatgtgcag ctntatttta atttcaatt 1609

<210> 608
<211> 920
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<400> 608
gacacgaagt ccgagaaatt gagcagcgac atatcaacac taccaaaaat aatccagtga 60
tgtcattgca agatcaggtg cgctttgtaa agaatataac ttcctggaaa gagatgaaac 120
caggatttta tcatggacac gtttcttact tggattttgc aaaatttggt gtgaagaaag 180
aaaccaattt acattaatgt cntaagggat cctattgaga ggctagtttc ttattattac 240
tttctgagat ytggagatga ttatagacca gggttacgga gacgaaaaca aggagacaaa 300
aagacctttg atgaatgtgt agcagaaggt ggctcagact gtgctccaga gaagctctgg 360
cttcaaatcc cgttcttctg tggccatagc tccgaatgct ggtaggggag ataaagttgg 420
ctcagattga ttatcatcct tattatctct ataatctgtg tttcatttca caagggctag 480
atatagggaa atcggtgaaa gactagacta aaaataacat gtaattcagt aatatctagt 540
tttgcagtta cttttaaatg catttaaaag attcctcatg tagagtgata tcctaatatc 600
cttgcattgt tttctgagat gccggttttt agtatttctt atttttggtg ttatgttttg 660
ctgtattcca gcagagctct tagagactgg gggtgggggt gggkgtcata aatcttattt 720
tgtccaaagc ttactgtttt agctattcat gttaaattaa gaaaaggctt agtgggttaa 780
aattcacctg gttttactgt taaactgatt ttgactttaa gagaagccaa ggttatggct 840
gtggtttagt ttgctagtaa atatcaagtg gaaaataaag atactttaat aaaaactgta 900
tttcctcaaa aaaaaaaaaa 920

<210> 609
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<400> 609
acgcccgcag gtaccggtcc ggaattcccg ggtcgaccca cgcgtccgaa ggaagaaggn 60
gggaaacctc aaatgaattc tgaaggggag ataccttccc tgccatcagg cagccaatct 120
gcaaaaccag taagccagcc caggaaatca acccagccag atgtttgtgc ctctcctcaa 180
gaaaagccac tcaggactct gtttcaccaa cctgaggaag agatagaaga tggtggactc 240
ttcattccaa tggaagacaa gacaatgaag aaagtgagaa aag 283

<210> 610
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 610
aaagcccaac nccccgtaa acccagaatc tcccatatgg taacctgtgt gatgctccgg 60
attctcctcg cccagtgaag gcatcaaggg aagatagtgg tttatttagt cctattcgat 120
cctctgcttt tagtcctctt ggaggctgta ctccagctga atgtttttgc caaacagata 180
ttggtggaga taggattcat gaaaatcatg attctgttta ttacacctat gaagactatg 240
caaaaagcat ttcatgtgaa gtactaggct cagttcttcg tacccaccat actaataccc 300
tatcaaatat taacagtatt aaacatggag aaaataaaac tgtaactttt aagcatggaa 360
accttgatca aaaaaataaa tctaaaaata aatccttaat gaaaaaaaaa nattaanaaa 420
aaagggcggt cgctctagag gatccaagct tacgtacgcg tgcntgcgac gacatagctc 480
ttctatagtg tcacctaa 498

<210> 611
<211> 1069
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (176)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1060)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1061)
<223> n equals a,t,g, or c

<400> 611
cctttgaaat acccctcact aaagggaaca aaagctggag ctccaccgcg gtggcggccg 60
ctctagaact agtggatccc ccgggctgca ggaattcggc acgagcggca cgaggtatcc 120
acagggccac agcgacacca ctgtggctat ctccacgtcc actgtcctgc tgtgtnggct 180
gagcgctgtg tctctcctgg catgctacck caagtcaagg caaactcccc cgctggccag 240
cgttgaaatg gaagccatgg aggctctgcc ggtgacttgg gggaccagca gcagagatga 300
agacttggaa aactgctctc accacctatg aaactcgggg aaaccagccc agctaagtcc 360
ggagtgaagg agcctctctg ctttagctaa agacgactga gaagaggtgc aaggaagcgg 420
gctccaggag caagctcacc aggcctctca gaagtcccag caggatctca cggactgccg 480
ggtcggcgcc tcctgcgcga gggagcaggt tctccgcatt cccatgggca ccacctgcct 540
gcctgtcgtg ccttggaccc agggcccagc ttcccaggag agaccaaagg cttctgagca 600
ggatttttat ttcattacag tgtgagctgc ctggaataca tgtggtaatg aaataaaaac 660
cctgccccga atcttccgtc cctcatccta actttcagtt cacagagaaa agtgacatac 720
ccaaagctct ctgtcaatta caaggcttct cctggcgtgg gagacgtcta cagggaagac 780
accagcgttt gggcttctaa ccaccctgtc tccagctgct ctgcacacat ggacagggac 840
ctgggaaagg tgggagagat gctgagccca gcgaatcctc tccattgaag gattcaggaa 900
gaagaaaact caactcagtg ccatttacg aatatatgcg tttatattta tacttccttg 960
tctattatat ctatacatta tatattattt gtattttgac attgtacctt gtataaacaa 1020
aataaaacat ctattttcaa aaaaaaaaaa aaaaaaaatn nctgcggcc 1069

<210> 612
<211> 899
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 612
gctttgtatt gcttatattg catctgagat tgtttgtatc ttttttcctt gactagtctt 60
gctagaggtt tatcatattt attgtttttg ctttacaaag aagccaatat ttttgntttt 120
cttctttgtt atattttctc tattttgttg atttcagctt tttcttttct atgttaatat 180
gtcatattat tgtagtggat ggttagctct tcaaattttc aactttctat tctgatttac 240
atatttaaag ctatagattt ccatgataat gctactttat ctcttgcgtt agttttctat 300
gctgggtaac aaattaccac aggtttactg gtttataaca gcataatttt attatctcac 360
aatttcttgg ggttaagagt ttcagcatgg cttaactggg tctcacaagg ctgcagtgaa 420
gtcagctgaa ctryrttgtc atctggagct cacagttctc ttctaaatta atcagattgt 480

tgataaaact tagttccttg aagctgtaga actgaggtcc tcagctactt agggctgctc 540
ttttatataa gcagtgtaac gtgacatgcc tttttaaggt cagcagaact tctgactaga 600
atctgtttca gagaaggcca gaaagagttc acttggktag gtcagagwca cctgggatag 660
tctccctttt gattaagtca gagtcaacta aataggcacc ttaattgcat ctgcaaaatc 720
ctttcacttt tgccatattc tcttactaaa tgtaacaggc gttgtccaca caaaggtatg 780
gatatcgggc ttggaaagga tttcaggaac catcttagaa ttctgcctac tactaactcc 840
attctacaag tctcaatatc tagcatttta gttattcact aactgcaaag ttttttatt 899

<210> 613
<211> 532
<212> DNA
<213> Homo sapiens

<400> 613
gaacactaaa cagactattt aacttgaggg taataaactt agaataaaat tgtaaaattg 60
tatagagata tgcagaagga agggcatcct tctgcctttt ttatttttt aagctgtaaa 120
aagagagaaa acttatttga gtgattattt gttatttgta cagttcagtt cctctttgca 180
tggaatttgt aagtttatgt ctaaagagct ttagtcctag aggacctgag tctgctatat 240
tttcatgact tttccatgta tctacctcac tattcaagta ttaggggtaa tatattgctg 300
ctggtaattt gtatctgaag gagattttcc ttcctacacc cttggacttg aggattttga 360
gtatctcgga cctttcagct gtgaacatgg actcttcccc cactcctctt atttgctcac 420
acggggtatt ttaggcaggg atttgaggag cagcttcagt tgttttcccg agcaaagtct 480
aaagtttaca gtaaataaat tgtttgacca tgaaaaaaaa aaaaagtcga cg 532

<210> 614
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<400> 614
gctttgaaac caattgcaga ttgcttggtt ttatacaaac tttgattagt ctttggcagt 60
agaaggcagt ttgctaaagt ggctttacac ttgggattat gctgtttctt tggtgataca 120
taaagttcac attttttttt ttataacttc atggtcaaga gcttgggaag aaagcccaag 180
tctcacttga ggacctgatg taattgcttc tctttgagct ccgaagaaaa gattgaggag 240
ctgctctttt gatttgggga gtgagcaggt taagtgctct tactttactt tgscacccty 300
gtacagacaa agtccggtta caaaggcggg taactccaat gtgctattct ttttttytta 360

ccagctttac tggggataat gcacatactg tacaattcac ccacttaaag tgtacaattc 420
agtgggtttt agtttattca tgggggttgt gcaacccttn accataaatc tatttttagg 480
ggcacttttc atcatctcag ggnggaancc t 511

<210> 615
<211> 505
<212> DNA
<213> Homo sapiens

<400> 615
gctcggcgag atccagtcca cagcttgctt cactcttaga acagcggcat cctctatttg 60
gtctcgcacg gggaacttgc tggggtaggg gagaggtgtt agagctttga aaaagctttg 120
cctctcggag gagtcaaagg ggcagtaact gtatggggtg agaggaaggc ctgcgaaata 180
aaaaggcaaa ggaaccgttt gaggaggcta gttgccttct cggggccggt gtgtgtgcgg 240
gggtagtgtt aaggggggagg aaggagcccg kgagcccgga ggaccctccc ggaggtgcgg 300
gcctgaaatt ccgctgggtg ccgggaggct ccgccctccg gagtactgac ggccttcgca 360
gccaatgcgc agccaggacc tcgcgttcgg gagggcgggt acttcctact ccagccctgg 420
gctcggagaa ggccgcgtta gttctttttc tagggatgtc tgcggaaggg gcgccaggct 480
gagggccagc ctggagaaag aaaga 505

<210> 616
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<400> 616
tagggttcta ggcccctgtt cctggggact tgaaggcggt tttacatact ggtcagacac 60
ggctggaggc caaggtcaag ttgaaagttg cagtccagcc agcatgagaa ctgccatgcg 120
agcgtagaga cacaggcagc agcaaaaggc ccattgccca catcccctca ctcttaattt 180
tctctctctt tttaaaattc tcgcctctga ctgttcggct gcccanaatt ttttggtgcc 240
ttcgtggggt ttntggggcg gtgtttaccg actcttctct gcctccgccc tgctcagcca 300
gggctttgag cctcttcggt tttccggcca gacccggaaa aacgaaaaca cagcttgggg 360
agcccccact agccggcgcc tgtgccagct cacctctggc catggcgcag ctgccggtgc 420
acacggcggc caaggccagc tccacattct tccctccccc tcccacttca ccgtagcccc 480
gaaccctgcg cgcagagaaa gggtctcagc tccacagacg actgggtccc tcctcaccaa 540
aaatggtgag acaagatttc atctgtcggc cgaggagcca caagcaggtt tgtctgagag 600
ggatggtgct gggggaaggc tttggattgc atctcaaatt aagctttgct ccttaaatgt 660
ggcgtctcgc caagaaaaag cttggggcct gaattcttga gatttatggt gcaccttatt 720
gatcaaattt atctggactt tttttagttc cccgatgtgt ccctatcatt aaaaaaaa 778

<210> 617

<211> 750
<212> DNA
<213> Homo sapiens

<400> 617
acccacgcgt ccgttaaaac gtcataactt aaatatcaaa attaaaaata aatcaataaa 60
atagcatttt aggacatgct gttttgaatt catgccttcc ctttccattt tgttgatcat 120
cactgtttta gattcttaac ctctataaac tcttataaaa attggccact gcacccagcc 180
taggggtttt ctttttgagg tgataaaaat gttctaaagt ttatagtgat gatgcttgca 240
atttctataa gtagacttaa tgcagtgatg gttgcaaatt ctataaatat atttaatgtg 300
gtgatggttg caaattctat gaaaaaccca aattgtacaa tttcaatgag tgaaagcatg 360
ctatgtgaat gtcttcataa aggttttatt taaaaaatga gcaaacggta gaatgttaac 420
atggcccacg tctatgtggt gtctatattg gtttctatta tatgttttct atgtggttga 480
aacattccta ataaaatgtg catagttttt taaaaaaraa aacacatcag tggacgtgaa 540
tgcaggatgt cttatgaatg ctcacacaga agctcccatt cgtgaggaat gcagggaaaa 600
gcagaagatg gagtaggagt tggcatggcc cagctagctc agatgacaca cgatggtccc 660
agtggcatga cttggtttgt gtgatttgtg ccttggggtt ttattttggc acattataaa 720
ggagtaaata aagcctgtat acagtcaaaa 750

<210> 618
<211> 451
<212> DNA
<213> Homo sapiens

<400> 618
gcggccgcag tggaaggagc aggcgcttga gctcgagcga cggcgctggc ggagacgccg 60
gctgctcctc ccctccccgc cggtgagtga gcgcccccgc cccggacgct ggcggcggtc 120
gcggcccccc cacggccctc cgcggtgggt ggggacagtc gtgagggagc gtggcctggc 180
ggcgcakcgg acgcgggcct ggcctcccgc tcgcggcctg tcggggctgg gacctgccgt 240
cgcccccgtt cgaggttgaa gccccgggcc taggactcga cccccagcat cccacggggc 300
ctctttcctt tcccggctca ttccgctgtc attttgacct ggggttcccc tccaagcccc 360
tcgccttcgt tcccttccca agcatcccag ggccgaggtt gagggagggg cgtgtgagaa 420
gtcgggccga ggmcgaggga ctgtttaagg a 451

<210> 619
<211> 1080
<212> DNA
<213> Homo sapiens

<400> 619
aagagaaaga taccatttga gactccagaa tctgcctcta actctcaaca agactctgca 60
attactcaag tatcctttcc atcctcattg ccctgctgtt attacatagg ccctggttca 120
agtccttgtt acttgttccc attattgcaa taacttctaa ttccaatgcc gttgtgtgat 180
cccatttaa acacggccag agcagtcttc caacaacata gctctaatct agtttcatcc 240
ccacttttac atgcytcagt ggctttccca gtgacttggc atggaacacg tcctcagttg 300
ccatacattc cagctaactc ttacccaacc tttctttgtt cacacagttt ccttttcctt 360
cctcattgac ccatccgcat ctctgtttat ccaagacttc tctgtgatag ctgaccctta 420
gtctttctct cccctattcc tccagactag atcctgtctc cttcctgcag ccccgacaca 480
gccttcagtt catatctttt gcatgatgct tagcaccttc tatccctaag gacaacttac 540
tcatttgaga tttctggcag ggtaccttgc atgcagtgga cactcagtat ttgctgaatt 600
aaattccttc ctatggatcc cttctgattt tttttaagtg cctctaatac acatatcatt 660

ctagggctca tgccactttt aatgtcattt tctaaaggaa aatcttatct atgatatttt 720
cccttataag agatagttgt tttgagtagg gtttttttaaa agataaaggt agtaggaaat 780
tttttaaagc ctaaatatca aattcctttc cctttggagt tgggggaagk aatgaagggg 840
gagcaacttg ctctttcata tgagttggtc atagcatgta agaaccaatc ttgaaatatc 900
gtttttttttt taatggctta taatgtattt ctagaaatac tttgtactta aaatgataac 960
agtttgtatc tttttgtcca tataaagata ctttataaat aaaaaaatta gcattgtaaa 1020
taatgttaat atgtatttat acaaaataaa tttactataa tataaaaaaa aaaaaaaaaa 1080

<210> 620
<211> 823
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (699)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (717)
<223> n equals a,t,g, or c

<400> 620
ggaggtttcc tttgtccatt aagcaagccc caagaaccag aacccttttg ctgcttttct 60
tacataccta acagctctcc agtcatgatg accaaggttg ttcttcaatc aaatgtgttt 120
gwgggatttt cagtccgcaa atgaagtgct ctctaatgaa tgggacacca tgataaatat 180
gtatttatat ttagatgcca aagtatggcm aattatttcc aaatgataac tacaaatggg 240
aattttcgat attctacctt ttttatagaa ccagctcact tttcatttct ttttcatttt 300
gaattaagaa aattgktgag gatgtggtgg gttccagtgt gtggaatgga aaggaaactg 360
cagaatagtg tctgctcccc attcagaggg actgcttcct gtgcccccca gacccggggc 420
ttcgacagct tctccacatt ccacacagat gcctaggagc agcgagttgg tatatgaaaa 480
gtctcccacc ttttctccta aaacttctct cctttctctc cataaaaaga aaaggaaagg 540
aacaaaagaa aaacattcag ttttttctttt tctgaaaaag gtaagtcctt tcctgaagtc 600
atcaaatgaa acattatctg gaaattagtt tctaatgttg tatatnaaga aatacttaaa 660
tataagttcc tgcagtattt attagatagt tgtaactgna aactcacctc ctagtanata 720
agagtttcag gttaaatact ggaacatata taggcagtca aaaatactac tttaaatgca 780
ttcacctaat ttaaagccat ggtttaacac tttttaaggc caa 823

<210> 621
<211> 720
<212> DNA
<213> Homo sapiens

<400> 621
gctctaatgg aggaaacagt caacatgcaa aaatagatgt gtaatgtaag aagagtgatg 60

gaaactctag gaaacaatca aaaggaaatg ctagaaataa taaaaatcac tgacataaat 120
aaagaatgtc ttcaataggt tcatcaacag aacaagtttg aggaaagaat gagtaagctt 180
gaagataagt caacagaaat aatttcgaaa gtataatata catctatttg gaataccaga 240
aggagaagaa caagaacaag aaactaaaga aatatttgaa gtaacactgt cagaggattt 300
tcccaaatta accacagcaa mtcacaagtc aagaagtaga gaacagtaaa caggagaaat 360
accaaaacaa ttatacacaa acttcagaaa accaaagaca aaaagaaaat cttcaaagga 420
gtcagagaaa aagtaacctg acttacagca aaacaggaca agaattaaat tagacttccc 480
atcagaaaca cagaagcaag aagactggag tgaagtattt aaatgctaaa ataaagaaaa 540
aaaatacaaa cttgagaaat aaagacttcc tcagacaaat gctgagggaa ataatcacca 600
tcagaccttc cctgtaagaa aatattaaaa gaagttctca cggaaaagga aggtgataaa 660
gttcagaaac tcaaatctgc gtaacaaagg aagagtgcca aagaaggaat aaataaaggt 720

<210> 622
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 622
gccaccagta cctagccaaa gttagtttta atgtgagagt caaggactac agtggcatgc 60
tgaggtaaca actgcaggag catcgaggta acagcaaaaa tcttttactc caattgggtc 120
aatccagtta accatgtaag aaactcctca cctagggtca gtatgttact tctgtatttc 180
tgcaagcaca atccactgac ataaaagtct aataattaga ctttattgta agtctaatgt 240
atcttgtaca tgataaaatg tatgaacttt ggatcaatat ggcaagctga agacacctgt 300
catgtggggg gactattttg tttgggttct an 332

<210> 623
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<400> 623
taaggctgtt tcagagtctg agttgacttc tctttaatct acctatagaa cttttaggtt 60
tcaaaaaata cttttnaaat gacttttttgg gtttggaaag tacctttaat acatttaagc 120
tagttttcct cctggaaata tttagaattt cttccttaat tggcaacctt tatagaagtc 180
tggtaagatt tgtcgcaaag atgtgccaca gatggacaca aatttcccat tcgggagcaa 240
tatcttacca cagtggtggc taaatgctag ggacaaaata caaggccgga actttccttc 300
cctcagatac cttgtgctgt ggtgttttgt tgccactttc tccctctcat tttcaattat 360
atgcacaatc ttccctttct agagtatgac tttggccaga tgactcacct gatgccacct 420
aagggcattg cctggccagg tacatttctc tggctccagc cttggctaag ntgatgacct 480
gagtcgatct ncacattcat ntcntgaacg 510

<210> 624
<211> 653
<212> DNA
<213> Homo sapiens

<400> 624
gtttttttat ggaaagaaca taaacatagt tttctaattt ggagaaatcg gtcttaatgc 60
aagtaggcat tttaaaatta catttatgaa ttatttttag accctacata atctttttta 120
ttctgcaatg ttaaacagtt tctctagaaa atctgttttt gtttcctagt gactattaaa 180
ctattctctc ctacaacagt aatatttatg ctataaattt aaatcatcat ttttgttttg 240
attgattata agatatatgt tttattatca tgtagcctag tttaagagtc ctcaatatwt 300
ctgaagtttt agtgattctg ctgagagaga gcatagaaaa aaataagaaa aaaaaaacca 360
acctagtatc tgttgktcag tagattgtag gtacttctgt ttatagaaat aataagggga 420
aaatgggtat tttagaatga ggatcttttg tgktgkacct cttgcttctc ttttatttga 480
ataataaagg raataacatc aaattaatgt ttarcctact ttartatgga tattgaagtt 540
aaaatgtcat tcatttgcat ttatttagga aaagaagata tgcttcttaa acaaggtcag 600
atgtatatgg cagactcaca gtgtacttcc ccagggtatc caggcccaat gca 653

<210> 625
<211> 421
<212> DNA
<213> Homo sapiens

<400> 625
gagacagagc aagatgcctt caggaggaat ctctggccgt cttctttggt aatatccaaa 60
gagctttggt cagcgttgat atcaaagcgg tgtgaagaaa acataaggcc ataagactaa 120
tctctggaga gctgcacact gaaggggaac mtaagttctt gagtccctgg agtaccccaa 180
gtktggwttc agagagggtg ccattcatga gcaacactgc tagccattag tggccagcaa 240
gaaggggagt gaaaggagta tcttgtagat ggtgacttgg gtaatatgaa attgctgtca 300
tcaaggttta tcaaaamacc aaaggttaaa tattacatgt aggcaatgtg aggctgcccc 360
aaatggtgtg tttcccagga acttgattca actctgagaa taaatgcatg agtactgaga 420

a 421

<210> 626
<211> 500
<212> DNA
<213> Homo sapiens

<400> 626
tcgaaccttt tggatctctg tcagaaatga atgtttattt ctttcaagtt ttatcaagta 60
ttaatacgtt ttatttatat tcttttaaat gttttattca gtagttctgt gaacttcaga 120
ctttgttgtt cagcctaatc gtatgcttct gtaacttcta cacattttat aagaactcat 180
tcaaagttgt agtcctacca tagtgtttca gggttccttg ttgtgtacac ttttactata 240
atggcaaaat gtttcaaaat cattcagctt tttaaagaaa cttattatgc aaaagacact 300
cttgaaatgc tgtgcatttg agctgaagtg aaagaatttg tttcatgttg tactttgcat 360
tattttaagt tttcacatct ttaatatgct tttctatgct aattatatta gaaatctata 420
aatataagtg gtttctttgt ttaaactagt cattaaaaat taggttgaaa atgaaaaaaa 480
aaaaaaaaaa aaaaaaaaaa 500

<210> 627
<211> 545
<212> DNA
<213> Homo sapiens

<400> 627
gttggtacgc ctgcaggtac cggtccggaa ttcccgggtc gacccacgcg tccgctctgt 60
tcctctgtgg ctactctccc atcttaaaaa cgatccaagt ggtccttttc ctcctccctg 120
ccccctaccc cacacatctc gttttccagt gcgacagcaa gttcagcgtc tccaggactt 180
ggctctgctc tcactccttg aacccttaaa agaaaaagct gggtttgagc tatttgcctt 240
tgagtcatgg agacacaaaa ggtatttagg gtacagatct agaagaagag agagaacacc 300
tagatccaac tgacccagga gatctygggc tggcctctag tcctyctccc tcaatcttaa 360
agctacagtg atgtggcaag tggtatttag ctgttgtggt ttttctgctc tttctggtca 420
tgttgattct gttctttcga tactccagcc ccccagggag tgagtttctc tgtctgtgct 480
gggtttgata tctatgttca aatcttatta aattgccttc aaaaaaaaaa aaaaaagggc 540
ggccg 545

<210> 628
<211> 679
<212> DNA
<213> Homo sapiens

<400> 628
cccccgtttt aaaagatcag tagtctctat tcaaactttt aaaatgtcgt ggtattgtaa 60
caatatattt gatgaaagaa ggttacagac tcccctgaag aaccagcttt cctacgcttt 120
ttatttttct aacttgtcta acctgatttt aaaatgactg caattccaga ctaaaaacat 180
gcttcagccc tgtttcaaga cattatgctt cttttaacag tccaaattag tagttttatt 240
tttcttctaa atctttgttt cacacttgta aaatcttggg aaggaggttc ttaaaacttt 300
gccaggaatt gttacccatt tccaaaaaca gtttattatg ttcaaaaacc accatatctt 360
tgagggactg tttgaaaggg gagagggcaa cgcgggaaat aattcactct gcgcaccgga 420
actattgtag ttcaggactt ccagctactg tatttagatg ttgggtttga atatacagat 480
ttcttttcaa tacctgtaaa tatggctata ttcttgtatt tgtacgggag tgtacaaaat 540
gacactgaaa agtaataaat atgttttgac tatattgtgc agttatttca gaactgtgtt 600

ttgaaagtct tagaatgcat aatttgcatt tgagtaagga aatttaaaat acagattact 660
gctgagattt taaaaaaaa 679

<210> 629
<211> 905
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (793)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (803)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (816)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (843)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (869)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (889)
<223> n equals a,t,g, or c

<400> 629
cagtcgcaag tgactcttgc aataatagca tctcactcct atctgaaaag ttgacaagca 60
gctgttcccc ccatcatatc aagagaagtg tagtggaagc tatgcaacgc caagctcgga 120
aaatgtgcaa ttacgacaaa atcttggcac caagaaaaac ctagnccatg tcaataaaat 180
cttaaaagcc aaaaaacttc aaaggcaggc caggacaggg aataactttg tgaaacgtag 240
gccaggtcga cctcggaaat gtccccttca ggctgtcgta tcaatgcaag cattccaggc 300
tgctcagttt gtcaacccag aattgaacag agacgaggaa ggagcagcac tgcacctcag 360
tcctgacaca gttacagatg taattgaggc tgttgttcag agtgtaaatc tgaacccaga 420

acataaaaag gggttgaaga gaaaaggttg gctattggaa gaacagacca gaaaaaagca 480
gaagccatta ccagaggaag aagagcaaga gaataataaa agctttaatg aagcaccagt 540
tgagattccc agtccttctg aaaccccagc taaaccttct gaacctgaaa gtaccttgca 600
gcctgtgctt tctctcatcc caagggaaaa gaagccccca cgtcccccaa agaagaagta 660
tcagaaagca gggctgtatt ctgacgttta caaaactaca gagtaagtag tagtacctat 720
tagctaacat ccctttttct tccacatttg gaaaaatact ttgactatca aaaaacaata 780
tagattcttt tgngtttcat aanccgtgat gattgngttt ttgcactcat ggattgaagt 840
acnccttcct taaacttttg ggtcaaggnc aattacatta ccccttttnt gatgtggggg 900
ggaaa 905

<210> 630
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (732)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (772)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (776)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (798)
<223> n equals a,t,g, or c

<400> 630
gcagcctgga cggtccgcag agacgttcct gtcttaggcg tcccacgaga tgctcctgtt 60
cagccctgcc gaggtggaag cttggagtgg ctcacggtgg atgcattgac gctgcagacg 120
ccagcaagtg ctacaaacca gagctggcct ttaactcaga ctgatggaga aggtgttaat 180
aatgcagatt agacttaaaa gtgttgaagc cattgcactg tgaacagcaa aaaaattgaa 240
gaactcttct ggcatttaaa aacaattact cagttcagca gagaagtcac tgacaaacga 300
gatcacactg actgctttgt cgttttggtt ttgtcttact cattaatgca aataagaaca 360
ttcactagca tctgtgtcgg gcctaccctc cctggtcaaa tacagctaca gtctccctgc 420
agatacgagt tttccagaaa tgagccgatg ttttctgcga gaatcaattg gtcatataca 480
atttacaaaa atgagtactg tatactatat ttgtaaactg tacactgcag atgctttatt 540
tcactgaaat ttataataca cttatccatg tatatgcatg catgcatttt tgttcctgag 600
atccagctgt gaaatgttta ccagcacata aattaccagc acatgctctt ttttgttaac 660
ctactaggta aaatcttcat ttattacatc aaaaaaaaaa aaaaaagggc gggccgcttt 720
agaggatcca ancttacgta cgcgtgcatg cgacggtcat agcttcttct antagngtca 780
cctaaattca atttcacngg 800

<210> 631
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<400> 631
actaacgggg ctncacnatg gaagctcatt atagggaatn ctggtacgcc tgcaggtacc 60
ggtccggaat tcccgggtcg acccacgcgt ccgcgggagc cctttgctgt gtgctctgtc 120
cagtgtcatg agacgggagc cctttgctgt gtgctctgtc cagtgtcatg agacgggagc 180
cctttgctgt gtgctctgtc cagtgtcatg agacgggagc cctttgctgt gtgctctgtc 240
cagtgtcatg aggcaggtgt ttgcaaagcc agctctcggt tccgatgggg tattgctgac 300
ctacttttct aggggaaatg ctcttaaaca ctgtaattat gcatttctaa tgaaataaaa 360
tgtatttawr accacaaa 378

<210> 632
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (583)
<223> n equals a,t,g, or c

<400> 632
gcccgcccca gtttgaggac ttgctatccc cgtgggaaca tcaccatgtc cgaggcaccc 60
cgggccgaga cctttgtctt cctggacctg gaagccactg ggctccccag tgtggagccc 120
gagattgccg agctgtccct ctttgctgtc caccgctcct ccctggagaa cccggagcac 180
gacgagtctg gtgccctakt attgccccgg gtcctggaca agctcacgct gtgcatgtgc 240
ccggagcgcc ccttcactgc caaggccagc gagatcaccg gcctgagcag tgagggcctg 300
gcgcgatgcc ggaaggctgg ctttgatggc gccgwggtgc ggacgctgca ggccttcctg 360
agccgccagg cagggcccat ctgccttgtg gcccacaatg gctttgatta tgatttcccc 420
ctgctgtgtg ccgagctgcg gmgcctgggt gcccgcctgc cccgggacac tgtctgcctg 480
gacacgctgc cggccctgcg gggcctggac cgcgcccaca agccacggna cccgggcccn 540
gggcccgnca gggttacaag cctcgggaag ctttttccac cgntactttc gggcaagacc 600
aa 602

<210> 633
<211> 669
<212> DNA
<213> Homo sapiens

<400> 633
gacaggatac gtccctgtaa cccaatctct cggttgattg atagcagaac agctcttgtt 60
ggtctgagaa ggcaggataa gtgaccacat atttatgcca ctacctccac cagggagagt 120
ccttctccac aggcttgata aattcaatca ccaactgtgc tgtcgtccct gactctgcta 180
ctcccgttct tcctgctttc ctgctccgta tctcagtctg cactgacccc agggctgggc 240
tgacatcaag atgggagccc agcccacggg ctttataaac acccaagaac cgtttcagat 300
cttctctgtg ctgatgcagg tagttttaaa ttttttctcag ttccagtgat agaaaaccca 360
cacaatacat cctctgccag tcttaataga atatcagagg taagaggggc ctcagagaag 420
ctctgacgca gtgctgctgg ggaagggaag tgactaaccc cgggtcagcc tgccatttag 480
ggaaagagct gaggttctta cccttgttgc atgctgccac ctctccttag ccagtgctct 540
tgtacatcca cacagcaccc taaggagcca tagtcaccat caaagactca accctaaggc 600
ccttcaagat ctcaaagtgc cttctgaagc atcagagatt aaatattgtt caaactaaaa 660
aagtcgacc 669

<210> 634
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 634
gcaattttaa actaggttat cctgtgaatt aaacatttta atttatttt tatcatgtat 60
gatttattta tagatgcata catatgcagt aaaagcagta aaggaagcat gagaaagata 120
aacacaaatt gatggtggca gtgacctctg gggaaagaat tataggataa aaacaaaaac 180
atatatactt taaaaagtat acttcgtgkt atgaaatatt ctcatttgaa tgcatgttaa 240
aatggratwa aagtagaata agttataata ctgggtactt agaaaccaga tattaaactt 300

acctttatta tagtggtacc tgggtgccsn tagaattaca gtactwaaag gtacaaatta 360
tactaaaaat gatattggaa gatttgcaca tgggtgggtt ttaag 405

<210> 635
<211> 1329
<212> DNA
<213> Homo sapiens

<400> 635
agagagaaaa gcacctttga atgcagtgaa tgtggaaagg ctttcagtta tctctcaaac 60
cttaatcagc atcagaaaac tcatactcaa gagaaagctt atgaatgtaa agaatgtggg 120
aaagctttta ttcggagttc atctcttgct aagcatgaaa gaattcatac tggagagaaa 180
ccctatcagt gtcmkgaatg tgggaaaacc ttcagttatg gttcatccct tattcagcat 240
aggaagatcc atactggaga acgaccttac aagtgtaatg agtgtgggag agcattcaac 300
cagaacatac accttacaca gcataagaga attcatacag gagccaagcc ttatgagtgt 360
gctgagtgtg gtaaagcctt tcgacattgt tcatctcttg ctcaacatca aaaaactcac 420
acagaagaaa aaccctacca gtgtaataaa tgtgaaaaga cctttagcca gagctcccat 480
ctaactcagc atcaacgaat tcacactggg gagaagccct ataagtgcaa tgaatgtgac 540
aaagccttta gccggagcac tcatctgact gaacatcaga atactcatac tggagagaaa 600
ccttataact gtaatgaatg cagaaagact tttagccaga gcacatatct cattcagcac 660
cagagaattc attcaggaga gaagcctttt ggatgtaatg attgtggaaa atccttcaga 720
tatcgctctg ctctcaacaa acatcagaga ctgcatcctg gcatatgaca attctaggaa 780
catcataaat ttaggggaga tatttacttt agtttgtcct tttgttaagt actgaagaat 840
cagagtggat ttagaaactg ccttgaaatc ttttaaattt tcactatcat gttatggaat 900
ggaaagtaca ttgggctgaa ctaatccaat tgttattaag ccactctgtg acattagaaa 960
actctactgt tttaagcttt agtttccttt atggaatgaa ggmtttggag tagattattt 1020
caaaggtagt ttggagtttt ataatcagtt ttgtatattt acaatatttt cttgaatggg 1080
tttactatac atcagcattt tgctgtgttg catctagaat gtgtatgttt atgcatgttt 1140
tgccaataga atttgtgctt cagtaactag atcggggatc tagtatgctc ctggtctaat 1200
gcatttacat tgtttaggta actggttcct aataaaaaga attataaaat accctcaaat 1260
taacaattca attgcatata atagcctaac tcagtaagaa tattaaaact tactattatt 1320
aaaaaaaaa 1329

<210> 636
<211> 440
<212> DNA
<213> Homo sapiens

<400> 636
gctgctggaa gcccaggcgg gggaaggggg ccgtgtgtcg cgsagagcgc ccttgagcct 60
tacgcagagg tcttgtgtgt tcctagttaa gccctcccac gcccgaggcc ccatcgcttc 120
ctctccaccc tctttaccca ccaatattcc aagcccagat cctaattccc caccgcatta 180
ccccgccctg gatttgggga atgtttttct ttattttaat atagctcaag gaaaaaatac 240
gtatatcttg agagatttgg ggtggggaaa acaaaagcct tgcggagtar aaaaaacaaa 300
ggcttatttt tataaatgtt taatgttttc acccccctgga tgctccgara cgccgtaatt 360
gtgacggcgg ggtacgtgtg ccataaatca tttagttgct aataaaaatt ctgcctgttt 420
gccctggaaa aaaaaaaaaa 440

<210> 637
<211> 1216
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1078)
<223> n equals a,t,g, or c

<400> 637
aagnggggaa acgcttcagg ctgatgtggt gatttacggt attggtatca gcgccaacga 60
gcaactggct cgcgaggcca accttgatac tgccaatggc attgtcattg atgaggcttg 120
ccgcacctgc gatcccgcga tctttgccgg tggcgatgtg gcaatcactc gtcttgataa 180
tggtgcacta caccgctgcg aaagctggga aaacgccaat aaccaggcgc aaattgccgc 240
tgccgcaatg ttagggctac cgctaccgct actgccgccg ccgtggttct ggagcgatca 300
gtacagtgat aacttacagt ttattggcga tatgcgtggc gatgactggc tttgtcgtgg 360
caacccggaa actcagaagg cgatttggtt taatctgcaa aacggcgtgc ttatcggtgc 420
ggtcacgctg aatcaggggc gtgagattcg cccaattcgc aaatggatcc agagcggcaa 480
aacgtttgat gcgaaactgc tgatagatga gaacatcgcg cttaaatcac tgtaaccagg 540
ataattagcg aatatctcaa tgcctggggc gtggcgaggt gcaagagtgt gtattacgtt 600
taaatcacat tatcttgcaa agggawtggg ctgctcgcca tatcgtcaat cgtatcaatg 660
cgttcaaacc gactgccgat cgtccgtttg tactgggcct gccgactggc ggcacgccga 720
tgaccaccta taaagcgtta gtcgaaatgc ataaagcagg ccaggtcagc tttaagcacg 780
ttgtcacctt caacatggac gaatatgtcg gtctgccgaa agagcatccg gaaagctact 840
acagctttat gcaccgtaat ttcttcgatc acgttgatat tccagcagaa aacatcaacc 900
ttctcaacgg caacgccccg gatatcgacg ccgagtgccg ccagtatgaa raaaaaatcc 960
gttcttacgg aaaaattcat ctgtttatgg gcggtgtakg taacgacggt catattgcat 1020
ttaacgaacc ggcgtcttct ctggcttctc gtactcgtat caaaaccctg actcatgnac 1080
actcgcgtcg caaactctcg tttctttgat aacgatgtta atcaggtgcc aaaatatgcc 1140
ctgactgtcg gtgttggtac actgctggat gccgaagaag tgatgattct ggtgctgggt 1200
agccagaaag cactgg 1216

<210> 638
<211> 557
<212> DNA
<213> Homo sapiens

<400> 638
ggggattctg ttcatatacc tggatggtgc ctttgacctt tgtgtcactt cagtgtcaaa 60
aggaggattt gaaagggaag aaacggcaac atttgcactg ctgtacaggt tgagaaatat 120
cctatttgaa agaaatagaa gagtgatgga tgtcatttct cgttcacagc tttacttgga 180
tgatcttttt tctgactact atgacaaacc tctcagcatg actgatattt cactcaaaga 240
agggacccat atccgagtta acttacttaa tcacaacatt cccaaagggc cttgcatact 300
ctgtggaatg gggaacttca aaagggagac agtttatggg tgctttcagt gttctgttga 360
tggtcagaag tatgtgagac ttcatgcagt tccttgtttt gatatttggc acaagaggat 420
gaaataaaat gaaaaatgaa tacaccgtgt tggtgtttta ggtgcagttg tgccacaaac 480
cttccctaaa ttatctaggt ttgmwwtgat smmttaaatt aaaatgagaa aagcaaaaag 540
aaaaaaaaaa aaaaaaa 557

<210> 639
<211> 1269
<212> DNA
<213> Homo sapiens

<400> 639
aattcggcac gagtttgtat tttgagtaga gacagggttt caccgtgttg gctaggatgg 60
tgtctatctc ttgaccttgt gatccacccg cctcagcctc ccagagtgct gggattacag 120
gtgcgagcca ctgcgcctgg ctggttttca tgaatcttga tagacatcta taacgttatt 180
attttcagtg gtgtgcagca tttttgcttc atgagtatga cctaggtata gagatctgat 240
aacttgaatt cagaatatta agaaaatgaa gtaactgatt ttctaaaaaa aaaaaaaaaa 300
aaaatttcta cattataact cacagcattg ttccattgca ggttttgcaa tgtttggggg 360
taaagacagt agaaatatta ttcagtaaac aataatgtgt gaacttttaa gatggataat 420
agggcatgga ctgagtgctg ctatcttgaa atgtgcacag gtacacttac ctttttttt 480
tttttttta agtttttccc attcaggaaa acaacattgt gatctgtact acaggaacca 540
aatgtcatgc gtcatacatg tgggtataaa gtacataaaa tatatctaac tattcataat 600
gtggggtggg taatactgtc tgtgaaataa tgtaagaagc ttttcactta aaaaaaatgc 660
attactttca cttaacacta gacaccaggt cgaaaatttt caaggttata gtacttattt 720
caacaattct tagagatgct agctagtgtt gaagctaaaa atagctttat ttatgctgaa 780
ttgtgatttt tttatgccaa awttttttta gttctaatca ttgatgatag cttggaaata 840
aataattatg ccatggcatt tgacagttca ttattcctat aagaattaaa ttgagtttag 900
agagaatggt ggtgttgagc tgattattaa cagttactga aatcaaatat ttatttgtta 960
cattattcca tttgtatttt aggtttcctt ttacattctt tttatatgca ttctgacatt 1020
acatattttt taagactatg gaaataattt aaagatttaa gctctggtgg atgattatct 1080
gctaagtaag tctgaaaatg taatattttg ataatactgt aatatacctg tcacacaaat 1140
gcttttctaa tgttttaacc ttgagtattg cagttgctgc tttgtacaga ggttactgca 1200
ataaaggaag tggattcatt aaacctattt aatgtccaaa aaaaaaaaaa aaaaaaaaaa 1260
aaaaaaaaa 1269

<210> 640
<211> 691
<212> DNA
<213> Homo sapiens

<400> 640
gggaatattg taatacagtc cagctagatt ctgggataga ttaccggaaa agggaacttc 60
ctgctgcagg aaaactctac tacctcacaa gtgaagctga tgtggaggct gtcatggata 120
agttgtttga tgagctggct cagaaacaaa atgatttaac tagaccaagg attctaaaag 180
tgcaaggcag agagctgcgc ctgaataaag cctgtggaac cgttgccgac tgcacatttg 240
aagagctgtg tgagagacca cttggagcca gtgactattt ggaactayca aagaattttg 300
atacaatatt tttacgaamc attccgcaat ttactctggc aaacaggact caaggtcgaa 360
gattcataac tctcatcgat aacttttatg atctcaaggt gcgtataatt tgctctgcgt 420
cgactcctat atcaagctta tttttgcatc aacatcatga cagtgagttg gagcaaagca 480
gaatactgat ggatgawttg gggctkarcc aggattcagc agaaggactc tccatgttta 540
ccggagaaga ggaaatcttt gcatttcagc gcacaatttc ccgactcacg gaaatgcaga 600
ctgaacagta ctggaatgaa ggagacagaa ccaagaagta actgccactt ttgcataaat 660
aaaactctag acaaatggtt aaaaaaaaaa a 691

<210> 641
<211> 604

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<400> 641
cgcgtcgact ttttttttt caatttcaag gattacgaaa ttcttctgtc ttagttacaa 60
acaaaatgca gctatgaagc actgggaagt aaatgcaaaa tatagaaaga atcttcatga 120
ttctcccaaa ctgtaagcac agctcacaaa gtctcattgc tttagaatgt tttctggatg 180
aacaagttac cagctgcaaa ccgacttcag aagtgaggaa aatgttttct catgtttcat 240
gtagctgtca aattttcaaa aatcctccat ccttcaatca cccagtgggg aaaatgtgtt 300
ataaaacact gccccctgga gtattctggg aggaatgtct taaaaaaaaa aaaaaaacag 360
carggagaaa gtactttcaa attctttact aaccactaac agaatttcta agaagcaaaa 420
gaaaaccaca gaaaggaaat gtacatgaat aaagttgagc aggatgtgta caactttaaa 480
ctgtattgta ttcatgttgc taaacaatat tggccttctc gatgattnta ttcatgttgc 540
tccaaagtta accctgtaga actaagtagg tgaagagata ttttgtataa gtgccacaga 600
agag 604

<210> 642
<211> 961
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (923)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (947)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (953)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (954)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (960)
<223> n equals a,t,g, or c

<400> 642
tagatagaac agatgttttg tgtgaaattt nntatcttta acttaatwaa ccagcaggaa 60
ctgtatgaac acaacacacc caactgacaa acagagagaa ctaacatgtt tatttagctg 120
tatgtatata tgcttaacta cacccgagga agctgtagag ttagaaaaac atgaaccatt 180
aacagatgtg gcctccctgc agaactttta ctttgaaaaa gaagtacgtc tgaaccagat 240
tcacatgttt gatatttgga tgcagagaaa atggggcaga aagcatcgca acagttggct 300
ctgaaggaca gcaaagaggt gcccgtcgtc tgtgaggtgg tcagtgaagc tatagtccat 360
gcagctcaga aactgaagga gtaccttgga tttgaatatc ctccaagtaa actctgccca 420
gctgcaaata ctctgaatga gatcttctta atccatttca tcactttctg ccaagaaaag 480
ggagttgatg agtggctgac caccaccaag atgaccaagc accaagcctt cctgtttggt 540
gcagactgga tttggacctt ttggggatcy gacaagcaaa taaagcttca gctcgcagta 600
cagactctgc agatgtcttc acctcctcct gtggaatcta agccttgtga cctttccaat 660
ccagaatcaa rggtaragga rtcttcctgg aagaaaagta gatttgataa gctggaagaa 720
ttctgtaact taataggaga ggattgcctg ggtctgttta tcatctttgg tatgccagga 780
aagcctaaag acatcagggg agttgtcctg gacagtgtca aaagtcagat ggtgaggagc 840
catctgccag gagggaaggc tgtggctcas tttgtcctgg aaactgaaga ttgtgtgttc 900
atcaaagagc tgctcaaaat tgnctgagta agaaagacgg gctgganaga agnnggcaan 960
g 961

<210> 643
<211> 425
<212> DNA
<213> Homo sapiens

<400> 643
acatggaagc ttttttacca aataactgtg ttgcatcatc ctccagtttg cctggtgtcc 60
ttaatcaatg gaaggggaat aagcaaactg agttttctta caccttttga gtatagtgtt 120
tttgccatca tagatgtggc tcctcataat tctccaactt ttatattaaa aaaccaaaac 180
ctcaaaaatt gtagttcatg tcagtcagtg atgactcatc ttagaaktat tttgtttttg 240
gatgtgtgaa tgtgcatagt tcttaaagtc caacattcat gtaataagac atcttgcata 300
taacaatgac ccttacgtct aagatgttaa atagatccta agcctggtat aactttattc 360
aagtatcctt atttgcccct aaaatgtctt taatacacat tacttgggtt atytcttgaa 420
tgaac 425

<210> 644
<211> 419
<212> DNA
<213> Homo sapiens

<400> 644
ggtttcaatg ttttgtctgt gtctctctga ttattttgct tgttgattgg ccagttgtta 60

attctgtctt tgtgagttgt ctttttctca gtacttggcc tatttgtctt tgatttgaaa 120
aagctcttta tgttgtagtc attttaattc ctgtcatatg ttttgtaaac aatttttcga 180
gttcataatt tttcaatctt gtttgtatta tattttgcca cacaaaaatt ttaaatttgt 240
atagtcaaat ttatcagtct ttttccttat gttggacctt ctaatctcaa ggtactaaat 300
ataatctagc atttttttaa acattaaaaa tttttaatcc atctataatt tattttagga 360
tagggagtga ggcaggggaa ggtatctttt taaataaaaa tcgttgctaa aaaaaaaaa 419

<210> 645
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<400> 645
acagcctaac tttncagcta gacagaatgg ccattaagaa tatttccaaa atccaagttt 60
atcaaaatta ttttgtggga aatcatcaat ctattttatt aatgttatgt gtttaatttt 120
ggacttattt tgggaaaaac tgttcaaatt gggtcctttt aagcttattt taagcagcct 180
agaaggaaga agctacttag ctaatgaaag ctgagacact ttaataaaag caggatctta 240
agagcattgt ttttccttaa aaactttata ctctcagata atctgcaaca acaaaaatta 300
agaaatccct gacttttgta gaattcccac tgtcaaattc tcactgactt atgagtgtga 360
gagaagttat cttttgtttg aattctgata gaacagttta actcctttct aaggatataa 420
aaaattcatt ggaaagtgtg tatatttcaa agactctcaa ttatctggac tgaaggcact 480
gttctcacta tggccagatg aatgggagta ttctgtacat gaatcatgct gtattttaaa 540
tcaggacatc acttaagtat taatgttgtg tgtacagatt tttgttttgg gatttttttt 600
gcctaaataa atgttataaa ttttatgtaa aaaaaaaaaa aaaaaaaaaa aaaaa 655

<210> 646
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 646

gccctctctt ccaatatcca tgtctcatac actatggctt actgttgaaa tccaactggg 60
aagaagataa ttctttgagc aagcaatggt agattcaggc tcctacagaa acagcattga 120
tcatactgtg gttcttcgag agaagctgcc catccgcagt aatatcttcc ctctgatgct 180
ggaaactgtc gacggccatc cacttattaa tggacccata actaaggaaa catcacctgt 240
ccaagttcaa attggaaacc atgttgaaga gctccagttt gacattattc atgcaccacg 300
ataccctctg attattggaa tccattggct tgagacacat gaccaaacat araatggart 360
acccgcactg ngtccttttct atcacgttat ttgtcactac aattgcttca ggcacaggtg 420
ggaatannaa gaaatccgtg atgaaataat tttctggg 458

<210> 647
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<400> 647
aaggctgaca caggagcaat caagaaccca ggagacggtg gttgcagtga gctgagatcg 60
cgccattgcc ctccagcctg ggcaacaagg gtgaaactct gtctcaaaaa acaaacaaac 120
aaatgcattt aactattcct gtgtaacaaa ttntaaaggg angctgtaaa gtaaaggttt 180
ttcttatcca aacagattgc tcttcttgaa aacagcagcc tgyggttatg tcaganatgc 240
aaacactgct gaaggctaca gagagaagct ggtaactggc tgccg 285

<210> 648
<211> 1872
<212> DNA
<213> Homo sapiens

<400> 648
aattccgatt ttatgccagt tgcaccagca tgcagaatat ttgtaatgca tttcaaagtg 60
gatataatgg cacccttttgt cagaatcaca aagctcactg cggcactgct acaagaggac 120
actgaggaaa atctggccct atgaacctag tcaaccccaa gcaaaaagaa tgactatgtg 180
tgtgagtgca gcacatggcc agttcgtttc tcactgtttt ggaaagccct gtgtgccaaa 240
ccaaggacgt gtctttcagg gaaaggttaa ttttccgaag tttattaaaa tagaacttgg 300
aaaaccaagc attttgaatt tattccagtc ctctgggcat cattcctatt tcttctgcca 360
tgtcaaggag aaattccaag cctgcattct gtcatgctaa aataaccagc ccatacttct 420
cggtgacctt ctgttgaacg tacctgagcc tgcaaatgta aaaatgattg tatctgaatt 480
tgcactaatg gtgtctgaga gcaaaaagag tgtgacctct attggaaacc tttgttcaaa 540

ttcaataatt cagagatgct acatacttct gcaagcttcc tgattatgtt cactgtaata 600
ttaatgacct aagtttgaat gtatttcctt acagtccatt aatttgacat ccatctttta 660
cctggggatt attacaattg caataagtca ttaatgtttt cttcacacag cttcttaaac 720
caagtttctc tgcagctctt tcggttctgc ttacagtgtg tgggaaatct gatttttttc 780
ccctagtaat agtttgataa gaaatttagt gtattgactg cctcagtgac acaatttatc 840
tttaaaggtg tggaagctgg tggggaccaa atgttacctg tgtttttgct gttgattgct 900
attttcagaa gcaaaccatg tttttcactt acagtaggag tcaacaaatt tgggatttta 960
gaaggggggag gagggagcta tttgtgtaag actgctgtca tatttgacta catattaaaa 1020
acagtaaatg agcattttgt tttaatttct taaatacctt gtctttcaac atacgttttg 1080
tttccttttct tccattagtg ttcaaaaggt tctacccatt gtggaagaaa ttctgtgtgc 1140
agaattcaga ggcacaaggc tgatggcaag attagaaagt tattttgctt ctaaacccac 1200
cccgatgtgg aaactgatac tagctagagg gagctgtaga aaacaaagat ttcaggattg 1260
cacagtgtgt gggcaatggg atggagactt tttcccctat tcccagccac agtgcccaag 1320
cgttcaagtc ycctggatca gacagatggg attttagctg ctgctttaaa tcctagtgct 1380
ggaataagtc aaggtacytc agttcagctc ttgcctctgt cactaatctt gctttatgaa 1440
ctcctttgat tttctgaata agttccagaa ggttctctat tattctgtcc ttcttccaaa 1500
ctggaaatgg ctgtatctaa ttctcaggat attttggatg tgtgcctcag gtaatttatg 1560
tggaatgtgt aaagcaagat gtctccaatt ctgaatattc cttctccttt tcccaatcct 1620
ccactcttgg actaccttta taacaacacc gagtacgcac agacctgaac ccatgcccaa 1680
gaagcacaca caatgactgg agctgtcggg aattcctgtc agtggcattc cctgagcact 1740
ggctctgtac aactcaatta taatttttta agaatcatac ctctgtatag atcttttgga 1800
ctgtactgat taaactttga tattgtggag taaattcaga agtgcaattt taaaaaaaaa 1860
aaaaaaaaaa aa 1872

<210> 649
<211> 840
<212> DNA
<213> Homo sapiens

<400> 649
aattggaagg gaccttaaag ccctctaaga aagagttggt tagtagcagc tagaagccag 60
gtcttccaaa tcacagtcct aaatgatgaa tgttgaatga tgcactatgt ttttgtttaa 120
atgagatttc ctgaaaatag ttaatttcag aattaaggga aattgatgtc gctatcatga 180
ggcatcataa aaatatgtat tttacaaggt gaaggcattt caagtagata tagttcttga 240
tgaagcagga agaacatgga tctgggattt ggaagacctg gcttctagct gctactaacc 300
aactctgtga ctctgggaaa gggggactca gttcttactt ctgtaacatg aggacaccgg 360
actatttgaa ttcagaactt agaaaattgg aagggacctt aaagccctct aagaaagagt 420
tcgggaatgt tctccattgc tgtcagtttt cctccaaaaa taacctggct tggaagttat 480
tggtccagtg ggaatttgat tccccataga aactggagaa aaggtaatgc aagtagagag 540
gaacagctgt atttctgctt gagtaataaa cccactaaca gattctggta cgaattgtgg 600
agacataaag agaatgagtg tatgtactct aagtgtacca gtttcttcac tctctcctgg 660
cagaagatgc aacactttta gtgattctgg gattctggga tgtgttccta ttaattctaa 720
tacagatgaa gaagatgtgg tagaggaaaa gatggtagca gaaggagtga ataaagaggc 780
aaaacagccc gctaaaaaga aaagaaagaa gggtttgcga attaagggga aaaggcgtcg 840

<210> 650
<211> 823
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<400> 650
cggntttgga gcatataccc aacttttctc tggatgatat ggtaaagctc gtagaagtcc 60
ccaacgatgg agggcctctg ggaatccatg tagtgccttt cagtgctcga ggcggcagaa 120
ccctggggtt attagtaaaa cgattggaga aaggtggtaa agctgaacat gaaaatcttt 180
ttcgtgagaa tnattgcatt gtcaggatta atgatggcga ccttcgaaat agaagatttg 240
aacaagcaca acatatgttt cgccaagcca tgcgtacacc catcatttgg ttccatgtgg 300
ttcctgcagc aaataaagag cagtatgaac aactatccca aagtgagaag aacaattact 360
attcaagccg ttttagccct gacagccagt atattgacaa caggagtgtg aacagtgcag 420
ggcttcacac ggtgcagaga gcaccccgac tgaaccaccc gcctgagcag atagactctc 480
actcaagact acctcatagc gcacacccct cgggaaaacc accatccgct ccagcctcgg 540
cacctcagaa tgtatttagt acgactgtaa gcagtggtta taacaccaaa aaaataggca 600
agaggcttaa tatccagctt aagaaaggta cagaaggttt gggattcagc atcacttcca 660
gagatgtaac aataggtggc tcagctccaa tctatgtgaa aaacattctc ccccgggggg 720
cggccattca ggatggccga cttaaggcag gagacagact tatagaggta aatggagtag 780
gtttagtggg caaatcccaa gaggaagttg tttcgctgtt gag 823

<210> 651
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 651
ggcacgnngg gaggcccagg gagaacgggg aagggacatt tagtttgaga cggtgctgag 60
ataggntcat gaaggaagag gtgaagggaa ttcctgtaag agtggcgctg cgttgtcgcc 120
ctctggtccc caaagagatt agcgagggct gccagatgtg cctttccttc gtgcccggag 180
agcctcaggt ggtggttggt acagataaat ccttcaccta cgattttgta tttgatccct 240
ctactgaaca ggaagaagtc ttcaatacag cagtagcgcc actcataaaa ggtgtattta 300

aaggatataa tgcaacggtc ctggcctatg ggcagactgg ctctggaaaa acctattcaa 360
tgggaggtgc atatactgca gagcaagaga atgaaccaac agttggggtt attcctaggg 420
taatacaact gctcttcaaa gaaattgata aaaagagtga ctttgaattt actctgaaag 480
tgtcttactt agagatttac aatgaagaaa ttttggatct tctatgccca tctcgtgaga 540
a 541

<210> 652
<211> 1655
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1648)
<223> n equals a,t,g, or c

<400> 652
agtctggagc cggcgcgtag gagcgggcgg ccgggctgtg ccctctccta ctcctcaccg 60
cgcgmgcggg gaaccagtar ccgcggctgc ttcggttgcc gcggtcggtg gtcgttatgg 120
attctccatg ggacgagttg gctctggcct tctcccgcac gtccatgttt ccctttttg 180
acatcgcgca ctatctagtg tcagtgatgg cggtgaaacg tcagccggga gcagctgcat 240
tggcatggaa gaatcctatt tcaagctggt ttactgctat gctccactgt tttggtggag 300
gaattttatc ctgtctactg cttgcagagc ctccattgaa gtttcttgca aaccacacta 360
acatattact ggcatcttca atctggtata ttacattttt ttgcccgcat gacctagttt 420
cccagggcta ttcatatcta cctgttcaac tactggcttc gggaatgaag gaagtgacca 480
gaacttggaa aatagtaggt ggagtcacac atgctaatag ctattacaaa aatggctgga 540
tagtcatgat agctattgga tgggcccgag gtgcaggtgg taccattata acgaattttg 600
agaggttggt aaaaggagat tggaaaccag aaggtgatga atggctgaag atgtcatacc 660
ctgccaaggt aaccctgctg gggtcagtta tcttcacatt ccagsacacc cagsatctgg 720
caatatcaaa gcataatctt atgttccttt ataccatctt tattgtggcc acaaagataa 780
ccatgatgac tacacagact tctactatga catttgctcc ttttgaggat acattgagtt 840

ggatgctatt tggctggcag cagccgtttt catcatgtga gaagaaaagt gaagcaaagt 900
caccttccaa tggcgttggg tcattggcct caaagccggt agatgttgcc tcagataatg 960
ttaaaaagaa acatactaag aagaatgaat aaatttacgt gatgagctct acaaggccaa 1020
aaatttttt tcttatctac ctgttatatt gtgctaattt tctatgtatg tgatgtgaaa 1080
tgaagactat atatatggaa tggaggtgac agaaagaaag aaattctttg tttgagggag 1140
acttcccctt tctggattgt atttgtagag tgttacgagt gtatcatgtg attatgcttt 1200
accggtataa gagattctgt tgtgattatt tgaatagttt tatattaata aaagaagacm 1260
aaatttttta aatgttagaa aaagcagatc tgtcattgca aagtaacaaa aattttaagc 1320
ttttaaaaat gtaagatttt tcgtattttt aaaatttgaa tctattttga gctttagntc 1380
agcagaatta aatttttact tgacattatc attaaaattg ctaggtatgg agaacaattc 1440
ctgntttatt ttgaacactg agaaagaggt aaacttttcc taaaacactt tatattataa 1500
accgaaaaat aaattgctag nttatatttt aagatattaa catcatattt tttaataata 1560
cctacatcaa atgggaaaat atctgaaatt ttttttcat tagcanggat ttttctacta 1620
gaaagtagtt taactacttt cattttanaa ccaga 1655

<210> 653
<211> 1160
<212> DNA
<213> Homo sapiens

<400> 653
tggcgctagt ctgaccctcc gccaggcaaa aggaagattg tctttggcta tagagttttt 60
tttttaaaga ttactaaaca tacaggaagt gataagaagt atcattcatc agaagcatca 120
ttcatcaatc aacttgaaga aaaaggtgat atattatttc tttaaggtgc tgtgtgatgt 180
gttaagagca tattagaagg aatggttttg tctaattttc ttcatgagtt atggtggctg 240
agacatcgag tctatatttt ggggcaaaaa ctaaacggca gcacaaaagg aaatctatat 300
taatagaata ttttgttgaa caaaggaggt tagataagaa ctgcaaacca acagactcag 360
caaacaagga aagaaacgtg ttagccataa gacatgtttc aagtgaatcg aagtccaata 420
actgtagact tcagaagaaa aaagttttca aaaattttat caaaacaggt cactgataaa 480
taactcctcc agtaatagag ctaggcctga aaccaraatt aattaaaaaa ttaacaaaac 540
agattgaacc tgaattaaat ttcttttgat aaaaaaactt attaaaaata atcaaaattt 600
tcctcaaatt tttattacct tgtccaaagt aaagcaagtg tcttttagca ttcatgccag 660
cttttctcat gktctaggaa tgacagaaac cttacttgaa gcaaactagt atttttgttg 720
aaaatgkata tcagcatcag ttaaagttga tttttcagac ctgctcctca gtaataatac 780
tagctagtca gcattcacgc ctaccaggac acaaaaatcc tcttcaaaac tactcagaaa 840
agaaagtcat tactcaggaa tgatgtccat tcaggagaaa tcaaaagaga attcctccaa 900
agttactaaa aaaagtgacg ataagaattc agaaacagaa attcaggatt ctcaaaagaa 960
tctagcaaaa aatcaggtcc aaaggagact ataaaatcac aggctaaatc ttccagtgaa 1020
agtaaaataa atcagccaga attggaaaca cgcatgagta caaggtcatc aaaggcagca 1080
tctaatgata aagctactaa atccattaat aaaaatacgg tgactgtgag gggatattca 1140
caagaatcta caaaaaaaaa 1160

<210> 654
<211> 836
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 654
gaaggcctga gagacggcag actgagcaga attccttttt tgagcacgag agcattacta 60
gaaccattgt caaagcagtg gcaagggacg gagaggtccc aacaggagtc aggaagaggt 120
ttgattataa ccaagaaaac tcactatgct aggaatagac tgtgtgcacc agtcccagac 180
acttggcaga agtgtagcag cgttacacat gtgtgcgaas agatcgcagg ttccacgcca 240
tctgcatggc ctgcaggagc ttctgctgct gaccccatgc tgagtggcca gtggggagcg 300
gcgcccggca ggctcttctg gggtcgtctg tcctatccgt ggattgtata tactcttctc 360
tgttaaggag tttttcccaa gaagaaaagt atttaaaaga aataccagtg agtgccttaa 420
agttggagaa gtaactgccc atgcccagaa ataaggatgc cagtgcccag aagcagtgag 480
attagtctgt gtccacaagc agaggccccc tcgatgggag ggagtggcag gcaggagnaa 540
ggtggcgctg ccaggtgccc gggtctattg gaggcgcccc atctcagact tcctaacaca 600
gcctgtgtgg aaggcagaac aaagaatgca tgcccagtca gaaatctgkt ctattctgct 660
ccaggaaaat cggaaacctg tgagtcagag tcagagaaac ttacccaagc aacgtaattc 720
ctgttttcat gggtcctgta gatgtttgag tcaggaggta aggcggggag ttactaataa 780
actctgcctt ttaaattgag catcttggcc gggcatggtg gctcacgcct gtaccc 836

<210> 655
<211> 1188
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1175)
<223> n equals a,t,g, or c

<400> 655
actatatctg gcctttataa actttttga ttcttgtcat aacacttagc ctaaaatgca 60
aatgtacagc tgtagaaaaa tactttattt ctttatatcc ttattctaga agctttttt 120
ctattaattt ttgtttgttt gktttgtttt actatttact tctaaaactt ttttgttaaa 180
aaccatggca caaacacaca cattatgcta ggcatacaaa aggtcaggat catcagtctc 240
actgtcttcc acccccactt ctcatcccac cattgtatct gctgtctgtg gctgaccaaa 300
acatcatcat gtagcacatg actagtgtgg caagtgctct gttagatgta aggccatgat 360
gctaaagcat cacaagaggg catctaaccc agattgggga tgtcatggaa ggccgacatc 420
ctgagttgaa tcctgcaaat gtaaaaacca ataggcaaag aagaggaaca aaaaggattc 480
caggacaaac tgaggtcaca tctatgatcc ttgactttat tgtgtctgtt taaagtatct 540
acagtaacct gtatcaactt agtcagtgta ttaatactaa atttagctcc ttcaaagcag 600
ttggaactat gtgctacata aatttcagct tcacacaagg aagggaagga gtgaaattag 660
tgaacaggca gttacagcaa aagaaaaaac ataaaaattg aatagctggc tctggtgaaa 720
tgagcaagga ctttagagtc aaactggcct ggatttgaat cctgatcctc attgcttgta 780

gctgtatgat ctggacaaat gacagtaact gtttctaacc ttgattttct catctgtaag 840
atgccaattg taactcctaa ggatactgag gatttttaa aatgcgtgta cagttcctga 900
ccagtggttt gtgcctaata acttattaca aattattacc cagtaaaaac cttgagacaa 960
gagtgaaaac gtaaagctaa ttaatccatt acttgttagc aagcaaacta cgtgcttgag 1020
aaaattactc aactttcatg ttttacttcc agacagtagt ttgattaaaa gaaaaaaaaa 1080
aaatccagcc caagcatggt ggcttacacc ctggcacttg gaaggcccaa ggtgggaacc 1140
ataagcttgg agccctanca anttttgaaa actanccctg ggggcaac 1188

<210> 656
<211> 1132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<400> 656
gacgcgtccg ccgcctccgg aactaaacgg ggtgaggtca cattcggtta tctctaacgt 60
tggaaaacga tggagctaac acccattatg gagattaacc acttttcatc aggtttttaa 120
cttaagtcgt gaggaataca acggtgaaca caagattcat tttattttca tcaccatggg 180
acgtatcctg ttgttgagtt ctctgggtca gacctctgaa gacttctcag atggatccta 240
gtctctgggc ttgccntgaa attactcgct gctcagggag agagttgaaa tggttggcat 300
cctcccactc tgttgctccg gctgtgtccc ctcgctctgt tgttccagct atgtcccctc 360
tgttgctcca actgcagctc attctgttag agttcctcat tcagctggtc actgtggcca 420
gagggtgttg gcctgctccc ttcctcaagt attcttaaag ccatggattt ttgtggagca 480
tttttcttcc tggctctccc ttgagttatt ttcctttctt cgctatcttg ggactcttct 540
ttgtgcttgc ggwcatcggt tgagagaagg acttcttctt ccttgtctcc ttggtgttgg 600
ctcgtggttg ctcttcaaca actggactgg aggctcttgg ttttctcttc atcttcaaca 660
agtcagtctc tctcaagggt ctcacgttgc agcattctta ccagaggcca ttgggcctgg 720
agttccagtt ccagtgtctg gagagtccac ctcagctcag caatctcatg ccggttggca 780
attgtcagca gaagccgatg cctgcccatc agttctttac tctgaggtgt tagagtggaa 840
taaaaatata aatacttata ctagttttca tgacttctgc ttaatattgg gtatttttt 900
gttttgtttt gttttggcgg tgataggctt accttacatt aaaccaggcc ttagcctttc 960
tgtggctttg ttatgcaaag cctcatatta ctctctagtc tggttcagca ggacagtcag 1020
gtccacacct ggggctgttt gttttctacg tttacctcaa cataaggtac cttatcattg 1080
tcagccttca tctcctgatc caaaataaaa taaaatgcca caggttactt ga 1132

<210> 657
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<400> 657
aaaaaaaaaa caaaaaaaaa aaaactactt ctaattagct caatattaat attttaacaa 60
gttgggttgg taacagtata tctttgssca tgctggcaaa ttcttgtttt gtcagcattt 120
tccataactc tggccaaagt gtcacctgat gtggcaacgt tttacagtct tgctattgtt 180
tcttgagtcc tttaatctat aagatgtatt tttaaaaata tataacatat aaattttgtt 240
tcgttatagc tctttaaaaa aaaaaaaaaa aagggcgggc cgntctagag gatccaagct 300
tacgtacgcg tgcatgcgac gtcatagctc ttctatagtg tcacctaaat tcaattcact 360
ggccgtcgtt ttacaaccgt cgtgactggg aaaaccctgg cgttacccaa cttaatcgcc 420
ttgcagcaca tccccctttc gcagctggcg taatagcgaa naagcccgca ccgatcgccc 480
ttnccaacag ttgcncagcc tgattgggga atggggacnc gccctgtatc ggcgcattaa 540
gcgcggcggg ttgcggtggt ttcgcc 566

<210> 658
<211> 1178
<212> DNA
<213> Homo sapiens

<400> 658
atccagcggt tgagtctggt gaggagtctt tgcgagagcg aggagcagcg gttactggaa 60
caggtgcatg gcraagagga gcgggcccac cagagcatcc tgacacagcg ggtgcactgg 120
gccgaggcgc tgcagaarct tgacaccatc cgcactggcc tggtgggcat gcttactcac 180
ctggatgacc tccagctgat tcagaaggag caagagattt tcgagaggac cgaagaagca 240
gagggcattt tggatcccca ggagtcggaa atgttaaact ttaatgagaa gtgcactcgg 300
agcccactac tgacccaact ctgggcaacg gcggttcttg ggtctctctc aggcacagag 360
gacatacgga tcgatgagag gacagtcagc cccttcctgc aattgtcaga tgatcgaaag 420
accctgacct tcagcaccaa gaagtcaaag gcctgtgcag atggcccgga gcgcttcgac 480
cactggccca atgccctggc tgccacctcc ttccagaatg ggctccatgc ctggatggtg 540
aatgtccaga acagttgtgc ctataaggtg ggcgtggctt caggccacct gccccgcaag 600
gkttctggca gtgactgccg tctgggccac aatgccttct cctgggtctt ctctcgctat 660
gatcaggagt ttcgtttctc acacaatggg cagcacgagc ccctggggct gctgcggggc 720
ccarcccarc tgggtgtagt gctggacttg caggttcagg agctgctctt ctatgagcca 780
gcstccggca cagtgctctg tgcccatcat gtgtccttcc cggggcccct cttcccagtc 840
tttgctgtgg ccgatcagac catttctatc gtccgctgac ctctggccac aggaagccag 900

gtccaccgcc caccaccctt tcaggccatg tttctactca gtgtgctttt cccaaatgat 960
gtgtgtggtg tttctaagag aaacagggcc cataaccagt gggcagcttt aggagggatg 1020
gggatctgtt tcagatctag gcataacctg taaatcacag gtgtccaaac ttttggcttc 1080
cctgggccac atttgaagaa gaatttttctt gggccacata aaatacacta acgatagctg 1140
atgagctaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1178

<210> 659
<211> 924
<212> DNA
<213> Homo sapiens

<400> 659
gctatagtct gtkaaatgtg cagtagcgtt gtgtcttaaa aaatgtgcat actttaaaaa 60
tgctttattt aaaaaaaatt ctcctgatca tcttgagcct tcagggagtc atgatctttt 120
tgctggtgga gggtcctgcc tctatcttga tggctgctga ctgagcagag tggtggttgc 180
tgaaggtycg ggtakctgta gcaatttctt aaaataagac agtaataaag ttgccacatc 240
aatgggactc ttcctttcac aaaagatttt tctggaagca tgggatgctg tttgataagc 300
attttaccca cagtagaact tctttcaaaa ttggagtcag tcctctcaca ccctgccact 360
gttgtactat gtttatcaat attctaaatc ctttgttgta ggctaaacaa tattcacagc 420
attttcacca ggagtaaatt tcatctcaca aaaccacttt ccaggctctt tctggactgt 480
agagttcttt ccaggctacc ttgtggcagt ttaagagtct ggcatcattt tccgctggga 540
cctaaggatc gaggaggtgc ttgtgactag actgccaatg gacccatcac aaagtttaac 600
ccaaccttga tccccgagtc ttcacaaatg ctcactgaag aaaattccta gaacaattca 660
gggtcctttc ataacctcta ctctgaggyg ttaataaaaa accttagtaa cttaaaaaaa 720
atgagctgta cacaaatact gaacaataat gctacatatg ttaagtatgt aagaaaaata 780
tatactttga cataaataag aaacggtgag ttgataattg gatagaatgg tggatagagt 840
gakagatatg tagtaaagca aatataacaa aatgataatt gtacaatcta agtggttgga 900
ctataaatat gcacttccca caac 924

<210> 660
<211> 813
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (791)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (798)
<223> n equals a,t,g, or c

<400> 660
aggcgagtag catgtgcggg agactcacgt tgccggcgaa gtgggagaga gaaaagtggg 60
ggtgaacaca ctgtggggta gcttcgagat cagcaatgtg agactagccc gggtcatgct 120
gacacagttt gccgaggggc ggctggaaga tcaactggac aaatatgatc actgggctga 180
ccgctttgag gacctgcccc tctatttcat gactttccat ggacagcaaa gcatcaggac 240
tgtaatagat acaatgcaac atgcagtcta cgtctatgac atttgtcatg tgatcatcga 300
caacctgcag ttcatgatgg gtcacgagca gctgtccaca gacaggatcg cagctcaaga 360

ctacatcatc ggggtctttc ggaagtttgc aacagacaat aactgccatg tgacactggt 420
cattcacccc cggaaagagg atgatgacaa ggaactgcag acagcgtcca tttttggctc 480
agccaaagca agccaggaag cagacaatgt tctgatcctg caggacagga agctggtaac 540
cgggccaggg aaacggtatc tgcaggtgtc caagaaccgc tttgatggag atgtaggtgt 600
cttcccgctt gagttcaaca agaactccct caccttctcc attccaccaa agaacaaggc 660
ccggctyaag aagatcaagg atgacactgg accagtggcc aaaaagccct yttytggcaa 720
aaaggggget acgacacaga actytgagat tkgytcaggc caggccccma ctcccgacca 780
gcagacacct ncaagcgntc aaagtgaagg ccg 813

<210> 661
<211> 1718
<212> DNA
<213> Homo sapiens

<400> 661
ggccgggcat cgcaggcgcc ctcctcgggc ctcccggccg ggggcgccaa cggggagagc 60
ccgggggggcg gcgccccctt tccgggcagc agcggctctt ccgccctgct gcaggcggag 120
gtgctggatc tggacgagga cgaggacgac ctggaggtgt tcagcaagga tgcctcattg 180
atggacatga actccttcag ccctatgatg ccaacatccc ctttatcaat gataaaccaa 240
atcaagtttg aggatgaacc agatttaaag gatctcttca tcacagttga tgaacctgaa 300
agtcatgtta ctacaataga aactttcatt acgtatagga ttattactaa gacatctcgt 360
ggggaatttg actccagtga atttgaagtt aggagacgat atcaagattt cctttggttg 420
aagggaaaac tggaagaagc acaccccact ctgattattc caccattgcc agaaaagttt 480
atagtaaaag gaatggtgga acgctttaac gatgacttca ttgagacacg caggaaggct 540
ttacataaat ttttgaaccg aattgctgat catccaactt taacatttaa tgaagacttc 600
aaaatttttc tcactgcaca agcttgggaa ctctcttctc acaagaagca aggtcctggc 660
ttgctaagca ggatggggca aaccgtcaga gctgttgcgt cctcaatgag aggagttaaa 720
aaccgcccag aggagttcat ggaaatgaat aactttattg aactatttag ccagaaaata 780
aatttgatag ataaaatatc tcagagaatt tataaggaag aaagggaata ttttgatgaa 840
atgaaagaat atggcccaat tcatattctg tggtcagcgt cagaagagga tctggttgat 900
actctaaagg atgttgccag ctgcattgac agatgctgta aggccactga aaagcggatg 960
tctggactct cagaggccct gcttcctgtt gtacatgagt acgtgcttta tagtgaaatg 1020
ttaatgggtg ttatgaaaag aagagaccaa atacaagcag aactggattc caaagttgaa 1080
gttttgacct atwaaaaggc agatactgat ctgcttccag aggagattgg aaaacttgaa 1140
gataaagtgg aatgtgctaa taatgccctg aaagcagatt gggagagatg gaaacaaaat 1200
atgcaaaatg atatcaagtt agcatttaca gatatggctg aggagaatat ccattattat 1260
gaacagtgcc ttgctacgtg ggaatcattc cttacatcac agaccaacct tcacttggaa 1320
gaagcctctg aagataaacc ttaatcccat tgaggacttc tgtttgatct ttgggagaca 1380
gcatttatta accaaagtta ttctttctgg atctgccgtg tccttataaa gtggatgaaa 1440
aatgttttgt acccatctgg aaaaccaaca acttgaaatc tcaggtattc caggtcactg 1500
acatgaattt gaagatatat ctatctgtat ggatatatat ctatatgtat atagatatat 1560
aaatacagag agatatctgg cttggtttta attatgttct taaatttgtg tgccaataat 1620
tgcatataga ttttttttct taaatatttg actgtggaac atgccatttt aaatatgttg 1680
taaggactgt tttaataaaa agtttagtat gaaaaaaa 1718

<210> 662
<211> 1114
<212> DNA
<213> Homo sapiens

<400> 662

gcggcggcgg cgcaggggct ggtacgcgct gggcggcgag agctcatggc ggaggaagag 60
agcgaccaag aggccgaacg cctcggagaa gagcttgtgg ccattgtgga gtccccgctg 120
ggccctgtgg ggcttagagc tgcgggcgac ggcagaggcg gcgctggcag cggcaactgc 180
ggcggcggcg tcggaatcag cagtcgggat tactgccgac gcttctgtca ggtggttgaa 240
gattatgctg gaagatggca ggtccctttg ccacagcttc aggttcttca gactgccctt 300
tgttgtttta caacagccag tgcatcattc ccagatgaat gtgagcatgt acaatatgtt 360
ttgartagcc ttgctgtgag tttctttgag ttgctgctgt tctttggaag agatgagttt 420
tatgaagagc ccttaaagga tattcttgga tcattccagg aatgccagaa tcacctccgc 480
agatatggaa atgtgaatct ggaactggtg actcgaatca ttagagatgg tggcccatgg 540
gaagatccag tgttgcaagc tgtccttaaa gctcagccag catctcagga gatagtgaac 600
aaatatttaa gttctgaaaa tccactgttc tttgaactac gtgccagata cctaatkgct 660
tgtgaacgca tacccgaagc aatggctctt attaaatctk gtataaatca cccagaaatc 720
agtaaagact tatacttcca tcaagcactc ttcacatgtc tgtttatgtc acctgtagaa 780
gatcagctat tccgggaggt attgtttgag actatttttg cctattacca ttttaaccct 840
accaaaaaaa aaccaaaaaa aaaaagtagc ccactgttgt tgttaaattc cttttacagt 900
aatgccaaag atttaaggat tacattatct ggatgtgttt tcttttggca ccataactta 960
aggtcatgtt gaattagtca aaatctgata ttaacaaatg atgaaatcaa taaaatatac 1020
tcattaataa gtattattca cattgcactt ttgatgtgat ggagaagagg tcaaataaaa 1080
gtcaacaagc tcacagcttg ccaggagtaa aaaa 1114

<210> 663
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<400> 663
gattaaaagg atggctcttc ctaangtaat ttactctttg ttggttttan gaaatctttt 60
gcatgtatan ggtataaaac aacaactgtt tatatgttac ttccattagc cgatgaacta 120
gyggktaaat gatgcttcaa atagaaaata agttaattcc actaatagat tgtgttttca 180
ttaaagtcat aaacatgaaa taacacttta caaagttcat tttgttgagt atcttgcatt 240
actgtgaatt atattgtaaa gtagtttaaa gtttaacatt aaagataaaa ttattatttt 300
tgctgttatg gtatgaataa aaaaatttga ttaactttta a 341

<210> 664
<211> 285
<212> DNA

<213> Homo sapiens

<400> 664
accatggcag tacacaggcc gccgccaatc tgcttaacac caaccagctt gacgcgcgca 60
gctttcacca tcgcgtcaga agcctcaatc agtgcaacca ggccccgggt ttcgatcatt 120
cctaatgctt ccattgtsct ttcctcttta tcagggtcca gaacgggacc gttcattcaa 180
ccagtgtttg taaactgctt tcgcggttca ctwctgtctg acgcggcaca gctgccacca 240
gcgccagctc gataatttcc tgcacgctac aaccacgaga gagat 285

<210> 665
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (589)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (608)
<223> n equals a,t,g, or c

<400> 665
atgaaaaata acagattata tatagtttga actatttttc gtgtgctttt ttaaacttgt 60
taaaaagaaa tttatataaa atttaaaata caaatgttaa attatccaga aatacagaat 120
agttaatatt gctagaacca aataacctct aaaatgtttt tattttggta attttgtcat 180
gctaagcact tttgtatctg cacaattcag taggttaaga atcaatcttc tttttcttaa 240
tagtacagca gactttagct tcaagtttca taggcttagt acttatatct agacatttgt 300
gtctaaataa gcttttcatt aacttttttat tttaaggaca gtatcttttc atgaaagagt 360
atttggctga atgtttgcta tatatatgtt acttgaaatg ttaaatttaa tatgcagcat 420
accataggtg tatatatagg tatataattt taaggttaaa atattcagtc tacaagtttg 480
gttccttatt taagcttttg ggctaatact gcatatggca caatgtttta atattggcaa 540
kttcatctca raraagggga tcaratataw ttttaaagtt naaaaaaant tactgaaacc 600
tccccctnaa aagcctacct ttatttaaac c 631

<210> 666
<211> 1529
<212> DNA
<213> Homo sapiens

<400> 666
aaaatttgct gtaataccaa aactaacctc atcaaagata cagaaaaaaa gaaatatagt 60
gagccctaaa ggacacatac attgaataaa taattggaac atgtggttat ctttagatcc 120
acatcttagc tgtcatttgt tcactctaaa actgatgttc atctttctgt taatttccct 180

ctgcctaaag actacatgac agaaatgacc tatcactact tattatttct gaagcctaac 240
tgcaagactg atttctgaga acaagtaaag aactggaata cttatttttc atataaaaat 300
ctaaatgtgt taataaatca tttcatacaa aagtacatta ttaaataacc acattattaa 360
aataattgca agaaaatgga ccatatttac aatgttttgt aaacttgcta gtgtgtggat 420
atgtacccta cttgtgaaat acatttgaag atataaagag cagccaaaat gatggcaaaa 480
tggtaggcta atattttcta ttattattgg agaacatatc atattttgga atcatgcaat 540
tttgcacaca gtgaaaccat taattttcca aggtaattcc tttagaatat ggtattggca 600
tgcagtttct tacttatcta gaatatttgg cttatctgaa agatatcaat ttaagatctc 660
tggaagtgtt agaatttttg atccttcaca gtgtcaatat ttaatgaatc actaagcttt 720
atttattaga cgtgttgagt gagtgctgag ttccttgctg ccacttttgt taccattgtc 780
acacactatg tgtaaaccag tcccaccact tattactaat aaaattttga ctgataattt 840
atatttgcac ttacaatata tatatcctgt ccttatattt ctctagagta cattttccat 900
catgtttaag tgtatttctg ctattatttc ctctcctgca gaatacatac aagtgtatgt 960
gtataaagtc atacatgtac aagcatgcat attgagattg aatcacattt ccatactgtc 1020
tgttatttta ttgggkttta tattgggttt ctttagttta tgttgttttc tcaaaagcag 1080
cattttaaat tacgratact ggacttattg gatttaatta taaatccaat tactactgga 1140
aactcatttt tacataatat agtccttaaa ttatttaacc cttgctaagt aattgacata 1200
tgtaacaata actagcctaa agaaacscwa aaaaagtatc tctcccgagc tgaaacttaa 1260
aaattcgtaa gtgtaagaaa gaatgtgaga atatattaaa tgcacactgt accattagat 1320
gaaatcttac ttgagaaatt gccataagcc atattacaga tcttactttg ttactgaatc 1380
agattaattt cttgttataa taatttttcat cataaatttt ctatttttaa agccgctggt 1440
actagaaata ttcttttaat gctatatcta tgtacctact gacacatttt tctccataaa 1500
agtactttta aaaattactt catgatttg 1529

<210> 667
<211> 1020
<212> DNA
<213> Homo sapiens

<400> 667
tcgacccacg cgtccttaag tttttcaagt tatccttttc tgaggaaaat tattctagag 60
gaacctaaaa agggacaaaa aaattgaaac ttcttaggag tctaatcttg gtgccttctg 120
ttaaaagtca gtgtatcaga aaagaaagca gccatgtaag aggctaactt aartagaagt 180
gctagaaata tctttgtgta ttaacatgca ataaaaggta ccattcaaag caggggaaa 240
ggtaggaaga agaggtaatt tttactgaaa attagggcaa tgttggtcgc cttttattaa 300
aagctttttt taagctttca taaagattgc tttttgctat ttttgaaaat atggtattat 360
agtttgtatg gtaactggtc atatatgaca gtctactgca tatatatgaa tgactaggat 420
taatctggtg tgtttacata ggatatacat agttgaaatc tagcatgaaa ggttaaaaag 480
gagatactgc acaatatttc ttaaaagtaa aatgctgtta ttgtgatgag tctttggttt 540
aacatcacag tattctgtga tgtcttttta acttttgga aagaggtatc atttgtagaa 600
aaaatttgat ttgggttaaa tataggtttt taaaactata aatgttgtct tttttatatt 660
tttatgaaaa agcagtagaa aattactttt gaagaaaaca ggctatttaa atattgaaat 720
atatgtatgt tgtgagttta aggagcctgt aattgtcagt tttacaaaac catctgtgtt 780
caatggttgt aaataaattc tcaaaacatc atttcaaagg ctgcctacag aatattatca 840
cttgacagat agagttaata aattaccaat caggcacatt ttataatgtt tgtctctgta 900
aaggtaatat tagcagttaa agaacacgga tgagaaaaga atgtgttaca taggttgcat 960
cacttgcagt taaataaaac tcacaatttg tgctcacagc aaaaaaaaaa aaaaaaaaaa 1020

<210> 668
<211> 810
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (793)
<223> n equals a,t,g, or c

<400> 668
ggcacaggnc atttttaagt gtttagagtt ttttggggtt tggggtggtt ttttttcctt 60
gttttccttt tttcctttta attggatgca ctgacctggc ccaggaaatg aagagattct 120
cttttgatgc tattaccaat gttatcataa agtgacagtc acctgtaaca aaaaggtggc 180
accagacatg atcactgatg ttttatttgc acatcaatat ttttatttct gtattctggc 240
tcagctgctt ctctgagtgg agttaaggaa tgagccacaa agatttttgt agtaggtata 300
ttggcattgc attttatatt cctctatatt taattttgaa aacctaaaag aaggattgtg 360
catcttgaga gaaagttgag caaattgtga tctagcggaa tgttaatttg tgctgcttct 420
tgtgcacgat agcagcagta gtatctctct tggaaataaa catcccatat tatgatgtct 480
atgaatatag gtttcctttt cttccttccc tccctccttc ccccaccttt ctctttttct 540
tttctctctc agcttctctt ttcctccttc cctcttccct tcctctttct ttacttttct 600
tgaaatcact tattgtaaat aagttgtaat ccaaacctca tgtatcaatg gggaatttte 660
aaatataaat attaccaatg cattttctgg ktggtggctg atttttgatt gaagataatg 720
agaatgacat gtctggtgct ttkggttgag gactcgctta gctcataaac tttkggattt 780
tagaattcaw tgnttaaccc ggaaaaggcc 810

<210> 669
<211> 2501
<212> DNA
<213> Homo sapiens

<400> 669
taaatatgca tatagtagag tgcaaaaata tagcaaaaat aaaaactaaa ggtagaaaag 60
cattttagat atgccttaat ttagaaactg tgccaggtgg cctcggaata gatgccaggc 120
agagaccagt gcctgggtgg tgcctcctct tgtctgccct catgaagaag cttccctcac 180
gtgatgtagt gccctcgtag gtgtcatgtg gagtagtggg aacaggcagt actgttgaga 240
ggagagcagt gtgagagttt ttctgtagaa gcagaactgt cagcttgtgc cttgaggctt 300
ccagaacgtg tcagatggag aagtccaagt ttccatgctt caggcaactt agctgtgtac 360
agaagcaatc cagtgtggta ataaaaagca aggattgcct gtataattta ttataaaata 420
aaagggattt taacaaccaa caattcccaa cacctcaaaa gcttgttgca ttttttggta 480
tttgaggttt ttatctgaag gttaaagggc aagtgtttgg tatagaagag cagtatgtgt 540
taagaaaaga aaaatattgg ttcgcgtaga gtgcaaatta gaactagaaa gttttatacg 600
attatcattt tgagatgtgt taaagtaggt tttcactgta aaatgtatta gtgtttctgc 660
attgccatag ggcctggtta aaactttctc ttaggtttca ggaagactgt cacatacagt 720
aagctttttt ccttctgact tataatagaa aatgttttga aagtaaaaaa aaaaaaatct 780
aatttggaaa tttgacttgt tagtttctgt gtttgaaatc atggttctag aaatgtagaa 840
attgtgtata tcagatactc atctaggctg tgtgaaccag cccaagatga ccaacatccc 900
cacacctcta catctctgtc ccctgtatct cttccttttct accactaaag tgttccctgc 960
taccatcctg gcttgtccac atggtgctct ccatcttcct ccacatcatg gaccacaggt 1020

BNSDOCID: <WO___0122920A2_I_>

gtgcctgtct aggcctggcc accactccca acttgaccta gccacattca tctagagatg 1080
gttcctgatg ctgggcacag actgtgctca tggcacccat tagaaatgcc tctagcatct 1140
ttgtatgcat cttgattttt aaaccaagtc attgtacaga gcattcagtt ttggctgtgg 1200
taccaagaga aaaactaatc aagaatataa accacattcc aggctgctgt tttctctcca 1260
tctacaggcc acacttttac tgtatttctt catacttgaa attcattctg ctattttcat 1320
atcagggtac agacttataa gggtgcatgt tccttaaagg tgcataatta ttcttattcc 1380
gtttgcttat attgctacag aatgctctgt tttggtgctt tgagttctgc agacccaaga 1440
agcagtgtgg aaattcactg cctgggacac agtcttataa gaatgttggc aggtgacttt 1500
gtatcagatg ttgcttctct tttctctgta cacagattga gagttaccac agtggcctgt 1560
cgggtccacc ctgtgggtgc agcacagctc tctgaaagca agaaccttcc tacctattct 1620
aacgtttttg ccctctaaga aaaatggcct caggtatggt atagacatag caagagggga 1680
agggctgtct cactctagca accatccctc cattacacac agaaagccct cttgaagcaa 1740
aagaagaaga aagaaagaaa gcttatctct aaggctactg tcttcagaat gctctgagct 1800
gaatgctctt gctcctttcc caagaggcag atgaaaatat agccagttta tctataccct 1860
tcctatctga ggaggagaat agaaaagtag ggtaaatatg taacgtaaaa tatgtcattc 1920
aaggaccacc aaaactttaa gtaccctatc attaaaaatc tggttttaaa agtagctcaa 1980
gtaagggatg ctttgtgacc cagggtttct gaagtcagat agccattctt acctgcccct 2040
tactctgact tattgggaaa gggagaactg cagtggtgtt tctgttgcag tggcaaaggt 2100
aacatgtcag aaaattcaga gggttgcata ccaataatcc tttggaaact ggatgtctta 2160
ctgggtgcta gaatgaaaat gtaggtattt attgtcagat gatgaagttc attgtttttt 2220
tcaaaattgg tgttgaaata tcactgtcca atgtgttcac ttatgtgaaa gctaaattga 2280
atgaggcaaa aagagcaaat agtttgtata tttgtaatac cttttgtatt tcttacaata 2340
aaaatattgg tagcaaataa aaataataaa aacaataact ttaaactgct ttctggagat 2400
gaattactct cctggctatt ttctttttta ctttaatgta aaatgagtat aactgtagtg 2460
agtaaaattc attaaattcc aagttttagc aaaaaaaaaa a 2501

<210> 670
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 670
ctcacttcgg gcatgtgatc ctgggtatca ggtgttacat tatatagtat tttacagagg 60
aagtagctca gcaaatttaa ctggcctcag agtctgtggt tcagttggtt tgcacagggc 120
taaaagctgg tgagtgggtt atacaccatc acaaaggatg cccattcttc gcagtgactg 180
cagatgcgtg cggacggaga gcacaaggat ctcactatca tttctccctg ctaactccta 240
gaaagctttc cactttcttg gacacgttat ttaaagtgtt atagtttgtt tttttaaact 300
tgtgttcaga aaacacttac caccatattg cttcactgta ctattccaat tcagctcctc 360
tgttacccna actctatatn gtgcttggta aactattcca tgaaatttan taccnggaag 420
aaattaggc 429

<210> 671
<211> 1482
<212> DNA
<213> Homo sapiens

<400> 671
cagggcactg agtgattctg gatgggcttc tgacctgggg acaatttaaa cagcattaca 60
accgacattt tggttttctt ggggatttta taggccaggt acaaagcaga aagtgcatag 120
aagatgtgat ccactttgcc tgggaagaga agctctttct cctggctgat gaggtgtacc 180
aggacaacgt gtactctcca gattgcagat tccactcctt caagaaggtg ctgtacgaga 240
tggggcccga gtactccagc aacgtggagc tcgcctcctt ccactccacc tccaagggct 300
acatgggcga gtgtggttac agaggaggct acatggaggt gatcaacctg caccctgaga 360
tcaagggcca gctggtgaag ctgctgtcgg tgcgcctgtg ccccccagtg tctgggcagg 420
ccgccatgga cattgtcgtg aacccccggg tggcaggaga ggagtccttt gagcaattca 480
gccgagagaa ggagtcggtc ctgggtaatc tggccaaaaa agcaaagctg acggaagacc 540
tgtttaacca agtcccagga attcactgca acccttgca gggggccatg tacgccttcc 600
ctcggatctt cattcctgcc aaagctgtgg aggctgctca ggcccatcaa atggctccag 660
acatgttcta ctgcatgaag ctcctggagg agactggcat ctgtgtcgtg cccggcagtg 720
gctttgggca gagggaaggc acttaccact tcaggatgac tatcctccct ccagtggaga 780
agctgaaaac ggtgctgcag aaggtgaaag acttccacat caacttcctg gagaagtacg 840
cgtgaggacg cctgagcccc agcgggagac ctgtccttgg ctcttcctcc caatgcccgt 900
caggctgaac tcgcctcccc cgtgactctg cctcgggcct cgcagaggcc gctggtcact 960
tcgtcatcat tttgcccctg gagacgtctt tctttgtgcc ttgatgttga gagcgcctct 1020
cttttgagca aacaagcatt ctatatgcaa ccagagtaga ggggacctgc tcagcaggtg 1080
tgaccagggt tctctgaatc tgttattgtt tttgcttctg gaaagttcat ttggggttta 1140
caacaactag gatgtgttgg gtgagatgtt tcagatctgg agaaatgagc aggtgtcggg 1200
aaatgtgtga cttaaccgtg gtgagggctg gaaatccaaa ctcaccacca tgatctgtgg 1260
catcaggctt ctcccagtac aggagggtgc catcccccag catgcggctt ctctgccatt 1320
agcagccctg ggcgggccga ccacactcga ggctgcggtg ctacgggctt agcctcgcct 1380
ccctcactgg gagcttcccc atcctccctg ccttccccag tgggaagtta gggaagctca 1440
ggagcctggg accccgcatg tcccaaaatg ggattggaga ag 1482

<210> 672
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (596)
<223> n equals a,t,g, or c

<400> 672
aattcagcac gagatgtcac attgaagaat ttcttcatga tacattttca ggcacacttg 60
taggaaaatt aggatcatga gtcctgcttt aagtatttgc agtgtagtaa gagaatccat 120
cttttactag gagaccagat tccttttata cctcattcat catgctggat tgtaataaat 180
ttcagatttt ggaatgggct tatttaactg acctaacaat cttgatgatt tccattagaa 240
taacttattc taaggtcaaa agtggaaaga cactgttggt ttttatttg atttcactat 300
actcattttt gaacatggaa atacagtggt gaaaccmctt atgcaaaaat gataacagtg 360
aggaaattat gacagtgaaa gagatctgac ctaactatct atcttgcctc gaaactgccc 420
ttggtcgttc ctgagtgtgg gccaagctaa ctttgggaga aatttacttt ataggttaaa 480
ttataatagc ccttccccna aactaaacgg attctcctgc ctcagcctcc cgagtagctg 540
tccttataat accatcagcc tatcatttat tcgtcatggt atggnttggt tcccanatcc 600
cctatcc 607

<210> 673
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<400> 673
ccattcaacc cagtacaaaa tccaactgaa gcccagcaag tggctcatgc ctgttctatc 60
tctgaggaca gttgtgattg gatttagggc ccatccagtt agtccaggat gatctcatct 120
caagatccta aatctgatta caattgcaaa gatccttttt ccaaataagg tcacatgcac 180
gtaagttccg gggattatgc ttgcgtggga cacatctttt ttgaggccac cattcaaccc 240
actacaaaat ccaactgaag cccagcgaag tggctcatgc ctgaaatccc cgcactgtgc 300
gaggccaagg caggagggtc acctgaggcc aggagttcaa gagtagcctg ggcagcgtag 360
ggagrtcckc atctcttttt tttttcgana tggagtttcg ttcttgttac tcaggctgga 420
atgcaatggc gcaatcttgg ctcactataa cttcctcctc ctgggttcna 470

<210> 674
<211> 1110

<212> DNA
<213> Homo sapiens

<400> 674
ggcagagctg ttttggagat tgattgggtg ggtctagagc cagaattcat atttttaata 60
tgcattccag gagactcctg cgaatcagat gcatttggaa atcattgcac taagtcatac 120
ctctgggtac tccaaacagc tagtcctgag gcttccttgg gccttagaat tttttcttca 180
aatgtcctgg tgaggtccct ctcaatcctt tggggctggc tgtggtgagt cactcagaag 240
tctggctgtg acctgggatg ggctcaccag agtacgctat ggtagtggga aaacaggcag 300
agagaaagga gtgtcaggag cactcccagg gaggctgttg tagatatttc cattcccaga 360
acagtgatct attgtgacag tctcagaaca gacaacaaga attacaggta attttctcat 420
tctcttgata tatttttagc aaaacttaaa tcatgaatag aaggaaaaga tgccattggg 480
gaaatagaaa aactcaatca ttttataaag catacaaatc ataaggatga ctggccaata 540
gcactcccac tttggtctta cctaaagttg ggtggacaag aataataaaa gtcctcaktt 600
tatatccttc caaaatcaga tttaaatgct gccagcatct taatggaagt ctgaaattga 660
ttgataggat gtagaaatcc aaattcacta aaataggggg ccagctacat aaagtcctag 720
aaggaaaaag tgcctcgctt ttttctgcca ttatcctacc ccctagtcat ctggggaatt 780
gatctatgaa gcttgaagaa ggggcattta acatcagagt ggtgcaaggg cagtgttgag 840
atgctttaag cagcagcctg agctttagca ctatttgaag gggagaaggt taatactaat 900
aatatttgtg ttatttttat gatatattac tgtttacaga acactttcat ttgatcccaa 960
catcaactgc tgtgatagag gcagggcaga tgttgtggtc tcattacata gaatgtaaaa 1020
ctgaggttga aaaatactaa gtgacttgtc tgtagtcaaa tggtttttaa aattataaag 1080
ccaggccttc tgactgtcaa aaaaaaaaaa 1110

<210> 675
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<400> 675
ggcacgagcg gcacgagcta gttcctaatc ttaatctagc ttcaacattg ccctgcttgc 60
aaatttacta ccttttaaaa tgacttgaat cttctctatt ttcacagttc ttgtctattt 120
tttccctgta acagtttgta tgaacactaa tgtggtgttc aaccctccct ttcaatttta 180
gagaattgga ttctatattg gaacgtcact taaatttttg agtcctcaaa accaaccttg 240
ttggnntggg 250

<210> 676
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 676
tgggggctct ggactgtggc tcacccgctt cctccacacc ctatttcacn ggcctggagc 60
tcccagggga ctngaagctg gacgcgccct acaacttcaa ccacccttty tccatcaaca 120
acctaatgtm agaacagaca ccagcacctc ccaaactgga cgtggggttt kggggctacg 180
gggctgaagg tggggagcct ggagtctact accagggcct ctattcccgc tctttgctta 240
atgcatccta gcaggggttg ggaacatggt ggtgggtatg gctggagctc acaccacgaa 300
gctcttgggg cctgatcctt ctggtgacac ttcacttgtc ccattggtta acatctgggt 360
gggtctatta cttactgtga tgactgstgt ctcagtgggc atggtgttga tccacggggt 420
actgtgataa ccaccatgtg ccatgatggc tgctgcagcc ccgtgttggc catgtcgtca 480
ccattctctc tggcatgggt tgggtagggg atggaggtga gaatactcct tggttttctc 540
tgaagcccac cctttccccc aactctggtc caggagaaac cagaaaaggc tggttagggt 600
gtggggaatt tctactgaag tctgattctt tcccgggaag cggggtactg gctgtcctta 660
atcattaaag gtaccgtgtc cgcctcttaa aa 692

<210> 677
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 677
ttgatacgac tcactatagg gaaagctggt acgcctgcag gtaccggtcc ggaattcccg 60
ggtcgaccca cgcgtccgat tgttttgtat tttctagagt tttatataaa tggaattaca 120
tagtatgtac ttttctttat agtctggctt ctttcactca aataattatt ttgagattct 180
tctctgttgt tgcatgtata aataattcat tcatttttg tagtaatatc ccattatatg 240
ggtataccaa aatttatcat tcatttgctg atgagcattt gggttattta cagttttatt 300
tacaawtaaa gctgttacga atattagtgt acgagtcttt atatggacat atattntcat 360
tt 362

<210> 678
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (87)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<400> 678
aggattcagg ctgcagaaca taagacacgg aaagacgaaa aacgcaaagc tgaggaagcc 60
ctcagtgacc tcagacgtca tatgaanctg naagtaggag atctgcaggt gaaccattaa 120
aaagctaaga aagctcgaag aacaatcaaa aygcgtaagt caaaaggaag atgtggctgc 180
attgaaaaaa caaatttatg atttatcaat ggaaaaccag aagttaagaa agacctttta 240
gaagcacaga caaacatagc ctttcttcag agtgagttag atgctttgaa aagtgrttat 300
gctgatcmga gtctgawtac tgaaanggat cttg 334

<210> 679
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (590)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<400> 679
gcaggaaggg tagaggggac tggagttggc taagttctct ttctccaagt caggtaagac 60
tctggtgcag ctttttcctt tggtggtctg gcctttattg tggaaaatgc tatgggttca 120
tttcaaaatg gctatctttc aaacctgagc atatttcaaa atagttactt ttttcctgcc 180
catggtcaaa caagagagtt ttcctctgtt cttcgccatg agaacctggt agggcatctg 240
aaggtaaaat ccgtgaatgt atgagggctg cctttaactt aaacttgaaa cctcccaggg 300

gattttatct cacaagcctg atcagtgttc aagytccaac agytaatcaa ttatcattta 360
agcattctta gctgctcatg cctccagcag tttcaaatcc tggcaaacta tgattctgtg 420
tatttgcccc tcgctccagt ttttggggca tgagtttttt tctgtaactt ctggtctctg 480
atggatctca gaaaattcat taatttttcaa tttgtacatc ttttctcttg gtaggacagg 540
aatgatcatt tacaagctct ttatatgtca nagcccaaat canaagctgn aataatccca 600
naaattgggg ttt 613

<210> 680
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 680
ggaaccaggc tgtggtcctg acctccagca gctgccagtc atcttggcaa catagaaaat 60
caaggaaacg gcctaaaggc aggcagaagt gtgtgtcagc aaggtcccaa ctatgtaaga 120
tggacacgag ggactcacct tcagggagga aagagccggg gcagaacgtc aggagactgg 180
ccaaaggtcc ttccctgcct tcaggacgag actagactcc tcagtcctgc atttmaggct 240
cctgccaccc gcctgctgct cactgatccc tccctcccac tgtcggcctc catccaggtg 300
gcagtgcctg cgctttgtma ggctctctct tgtctctgca ttttgcacaa gctctgacct 360
anttaccgaa atgtnctnca accacctnca tcctgcatgt 400

<210> 681
<211> 585
<212> DNA
<213> Homo sapiens

<400> 681
caaagggttt tctttgaaga caggtsaaat gctgttagta agtttcagga gattgttaat 60
tcctcagtta taccagattt tataaaatat ttgagaatag atggctaaca agaggttaga 120
aatacttttc cttaatttta atccacagta tgttacatgc attctaccac tacattttgg 180
tgctatttaa ggtgtgcamt tttctatagg tgacttttgc aattcaggga agatttgggc 240

atattaaatg aaagaatatc taattggggg aggtgtgaag ggaaagaaat tcttttcaaa 300
agctgaccac aaagagkagt taaaagtttt tgtcactatc ttcacaagtg tgtaaagcac 360
agatttcaac agagtgcttg gcatattgka gggtgctcaa tggtggkttt tattattatt 420
actcagattc cacagtggca agaaacatca ttctacataa tggaaaacat ttacatcaaa 480
tcccacttac tttaatgcga acttggagat aatttatggt attgtattgt aaaccattaa 540
tgaaaacttt ttcacagttg agtgaaatta aaatcactat atctc 585

<210> 682
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 682
ttgcagctat acaaaatatt taaaatctca agtattcacc ctagatagag ttattatcta 60
agcattttat cttatccatc tcaaaaagaa aagaaaagaa gactctgacc tgtactcttg 120
aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaaacttta atgaactaac 180
tgacagcttc atgaaactgt ccaccaagat caagcagaga aaataattaa tttcatggga 240
ctaaatgaac taatgaggat aatattttca taatttttta tttgaaattt tgctgattct 300
ttaaatgtct tgtttcccag atttcaggaa actttttttc ttttaagcta tccacagctt 360
acagcaattt gataaaatat acttttgtga acaaaaattg agacatttac attttctccc 420
tatgtggtcg ctccagactt gggaaactat tcatgaatat ttatattgta tggtaatata 480
gttattgcac aagttcaata aaaatctgct ctttgtatra cagaatacat ttgaaaacmt 540
tggktatatt accaaaactt ttgactagaa tgtcgnattt gaggatataa acccatаggt 600
aataaacccc 610

<210> 683
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<400> 683

BNSDOCID: <WO___0122920A2_I_>

tcatattttt antttttttt ttttctgtta tacaaagagc agattttat tgaacttgtg 60
caataactat attaccatac aatataaata ttgcacaagt tcaataaaaa tctgctcttt 120
gtatgacaga atacatttga aaacattggt tatattacca agactttgac tagaatgtcg 180
tatttgagga tataaaccca taggtaataa acccacaggt actacaaaca aagtctgaag 240
tcagccttgg tttggcttcc tagtgtcaat taaacttcta aaagtttaat ytgagattcc 300
ttataaaaac ttccagcaaa gcaactttaa aaaagtctat gtggtcagtc actactcttg 360
ctgcagttat gaaaaanaat gangccaagt ctgatgaaaa taaacttatt ttgaa 415

<210> 684
<211> 653
<212> DNA
<213> Homo sapiens

<400> 684
ttagcttctc attgagattc ctagaggtgc gttcgagttt tcagagtaat tttccagacc 60
aaccagcgtc agtgggaaat ctgacctctt ttggcaaact gcgatcattc attttcctga 120
gtcccctggt gggtgggggg aattctgcct caggaccctg aggggtcttt ggggcaagat 180
ggccttggta atgcagccac taagaacagg acttcattca aaggcataat gaagtaacca 240
gggtgaccat caagtaaaat taaagcacaa gatcattgta ggaggcttcc ttgtcaaaga 300
cgtgaacgtg ggatttccaa cgcaccacgg tgtgtccact catcactgca tgttaggaac 360
tgctgtctct ttgggacacg agttaaaaga acacactaat ttctggagtg tgcctgcagc 420
ttcacggcct tcatttgtt actaagttat tttctggaag aacagcaaaa atttcaggtt 480
gaaaacagaa ctttccaagt gctactgaaa ttccgcagag aattacgctg cgatggtggg 540
tttcttaccc tagaaacatc ctaacctgta tccacagaag atgtcctttt attttttaa 600
aagatcaata aaatcaagag aaacgaaaaa aaaaaaaaaa aaaaaaaaaa aaa 653

<210> 685
<211> 319
<212> DNA
<213> Homo sapiens

<400> 685
gttcagcctc agcacgcctg cacccaggcg ctcattaaaa cagcatgttg ctccccactg 60
cctcgtgttg tctgttggcg cgctgtcggg gttcgaaccg atacaagaac cttccaccta 120
cctggtgctt tggcctcatc tataagcttt tccactgtcc tgaaacaaga tagaraatct 180
gagcggccag tcatctgccc taagtgctgc cgccgaagac tgaatgtcct ggaaagtttg 240
ctgtcacatc tccattatga caaaagcatt gtgccgaaca gatgaaaaaa tgcattgtca 300
acggaatctt ttatgttag 319

<210> 686
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (260)
<223> n equals a,t,g, or c

<400> 686
gcctgttctg gacctgtata aaaatgtcta cacagtagaa gtgacatcaa ggtttaataa 60
gtatatcaat gattggcaca tataaaaatt gttgaaccac atactctgaa cttggctaat 120
ttagttactg caggcctcca ttatccagtt ttatttttta cacgrttgac cttgccttgt 180
agctggtgct gtgtagacct gtgttgraaa cacaatcgga atatatgaat aattgaataa 240
acagcattat ggngaggcan agacacatgg agaagtgtta a 281

<210> 687
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<400> 687
gctggtcagt gcagccccat tctgacatta ctatgaggtc ctggatatcc attccttggg 60
gaggaccagt aagacatctg ctccatccct ggaactggat aattttggaa nataaaccag 120
ggacctagcc aacagaatgc cttagcaatg cccaggggtc aatgggcgtg gcattctt 178

<210> 688
<211> 337
<212> DNA
<213> Homo sapiens

<400> 688
ggtaggaggc aaagcagtgg gtcctcctca ccagccgctt acgggaccct gccatgcctg 60
gacccctcta tcaggaagac ctaccccagc actactggaa aatcagccaa tcttaaccca 120
aagatggcca tgatttctgt atgtgagacg tcttaagggt gtttttgttt gttttaatca 180
gccctcttgt ttgagatttg gcaatacatt tctgttttct argttatttc tgtgtctgat 240
ggtwgargat ctaataagta ttggaatgct tcctatttgc tgatagaakt accaaatagt 300
attattgaag tctaacaaag acttttgttg agaacac 337

<210> 689
<211> 1135
<212> DNA
<213> Homo sapiens

<400> 689
gccgaatagg tgtttccttc attgatgatg gaagtaatgc aacagagtaa gtaccattcc 60
aggagtgtct aaagccgagc tttgagtgta catgattgat aggacttgaa gaataaaaat 120
agaaacaatt gacctctcag gtgagaaagt cacacaaaac aagctactgt taaaagactg 180
aatattttta gttttctgta aattatcagt tatttttttcc agtctcctta gaaaaatggc 240
aacacagatg gtagctgcac agcttgcatc aatggtgtgg aataacccaa gtcagcaaca 300
atttatgcaa tttggaggaa gctctggatc acagttgcct caaatccaga cagatgttgt 360
acttccatca tgcaaaaaaa aagctcctgc tgaaactcct gtgaaagaaa gacttttttat 420

tgtgtttaat cctcatcctt tacctttaga cgtattagaa gatatattct gtcgttttgg 480
taacctgatc gaagtttacc ttgtgtcagg aaaaaatgtg gggtatgcca agtatgccga 540
tagaataagt gctaatgatg ccattgccac tctacatgga aagattctga atggggtgag 600
acttaaagtt atgctggcag attcgccaag agaagaatct aacaaacggc aaagaactta 660
ctgattcttg agtggccctg aagctgcact atgttggagg tttccttgac taagagaacc 720
acatgcggca ttcagctcag taggggagtc ataaaagatc tcgcctctga ccagaagagt 780
atgaatgaca aaggtgacat aaccagcaca gaaagatgtc ttagcctctg cacatcagct 840
gatttagaat acttatgtag atagcggttg gggtcggggg ggtscggaat gttcttttca 900
gcttctttgc ccygagaact ttgatcttat tgcaaggaag tcccttaccc tcttctaccc 960
tagatctgat ggacctcctg ggatttcctg gggaaatraa atgagtctaa caccttgac 1020
cacctgctgg atattatatc agcacttact taagtaagct gtggaagagc tgaaagcagt 1080
attcagagtc tgacagttct ctgcaattgg cctagataaa ctcattgtga aataa 1135

<210> 690
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<400> 690
aagagcgaaa ctccatctca ggaaaaaaaa aaaaaaaaag tatattctaa cagacagatc 60
agaggtctaa gagatcctcc cttgctatta ttacctgaag tctgtagaac tgtttacaga 120
tatctccttg acaggtgtcc tttatcttac tttatctgta cagtaatcct gtgagaaaga 180
caggacagaa accactgtgc ctattttaca gatacgaaaa ctgagacaca ggtaaagggg 240
cttgtctgta gtcccatagc tagcagatgg ctggagccaa gactgaggct cgttcttcaa 300
tgctgagcca gggtccttcc gctgcaccac aagaacgcta gaccactcgc caccagcctt 360
ttcattccct cttcctccat ttaancaatt ttaagctggg tgggcctccc aaagggcttt 420
gggaaana 428

<210> 691
<211> 1287
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1285)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1287)
<223> n equals a,t,g, or c

<400> 691
aagaaatcgg gcgctatata cctgtaacag gagacagawt tggacamcaa ggrttttaag 60
agycattgcc cattgtaaag cattaagcca gagctggtta ttcattatca gactaactac 120
atactagtcc atgctagtgt cagcctatat taaaatagtc tttccttgcc atagtgctgg 180
cgaaaaccca atcccttctg atgaaacatt gcttcttggg aagacaagct gaggaaagca 240
atgaagatcc cagtgtcggc ctttattgag ctatgtatga gggtcagggt ccctcaactc 300
ctagtgacta tgaagcagca gtgtgatggc ttcgccctct ttgcccctct gtcatcaatc 360
ctttgcatgt ggctatttta agcttctcag ctttcttttg ggaggcttca tgtgtaactt 420
attatagaaa tgttactgaa aagctgccta aacaaaaaat tgtataaagt aggaatttgt 480
ataaagtaat actgttgtaa atccatcttc aagatgtaaa gaatcaattt gtaaagtgta 540
tattttcact tctcccttca aatttatgtg aacaagtttt tcatgtttca atattgctta 600
cataggaata caccttacgt ttttatcagt ataaatggaa catttaaaac cagtcaacaa 660
cagaacagat aatccagctc cctgtttgtg ttctgggtta attttgcaag gatgaagggc 720
tagaaagtgg tgagtttggg tgtgtttctt attttcagga taaccggctg cattgcagta 780
gaggaatgga atggtgaggt catttgacct gttccaggtg agtggaggcc aaagaacatt 840
gtttctgcct ccccttggat gggaaaattg agaaattaaa aagttgcctt tccgaggaaa 900
caaaagttat tttctctatt taaaataaat gtccaaaggc acccctctaa acaccaaaac 960
ttttagctcc tggcaaactt acctagctag aagttggaga agagtgcggt ttcaaaccat 1020
gcttcctttc tgcccttgcc aatacgttct cactgactgt gattctgctg tgaacacaca 1080
cacacacaca caaacacaca cacaagcccc ttctgtgtat gatcaggaca agtagttcaa 1140
cagttaataa aaaagttaaa ttattggatg agaaagatat atttaaccta aatcataaat 1200
atgtawatcc atttaataaa cactaaaatt gagaaaaaaa aaaaaraaaa actcgagggg 1260
ggcccggagg ccaattcgga nctgnan 1287

<210> 692
<211> 351
<212> DNA
<213> Homo sapiens

<400> 692
cctgtctcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagccct 60
ggtgttccaa actcagtctt tcctgaagaa gaggatctga gttatcttct gaaacagcgt 120
tctcccttcc cagttgtatc actcttataa aaagactgtc cagtctatgt catgccctag 180
gagacaaact gttcctccca gccccctttg agtattgagc agaagaatca aattattaaa 240
tacgtatgtt tgtacagaat ggtatttgtg tatgtgtgtg ggcttagaga ttcacaagta 300
aatattcctt tggtgaagga atttcaataa aaacatctat caagtgtcaa a 351

<210> 693
<211> 1204
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

BNSDOCID: <WO__0122920A2_I_>

<222> (1010)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1080)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1201)
<223> n equals a,t,g, or c

<400> 693
ggcaaggaca aagaagattc cttttctggg agtttgtctt gggatgcaac tagcagtgat 60
agagtttgca agaaactgcc ttaacttgaa agatgctgat tccacagagt ttaggccaaa 120
tgccccagtt cctctggtga ttgatatgcc cgagcacaac cctggcaatt tgggaggaac 180
aatgagactg ggaataagaa gaactgtttt caaaactgaa aattcaatat taaggaaact 240
ttatggtgat gttccttta tagaagaaag acacagacat cggttcgagg taaaccctaa 300
cctgatcaaa caatttgagc agaatgactt aagttttgta ggtcaggatg ttgatggaga 360
caggatggaa atcattgaac tggcaaatca tccttatttt gttggtgtcc agttccatcc 420
tgagttttct tctaggccga tgaagccttc ccctccgtat ctggggctgt tacttgcagc 480
aactgggaac ctgaatgcct acttgcaaca gggttgcaaa ctgtcttcca gtgatagata 540
cagtgatgcc agtgatgaca gcttttcaga gccaaggata gctgagttgg aaataagctg 600
aaatgaatac atgactggga ataatgggga ctgcctgtga ggcctctgaa ataattgaag 660
gcaagatgaa ggaactatct gaagaaatca ctacactctt agagaatccc tctgttctcc 720
agcaaacatg ggatgtaaag cctcacaggg aatctgataa tacatacttc tgtcaaccag 780
aaccagaggg gtagttttct tttccctcca gaggcagcct ttggtactta aaatatctgt 840
agctgattaa atttttccca acaacctcac tggggagaaa gtgtgttcat gttttgtcca 900
gcggatcagg atgttaggat gacgagcaag agtccaggtc actgtgcctt tgctgtgttg 960
tatggaaagg atggcaggga acatgctgta agtaattttg agtaagaaan tgagtcactg 1020
tgttacctgg aactcagcca cagatttgtg tgtggtccaa gatcattgca gtttctcacn 1080
ctgtttattt cctggtaaaa gtaaaattga ataggtccaa gacttggggg tggcaagtaa 1140
ggctttgcct caagcacaaa atttaagggg gctccaaaaa actcaggaat ccaaggggg 1200
nggg 1204

<210> 694
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<400> 694
gccagcccag gtcttggagg agcacaatct agtgttctac acaatgggtt tttccatggg 60
tctccaggag agctattata cacccagaag atccagcctt taccagcgct ctctcctttt 120
tctctcttgc tcccctccc tatgccaagg agtaggcaaa gkttgacatt tcgcacctcc 180
attgcccasc tcattctaag gcctttattt aaaggtggat aatggcacat araaaanttt 240

ttctataaca ggttagcaca tttcctatgg tgctttggaa ttt 283

<210> 695
<211> 2733
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 695
cacgagcaaa ggtgacagct tccggcaact gatgcctcca ctggccactc ctccctccgt 60
ccacctgtca cttcgggtag ctgggaggcc agttaaaaaa aatggaacct ttttcctswg 120
acactttcgt ggcattacct ccagcaacag tcgataacag gattattttt ggaaaaaatt 180
cagatagact ctatgatgaa gtacaagagg tggtttattt tcctgctgta gttcatgata 240
acctgggaga acgtcttaag tgtacatata tagaaattga tcaagttcct gaaacatatg 300
ctgttgkcct gagkcgccca gctggttgtg gggggcagaa atgggagcca atgagcatgg 360
agtttgcatt gggaatgaag ctgtatgggg aagagaagaa gtttgtgaat gaagaagcac 420
tattagggat nggaccttgt tcagacttng gccttngaaa gagctgatac agytgaaaaa 480
gccctcaatg tcattgtttg gacttactag aaaaatatgg ccagggtgga aattgcacag 540
agggtagaat ggtatttagc tatcacaaca gtttcctgat agctgatagg aatgaagcct 600
ggattctgga gactgcaggg aagtactggg cagcagaaaa agtacaagag ggagttcgta 660
atatttctaa tcaactttcc ataacaacca agattgcccg ggaacaccca gacatgagaa 720
actatgctaa gcggaaaggt tggtgggatg gtaaaaagga gtttgatttt gctgcagcat 780
attcctatct tgacacagcc aagatgatga cttcatcagg cagatactgt gagggctaca 840
agcttctaaa taagcacaaa ggaaatataa cttttgaaac aatgatggaa attcttcgag 900
ataaaccaag tggcattaat atggagggag aattcctgac cactgcaagc atggtttcta 960
ttttacctca agactccagc cttccttgca ttcacttctt tacagggact cctgatcctg 1020
agagatctgt ttttaagcct ttcatatttg tgccacatat ttcacaacta ttggatacca 1080
gttcaccaac atttgaactt gaagatctag ttaaaaagaa atcacatttt aagcctgaca 1140
gaagacaccc actctaccaa aaacatcaac aggcattgga agtagtaaat aataatgagg 1200
aaaaagccaa aataatgttg gacaacatga ggaaactgga gaaagaacta ttcagagaga 1260
tggaatcaat ccttcaaaac aagcatcttg atgtggagaa aattgttaat ctctttcctc 1320
agtgtacaaa agatgaaatt caaatttatc agtcaaattt atcagtcaaa gttagttctt 1380
agtgatcata tggtcagcta atattagttc ttagtgatca gtggtcagta atcttcaaag 1440
tcagaatcta tcaccttggt aaattatata aacctaactt gagcagatct gattattctt 1500
ggatagtatt caagtggtat cttgactatt aaactacgta tagtgttgct gaaatagaaa 1560
gaaaacagca ttggaattgg attcatgtat cgtgggatac aggtgttatt tcaggtgatg 1620
tacttgcatt attttcttta gccatagtaa ctttttgtca caataactaa gtattcaatt 1680

atatataaag agtgaaacat taaaatgacg catggattta tatttattat aattatgtag 1740
taccctcaaa tcattttgtc agttacatca agaaagcaga tttttcttta gtcatgaaaa 1800
atatctcaag tggtaagttg tttgtgcttt aggcaaacat taaccagctc taacaagaaa 1860
aatgtctaga tttacacatt gtcaatacag tatattagtt ctgcaaatgc acttttgtta 1920
aactcaaaca tgctctttgt caagacttgg ctaaccagtg agcttgtagc tctgattatc 1980
tagcattttt agggtcattc tccttaatag gcttttatgt taataagata tatttttaga 2040
agagcttgtt tgggagatta gagaataaga taaaagaacc aaaaccttag gatatactgt 2100
ttctgggtct gaaatctctc tcattgttta cttctgttca ctcagtgaaa acagaaacaa 2160
gaatgaggta gtggcaatga aatagaatta ttagtatatt atgaacatta taacattttg 2220
aacactataa tgcattatat attatgaact tttatgaact ttatacatga gtaatagctt 2280
cctaaagttt ataaaacatt gtttaggtta cataaagatt accaagtaag actcaaaatt 2340
gcaaatataa acaaaagaaa aatccaactg aaaataacac taagtatttt tgagtttcta 2400
gaatgtccat tttggtattt ggttacatta tcatatttac tagtcactat cagcacaatt 2460
aggttaataa agaagtgggt cattatattc aaagagtgct caggaagtta tgtgttcaaa 2520
gttctctcat aaataccatc gtctgcctga tactgctctt gtctaataga gggttgacat 2580
tacaaaagaa aagatgtctg actcaagaac tcagttgatt ctgtttgcct taagtttggk 2640
tcagtgatag gctgtcttct aacccctata ctcctcttct ctcctttaat agatgaggra 2700
actaagggca aacagttcgt tacacttacg gga 2733

<210> 696
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<400> 696
tccctatagg gaaagctggn acgcntgcan gtaccggtcc ggaattcccg ggtcgaccca 60
cgcgtccgct ctgaaaatga tctacagcac gatccagaag aaatgaactt tgtgggaaaa 120
gaacaaaagg ccacccaaag aggccaagct gtgatggaaa agaaaaccaa caggatgaga 180
tgaaagggga gattaacaag cwawataaga attgcaagga aatgaaatgc taggcgactt 240
acaatccttc ttgggggcag tgagagcggt gatgctggat gtgaaatcag tgacatggaa 300
ggcaaactgg aaaccctgga tgaaagtgta tcatgcacag aataccaaaa aagataaatc 360
cagaagacac agagccagtg ttggttttcc tgaggaagag acagcttgaa aaaaggtctg 420
tgtttgcaga ccaatacctg aaagtaaaty caaaggaaac agatccgnca ctagacacat 480
ggtggcaaaa atgtttaata accaagtgtc angggtagaa aaagaatggc cagatagaat 540
gngcgccctn ccctgncccc tctatcccaa gaagg 575

<210> 697
<211> 948
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (930)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (936)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (945)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (948)
<223> n equals a,t,g, or c

<400> 697
cacgcgtncg gtctcagaaa aaaagaaaat tcaaggccag ttaagacaaa atgctatgac 60
tttgaaattc acagaaagaa ataacagttt agattaggtc ttcaggtatt caggatagag 120
ataatctcct gaaaaacctg aatttcagag attcttagac tggctgccaa aggatgaagc 180
tagtgaagga gaaaaagctt aaattccatc ttgagctctt ggattgtgat aatacaatga 240
tttcattaac ttttcatttc tgtatacctg ttcatttgga atttaatgct tgacttcttt 300
gttcattttg gatctaaact tctcttttct tccttcccca ttcacatcta ttagaagact 360
gcatcaccat ttctttggcc cccttactct gttgtccttt ccctttttctt tcagtttttt 420
taatcgcatg tctagtatat taagtctcca tagccctcct gatgcagtag acagtgctat 480
gctgtggata taataccaac cagaaattgg catttataaa cctgttaaga gactttaagc 540
atgcttcaag aggcagttga cccactggaa tttctataag gctggtaccc ttcccagagt 600
tacagaatct trggtgccgt ctctagtctg tgagggagga actcccagca tccccattgc 660
ccacaaatgg aatcctcact gtatccacta ggagattaga aattaaggtt tcttcactac 720
ttctatggta gggttgtctg aaattccctt tcaggctgtg ggtactggtc ttgggttcta 780
gtcataaggg gttccttata aggagcaggc ggaggggagt acactttcat gtgatttaat 840
tttgatcctg ccctctccag ctgctccttc aaaagataca tcaaaagata gaaactctgg 900
gctgggcaca gtggctacac actttgggan gccaancggg ggggnttn 948

<210> 698
<211> 1494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1494)
<223> n equals a,t,g, or c

<400> 698
agatggtttg agcccaagag ttcgaggctg cagtaagcta tgatcgcatc actgcactcc 60
agcttgagca aaagagagac cctgtctcta aaaaaaaaaa aaaaaaaaaa aaaagaaaga 120
aaactggagt gctagaacta ttttaatatt gaatatgttt tttctagtaa tgtttttcac 180
ccttcttaca gatgttcgtg agcagcagtg gattgccacc aagtccagtt cccagtccaa 240
gacgattttc aagcaggaga agtcagagtc cagtcaagtg cattagaccc agtgttcttg 300
gtcctcttaa aagaaaaggt gaaatggaga cagaaagtca gcccaagaga ctcttccaag 360
gcactaccaa tatgttatct ccagatgccg cgcaactgtc tgatctcagt tcatgktcag 420
atattttgga tggcagtakt agcagcagtg gcttatcctc agacccgctg gctaaaggca 480
gcgctaccgc agagtctcca gtagcatgct ccaattcatg ctcttcgttc atcttgatgg 540
mtgatctctc acccaagtga cttaaccatt tctgattcaa cgttttaact gctgtttcct 600
acataaaatg tttagtgggg aacgcagaga actttgatcc ataatgagga ttaaagtttt 660
acagatttca cacattctga tgctattatt actctttggc atctctcttc tccaaagttc 720
aattttgtga gcctagtgac cttactagta tctggttttg ctgatctcat tttggattta 780
gtgattaaat ctcaaatgct gatttttgat tgcttagagg aatctttttt cttagtgcct 840
caaaaaacac ctattttgag tctatacatt taagaaaggc actgatgtgt attgccttta 900
atggtccttt tccgcagcag tgatatgaca gatttgatca gaaattctct tgcttgagag 960
attttttttt gtcctctgtt gactacatag tttcaaatct ctctttattt catgatgata 1020
tataaattgc ttttaattat attaaatttt tatttttctg catcagcttc aagtacatta 1080

ttttgtttcc ctttcctgtt tgagccgctt atgccatttc tcacagaggg gaagaaatac 1140
gtagttgctt tcattactct tattgcttct ttgctgttgg ggtgtgtgaa gtgagcattg 1200
attttagtgc tgagaatgta aacggactta caggatgctt ggattagtca tcacaggttc 1260
ttatgacttt gctaccacag ttgatatatt tctcctcaaa cctgttgccc taaggaatat 1320
ataaaatatt gttgatattt ctaggtggtg ttatcaagga gaagaaattc ctgccttgac 1380
cagatgtgtg gagcatctac aaatgaatga atagttattt acacacaaac cactgtgtac 1440
aaaagcgtcc atggagctgt cagtgtctcg agtggtatta tgaggcctca ggtn 1494

<210> 699
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<400> 699
gaaagggttc aagtaaatgc aaatgatgtt ttggcaacct tttctcaaaa gatwctgcat 60
tggaatacag actgtaatat taaactacta tgtgtatatt gtttctacas ttgtatacac 120
cgtartgtct tttacaggta tataaggtca atggccctar tctaattcag atttaaacta 180
gtgcttgcct tgtaactctg caagtgatca ataatctctt aatactgaaa gtcmcaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagggcggc cgntntaaan 300
gag 303

<210> 700
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<400> 700
gcaccaattc tggaatgagc ccaaactgag acgcagggga cctgagttct aggcctggct 60
ctgccgtggc ttgctgacct tggagaattg gagaagcttg tgccctgctg gaaagtggga 120
tggcagtacc cgcttcatct agtagtcggg gagatcaaga gaggtatggg acctgaagag 180
gatggcagac tgtgcagtgc ggtgcacacc ggtctccagg ttgttttcac cctcctgtct 240

cctcccagga gctaacgtat aaagctgagg ctcggccagg gactgtgata tacccacatc 300
cccggaacta ggtgatcgcg gtgcaggaac caggtgtgcc ttcgcgggat ccatgccttg 360
aggcccagga acgccccgcc gccagcatgc cgtgggacgc gcggcggcct gggggtggcg 420
cggacggcgg gcccgaggcc tcgggcgcgg cgcgctcgcg agcgcagaag cagtgccgca 480
agtcgtcgtt cgccttctac caggcggtgc gcgacctgct acccgtgtgg ctgcttggan 540
gatatgc 547

<210> 701
<211> 2401
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2354)
<223> n equals a,t,g, or c

<400> 701
ctacatccag tgacctatca gggatgcttg ttattttata caagctgctt tgttatcata 60
tcagcattct cttcagccag ctccaaggca gatagtcacc cctctctctg tgtggttggg 120
gtgggagcag gccccgtgga gggagcggtg ctgaggacat gtccctggcg ttccgatgct 180
gctccatcga ggacccccctg gcctcaggag gaaggagcag gcgatgcagc cccttagtgt 240
ggtcgtgttg actgacaggt ggctgatgcc tgagcgcgcc ctcttcttsc rtcttaggag 300
acaccgtggt gaagaggaag cctgcttctc tgatggcccc tctgaagcgg aaggaggagt 360
tctccttgtt caaggtgtct ratgatgaat ataaagtaac aatctcgcct casctgctct 420
tggccaccca gcgcttcctg tcccgaraag tggatgtatt cagcccgctg cgcatctctg 480
agaaggtcct gctgcacctg ttgaagcatc ccagtgtcaa ccaggaagtg aggtttgacg 540
agagcaaccg gctggccaca caccactacc tgtaccagcg cancagccgg tggattactt 600
cattctcatc ctgcagggca gggttgaagt ggagatcggg aaagagggtc tgaagtttga 660
gaatggggcc ttcacgtact atggagtgtc ggccctaact gtgccatcct cggttcacca 720
gtccccggtg tcctcgctcc agcccatccg ccatgacctg cagcccgacc caggtgacgg 780
cacgcattca tctgcgtatt gtcccgacta caccgtgagg cgctctctga tctgcagctc 840
atcaaggtta cgcgactgca gtacctcaat gcactcctgg ctacccgagc ccagaacctg 900
ccacagtccc ctgagaacac cgacctgcag ttattccagg cagccagacc aggctccttg 960
gtgagaagac caccacagcg gcagggtcca gccacagcag gcccggcgtc ccggtggaag 1020
gcagccctgg gcggaaccca ggcgtttaaa cggstcacta ggcagcccca gatctgggga 1080
acaratgagc acgtggggag ctggagtgag ctgagcagaa gttttgtgcc cgcctgcccc 1140
catcccctcc aggccacgtt ttagatggcc cttgtagttg cgggtcctgg gtgtcctcag 1200
aactagacat caatgcctgg atccttcagc cggccctgcc ctcctttagg agacaggagt 1260
caccagggca cagcctccag gcccgcctca ggaaggaatg aaaggaatgc catcatctct 1320
agttcccagg gcccagcctt ccccttctcc cccggggcag ggacagtgcg gcatattcag 1380

attcagacct ctttgggctg agccaccttg tgagtgcagt tactgccttt gtgtggccgt 1440
gacctctatt tgtttgcttt taatttgcca acctatcgct gctggcagca ctttttgagc 1500
aagccgagag cacccatttt ggctgggggt tcagatcgat ggccttgtcc atgttgtcct 1560
ttctggcttc cctgatggtg tcatgtttca gcgcatgcgc cccagccttt cccatgtgcc 1620
aaaccagaag ctccactgcc cgtaggctgt ccctgtagcc ctgctccctc cctggaggct 1680
gctcttctga ttctgagagc tggcctagtg gtgctgaggg ccccttttctg cttctctgcc 1740
cacctgctga gttgccactc gcagtgttgt cagttcccgt gttctgagaa gaggtcatgc 1800
ctgggaggaa gggatcgtca tgctgcatcg aatcctctct ccgccgtgtg gcccccagga 1860
gagtagctgc ctgttgcacc tgctccacac ctccccacag cctccctgca ggtgctgtgt 1920
ggccgtgatg tgcagagagc agtgagggag ggttcatgaa ccaggtggat cctctttaaa 1980
aaaaaaaaag tttttgttat atctctaraa catttcaagt cttttccttt ytttctgttc 2040
ctagctatgg ggttttagag aagtgggaac aggaaggcat ttgtcttttt cttctagttt 2100
actacatttt ccttccgtag ttcttcagct gtgtggaaac gggcatcaca aggacatagg 2160
atcatagatt gggtagggag ggaggaggat ttctggaact tttctcaaag gaatttggac 2220
ccttataaat gggactgaag gtcaaaacaa cagtgatatc cttgcttaga aattgtcctc 2280
aaggaataaa ctctgagagc aagcccgggt tggaaacaga tgctttaaaa tcctctctcc 2340
anaacagtgg tttnttgttt gtttatttga gatggagtct cactctgtca cccaagctgg 2400
a 2401

<210> 702
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (654)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (689)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (702)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (712)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (716)
<223> n equals a,t,g, or c

<400> 702
gcttggccta tgaaaagatt tagacaacca gacgataata gtgggaaatt tcaacactcc 60

actgacagtg ttagacagat cattgaggca gaaaactaac aaagaaatgc tggacttaaa 120
ctcagcactt aaccagttga aactaataga caaatacaga acactccacc caaaaggaat 180
gcttatacat tgttggtgga aatgtaaatt agttcaggca ctgaggaaag cagtttggag 240
atttctcaaa taatttaaaa cagagctacc attccaccta gcaatcccat tattgattat 300
atatccaaag gaaactagat cattatacca aaatgcactc atatgttcat caccatgcaa 360
ttcacaatag caaagacatg gaatcaagcg aggtgcccat caatgatgga ttggatgaag 420
aaaacatata tgctatggaa tactacacag ccctaaaaaa agaatgaaat caagttgttt 480
gcagcaacat aaatagagct gaaggccata gtcctaagta aattaatgca ggaacagaaa 540
accaaatact acatgttctc acttacaagt gggaactaaa cattgagcac acatgaacat 600
aaacatggga atgatttgac actgagcact actttgaggg gaagagagag ggangttgac 660
atgggttgaa aaaacctacc tattggggna cctatgtttg cntacctggg tncaan 716

<210> 703
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 703
gatcctaaat gcttgggacc aaagtatttt ggatttttc agattttgga atatttgcat 60
tatactttaa tgagcatttc ctttgagcat catgttggtg ttctaaaagc ttcagatttt 120
ggagcatttc acattttgga ttttcagatt agggatgctc agcccgtata gggaaacttt 180
agaacattat agaaatgaac aaaaagaaag caaacttgaa tgcagccata taggacatat 240
acttttggtg aagttagagt aacagtggat ttacttttcc cttgaaatga caaacaaaaa 300
aaaaaataca gaaatatgaa gcagtggttt ncaggcgnca gagtcaatga tgaaaaacaa 360
tggcctgagc ccaatgttgg ctccagcttg agaatttcta ggttgcctat a 411

<210> 704
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (698)
<223> n equals a,t,g, or c

<400> 704
ggacawtacc aggcaaatat tgcagaactg actcatgcaa acaaccgagt ggatcaaaat 60
gaagcagaag taaagaaact aagattacga gtggaagaac taaagcaggg actcaatcaa 120
aaagaagatg agcttgatga ttccctgaat cagatccgta agctccagag gtctctggat 180
gaagagaaag aaagaaatga aaacttagag actgaactca ggcacttgca aaactggtaa 240
ttttttcaca aaatatgctg aattaaagat tagggcctta aagacatttc catatccttt 300
tcttaaatat cagtaaaatt gtttttatta actagaaata ttaatgaaaa aaacgtagac 360
aatacacaaa ttaatgggct tcttcacttc ttctaatttt tgcctaacag atactgcata 420
ttctcaaaaa gacaatttaa atgtcattta aaaacaactt taattctaag atgtgtaaat 480
attttgaaag tcaaaaaggg ctttcagaat acttttttaca taaaatctga agagttataa 540
tatcggtaag aaaaagtagt tgaanaccat acaagacgct gggtcattaa taagaaaacc 600
attgacttta gtataaagta ctggtttgtt taaagattgg taaactttta tgtacgtgtt 660
gtctatgtgg tggggatggc aggttgtatt aacaaaantg aatccttcta gaggtgtacc 720
attac 725

<210> 705
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<400> 705
ggggcccaca cccaggtggg ggcccatggg gtggagacag agaggtggct ttaaaaaaca 60
cagctgtact aattcttcac tccatgggcc cacacccagg tgggggagga ggaagccact 120
gcatctgttg gctcagggcc ccagcctgtg cgagcagggc gcctgggctg ttgtgtctcc 180
tgtctgtgcc gatctctatt aaaggactcc ctcttggtgg gcaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
angggnggcc gttttaaagg atccaagntt ac 332

<210> 706
<211> 726
<212> DNA
<213> Homo sapiens

<400> 706
ggcagaggtg actgtcaaag cttgacccct gctttgattc cctttgttga gacaggttct 60
tataggacct ggattctcac cacatcctct gttctgttta gggaacacaa aggtaagctc 120

agctctgtgt ccaggagtac cttatagtcc tctcccttaa ctgtgtctgt ttcaacttga 180
tccaagatca ggattagtac aagcttgtaa aaaaaaaaaa aaaagtttwt tttttacaaa 240
atagaccaga tgcactttga agttaaagtg catgcttaac catctgcaat tcctaaggtt 300
gagctcaatg catcacatgt agtagatgtt caagaaatgt ttgttaaatg ggcagttgta 360
aacagagaca gtgccgtgtt tatttcgttt tccagaaagg cacctgactc cttgctttgc 420
acataacagg tgctcaagaa atgttgaaga aaaaagcaaa ttgctttgaa tgcagtgtat 480
cctaaaacca gatttccagg ttgccccagt actctgtaca ggcctccatt ttggctgtta 540
acacagtgta tcttttgtta cattaaaatg ggtccacgtt tgcatctcct ccgaaattat 600
aaactcctgg gagtgcaggg atgtgtctca tacattcttc cttgactttt ccacagcata 660
ccttagcaca gagttggata tgtagtagat gttcaatgga gaattactga attttcttaa 720
aaaaaa 726

<210> 707
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<400> 707
gggttgggcc aatgggtcag gcatccagtc agctctggct aaggggtgaa ggagtcaggt 60
gttaccaacg tggtggcagg ggccaccttg aagctgtgtt ctgtgccatg gaagaaggaa 120
gaggaggagg aagctaagct ggaagggaag gctcctggag tcagtagttg gaatctcaga 180
tgggaagaaa ccttaaaagt catctggtcc agtattttcc aaagcatgtt ccatgaactt 240
gttttccaga aatggtttcc tggtctggtg agtgggagyt csatgagagt ggcagttgtc 300
tattttgttc accgatgtat cttangtgac taaaacaatg gttgtcacat ggctggccct 360
tcatatttgn ttccagatgg aagactctct ttctagtggt ggaacattag ttttgcactg 420
tgttgggaca acctgatgta gtgaaaacaa gcctgggcaa tgaaatcaac agattggaat 480

tcaattccta attgggtcat tggatgactt tgtgaccttn ggcaaaatna nttacctttt 540
tgaatttgaa taa 553

<210> 708
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<400> 708
ggctgcaggc agcaacgcaa gtcaggctga acattcagtc tccagagaca gctgtgtgga 60
gcaaatcaga gttcatgccc aagtccccag gttggaatgg ctgtgccaaa atccattcaa 120
agggttttct ttttcattac taggtcagaa cattttgagt caccttggga gattcaggat 180
ggggagagca aatttgaaca aaaggttttt cttatatcct gagattgagg ggtagggggt 240
gtncaacctg natag 255

<210> 709
<211> 1075
<212> DNA
<213> Homo sapiens

<400> 709
ggccggcctc caggctgaag aaggacccgc cccggccttg acccgggccc cgcccctcca 60
gccggggcac cgagccccgg ccctagctgc tcgccctac tcgccggcac tcgcccggct 120
cgcccgcttt cgcacccagt tcacgcgcca cagctatgtg tccccgagcc gcgcgggcgc 180
ccgcgacgct actcctcgcc ctgggcgcgg tgctgtggcc tgcggctggc gcctgggagc 240
ttacgatttt gcacaccaac gacgtgcaca gccggctgga gcagaccagc gaggactcca 300
gcaagtgcgt caacgccagc cgctgcatgg gtggcgtggc tcggctcttc accaaggttc 360
agcagatccg ccgcgccgaa cccaacgtgc tgctgctgga cgccggcgac cagtaccagg 420
gcactatctg gttcaccgtg tacaagggcg ccgaggtggc gcacttcatg aacgccctgc 480
gctacgatgc catggcactg ggaaatcatg aatttgataa tggtgtggaa ggactgatcg 540
agccactcct caaagaggcc aaatttccaa ttctgagtgc aaacattaaa gcaaaggggc 600
cactagcatc tcaaatatca ggactttatt tgccatataa agttcttcct gytggtgatg 660
aarttgtggg aatcgttgga tacacttyca aagaaacccc ttttctctca aatccaggga 720
caaatttagt gtttgaagat gaaatcactg cattacaacc tgaagtagat aagttaaaaa 780
ctctaaatgt gaacaaaatt attgcactgg gacattcggg ttttgaaatg gataaactca 840
tcgctcagaa agtgaggggt gtggacgtcg tggtgggagg acactccaac acatttcttt 900
acacaggtaa ttgtttcaaa aggattgcat gggccaggat gtccagataa gcactgtgtc 960
tcttttgcct ttgtaactgt tattactctt tttactgcta tttaatatgt aatgtatatt 1020
atatgatcta taatatatat gtaatataca ttaaatggga acatgtgcaa atctt 1075

<210> 710

BNSDOCID: <WO___0122920A2_I_>

<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (706)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (741)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (746)
<223> n equals a,t,g, or c

<400> 710
gaattcggca cgagctcgtg ccgaattcgg cagacgatac caggtgctgc agaagggatt 60
ccatgaggtg cgcaaaggcc ctacttccgc tttcaccttg gagacggcga ctctctgcgt 120
actgattgga acatccgcga aatgatacgc ctctctgcaa tgctattggt cgaaatgcat 180
gtcaatctcc cagcgtcttt atccgtgttc cttgactctg ggcaacttaa aagccctaat 240
acttttactt tcgccacaca aagaggttct tcttagtgga gggagagcag atgtagggca 300
tcctaccgag aatttccgga accacgtgcg agatgatgcc agtcatgaac gtctccgcgc 360
ttcctttcgc tttggaaata tccttaagta gaaaagaaat tttctgagct ttgcctaaaa 420
ctagaatctg tgttgaggtt tttcaaaatt aagtaacgcc agagacatac tgtgacgtga 480
ggaaacgctc ttaaatgaaa ttttaagatc tatttgagaa acatgtacta aaaatgtact 540
gacctcctat taatgccagg cgctatgctg aattctgggc cttcacattg tccttccatt 600
attagaactg aagcccagat tatttgaaac aaaaaataaa cttcaataat ttattaaaaa 660
aaaaaaaaaa aaamctcgag gggggcccg gtacccaatt cgcccnaaag ggaggcggat 720
taaaattccc tgggccggcg ntttanaaag gcg 753

<210> 711
<211> 779
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (721)
<223> n equals a,t,g, or c

<400> 711
aaattaaccc tcactaaagg gaacaaaagc tgggagctcc accgcggtga cgaccgctct 60
agaactagtg gatcccccgg gctgcaggaa ttcggcacga ggaacagctc acactggctg 120
gcactgctaa gcaggtgcgg aggggagtca gagacccccg gatggagggg tgtggtggac 180
ctcagttttg aggccgagag tcctctggcg ccmcccacag agctcctgga gagactgccc 240
agctatgact ggcttcttca agggggcaga ggacagatat tcttcccacc tttggaggcc 300
ccagggaggc cccaggagca aaggtcctgg ccctcgttcc tggaacacag gagatgccct 360

ccccagttgg actgctgagg gctttaccac taccgtggcc tcagtttctc gcctgcacgt 420
tgaggaggct ggctggcccg cgtragtcca caggcccttc ccagaagccc ccgcctctct 480
gttcggtccc ctgcagagtc cctgcgaatg acggaggagg tggcccggga aagccctcct 540
cagctttgtg gactstaagt gcctgctaca gcgaakktgg actggagacc tcgtcatcca 600
ggagctgaag cggcagaccc tctgcaggta ccgtctggag acctttagtg aatccaggat 660
aagcgaagtg gacatttcaa ccctttacta aaccactctg tggaatgggc cgcaaagagg 720
ngcctccccc agggtcttgg gacatcaagg tttcaaggtc cttccgatgt ttttcagga 779

<210> 712
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<400> 712
ccctcactaa gggaacaaaa gctggagctc caccgcggtg gcggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg aggagccact gtgcccggcc tgccttggtt 120
attttcataa gatttctaga attaggttca ctgagttaag tgatataaac atttttgagg 180
cttttgctac atatttttag attgctctac aggagtggtc tagtttatac acccctacca 240
ggtcgccatg tatgtttcta cacaatagcc ctgctcgcaa cagatagtat attttncnct 300
gttgcccagg ctggagtgca gtggcgcaat ctttcttggc tcactgcagc ttgaaatctc 360
aggctcacaa gtgatccttc cgcctcagcc tcccaagtaa ctgggactgc aggcatgcac 420
caccatgcct ggctaatttt ttttttttt tgtagagatg ggtttttgag accagcctgg 480
gcaacatggc aaaactccgt ctttactaat aataccaaaa ttagctggga tagtggtatg 540
tgcctgtaaa tcccagctac ttgggaggct 570

<210> 713
<211> 877
<212> DNA
<213> Homo sapiens

<400> 713
gccttttact gtagaccctc tccagagaaa ggagctcggg tcttccctga gccaaggtgc 60
cagggtccca gaactccttt cactgcagac cctctccaga gactggggag agggctctgg 120
agaacctggt tcttgcttac tgttctccct ttgggccctc cttcccaaac gcaaacaatc 180
caggatccac tcagcgtcag gcccaatgga aatagtgaag cagtgatttt ccctcccctg 240
cctctccata gcctggtctt ttgccctctc ctttgctctt ctcttccccc atagccacct 300
caaatacctg cagcctgata tcttcatccc ttcatccaga ccttttctct cctagtggta 360
ttgcaaactg aaagtggaca aagacttaag gtaaacctgc tcctcatggt ggaatgcttc 420
caaatgctgg aaggaggact ttagggcaga gttcactaag gaggcttgtg cttatagatc 480
agtgggcctg aaagaagttt ctctaggttc tggttgtgtg ctgtacgarg tgtaggtagt 540
aataatactc ttgtcagcca cagtgaagcc ccaagctagc cgggataggg gactgacctt 600

gtacaggcag catggagaaa ctaagacaga gtgtcctgcc caagtgatgg cactggggag 660
cagtcactca ggtttatttc caccagggcc caagaaaaaa agaaatgagg caacctaaaa 720
ttccatcaag atagatacca atatccaagg tgcttggtct tagcggtgtg ggacccacgt 780
taaggctctt ggtgggaagg tgggaggtgt tttcagcatg agatagggtt caggctgtga 840
atcagagtct agagcctaag ataaaaaaaa atgtgcc 877

<210> 714
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (644)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (654)
<223> n equals a,t,g, or c

<400> 714
gtgttgtgcc tgttaaaaat tcagagccct gaactccatc ctggtataaa gcaaaaataa 60
aattttaatc cccttgacca tcccaatggc cccttctctt ggcaagggca ttccaaagtt 120
aaatggaaaa actagtttta gaccatgatg ggaaggggggt gttggaactc cttccttttg 180
gaattactga tagaacagac tttttaagtc tgataagaaa catttacaat ctattctcaa 240
agtctgctac caggaggctt cacctgcatg ataaaacctt ggtctccaca actccttatc 300
ttaacccaga cagtcctaag tttttagaca ataacctaac tgkttcaatc catgccaatc 360
aataagtctt taaatctgcc tatgacttgg aggcccttcc ttycaagtag ttgkcctgcc 420
tttctggacc aaacgaatgt acatcctatg tgtatctgat agatgtctca tgtctcctaa 480
aatctgtaaa actaanctgt ccccaaccac tttgggcaca tgttctarga ctyctgaagg 540

tgtgtacaag gccgtggnca cttatattgg cttaaaataa tctcttcaaa tntttaaaaa 600
aaaaaaaaaa agggcggcgn tttaaaggat ccaacttacg tacncctgca ttcnaa 656

<210> 715
<211> 1530
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<400> 715
ncctcactaa nggaacaaag ctggngctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccgg gctgcaggaa ttcggcamga cgcggtccgg gtcgccccta gctgtttcct 120
actcacccaa agccccgcac ccgccttttc tctctctcct ctggcaggat gaggcgtgca 180
ggcctgggtg aaggagtacc tcctggcaac tatgggaact atggctatgc taatagtggg 240
tatagtgcct gtgaagaaga aaatgagagg ctcactgaaa gtctgagaag caaagtaact 300
gctataaaat ctctttccat tgaaataggc catgaagtta aaacccagaa taaattatta 360
gctgaaatgg attcacaatt tgattccaca actggatttc taggtaaaac tatgggcaaa 420
ctgaagattt tatccagagg gagccaaaca aagctgctgt gctatatgat gctgttttct 480
ttatttgtct tttttatcat ttattggatt attaaactga ggtgatgcat gtaattgtga 540
atttggaatt tgttccaact taatggcttg cagtaccact ttgataaaaa tcagcatcaa 600
aacattccta gtgttcaaat actgtggcat tttccattga aaattgctga attttgctta 660
ttttataaat cacattagtt aatacagtgg tctttgaata ctgtttctta atgactcatt 720
ttagccccta ttttcagggg tagtgagagg gtgtggctcc actaatttcc agtttgtttt 780
tctattgttt gccaactgtc agattaaata gcattataat attttgttgt aatcataaat 840
gcaggtttat gtcccatgta aggaaactta gtgggagagt aacagaatgc ctggagagcc 900
tgactctgag ctcttgaagt agtcagccag tttgtggtaa aatggtaatt gaattttcct 960
aactgcatca actgtaatga tatactccct tctcctcctt tatttagtta aaattgtagg 1020
ctgatttctt tttacctaca atcttcctaa taatttttga tgataatgac ccctcatttc 1080
tttctgccca aagacctcat tctttaaata aaacttgtta ttttggcata tttctggtag 1140
ggcccattgc acatgtgtat cagtatagtt attatttcat attaacttta tgaattctct 1200
tgacttggct tataatagtt ttatgatttt tactacatag gtagcacatt tatcatttgt 1260
gacagaataa tgtgaagtta agtaattact gaactttaaa tggaaatagt atgcaagaaa 1320
ctcaggcatt gaacttgaag ataagagtat tattgcttta atccagtgta tttgtttatg 1380
gaaagaaaaa cacaaaggca gactgttgag taaaaaatat taaatattgt taaatattct 1440
gtattttgga atttatccat ttataggctt caaaagtaaa tttttaaata aaatatatta 1500
gtcgactgtg aaaaaaaaaa aaaaaaaaaa 1530

<210> 716
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (709)
<223> n equals a,t,g, or c

<400> 716
tggctccaaa agggaattgg gccttaagcc aagaatccgc cagaggggt aatcaactct 60
gttacttctc cccctgccag tcagaccggc cttcggtgag aaggtgcgtc tagaactgag 120
gcgtgcggcc aatccgactg ttccgtttcg ctgcctcgtg ctacccctac agcctcgaac 180
actgacattt aaaagggtaa cagctgggag gcagggaagg ggcagccgca cactttcgga 240
gtgcctcgcg gtcccgtggc cggtccgggc ctcctggctc acgttccagc ttgcggagct 300
ttgggacaca tctttcctag tcagttgcgc tcgttcctat ggcaaaagag aacttcagct 360
tcggttttcc agctcccaaa cagttaagtg acttcctgca aacgctacag tcccagcaac 420
cagccttcca atcaaaagta agttggttga tgtcactggc attggctcgg ccaatcacaa 480
gggcgttccg aaagcaagcg ctcgacactt gtaaacgcga agagctgtag tgaaactgga 540
cacatctttg tattttgtgt tgctggtagt aaatttgagt tatggatgag aggacagggg 600
tgatgaataa atgcagtgtg aatctataat taaaaaaacc ccattatgtc aggataagtc 660
caagaataaa cacaaatgag taagaaaaaa aaaaaaaaaa aaaaaaaana aaaaaaaaaa 720
aatgaaaaaa aaaaaaaaaa ag 742

<210> 717
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (802)
<223> n equals a,t,g, or c

<400> 717
ctcactaagg gaacaaagct ggngctccac cgcggtggcg nccgctctag aactagtgga 60
tcccccgggc tgcaggaatt cggcacgagc ccaatacagg catgaaccac tgcacccacc 120
tacttagata tttcatgtgc tatagacatt agagagattt ttcatttttc catgacattt 180
ttcctctctg caaatggctt agctacttgt gtttttccct tttggggcaa gacagactca 240
ttaaatattc tgtacatttt ttctttatca aggagatata tcagtgttgt ctcatagaac 300

tgcctggatt ccatttatgt tttttctgat tccatcctgt gtccccttca tccttgactc 360
ctttggtatt tcactgaatt tcaaacattt gtcagagaag aaaaaagtga ggactcagga 420
aaaataaata aataaaagaa cagccttttc ccttagtatt aacagaaatg tttctgtgtc 480
attaaccatc tttaatcaat gtgacatgtt gctctttggc tgaaattctt caacttggaa 540
atgacacaga cccacagaag gtgttcaaac acaacctact ctgcaaacct tggtaaagga 600
accagtcagc tggccagatt tcctcactac ctgccatgca tacatgctgc gcatgttttc 660
ttcattcgta tgttagtaaa gttttggtta ttatatattt aacatgtgga agaaaacaag 720
acatgaaaag agtggtgaca aatcaagaat aaacactggt tgtagtcagt tttgtttgtt 780
gaaaaaaaaa aaaaaaaaaa anctcggggg gggccccgga 820

<210> 718
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<400> 718
gcatacttaa aaagtacaaa agtccagttc tccaggtaca tgggcaattg tatttgttta 60
tagtttagat tcataacctt tactgaatgt cagaaacaca aaaacttatr raaataaaat 120
atatttgctc ttgagataca tataatttat tttaagtcaa taatacattt ttagttaaag 180
gtgtatttat gatcagttta ttgtacttgt gctataattt tctttattat taaataaaat 240
tttgagacac ttttaaaata ataaaaacca aaaagtggta ttttaaactc agtttctaaa 300
tgatgattga ctaaagtngt gtgtgtgtat gcagacatac gtaaatacac acatacatat 360
aggctatgat gatgacaact atttacttca aattagatgc cttctgtatg tatattgacc 420
agaatacatt gctcaagtga tttttaaata tttgtataat ttt 463

<210> 719
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 719

tttactagtg tattatcttt tatttattat gtaaagcttc tttccttcct tttccccaat 60
catgatatat tagtgacaaa atattacaga accggactat cagtcactta aaaaaacagt 120
ataattctaa tgctagtaaa catgtaattt aannnagttc tggaggacag ttgtctttga 180
ttaaagcccc accaaaaccc atttaagtat ttaatgtaca tactattcat attattatgg 240
cctgtaaaca ctaatatctg agcaatcaaa ctgttttatc taccattttt gatgaaattt 300
gaataaagtt taaaaacgtg taagcctttg aacaaatgta tgaaagcttt aaaagatcat 360
tagcactttt attttgttta caaataagct gccatttaaa aaaataaaac ctcactactt 420
gaacataaag ctcccaaaca atattgtatt aaaatgtact atattgacct aggaggatat 480
aggaaattat attcacctga ttaactggag cagtttcaca tagtggaaat acttttttgct 540

<210> 720
<211> 837
<212> DNA
<213> Homo sapiens

<400> 720
gcggccgcct gcggactgga gacccgggag gacggacgcg gacgcgggct gctcgtcttt 60
tacggccctt caacgcccac cacgacccac tcctcttgga gacccgggc gacggtgggg 120
ctcttgggca ttctgagact gcgcttggtg gagaccccgg gcgacggtgg agctcttggg 180
cattctgaga ctgcgcttgg tggagccccc tactggccag actggatttc tcagcctgcg 240
actcagcccc aggctacacg aaagaagcca gacctgggta attcttctag ttctttttt 300
ttttttttt taattgcact gggaaacttc cccaatctcg gccccagttc tttctccaaa 360
ctaaggagtc atggcctttc gcccgctagt ccagtatgca cccgtaggcg cttcattttc 420
tctcctcttg tcagctttta ctgcctcctg aggccttcgt cttgttcaca ctgagtgtcc 480
agtccctcca aatccggcta cactctactg gcaaggagca cctgggccat gttttagaga 540
tcatccgagg actaacccca aaagtttatg aagagaaagc agaggccgag stgaagagat 600
rgacccgggt cacacccagg taaaggcagg atctaaactg aaactggtgt cagatctggt 660
tgccttgcac ccctgatatc aggtgaagca acmctgggca ggatagagca gagtgaggtc 720
agagtgtgaa gatccagcct gatgcccaaa ctgacgccty ttcattctcc cskgctccat 780
ctgtaaacgt cmcggttaat ccatctactt tattgcatta tatagagaaa taaatga 837

<210> 721
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (736)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (738)
<223> n equals a,t,g, or c

<400> 721
gttttctgct attaagttga gctgtttcaa gatagaatac cggattaggt tttgagttac 60
agtagtccct ccttatctgt ggggtgtaag acctacagtg gatgcctgaa agagccaaga 120
gtattgaagc cttgtttttt cctatacata cgcaactgtg ataaagttta atttataaat 180
taggcacagt aagattaaca gcaataatga gaacatttat aactagtaag ttttgtgaat 240

gtggtctgaa aatactgtac tgtgggaaag tgaagccatg gtaagggagg attactgtat 300
atcttcattt tggtcttaag ctttagaatt atgggtaact aagaagccgt ttgagatggt 360
tatattccat gactaaactt acctgggaat tgtattattt acggggaagg cagytatttt 420
aaaaatgctt gtttaaggaa gcagttgctg tatttgaatt aagataactt tcattagaga 480
ttattagtga aggttggcca tctggttggc tatgtgctta tagaattata gaagtaagct 540
atttgttgac aattttagag ttaaatttga caatcttggt tacctaccaa actttaaaat 600
agaagtcagg atttctgtta cccaaccatg ggagcyttgg ktgtcycata ttcggtaaga 660
taatctctgk taaatagtgg ggtattagaa caaatggact taagtaaaaa tcttcaaatc 720
atctttaaaa aaaaanan 738

<210> 722
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 722
acaagtagct gcagtacggt acggaattac agggtagacc caagcgtacg taaaatttaa 60
aaacaaagga ctatttaaaa atacagttta ttaacaaacg tgaactactt tctgttacat 120
taggtgttcc ctagtgtttc ttaatttctt tttagaaagt gtatttttat tagtattttt 180
ccggtgaaca gaagatttgt ttggatttaa acatttacta agacagtacc tattaggaaa 240
accaaatatt gcaaatggtc aattcgattt taatttctca aaagatactc tgttatccag 300
aagattaaaa tgcctacatt gagtgcttaa aaaaaaaaaa acmactgtga tratktgagc 360
agaatggcca gtaagttaag ccttttttgga tccnggtaat ccagggtatc catttaccat 420
ggaaagggga ttccccaaac tactggccca gagggaagtt tggtttttttn aaatttaagg 480
nggggaaatt ttanccctat aaaatt 506

<210> 723
<211> 540
<212> DNA
<213> Homo sapiens

<400> 723
taaggggatt ctcccagctg ctaaatttaa acagtaaata tcacattttg tcattaacac 60
agctataact tgccgtggtt ctcagattta ttttggacta ttttgatgcc aagtgaatat 120
aagagyttgt actgaaacca tttatttctt tctattttgc tatttgcaaa tgcttgttat 180
cttccctaca tgaagtggca gtaacctttt tcacatttaa gctacccttc tacttttgaa 240
gtgatttgca gttactcatc tgagacagca tcagtatttg actaaatcat tgtttcacaa 300
ctgaatagtc ttgttctttt agtagcaatg aaatcctaag ctcttgaggc cattcacctg 360
ccaacctgac catactgctt tcaaaagtct tttctcatca gtagaatcta ttttggtcac 420
ttctagtcaa tgaaaaatgt aaacttttag gagagaatgt ttcctaggac tcacccactc 480
cattcaatgt tacatataaa atagtgtgat caatcacaat gtccatcttt aaacagttgg 540

<210> 724
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<400> 724
cccacgcgtc cggacccacg cgtccgccct gctctcctaa gataacccag aaaggagtgg 60
tcatatactt tggaggatag ccatatagat acttatcagt ggcctgtgat tctttcctcc 120
agccccattc ttcctagatg attggaaaaa cacttaaggg agcattaaga ggctctgatt 180
gctactcagt gatatacgtc agtctgagag gacagggcct aggtaaaaaa gacttgtaac 240
gatgattcac aatgaccctt actgtcactt catgtaagta tagagggctc aggtatacca 300
ggctggcaac tgatggataa acggcattat gctaaaatac aattttggat ttcatattaa 360
agtatctcta gaatacccag gaatacctta aaaggaagga atggcttcct gaacaaggnt 420
ggggaaccta ctccttaatt tgtttagt 448

<210> 725
<211> 1221
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<400> 725
tattnctagg atatacccnn antaaaggga caaaagctgg agtcaccgcg gtggcggccg 60
ctctagaact agtggatccc ccgggctgca ggaattggca cgagccgaaa gggacacaat 120
gtggcatgac taagtacttg ctctctgaga gcacagcgtt tacatattta cctgtattta 180
agatttttgt aaaaagctac aaaaaactgc agtttgatca aatttgggta tatgcagtat 240
gctacccaca gcgtcatttt gaatcatcat gtgacgcttt caacaacgtt cttagtttac 300
ttatacctct ctcaaatctc atttggtaca gtcagaatag ttattctcta agaggaaact 360
agtgtttgtt aaaaacaaaa ataaaaacaa aaccacacaa ggagaaccca attttgtttc 420
aacaattttt gatcaatgta tatgaagctc ttgataggac ttcttaagc atgacgggaa 480
aaccaaacac gttccctaat caggaaaaaa aaaaaaaaaa aaagtaagac acaaacaaac 540
catttttttt ctctttttt ggagttgggg gcccagggag aagggacaag acttttaaaa 600
gacttgttag ccaacttcaa gaattaatat ttatgtctct gttattgtta gttttaagcc 660
ttaaggtaga aggcacatag aaataacatc tcatctttct gctgaccatt ttagtgaggt 720
tgttccaaag acattcaggt ctctacctcc agccctgcaa aaatattgga cctagcacag 780
aggaatcagg aaaattaatt tcagaaactc catttgattt ttcttttgct gtgtcttttt 840
gagactgtaa tatggtacac tgtcctctaa gggacatcct cattttatct caccttttg 900
ggggtgagag ctctagttca tttaactgta ctctgcacaa tagctaggat gactaagaga 960
acattgcttc aagaaactgg tggatttgga tttccaaaat atgaaataag gaaaaaaatg 1020
tttttatttg tatgaattaa aagatccatg ttgaacattt gcaaatattt attaataaac 1080
agatgtggtg ataaacccaa aacaaatgac aggtscttat tttccactaa acacagacac 1140
atgaaatgaa agtttagcta gcccactatt tgttgtaaat tgaaaacgaa gtgtgataaa 1200
ataaatatgt agaaatcaaa a 1221

<210> 726
<211> 220
<212> DNA
<213> Homo sapiens

<400> 726
tgtctgtatt tatttcttct ccaaggaaac agcctacatt ttccatgtgt ccatgtttct 60
gaggccgtgg gtgacagtgg gaattgcact aatgggggcc cascaggcct gggggctggt 120
cttagcgcta gaccttgaac aaggcacttc acctgctggt ctccaatttt ctcctctgtw 180
aaatgaaaga kttgaactaa gtgatctcaa aagtttccaa 220

<210> 727
<211> 894
<212> DNA
<213> Homo sapiens

<400> 727
aattcggcac gagaggaaat ggcgtcgtgg cattgagggg catccctcct agaacctcca 60
ggaaaagctc gcggaagacg aggttctgcg gagagagagg ctccaagcag tctgggaagt 120
gtagtccagt tggcttagca gtagtttcgt tgggggggag ccgaggttcc gggaaggggc 180
taggccggct tgaaaagaga ttatgactgt acctttaac tytgtagctg gaacacaaga 240
agtgtttgtt taatgaatga cgtacacatt taagatctgt ttggacgcgg aggataatcc 300
tgtgaattgc taatagttca ctgggtttgg cccttagtgt tgacttcagt atgctgagac 360

ggaaaccaac acgcctagag ctaaagcttg atgacattga agagtttgag aacattcgaa 420
aggacctgga gacccgtaag aaacagaagg aagatgtgga agttgtagga ggcagtgatg 480
gagaaggagc cattgggctt agcagtgatc ccaagagccg ggaacaaatg atcaatgatc 540
ggattggtta taaaccccaa cccaagccca ataatcgttc atctcaattt ggaagtcttg 600
aattttagag atggattatc ttgcatgcca gagcgctgga atggaataaa atgatggcag 660
aagtacaaac cagatttaga gaattgagtg cttgcagtca agcagaatgt acctcctgca 720
gagacaaatc ttctgcatga gattactgat gcttcacttg cactctaagc tggaatccaa 780
actctggttt gtctcttgaa aatttgactc tataaaactg atctgatttt ctgtttttaa 840
aaataaatat atttttggaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 894

<210> 728
<211> 843
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (753)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (788)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (829)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (832)
<223> n equals a,t,g, or c

<400> 728
gtgctcttgc tccagaaaga ctcactgctc acagctgccc agctgaaagc caagggggag 60
ctgagctttg aacaggacca gctggtggct gggggccagc tgggcgagct gcacaacggg 120
acacagtatc gtgaggtccg ccagttctgc tcgggctctg gccaccacct tgtgcgcttc 180
tacttcctca ctcgtgttta ctccgagtac cttgaggatg ttctggaaga gctgacatat 240
ggacctgccc cggacctggt gatcatcaac tcctgcctct gggatctctc cagatatggt 300
cgctgctcaa tggagagcta ccgggagaac ctggagcggg tgtttgtgcg catggaccaa 360
gtattgccag actcctgcct gctggtgtgg aacatggcga tgcccctcgg ggaacgtatc 420
actgggggtt tcctcctgcc agagctccag cccctggcag gctccctgcg gcgggatgtg 480
gttgaaggga acttctacag tgctacgctg gccggggacc actgctttga tgtcctagac 540
ctccactttc acttccggca tgcagtacag caccgtcatc gggatggtgt ccactgggac 600
cagcatgcac accgccacct ctcacacctg cttctgaccc atgtggctga cgcctggggc 660
gtggagctgc ccaagcgtgg ctatcccccc ggtgagccct accataagtg gggggtagt 720
gatgcactgg ggccctcaga ggacagggct canaaacaga atgggacaca gccactcaag 780
ggaagtanag gtcccttgaa ggactcctgt ggcttctgca tgcaccttnc tnaacccctg 840
aga 843

<210> 729
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (696)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (708)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (728)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (746)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (751)
<223> n equals a,t,g, or c

<400> 729
caatgaacag acattttata tcactgtaga tacaaaatat taaagcagtg gtttcagcca 60
attaaatcaa tctgtgagag tggagcccag gcctgccatt tttgttaaaa gctccccagg 120
tagttctaat atgagccaaa gttgagaagc aaaagtattg taaattattt ctctcaaatt 180
tagagttatt acagtttata tcaaattcaa aatgcttaat ttgcttttgt gataaagagc 240
aatagaaggt ggtgagattt ctaaaaatta ggcctccagg tatgcatttc aaatgtagac 300
ttcttaaatg atcgggatca gmttgtgctg cctargtagt ctgtttttt ttttaatgtc 360
atttacataa tcattttcca tttcctaagc acaaatgaag ttaacatctg agttagcttt 420
tgaaagacac ctttttgtgg ggtarggact actgttacaa atcataaact garggttatg 480
acattctctt atacttactc caagatgcag aaactgcttt tcacatagtt ttactcatat 540
tttacaatgt gattaaggga ggctaaggta gtttaatttc atatatgtac atttttttacc 600
taaaaatatc tgattaaagg tattatttaa taataattaa aatccgtggg cacagttttg 660
aaccttcttt aacttttcag tttaagctgg gcccantgcc ttccaaantg ctgggattca 720
ggcatgancc actggttctg gccggnctac nt 752

<210> 730
<211> 1493
<212> DNA
<213> Homo sapiens

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (968)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (971)
<223> n equals a,t,g, or c

<400> 730
ccctccctcc ctcctcact gcttccctcc ctctctctcc ctctcccttt cttttctaca 60
ttgaaatctg ttcttacata atagagaaca gggctattga ataaagaccc aatcctacca 120
gatctttagt tctaaagggc aacttgactg tgagtaggag ggcccccaag aaaggragga 180
aagtccacac ccagctaacc acacaacagg gcttcattat ggaaatattt taacaaaagt 240
acatgttatt accaaccaaa gagatgcatg tgcaatagaa gccttcctta aaaacaggct 300
aaataacctc attttatgca gcagtttaat ctgagaacag agggaaaggt gtgcagtggt 360
tccagagggg ccttatattc tatttttagt ctagatattt tttgtttata aattcccaag 420
gaattgttaa cactttggtg acacctaatg gattcttttt gaaattccaa ggtgcttcag 480
ttctttgccc aagtgaactg tgcctttat tgcatttctg ttcgtctctt ggtggctctt 540
ctgacttttt ggagaatacc catcttgttg gaggcagact taagttgtta tgctgtgcca 600
cacaatttac tgagacaatc atatcttcct aagcatttaa ggaaagttga aaaaaataga 660
attagctata aaatatgtat ggcacatctt gtttaatttt gcatgtaact tctcttttgt 720
acattgatga ggttttagtg acattgtcat ccaacacttt acctttattg ttcagggaat 780
gccttcgtga ttttttgtac tggttttatt attcagacta tggcctggat ttgagtatat 840
tgttattacc acctggtttt ttaattattc atcccagtaa acttatattt tgtgaagcat 900
ttgtttctca gattaagaca ctgttagaac ctaaagtagt agctgatggg tatctgtgaa 960
ttttttttntt nttttttttt ttacttgaag tagattgtct gaataggcat cctcatctat 1020
atttacccaa aacctcgctt actgtcatgt gcactacaaa ttgcaatttg gaaacctact 1080
gtattgaaat tctgtcagtt tatggttctt gaagactgat gtcctttccc aaacactggt 1140
tactgcagca gcatttttaa tgtgtaagtg aagaaaaaag gccactaagg ccaaagattt 1200
tttaagaatc attgtacaaa tcattatgtt aaactatcta agctttgctg taatactgtt 1260
ttctcttcaa tatgtgatgg tacaggaagg atgttaaatg aaggggtggt attgcaggag 1320
agcattttaa atggcagaag taaaaagtta taatatttat aattttgatg ggtttaagtt 1380
tatttttgta gggaagattt ttctccccta aaatagtttc tagaattggca aaattgtttc 1440
cattattaaa aattgaagtt attagttaaa aaaaaaaaaa aaaaraaaaa aaa 1493

<210> 731
<211> 1057
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1056)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1057)
<223> n equals a,t,g, or c

<400> 731
gaaattatta aaaatttcaa ggtggtggtc atagagcatt aaaccaaata tgaggccatt 60
cccaacttgt tttccgaggg gaaaatggta atacttgtgt ggcacccggg gttaaacagc 120
agaggctcca tgtggccaga ggcagagatt agtatcctgg cactccagtg acccactggg 180
tgactcactg atgccacagc acccgctagg aagctctgct gaaccttagt atttggtcct 240
aaatttttatg actccatgga gttcccgtag tccatggcta gttaggaaga aaggaggtgg 300
gataagggtc aggcccaggt gacccctaag aaccaggaga tgggtaaaag ttttttttta 360
tattctgctt ttctgatctg tgagtacctg tttgtctcca ggccaaacct ttgggcttaa 420
atatcttttt cctagacagg tttttgctag tgttgaattt tcttcttcct ctggcctcct 480
tctgtgcccc tttccccaag cccaagactg cttaacttcc aaagcaaatt ctagatagac 540
actgtattta ttggtatggg agtgggctct atggggtggt ctgcacccat ctgggactct 600
tttccctaaa tcctgcacca aatgagtcag gaggcagggt gcacagcatt agtttcaatg 660
tggttatgca tcataagctt aacatcagaa tgaaaatgaa actcgatttt gatgtttctt 720
taaaaccctt cccctgtcca atccactcgc cgcccccacc ttgaatagct aaagtctctt 780
atgaaacaga gaagagttgt tgacgtctaa ctccttccat taaattaata agtactgacc 840
tcctaatatt taagtgttta ctatctattg ctgtaaagtt ttgtatattt tgtaaacttt 900
tttccccaaa tagtagatgt ctaaaatcat tgtacatctg attcttttat attccattgt 960
tcagcacaaa gtgtggtttt tatttagaat aaaaaaagaa atttgaaatg aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaann 1057

<210> 732
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<400> 732
tnattatgag ctgtgtaacc ttggatacag tttcctcatc tataaagttg tggtgggaga 60
atggctgaga acagtgatct ctcagctctc cagctgtaaa gatgttaatt atgattttaa 120
ctctcaagat caggccacat aaggaacagg ggaattccag gggtgggaca cagctggggg 180
agtccagacc agggcaggga aaggagactc acaagccaaa cagagctgct ttggggaaag 240
ttcttatcag ctggtgctgc ttcctgagcc atatgcccat tcctcaagct gtaccccttt 300
cttggctatg taggatgagt tcctcctagg cccttgttag gagtggctat tggattctaa 360
gcggttgggg catgagggag gatattttaa agggaagtat agctgatttt aaaagaacct 420
atacattcaa gaacaaataa aaaacagcac ttttctttac caaraaaaaa aaaaaaaaa 479

<210> 733
<211> 1519
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<400> 733
gntccccgaa tctccctgna cctcgnngaa cccaacccca acctgggaac ctccccaaaa 60
gtgctgggga ttaaccaggc gtggagccca accacgcccc ggcctctttt ttttttaagc 120
tgccaatctt tttggaagga atattcttac ctctactttg tcaccttcta ctggctcctt 180
aactaaaatc tgccatttgg ctctctggtt aacagtccct tcctgtaaag tctaaaatct 240
taattctaaa tccacagttt aattcacaag ctagtacttg actttttttc tgtatttgac 300
atttttgaca acccctactt taaagattta ttcccttgac ttcttacatt ttgctcactc 360
ctgaaccacc ccccaccttt tggcctcttc atttattcct taaatgttat tcctcagacc 420
tccatttttt ttttctctct taatcacaac accacttctc acgcttgggt aatttttaatt 480
cagcagttcc taaatcctta tctttagcca gactcctcaa tccatctgcc tgttgcactt 540
ttcttggttg tcccagagac acctgtgtgt gtcttaaaac attcattctc tgcaaaacct 600
actctaatgc ctgtgtccct tactttggtt aattttagaa ccattatatt ctaagttttc 660
taggctcatt cctctcctcc accttccccc atcatttagt gtctaagttt tactgatttt 720
atctccacct ctctgataca tcactctttc atcttcattg ctattattaa taaataccta 780
cagtactaac ctgcctccta tacctagctg gtctcctctc tgttgctcaa tgttaccaca 840
gcaggctttc tagaagcact ctgacagtgt tactccctaa tatccttcag tgacttcagg 900
aactttcagg agaaagccaa actcctctgt ttggtgtaca aggtcttctg atgtgtttcc 960
tccaccgaat gttctggtga aacagactta cacttcttca gaagccacat ttggccaggc 1020
ctcccgcctt ggtaaatgct gtactctttg catcaagtgt gctagtcatc cttccccact 1080
tggaaaattc ctatgcatct tgcaggcctg acataagcat ttcctctgtg aaacctcctt 1140
tgctccactc aaggagagtc atctaacttc cactttcgtg tcaccactgt aattacaacc 1200
tacctctatt gtatgtcact taaatcgtac tgtattgttt tatttttcaa aagtctttac 1260
tagaatgtga gctccttaag ggcaggaaaa ggaacctttt tatttttgc atctccatag 1320
catagttttt ggcatatgaa tgtttaataa atgtttgttg aataaattga ttttaaagtg 1380
acatctttat tatattagag gtcctaccta tattccaaat actttcactc ccttcacttt 1440
acagcaaggg tcagtagagt cccaaggatt tgtagacttt agggggtcaa taaagctgaa 1500
attgtattca aaaaaaaaa 1519

<210> 734
<211> 1449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (200)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1443)
<223> n equals a,t,g, or c

<400> 734
ggccttttct ctttcttaaa aaaaaaaagt ttgcattagt tactctaatg gagacattga 60
atggattaat ttatttactt tttaattcaa attctccttt tctttagccc attattccta 120
tgtttacaca aaatattcga gaaggattta gatcacttgg aggaacaagg ttatttaggt 180
ggctttatga aaaattccgn tatccatttg ctccaatgta tggaggtttt ccagtgaagt 240
tacggaccta tttaggcgac cccattccgt atgacccaca gataacagcg gaagaattag 300
ctgaaaagac gargaatgct gttcaagctt tgattgataa gcaccaaaga ataccaggaa 360
acattatgag tgctttgtta gaacgttttc attgataaca aagggtcaac tagaagatga 420
tttagtacat ttatattaaa tgtttgtatc taaggtactg tcttctgaat tttgtaggtc 480
ctataattag tatttttaa aaaaatcatg ttaataagca tctttcacag aattcgtttc 540
tttaaaatag tcaatttttgt ttttgcaatt gtgtcaaata ctaacaaatt acacacctag 600
taattcagaa aaagatgtct tatttgtaaa ttcctaacaa tttatgctaa acatatagat 660
tcttaagttt attaataaca gcagtttagg ttaaacaaac attcctggat aatgcgttaa 720
atttctgtat ctgtcgccct gagctgattt tgaaagatgg tataagctag gggttagtat 780
agttgtttaa gttagaaaaa acatgctgtt gtctgcccct cattcccttc atgaccttgg 840
gcaagtcacg taatgttttt gtgcctcaac aattcacttt ttaaaaacat gatcgtatga 900
tgaatgatat tattttgtta tttatattta ctgtgattga taactgttga accaaaataa 960
taaaataatt aatttaaaca atgtcaaaat cctttagcag ttatgtatat attttctcca 1020
ttgtgtgttt aaattatgtc atgtccagtt gccaagcaca atgaaaaaga tgtattattt 1080
tttaaattga ataaaaaatt aggaaaaata aaatttctaa ttattatttt tagtatgata 1140
ttttkaacaa gagtctatag gcaaacaata tagggtgtgc tgtgcattgt cagccctata 1200
ctgtggtctt aataatgcca gcttaaaaat cactgttgtg ctctgcattt cgtgtgttag 1260
aagctgattc taggctgagg aaagcaagag ttctctactt ttgctcaata ttgaggctta 1320
cccagtttga ctctacagct agtgaagygg tttattgctt caataaaaat atacttgaat 1380
gatgaattta tttatgtttt gttttgtttt tatttagaga tggggttttg ncaagttggc 1440
cangcctgg 1449

<210> 735
<211> 930
<212> DNA
<213> Homo sapiens

<400> 735
gcggcacgag ctctctctct ctctctctct ccagaagtgg acttccctgt ccccccaggc 60
agaggcagga gtgtggagtc tgtgcagagc cagccccagg agcccgtgag tgtgccccag 120
acactgacta gcacgctgga gcacattgtg ggccagctgg atgtcctcac tcagacagtc 180
tccattctgg agcagcggtt gacactgaca gaagacaagc tgaagcagtg tctggagaac 240
cagcagctaa tcatgcagag agcaacacca tgatcagggg agcaggaatc aggagctcgg 300
tggatttgca ggtggcaggc cagggatttg taccrtggga cttgggtaaa taaaggggac 360

tgaactctgt gggaatcaca tccatactgg agccctggat ttttgcagtt ctgccctcca 420
ccttgctatc tgcaccagga ggctctccac ctggcagcca gaggtcccca gtgggccggg 480
ctcacacaca aatgatgctt cagacccgaa tgagaggacc acattttgct taatgtaaag 540
gagccacttg aaaatgtctg ctccttcggg gtcctgagat tgtggctccc cctctggagg 600
aggtggctcc acgatgcctt gattttcact catcatttgg acatgtgact ggcttttcct 660
acctctgcca tggtgtagaa attgattgca cattgattgg atgagccggg ggttttctct 720
aaatctgact aaaggcccaa agtgggccca tctgagtcag gtttgttgag aacaagccct 780
ctcaagtggg tggtggcttt tcagtggccc tgatttctgt tccacacgtg ttcactggag 840
ccaggtgact tcctccttgc gtgagtgagg gcacaggaat ctcaaaatta aacctgactt 900
cattgcaaaa aaaaaaaaaa aaaaaaatct 930

<210> 736
<211> 914
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (894)
<223> n equals a,t,g, or c

<400> 736
ggcacgagct gaggcggcgc atgctggagg ctgccgactt cgcggctcgc aagcaccggc 60
agcagcggcg gaaggacccc gaggggaccc cctacatcaa ccaccccatc ggtgtggcac 120
ggatcctgac ccacgaggcg ggaatcactg acattgtggt gttacaggcg gccctgctcc 180
atgacacggt ggaggacaca gacaccaccc tggatgaggt ggagctacac tttggggcac 240
aagtgcggcg cctggtggag gaggtaacag atgacaagac tctgcccaag ctggagagaa 300
agaggctgca ggtggagcaa gcgccccaca gtagccccgg ggccaaactg gtgaagctgg 360
cagacaagct gtacaatctg agggacctga atcgctgcac cccagaggga tggtcagaac 420
atcgagtcca ggaatacttc gagtgggcag cgcaggtggt gaaggggctt cagggaacaa 480
accggcaact ggaagaggct ctaaagcatc tgttcaagca gcgggggctg acaatctgat 540
cagtgcttga agctatccag aggcacaact ccagcctcgt tcaggccgga caggattcat 600
acgccatctt ttctgtgtct cctgagctcc ctccatcctt cccagatatt agaggccaaa 660
aaaagacttg catttttttct cagtctgaag gtctcctgct aactaagctg agccccgcgt 720
ggtgggaatc agatgtaccc atccatttct gatgcactca ccgcctctcc ccaagtcttg 780
ggtctgtttg ctattttgca tggtgggatc tctggcccct cagggacttg agattattta 840
agtactagtt cctaacacgt tctggaaaat aaaaataact ctgggttaag gttnaaaaaa 900
aaaaaaaaaa aaac 914

<210> 737
<211> 1227
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<400> 737
gcaggaataa ttttaaacta tttttgctgt aatgtgnagc tttaatgtct cttttcagka 60

yggacccata aaagtattcc tatatcttgt gaataaagat cattcttgtg gactagtacg 120
tggatgcatt cataggcttt gggaagcagt ggtgtgcgta tgtgtgtcta tatcaatatt 180
ttatgtttat aactctgcgt attaagttta tatagaaaaa aataatgtct ttctttagtg 240
tttgggggac tcaatggtaa tatgaccatt gcagtgtaat ctgactgctc actctagaga 300
acacttctgt tatacacaat gcacatacaa acatacaccc ctaaagcgta gctaactgct 360
cccactagat aattgctgct aaaaacaaaa caaaacaaaa caatacaaaa caaaaaaaac 420
cctaagtaat ggaggaagaa atagcattct tttaaaaggg gcttttctga agagtaaaat 480
gtaaatacag gacatgtggg gagggtgggg ccgcctgcaa aatgtcctga agatggacaa 540
atagcctttt aaattctact ttttaaccat ctttaccgtg tgtgcctatt tgtattgcag 600
atgtgaacta ctatttttgg aggttgatat cagtatgttt tgaaactgaa ttattacata 660
aaatcagagt aacctctttc tccatcctcc ttttccacac tattcttgcc aaatatttct 720
actgaaaccc agtttcagca aggcaaaatg atgggactct caaacctccc tcctcatctt 780
cccttcccct ctgtcttatg cctggcctgg ccttttttgt tgttgttggc ttttcataag 840
taagaaaaat ttattgtagt atttcaagac tgcagaattt caagtgtata tctataaatc 900
ttttttaaa atcttcggct acacagtaac atcaattaaa acagaagagt gagtctaagt 960
ctgtaatatg ctgtaggacc agataagatt ttgaatgaga ctaaacttga ctgccatatt 1020
ttaagaggaa attgaaactt tatggtggag aatggatgag agcaagtcta tgatatatat 1080
gtagtcattg tataattaga aacaccaaat gctgaatcct atcactgtgt tcttgggggc 1140
caggccttgg atttggttgt catttaaact ccttgaagat tatatgtaat tataatgagc 1200
agaaggcaaa taaagttttt gaacaaa 1227

<210> 738
<211> 775
<212> DNA
<213> Homo sapiens

<400> 738
ggatcttcat gttttcacat cttgagatgc aatttgttag cacaggctgt cattccaaga 60
cacacaaatg tcattaaggc aaccgcttaa aggagtgtga tattttattg aggtagacag 120
gacaatagat aaatatttaa tctgttacat gtttgctctg tgtggagcca gggttggggc 180
tgcacaactc tctggctgct atgtgtcttc ctggaaaccc tgtcaaaggc cttaccgcct 240
gcctggagaa acacagtgcc tgcccttggc aaatatatgt tggtgtatct gaaaaacagc 300
tcctggaagc tttttctcat tcaggcttta ggggttaccc catctttcct tatgtgtgta 360
atattggaga atgtacactc tcactgaact ggggatgttt gacttaaaat gatggacaat 420
aagatagtga gcagtaagtg tgctctaggc taggctacga gaggccatga gctcctcatc 480
tcttctctgt tctgagctct ctgatccact gcacttgggg caggggggtgc attctctgtg 540
cctctcctga gtctactttc tgcatcattg gttctcccag ctcacttcca taatgtcctc 600
ctaggctgca ttggaattgt gtgttgtcta gacccatggc caagactgtc attgcctgtg 660
agggagacca agctcaccac caagggcttt tgccagattg ctttcattta cagaatttgc 720
ccattcatgt gtctttgtgt ttatggatta aatggctttc tgaccagcaa aaaaa 775

<210> 739
<211> 1437
<212> DNA
<213> Homo sapiens

<400> 739
cggtgtaccg tgtcttaaag cccctgaaag awaacgctaa taamgccaaa agcttactgc 60
tcactaccat acctcagata gggtccacag aatggtcaga aaccctccmt aacctgaaga 120
atatggccca gttttctgtt ttattaccaa gacattaaag tagcatggct gcccaggaga 180
aaagaggaca ttctaattcc agtcattttg ggaattcctg cttaacttga aaaaaatayg 240

ggawagacat gcagctttca kgcccttgcc tatcaaagag tatgttgtaa gaaagacaag 300
acattgtgtg tattagagac tcctgaatga tttagacaac ttcaaaatac agaagaaaag 360
caaatgacta gtaaacatgt gggaaaaaat attacatttt aaggggaaa aaaaacccca 420
ccattctctt ctccccctat taaatttgca acaataaagg gtggagggta atctctactt 480
tcctatactg ccaaagaatg tgaggaagaa atgggactct ttggttattt attgatgcga 540
ctgtaaattg gtacagtatt tctggagggc aatttggtaa aatgcatcaa aagacttaaa 600
aatacggacg tactttgtgc tgggaactct acatctagca atttctcttt aaaaccatat 660
cagagatgca tacaaagaat tatatataaa gaagggtgtt taataatgat agttataata 720
ataaataatt gaaacaatct gaatcccttg caattggagg taaattatgt cttagttata 780
attagattgt gaatcagcca actgaaaatc ctttttgcat atttcaatgt cctaaaaaga 840
cacggttgct ctatatatga rgtgaaaaaa ggatatggta gcattttata gtactagttt 900
tgctttaaaa tgctatgtaa atatacaaaa aaactagaaa gaaatatata taaccytgtt 960
attgtatttg ggggagggaw actgggataa tttttatttt ctttgaatcy ttctgtgtct 1020
tcmcattttt ctacagtgaa tttaatcaaa tagtaaagtt gttgtaaaaa taaaagtgga 1080
tttagaaaga tccagttctt gaaaacactg tttctggtaa tgaagcagaa tttaagttgg 1140
taatattaag gtgaatgtca tttaagggag ttacatcttt attctgctaa agaagaggat 1200
cattgatttc tgtacagtca gaacagtact tgggtttgca acagctttct gagaaaagct 1260
aggtgtttaa tagtttaact gaaagtttaa ctatttaaaa gactaaatgc acattttatg 1320
gtatctgata ttttaaaaag taatgtttga ttctcctttt tatgagttaa attattttat 1380
acgagttggt aatttttgct ttttaataaa gtgsaagctt gctttttaa aaaaaaa 1437

<210> 740
<211> 1389
<212> DNA
<213> Homo sapiens

<400> 740
gggacggcgg gcacagcgca gcactccccg ctcgttggcc cgggtatccc agcgcggacc 60
cacgcgatac gctgacgccc cgacgccgat ccggccgagc caagactcaa cgatgactct 120
gaataatgtc accatgcgcc agggcactgt gggcatgcag ccacagcagc agcgctggag 180
catcccagct gatggcaggc atctgatggt ccagaaagag ccccaccagt acagccaccg 240
caaccgccat tctgctaccc ctgaggacca ctgccgccga agctggtcct ctgactccac 300
agactcagtc atctcctctg agtcagggaa cacctactac cgagtggtgc tcatagggga 360
gcaggggtg ggcaagtcca ctctggccaa catctttgca ggtgtgcatg acagcatgga 420
cagcgactgc raggtgctgg gagaagatac atatgaacga accctgatgg ttgatgggga 480
aagtgcaacg attatactcc tggatatgtg ggaaaataag ggggaaaatg aatggctcca 540
tgaccactgc atgcaggtcg gggacgcata cctgattgtc tactcaatca cagaccgagc 600
gagcttcgag aaggcatctg agctgcgaat ccagctccgc agggcccggc agacagagga 660
cattcccata attttggttg gcaacaaaag tgacttagtg cggtgccgag aagtgtctgt 720
atcagaaggg agagcctgtg cagtggtgtt tgactgcaag ttcatcgaga cctctgcagc 780
tgtccagcac aacgtgaagg agctgtttga gggcattgtg cgacaggtgc gccttcggcg 840
ggacagcaag gagaagaatg aacggcggct ggcctaccag aaaaggaagg agagcatgcc 900
caggaaagcc aggcgcttct ggggcaagat cgtggccaaa aacaacaaga atatggcctt 960
caagctcaag tccaaatcct gccatgacct ctctgtactc taggaaccca gggtcaccca 1020
gatgtccctt tgatggccgt tgttgaaggc cattgggacc aataatctat attagattga 1080
atacttaagt tagatgtggt ttcccccatt gtagcaggga gctagcgtat tagccttgtg 1140
ggcaacatga tgcatgggaa atgaaagatt tttgtaaaaa gtcagtattt atttccagga 1200
aaagcctgac cttgctattt gaacacccaa gactctttag aggatgtgtt tggtgttcac 1260
atgkgtttyt tytattttgg atagtagrga agtaaagctt acaaagaatg cctagaacaa 1320
gaacttttca tcattaaaaa tttttcccag tgttytgaaa aaaaaaaaaa aaaaaaaaaa 1380
aaaaaaaaa 1389

<210> 741
<211> 852
<212> DNA
<213> Homo sapiens

<400> 741
gtttcttgcg ggggataaaa aagggcttgg gagattcatg cgatgtgtcc aatcggagac 60
aaaagcagtt tctctccaac tccctctggg aaggtgacct ggccagagcc aagaaacact 120
ttcagaaaaa caaatgtgaa ggggagagac aggggccgcc cttggctcct gtccctgctg 180
ctcctctagg cctcactcaa caaccaagcg cctggaggac gggacagatg gacagacagc 240
caccctgaga acccctctgg gaaaatctat tcctgccacc actgggcaaa cagaagaatt 300
tttctgtctt tggagagtat tttagaaact ccaatgaaag acactgtttc tcctgttggc 360
tcacagggct gaaaggggct tttgtcctcc tgggtcaggg agaacgcggg gaccccagaa 420
aggtcagcct tcctgaggat gggcaacccc caggtctgca gctccaggta catatcacgc 480
gcacagcctg gcagcctggc cctcctggtg cccactcccg ccagcccctg cctcgaggac 540
tgatactgca gtgactgccg tcagctccga ctgccgctga gaagggttga tcctgcatct 600
gggtttgttt acagcaattc ctggactcgg gggtattttg gtcacagggt ggttttggtt 660
taggggttt gtttgttggg ttgtttttg ttttttggtt ttttttaatg acaatgaagt 720
gacactttga catttcctac cttttgagga cttgatcctt ctccaggaag aaggtgcttt 780
ctgcttactg acttaggcaa tacaccaagg gcgagatttt aaaaaaaaaa aaaaaaaaaa 840
aaagaaaaaa aa 852

<210> 742
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<400> 742
ggcacgagaa gccctggaca catggatttg agtcctaact ctgtctctta gatttttgta 60
tgcagtttta ggtcttatgg ccagagagat ttgaagatat ttaatatctc taagctgcaa 120
tctttatctg caaactgggg ttagtaatcc aatcaacctt attgcggata ttgtaagaaa 180
aaatgagatg acaagtgtaa aaactcagaa ctatacttac aaggtaagca gacaaaatat 240
gctattgttg tgattgtttt ctctctgaat aaataaactc tgctgaagaa tttattagat 300
atgtttctcg aatcgagaat ncagttccag ctctcatttc tggcactgac atattggcca 360
aatatgattc tnatacaata atcagctgct ttgctgtgag ccttggagtg gtcagctgtt 420
gatggmctgc ttgtattcct attcag 446

<210> 743
<211> 892
<212> DNA

<213> Homo sapiens

<400> 743
aattcctaaa attgcaaata atactcaact atgaagaatt ttattagtta cagtgctatt 60
aaagaatatg tgctcctttt tattatatta tcagatactt atgtttaatt gtacattttt 120
taaatcctga atatattgtg ttttgttaac aaatgtaatc agtggaaccc ttcttacgtt 180
ttgattatta gcagttaaat acattttgta tacatgaagc ttagattaat tcccatcatc 240
atcatctcct gtttttatat gtgtccctat gtgtttcatg cattcctctt tgatcagatt 300
ggaatttgag ttaaaattta gctttgtaca ttacgtgtga gagttacaga ctagcaagtc 360
taattacttt gccttacctt gagtgtatgc cacagggtca gataacacat taaacattta 420
gttacactgg attactcttc caaagctgac ctcctgctaa tgttcagagg taactgcaat 480
ccggaaagaa ataatatcac tgcagaaaga atgtgactct aaaaataaac caggacctcc 540
ctgtgatttg ccttgcctgc agatgaccag ttgactcttg tgctgtcagc cctggggttg 600
ctaaggaagc tgcttcaggg agttgggggt tagttgcccg ctctcaacag gaatgcctcc 660
tctactttgt cagagatgct gaacaaatat caaactctgt ggcagtcatg ctggcctcct 720
aagaataacc tgtgagtcag agttgatgca cattattttt gtttttattt tatttttta 780
aggaactgct ccaagggttc attatagaac aggagtgtgt acggaggact taggtcccca 840
catagagtgg ccgttctgta atgaaccctt ggagcagttc cttaaaaaaa aa 892

<210> 744
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (683)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (694)
<223> n equals a,t,g, or c

<400> 744
tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt ccgatttcaa aagctaatac 60
tataatacat tttcataaaa atgatgtttt aagggtaaaa gaaaagaagt aagctatttt 120
cctagataaa gctgcccagt ctaacaagac ataaaacatg tttttcggcc taggnttntt 180
atcaatttag agtggtaatg ctgggtcaga tgttttgatt aattaatctt tgattaataa 240
gtataagana gctaattatt agaagagaag gttgttttat aaacatcatc tttcaaaatt 300
cgagatttat ggggaataaa ttaggagaag gtggttaaac ctcttcaaca ataaattgct 360
ctttggggac attttatgca cagaactgtg caccctcctc agaacagcag gtctttaatg 420
gcccatgtga tgagaagggc cccatcaagg cagcaggaat gggccactct cccacacccc 480
atgggccagg ccactgccac tcctgctgcc ctgcatcccc aggtttatgg ctgcatggta 540
gaagtcactt ctgtaagaaa ttcacctttc taaaataaag tatgctcttt tttctgagac 600
atctatagaa taacttgtgg cagagtgttt taaaaactga tttggatttt ttttatcctt 660
taacccgtgt gaaaggatgg aanggatttt angnggaaga 700

<210> 745
<211> 442
<212> DNA
<213> Homo sapiens

<400> 745
agcgagaggg agacccaggg ggctgaaact tgaactctgg ttcttttaaa attaattttg 60
gttggtgttg ggggaggcgc gagtgcgtgt gagaagaacc gacccacccc gcgcaagggg 120
aagcctcctg tctccccttt ccccgcgtcc gagraggcgg aaacccacag tgttacctga 180
cttatgaaac ttgaaaccgc ctctggagcc gccattctgc agagtatttg gaaaaagaaa 240
aaagggttta tgcttacgtc tctggggtcg gggggattat gtcacgagcg ttcaaactgc 300
tggaaatctc aaaactgtac tgtctttatt tttgtatatt gtatttatat ataaaaagaa 360
acgtctacgt atgcatgcta aattattatt tagcgtctcc catcgcccac gatggaatgt 420
aaaataaatt ggttttgtac tg 442

<210> 746
<211> 1329
<212> DNA
<213> Homo sapiens

<400> 746
tttactccag gtagatttcc acaatatgca aagtggtggt ggggtcaaga cagatgacac 60
cagcacttta aactctttgt gtgggtatgc gtgggtgtat gtttgggaag aaaaacaaag 120
gtgcagacta tcttcctttt tttcttcttc agcctccatc cctggcctcc tcccctcaca 180
cacactggac ttggtacaaa atgtcggtgt ggtcctagat gaagcattgg ggtgggggag 240
ggagagggag ctttgtgtta agtgcctact ggaaatgcac tgtggggttt tttcctgtat 300
gggaaaccat ttatgccaag cttttcccca tttcccatat ttatctcatc tggttagctg 360
cctctgcttc cagctttgtg taattctctt tgccagctgc acaaagctga ttttttccaa 420
agtctaaaga ctgagctcac ctggctagat tgttgtgtgt tttgttgaat tttttcataa 480
tgtaatgccg tatttattgt ttttaaaatg aaaggaatac taataagtct taaaagttcc 540
ttcatgcata agatttttt ccagttactg ggcttaactg gtgtacatta attagatgtc 600
catactgtat tttgtttgca ttaagtaatt ttctttttga cttagtatcc ggcacacaaa 660
gtgggttagt actacagtat ttgcgttact ttaagtacta agtatgcagg tttcctggta 720
ccattgagtt gctgctatta aagctcacac acgaaatggc taaaagttac aagtgtgcaa 780

attatgactg cgtgagcctt agaaaataaa atgtataaag ggcaacacat gasctgtcaa 840
acagtgttag gagtgtgttt atatgtacag agttgtgcat agcaatcgtt ttatttaagt 900
tgatatgtag tctactcaca tttycattat ttagcaattt tgtacaaaaa tagcmattaa 960
tttgtaaaca ctgccagaat actttctagc tgctttgtaa ttttttaaga gtgttatttt 1020
gtttttgttt ttctgttctt tgttgtggct cttgttttca tttttgttgt acgtgtagat 1080
ctgtaaataa aattgcagta tttaaagctt aagctttcag gaaaaagaaa ataagaattc 1140
agtgtgtgca tgacaactcg tgtgtatgag aaggagggat atgaaggaag atggcttgca 1200
gagtaagtcg ggtggcaatt gtcagggtgt gatcttacca cttcaaatgg gtgtaatttg 1260
aataaatttt gtatggtaaa ggatcaataa aatgattttt tttaagaaaa aaaaaaaaaa 1320
aaaaaaaag 1329

<210> 747
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<400> 747
gagaacttct gaagtggtgg atcaagtaca attctaataa gggaccaggg taagtgactt 60
ggcaacaatt tccttgggaa gctgccaaaa tcttatcttc agtctcaaaa ctcctatctg 120
cagtcatagc tagtctagaa aggtaagtct tgatttctta gctaaatgag taaagtttgt 180
attctacaaa gaaaatagaa tacnaataaa aataataatg gagaagcaaa cttaaattc 239

<210> 748
<211> 1589
<212> DNA
<213> Homo sapiens

<400> 748
gctttagaag aacatttcta gggaataata caagaagatt taggaatcat tgaagttata 60
aatctttgga atgagcaaac tcagaatggt gctacttgaa gactttggat ctgctgactt 120
cagaagacat tttgtcaacy tgagtccctt caccattact gtggtcttac ttctcagtgc 180
ctgttttgtc accagttctc ttggaggaac agacaaggag ctgaggctag tggatggtga 240
aaacaagtgt agcgggagag tggaagtgaa agtccaggag gagtggggaa cggtgtgtaa 300
taatggctgg agcatggaag cggtctctgt gatttgtaac cagctgggat gtccaactgc 360
tatcaaagcc cctggatggg ctaattccag tgcaggttct ggacgcattt ggatggatca 420
tgtttcttgt cgtgggaatg agtcagctct ttgggattgc aaacatgatg gatggggaaa 480
gcatagtaac tgtacccact gtgaacccag aaatgccaca ccatggaagc cacacactct 540
gctgtctcct tctgtcctca ttcctgtcct tctcacagtc agtccctctt ggctcttcct 600
agagtccctt tcattccctc atttccactt cctgccgctg tactgtcacc tgtggcctgg 660
atttgcactc ttggtccaac accctcaact ycaacacctc tgtctttctg ccccatccac 720
tagacaaaag ctgactctgg aaaacattag gcactcagaa tcaagggttc tggggtcaga 780
tggataattg ccatcatcct caccaagttg ccactggact ttcttgcccc taaatccact 840
gggcatttca ttgctacctt tcttgacttc ttgattgttt ttgtgatact gacacatccc 900
ccctttcaga acaccctctg cccttggatt ctgtgcacag gaagctagtt gctcccctga 960
atacactctt tcttccttgt aatacagcct ctgattttga gcccaagaat aaagactaca 1020
gttctcagac tccttcgcaa ataaattttg tgactaaact ctagtcaaca gtaaggtcat 1080

gtagcagctc ytggkaatct cctttaaaaa gagagcttgt ttatacctat tgksatctct 1140
gttcttctgt gcccctkctt ccatttttgct gcctggaaag cagatgtgat ggctgkaatt 1200
ccagtcacca ttttggacca tgaggacaac accctagaga tgtggagtgg ctaaaagaag 1260
cctgtgttcc tgagaactta gaggaccagg acctctattc caggcttgga cacctacatt 1320
tagactatta tatgaggaag caatcaactt ctcacttgtt tcaaccactt tcacttgcag 1380
tcaaacctga attgtaagtg aaattgcttt cctgatagca aacctgttgg attttctcca 1440
gaatccctgg gccactttta gcagtcagat tcgtctaatc ctcctttaaa gatggtggca 1500
gtgaaactgg tacatgggac ctgactgggc tttgtttgca actttctgat aatttataat 1560
tatttcaaaa taaaaaaatt ttaaaaata 1589

<210> 749
<211> 633
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c

<400> 749
attcatacta gcatgctcat gaataaggca atgtgttaag cactggcata caaatgcagc 60
taaaggtgct gaaggaaggc agtggggtgg tgcaggcaca cagcagggag ctcttccccg 120
tgacacgtta gtcatcttct ccacagagca scacccaasw gccttccttc agcaccttta 180
gctgcatttg tatgccagtg cttaacacat tgccttattc atactagcat gctcatgacc 240
aacacataca cgtcatagaa gaaaatagtg gtgcttcttt ctgatctcta gtggagatct 300
ctttgactgc tgtagtacta aagtgtactt aatgttacta agtttaatgc ctggccattt 360
tccatttata tatatttttt aagaggctag agtgctttta gccttttta aaaactccat 420
ttatattaca tttgtaacca tgatacttta atcagaagct tagccttgaa attgtgaact 480
cttggaaatg ttattagtga agttcgcaac taaactaaac ctgtaaaatt atgatgattg 540
tattcaaaag attaatgaaa aataaacatt tctgtccccc tgaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaanaaa ana 633

<210> 750
<211> 967
<212> DNA
<213> Homo sapiens

<400> 750
gggaggctct gaggaccaat tggaagaccc agcactaagt ggtaaggctt gggagtgtga 60
aatggggagg aggggctggg atcttggtgg gtggggccag gccctgagtc cctctctgct 120
tgcctttcag agcctgggga ggaacctcag crcccttccc cctctgagcc tggcacatag 180
gcacccagcc tgcatctccc aggaggaagt ggaggggaca tcgctgttcc ccagaaaccc 240
actctatcct caccctgttt tgtgctcttc ccctcgcctg ctagggctgc ggcttctgac 300
ttctagaaga ctaaggctgg tctgtgtttg cttgtttgcc caccttggc tgatacccag 360
agaacctggg cacttgctgc ctgatgccca cccctgccag tcattcctcc attcacccag 420

cgggaggtgg gatgtgagac agcccacatt ggaaaatcca gaaaaccggg aacagggatt 480
tgcccttcac aattctactc cccagatcct ctcccctgga cacaggagac ccacagggca 540
ggaccctaag atctggggaa aggaggtcct gagaaccttg aggtaccctt agatcctttt 600
ctacccactt tcctatggag gattccaagt caccacttct ctcaccggct tctaccaggg 660
tccaggacta aggcgttttt ctccatagcc tcaacatttt gggaatcttc ccttaatcac 720
ccttgctcct cctgggtgcc tggaagatgg actggcagag acctctttgt tgcgttttgt 780
gctttgatgc caggaatgcc gcctagttta tgtccccggt ggggcacaca gcgggggggcg 840
ccaggttttc cttgtccccc agctgctctg ccccttttccc cttcttccct gactccaggc 900
ctgaacccct cccgtgctgt aataaatctt tgtaaataaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaa 967

<210> 751
<211> 695
<212> DNA
<213> Homo sapiens

<400> 751
attcggcaga gstgagtgga taggaggtgc agcagtcttt gggtagcagc ctactcaaga 60
aaagaatgat aattacatac tcacaatctt tagccatcaa gcacttattt cctcaactcc 120
ccctcccccc ggcctattgc caaaccctaa atcctgtatc ctatttactt catgcctgtt 180
ggttactaag tagttccatt tagagtacac attcattgtt gccttgaact tgctctgctg 240
ttatggcacc tgaaaactag atgttcttgg atgggggtct tccttcatca aagcttcttc 300
ccatttgtac ttcagttcta ggacaaggca agargaaagc aagaagctgt aaatcccatt 360
cctctgggtc tcaatttcac cctcagttca aggagctgag taggcagagg caaaggctat 420
actcaacaca cgtgcaattg aaagcaggcg aggcaaaacc agggcagagg aaaggaaagg 480
ggtgtgtgta ggtatggatt tatgggtagg tgggtcggta ggttagttga agaggaggtt 540
ctaagcagta taacctaagc ctcttttctc tttcttctgc ttcaaacacc ttaagaactg 600
ctcagggtag actggagaca aaagcaacag ctcagaagtg ctaaatcttg aagagcagcc 660
aaagcatggg caacaaagtg agaccccatc tctac 695

<210> 752
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<400> 752
aagcggccgt gaaagtgttg tgctatcgac aacggtatgc aggccgcctt ttttacgcgc 60
ccagctgacg ggtagccagg tgcaaccatt aagcatcgca atctgttgct gtgccagttc 120
agcagaactg swtgtcagaa tgggcacttc gtcagcaccg atcaaacctg cctcatgctg 180
ttgaaaatct ggcccccact caagtcgcag ataattaaga tctcccttta gttttgaagg 240
ggcactggta taaagcgcta aagtgaaata tcccagcaac tgactactwa aattcgtcca 300
ttttgggcgc ttcagtggta aataaggaag atcaagctgg cgttcatgca gctgttttac 360
cagagactgn ccgtttgggg caatttcggg 390

<210> 753
<211> 508

<212> DNA
<213> Homo sapiens

<400> 753
gcctgactgg ttcatcctcc ccggaacttc ctagacgccg tacgtgccag atggtgttac 60
ctggagctta aaaagctgca cgcaagtgtt aaacttctga caatggccaa gaacaaatta 120
agagggccga agtccaggaa tgtatttcac atagccagcc aaaaaaactt taaggctaaa 180
aacaaagcaa aaccagttac cactaatctt aagaagataa acattatgaa tgaggaaaaa 240
gttaacagag taaataaagc ttttgtaaat gtacaaaagg aacttgcaca tttcgcaaaa 300
agcatttcac ttgaacctct gcagaaagaa ctgattcctc agcagcgtca tgaaagcaaa 360
ccagttaatg ttgatgaagc tacaagatta atggctctgt tgtaatatac tggtgatgca 420
tctaattctc cacaaagacc aataaattga atgttttata caattttaaa atcttgttta 480
tgtacgggct tgggcacttt ttaaaacc 508

<210> 754
<211> 1162
<212> DNA
<213> Homo sapiens

<400> 754
tagttctaga tcgcgagcgg ccgccctttt ttttttttt ttttttttt ttttttaaag 60
agagtgtgta tgtacttttt ctctctataa gggccagggt gttggtcaaa ttcaccatcg 120
attaatttat atcttctgtt gtgatttttt tcaactatat aacaagtgcc aactaattgt 180
ccatgggaca atctactttt ccactcaatt tatcgttttg agtagggaaa ggttcattta 240
ttttcattac ctggcattaa gttaaagaat tcattatttt gcatacattt gagtcattct 300
gtgacctata aagtgttttt gtaactatct aattctaatg gttgcaaagc aaagcacatg 360
actgtaaaac caagcaaggt gttttagtaa ctttttccct gaatacttgg tagtttccat 420
tgatactatt ccaaaacaaa ttctgctgtt ttaggttgta tatttacttt gcttttgttc 480
taagaaaaag ccaaggacta aatcaacttg tttttgtgtt tcagtaatca gtttaaaatc 540
taagattttt ttttaaatta gactatttaa tgaagtgcca tgtaattgta gcttgctagt 600
gtttaatgtt taatagactg gttctgtagg tgttttaacc atttaacact ctctgccatc 660
cctggagaaa gtggttctac tcttactgaa cacattctct ctgacaaaat caccagctgc 720
tttatttttc tatttattac agttaaacag ttgatgaggt ctgaatcttg accaaaactg 780
ctcagctgag atgtttttca caatagacac tgtacaaagt gtgcgtgcaa aaggacacgg 840
ttggtagtat tttttcatta atgtgaacat tgactaaaaa aaagcagtcc tgccttttaa 900
atcttgtggc agctcagaag ggaggtgctt aagaacctta actactatgt cagataacaa 960
aatatttttt tccattttgg agattggtta ctgctcacac atgatgtata gggctaaata 1020
tatgcttgtt tccttgcacc tgtgtacttc ccctctctcc ctccctttcc ttcccctgta 1080
ggcaataaat ggccattttg caactgcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aa 1162

<210> 755
<211> 1087
<212> DNA
<213> Homo sapiens

<400> 755
gcccacgcgt ccggcgtctt gwggctgcgg cctgcccctc agcctcctcc gcgcggttac 60
ccctgtaccc gccgccatcc gtcctggcgc tccggatgag tcaatgaggg gcagggcccg 120
aggagtggtc ttcccaagaa cccctggtgg cctcccaagg ccggtgctgt gtacctcctc 180
cccgacaaaa ggggaaactg aggccccgag gggagtggga agagccggct ggacgtcagg 240

cccagccgct ggtgcagtgg tccgtcccct ctgccggggt gggcccctcg ggtttcgcgt 300
gtcctcggga aagagactgg cgggcctcgt gggctgtgcg gctatcctgg agacagatga 360
cagctctccc twggatggct ttgctggttc cgcaccagcc agcgccccca tttttcctgc 420
agcaccctga tctgcactcc ctgaggggct cccactgtcc gcggtgtgag gatgtccctg 480
gatagtccac tgtgtgcaga ggcatgggag ttgtcatgtt gggaacatgc tagacctcag 540
tatccttgag ggatgctgcc ttgggtctgg aaactgttag aggaaacccc aagaggtgca 600
gscactgagc ctctcaggac aatgacctgg ggtcccagct cccctggagg ggcctcctca 660
tgattgtttg ggggttgatc acagaccaag agtgacgagt gatgtcaccc tgtgactcat 720
ggccggacct tcttgccccc attgtctcag cacaacatta ttcgactttt ccctcagcgt 780
gggtgggcag aggaaaagcc ctgtggctct ggggacttgg gatccagagt tgaagaccct 840
tcagctggct ctgccctgcc agtgccacag agtgccatgg cccaggaaga caggttttct 900
tccatctagg ccaggccatc cagtggccat cctccgtgtc ctcccgcctc ctcctggtgt 960
gacttctgaa aaccaagaat ttgttcctgt tgacttttc tgtgctatgg accattgtcc 1020
tctcacccac tcaataaatc ttgaaacatg maaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaattac 1087

<210> 756
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (773)
<223> n equals a,t,g, or c

<400> 756
gacgggtcat gagcgcggta ttactgctgg ccctcctggg gttcatcctc ccactgccag 60
gagtgcaggc gctgctctgc cagtttggga cagttcagca tgtgtggaag gtgtccgacc 120
tgccccggca atggacccct aagaacacca gctgcgacag cggcttgggg tgccaggaca 180
cgttgatgct cattgagagc ggaccccaag tgagcctggt gctctccaag ggctgcacgg 240
aggccaagga ccaggagccc cgcgtcactg agcaccggat gggccccggc ctctccctga 300
tctcctacac cttcgtgtgc cgccaggagg acttctgcaa caacctcgtt aactccctcc 360
cgctttgggc cccacagccc ccagcagacc caggatcctt gaggtgccca gtctgcttgt 420
ctatggaagg ctgtctggag gggacaacag aagagatctg ccccaagggg accacacact 480
gttatgatgg cctcctcagg ctcaggggag gaggcatctt ctccaatctg agagtccagg 540
gatgcatgcc ccagccaggt tgcaacctgc tcaatgggac acaggaaatt gggcccgtgg 600
gtatgactga gaactgcaat aggaaagatt ttctgacctg tcatcggggg accaccatta 660
tgacacacgg aaacttggct caagaaccca ctgattggac cacatcgaat taccgagatg 720
tgcgargtgg ggcaggtgtg tcakgaracg ctgctgctcc tagatgttag gantcacatc 780
aaccctggtg gggacaaaag gct 803

<210> 757
<211> 796
<212> DNA
<213> Homo sapiens

<400> 757
ggcacgaggg aagaagaaaa aaatggatgt tggaaagttg twgcatgtct ctctggatag 60
ctcagaagta tcagttgtgg ttattscctc acttggcttt tgtaagcatg aaaaagccag 120
ggacaatttc aactaccatt tctgaccatc atcaaccaca aattttaggc aatttgttag 180

aatttttttt aaatgttctt aatagttgtt gggtacctgg gagatttcag agaaagtaat 240
caccttttgta tatattatta atgtgtttat aatagaaatt aaattctttg ggatgtacag 300
gtaagataag ctatgtgaag catagctgtt atccaagtcg tgtgcctttg aaatacttgg 360
aatttgaaga acaggacatg cagcttatgt tataattaat ttgcgagcaa tatatggcat 420
gatagtattt tcttatctaa attctgagtg cattgaaagt ttaaagcaaa ggacaaaagc 480
ttcctttgtt catggcccat attccagtat atttttctga aactgccaat attttctgat 540
cggtactttc atttttctag ttggttacca aatactgtta ttggtattat ttctatataa 600
aaggctttaa gaagactata gtataatttt cttaagaaaa aagacatgat tataagctaa 660
aatatgcctt cggttttgtg tgctacaaat tgagggagat tgagaatatt ttaaatcaag 720
ggcmgacatt gagtaaaagc ttatgacttt ggatggattt gaaacaygat taaatgacag 780
agtaaataaa aaaaaa 796

<210> 758
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<400> 758
aattcggcag agggttagaa tcagtctaga aatcatgtca aattcttatc acttgctatc 60
aaactagctg gttcaattcc ttattagtga tctgcaataa gataaaatct tgtgctacaa 120
cataaagcaa ctatctcaat aaacacagtt taattcagct aactttattt ttttttgtag 180
caagawtttt tcagtgaaat aagtggtgtg ttgatttata gtttggtgca agctccctat 240
cttcttgcag acctataacc attgtgccag ngggtaagaa atggtcccca gccccttcac 300
ccgtggcact gncccncaca gggaacccct ttggc 335

<210> 759
<211> 1019
<212> DNA
<213> Homo sapiens

<400> 759
gtggtgagct gagatgacgc cattgcactc cagcctaggc aataagagca aaactctgcc 60
tcaaaaaaaa aaaaaaaaaa aagtctaaag gcttaaagtt tgatgcagct acctgaaatg 120
atcttttatt tatttattat tagaaaaagc aaaggcatat gggcattgct tattagtttg 180
aattctagag actagatctt aaagtagtgg ttctcaaagt gttgtgcccg caccaacatc 240
agaatggcct gcaaacttgt agcaaactct ggggaggagg ccagcattct gtattttaac 300

aagcttccct caggagattm tgatgcctgc taaattttgg gaaccactgt tttaaaggaa 360
actttttttt tctttaatag catttaattg tatgasatga ttgcttttac atgtgatttc 420
cttgcaaatg ttctgaagtt gaggcatcac caaacaagtc tgaacaattc tttatgtgat 480
ttatttttaa agtagacctt ttgaagagat ctatgaatgg gatataaagc aattttcagt 540
gttacaggtt ttcttcttct tctcaaaact gtttgctgta agtaactgca atcagtactt 600
actactttcc atttgcttat gagtttcttg acaaatcaag gtgtagaaaa ccagttatta 660
agtgattttg tactttcctg gtagttgtca ctaaaataat ttttgtggca tataaatata 720
tttaataaaa tgcaaaaatt atcttcctgt ctagtagaaa aaattacatg agtaaagtga 780
agcttctgtc tttgttactg taccaggtga caacagmtga gtgtccctcc atggacagtc 840
actattggcc ttttgagtga gacagttctt taggataaaa rcctgtcatc ccattgcagg 900
attcatttag cctttctggc ccttacccas tgatgctagt cattgtgacc accccacctc 960
ccccaaataa aagtgtgcca aactaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 1019

<210> 760
<211> 1504
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1441)
<223> n equals a,t,g, or c

<400> 760
ggtcgccgga aactccgggc ggcggaggct ggaccagagt cgagttccct cctcctgcac 60
caaagggagc cgccaccgtc tggtgtctaa accgcctcgg ttccagaaag ctgagtctga 120
tctggattac attcaataca ggctggaata tgaaatcaag actaatcatc ctgattcagc 180
aagtgagctg tcaccactga ctaaagaaga gaaaactgcg gcagagcaat tcaaatttca 240
catgccagat ttatgaagaa atggacttgg aaaggaaatt ctaacagaga agagcttaat 300
tccggagaaa tttaggaaga tgtcttgtta acccttgatg tctagagatt gggggctggt 360
gaaggggtt tggcttcaat gactggataa tgatatcttt catgagagag attataagaa 420
gaagggcaga taatatatga ataaagttca gccaaaagga tcaaatgaga ataaaacgat 480
ttaaatatat gtacacacgc atgcacacac acacttagtc ttgtaatttc aggccagaaa 540
ttctcaacac tattttgcat ctgttttctt tttctaagtc atgataatat agatgttctg 600
gtctatcata aaagaatgtt tatgtacatt tcagtcattc ggtatgtggc tttgtaaatt 660
aaagtatagg caaaacattt gtgttataca tgatatataa tttcattttg taaatgttga 720
ttgcacatgt ggtcacatta ttgttgagac tgcttttatg tgacctgtag tctcccacag 780
aacctaaagt aataagctgg cttttctgtg atagccacgt ttgcgtattt ctttccctat 840
ttcccttgcc tgctaatgtt gaacagcatg aacttgcttt ctgatgctgt tttagactgt 900
ccctgttgta tctcaataat atctttgttt tccttcagcc tttattacta taattgttca 960
ttctacatga aagctaggaa actgraatta gaagagcact tatctgctac ttgccagttt 1020
tgcgtgagtg tgttatatgt atgtgtcaat ttccctttaa aataactatt tattttaaaa 1080
taactattgg caataaggaa actgttcaaa gtagaggcag atcttgatag aaagatgtta 1140
atcacagggt tgtttataat agcaatatac atacacattt ggctagtact aggtgaatag 1200
gaaaataaat catgctgtat gtatacaata agaggtcaag ttgccaataa attattactg 1260
ttaatgttct gggraatgct graactatgc taartggggg agagggraag caggtattgc 1320

artttttgtar tgaagattgg gctttggagt catatctgag atgtaagtag cagcttttaa 1380
atncctagct atgaccctgt gcagatcact taacttttga gtggtcagga tgttggaagg 1440
ncaagacagg aaagtggttt taataccagg gtcccagtat ttagtaagcc tccaataagt 1500
gata 1504

<210> 761
<211> 813
<212> DNA
<213> Homo sapiens

<400> 761
gggccgaggc agggggatca cctgaggtca ggagtctcta ctaaaaatac aaaaattaga 60
caggtgtggt ggtgggcgcc actcaggagg ctgaggcagg agaatcactt gaacccggga 120
ggcagaggtt gcagtgagcc agatcatgct gctgcactcc agcccggccg ctcaccgtgt 180
gtgttgctgg gtgctggggc tgtgacttay cccctctcct ttagccttgc cataagtgta 240
gtatcctatg aggctgagat tgggaaaggt tacatgcagg taagccagtg gacgtggccg 300
atgcttcagg ctccttccag ccaggtccag cagtgttacc atctgcttct cctgggagga 360
caaaccaggc acccccacca tgaaggggct gcaggcacca tgaactatgt taacaacccc 420
agtctgtact acagaaaggg ctgcagccac atgagaattc agtccacaca agccccatgg 480
ccgtgttccc cacttcagcc acagggctca gggagcccca tctggcgcta aggggaactg 540
ctggggtgtg ggtgacacct ggcctttggc gttctgcctt ggggaggttt ctggttttgt 600
tacggggtgg aagaatagga cctgggggtc tcggatgcaa cctgcagacc ccgtggctca 660
cccaacccca ggttctgcct cccagaccag aacgggcatg gcctggtcct tggcaccgag 720
gtgcctgctc tgtaaatatc aagggattac aactttaata ataaagcaga acttgaaaac 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 813

<210> 762
<211> 2013
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1976)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1995)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2004)
<223> n equals a,t,g, or c

<400> 762
gcggccgctc caacatcaga atctgagctc cgggtgacgc ggctgcggta gctgcggata 60
caagccttcc gcgggtcctg cctggcgacc ccgacctcct cctgctgtct ctccgctccg 120
ccaccccgaa cccgccaagg tcctgtcctt ttcctcctgt cctttgccag cgttgggccg 180
gaccgggccg agccgggccg cccgggcgca gtctttaacc atggcgtccc tcttcaagaa 240

gaaaaccgtg gatgatgtaa taaaggaaca gaatcgagag ttacgaggta cacagagggc 300
tataatcaga gatcgagcag ctttagagaa acaagaaaaa cagctggaat tagaaattaa 360
gaaaatggcc aagattggta ataaggaagc ttgcaaagtt ttagccaaac aacttgtgca 420
tctacggaaa cagaagacga gaacttttgc tgtaagttca aaagttactt ctatgtctac 480
acaaacaaaa gtgatgaatt cccaaatgaa gatggctgga gcaatgtcta ccacagcaaa 540
aacaatgcag gcagttaaca agaagatgga tccacaaaag acattacaaa caatgcagaa 600
tttccagaag gaaaacatga aaatggaaat gactgaagaa atgatcaatg atacacttga 660
tgacatcttt gacggttctg atgacgaaga agaaagccag gatattgtga atcaagttct 720
tgatgaaatt ggaattgaaa tttctggaaa gatggccaaa gctccatcag ctgctcgaag 780
cttaccatct gcctctactt caaaggctac aatctcagat gaagagattg aacggcaact 840
caaggcttta ggagtagatt agtcaaaaga agtcatacta ttttgcttac ttataattat 900
gtagtataaa ccaagcacag tgcagatttc ttttacaaaa cacatgtatt ttgcaaaaaa 960
aaaaaaaatg aagaccatga gtgaacagtt gtttcctaac ccatggctat ttagaatctt 1020
ttgccaaaga atgacaatga tgcaaaaatg ggaacagttt ggattttaat tagaactgtt 1080
taggagtgat gatgtgtaaa aagttgactt ctcttttgca tggcacagag aaattatatt 1140
ccttacttca tgtcagttta tgttctaaat ctttttcact gaatataaaa atcttgttaa 1200
atgccattag gcaccaactt aaagagggtt gtaaaaatat taaaagtata tcgttaattc 1260
tgtatctgtt gcttgtcttt tgtaagtgat tatgtgttat gaccataggt ggttacagct 1320
gccaaattat ttttaaatgg tcaaaaagaa gagtgctatt taaacatctg tcttaaacaa 1380
aaactgtcat aacttttctt ttttcttttt ccattaggag aacattctag ttggtaaatt 1440
tcaaaatgtg cttgacacct gccttaaata gcacagacct attgtgcaca tctttaaatt 1500
atttcagctg gcagaaaaga attacattta aaactgaaat caaggcctca atacaaagat 1560
tatcctggct cttttctatc tctgtgggcc taattgaaat atgtactctt attttagaca 1620
cgcctctgtt aaaacagacc aggttttcct ggtctcagac ctatgatgac ttgtcccttt 1680
gatgtcacta ctgtgaattg aatataatta gtaaaaatag acgatgaata aataacactt 1740
tatagtaaga aaacaatata ttttggccat ctaaaaatga gaattataat tatatgaatt 1800
ataatttaaa ctgtttaatt ttgtttaatg tgtatattga atcttccaaa ttgaagccat 1860
tattctcaat taagtactac aactatgaca atgcttgacc tacatttcta aaataaaaat 1920
tcacattttt tgataaataa actacagttt taccagaaaa aaaaaaaaaa aaaaancccg 1980
ggggggggcc cggtncccat ttgngcccct tgg 2013

<210> 763
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (596)
<223> n equals a,t,g, or c

<400> 763
cactgtgcct ggccagattt ntttttaaga gattcatcat accttgacct gtgccccatt 60
tccctcctcc acctgtctga cctggcattc ctatttcggg agaccagaag tgggggggaag 120
agaagggatg actgkttctt tgktttcacc attcctgcat gccatgcaaa ggaaggaata 180
ttgcgctttt aaatatymgt tttattaagt aagtggttac tctttcaarg acaaaaaaaa 240

tgcaaattgt tacaaaactg gcagtatttg taagtgcaag cactacacgc tgccttgttc 300
ttttaccaat tgcatttgca ttttaaggta ctacttgtac agccatggtg gagaacagtt 360
tggaggttcc tctaaacact gaaaatagag gtgccacatg atccagcaat cccactgttg 420
gatatatacc ccagaaataa gaaatgagta tatcgaagaa attatctgca ctcccatgtt 480
ggttgcacca ctgttgacaa tagctaagat ttggaagcaa cctaagtgtc catcaacaga 540
ttaatgtatt aaagaaaatg tggtagatac acacagtgga gtattattca gcctanaaaa 600
gaatgagatt cagtcatttg 620

<210> 764
<211> 1934
<212> DNA
<213> Homo sapiens

<400> 764
ccatgcactc cagcctgggt gacgagaaag actccgtctc aaaaaaaaaa aacaaactct 60
tatttaattt ttagttaaaa ttaaaacact agtacttcag aatatagata caagtacacc 120
atcttgaaga atttggagtt tttcagggca attcaaatga cctcattttt tgttcttttt 180
gtattccaga cagtgtttct gtcattggat ctctgattgg tagtgttaat aaatattctt 240
tcagtgtgag ccagattcat aaaattaatt ttcttcattt tagtagtaaa aagtagtcta 300
atagcttttt gtcagcttga ttttttktgtg tgtgtaatat tcaagggcag aatgacagga 360
cagataagca ataagaaatg tatagaatta gaaaatatag tagttccctc ttacccatgg 420
gacatacgtt ccaagacccc cagtgaacgt ctgaaaccat ggatagtata gacacctcta 480
tacactgttt tttcctatac atatatacct atgataaagt tctatttata aatcagggac 540
agcaagagat aaacaataac tgcaaataga acaattataa cagtgcactg taataaaagt 600
gatgtaaatg tgatatgtct gtctctttct ctyaaaatat cttattgtac tgtactcacc 660
tgtaatcaga ctgtggttga ccgtgagtaa cccgaaacca cagaaagcaa aatcgtggat 720
aaggggagac tactctatat gaaacttaag ttacaaaatt ctctgaagca tttgaaacta 780
gacgttttgg aattataaaa tagtcccttt aaaatatcca ctagtagaaa aaaacttcat 840
ttgcagagaa aagattgcaa taaaactcat tcctaaactt ttcaatttta taaaattaaa 900
cattcttttt ttatccgtat taacaatttc tagttacata gtttctagtt acatattacc 960
atatattact ctttatctac aaataaatag ctgatactca aactgatyat attttgattg 1020
ttaaacactt ggatctctca atacttctgt aagttaaagt gaacttaaac agtttcttga 1080
aaaactccag taggtggcag aatacctatt gaatattcgt tgctatactt tgctgtttgt 1140
cattaaaaca tctctaccca tattcttgca aaataatatt tatattttaa tggataggaa 1200
aatgatttgc aattagatgt ttccattctt gaaagaaaaa agctgcaaat aacattttca 1260
agaatataaa aaaatgagta aacaaaggga aggttgtttg gtcatttata gacaattaag 1320
cacagactgt agatgtcctt ccaattcttg ggaggctaaa ctgagtctac catttcttac 1380
atttctttta cctatttttt gagaattgcc agttgtacag tgtttagcat gtggaatgta 1440
ccaaatatat ctatgttgtg acttaagata ttctaaatgt ggataacttc tgacctagga 1500
aacatgaagt ttgtagtgaa gtaagtgaaa agaatgttca ggaaatttwt tttcyccatc 1560
tcttcagttg gcatttattg agagttttat ttgaatgctt attaaaagta tatgatttat 1620
aatatttaga aaatagaaga aaaaagaaaa ctgtagatgt tttatcttgt tttaatactg 1680
tatgtttagt acgtatacat ttatgttcta gtgtatcaaa atttttcatt ttcattaaag 1740
tgaatccaat tttccatatt ctaggtccat tttaaaccat gaaaacttta atcacatatt 1800
ttgtaaaggg ctgaaagtat gatttaaact acagattgat atattttaat tctaaatgaa 1860
aggtaatgta aataagcatg gatctgattg aataaagatt ttaaaatarw aaaaaaaaaa 1920
aaagggcggc cgct 1934

<210> 765
<211> 159
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<400> 765
acctggcctc tctattctct mcttcctctt tctagaattt ctattaggcg gatgttgaat 60
ctcctgaatt aatctctaat tttcttccct tccctttccc ttctccttcc cttcccttcc 120
ccttctctcc cctcccctcc cctmccttcc cntcccctc 159

<210> 766
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<400> 766
acccacgcgt cckcccagaa tactgggtcc aaatacagaa tactaggtcc aaaaggctgc 60
catgcggctg gccttcctgc tgggaaggag tctgtctgtg tgtctgtctg tgtttaggaa 120
gggaggttga ggcagggcag ggtcagagag cactgccgtg gggaggaggg tatccatttc 180
ctggtgatat ccttccattc aaagcgggta tcccagaaca ggtggccagg gacgggtgag 240
ctggggaggg ccaggagaga gatctctgct tgtgtgagaa aggatggccg agctggccta 300
gaaccgctgc tagactatct ccaaagtttc tgcagcaccc tgaaggtgaa ccagtgcctt 360
cagaccttcc ctgacaccta agccttggtc ctaggaaara aaaaaaaaaa gggnggccgc 420
tctagngggt ccaagn 436

<210> 767
<211> 752
<212> DNA
<213> Homo sapiens

<400> 767
tcgacccacg cgtccgccca cgcgtccggg tgggtaaagg gccatgagcc caaaccacta 60
ggttgttcac cttttcatct gaaaatgctt tactctgact atgtgctatt gggttttatt 120
tccagaaaat atagttctcc ttttttctgc atgaaggata catcgtggtg ccacatgctt 180

taagcaattt aaacaagaga gataagagga aaatgcaacc accacatctg acttgcccaa 240
tgtagacttt cctctattag attgaagtac acaacctaat atgatatatt attttgtagt 300
atctcagact ttgtaaataa ataccattat ttttatatgg aaattttata gaagagctat 360
ttctgtatac gtaattactc ctgatttttct gaaattgctt ctggtagata acagacaagt 420
cctaagcagt gttccactaa gggtggttcc aggcctgcct gccgtggagt tgactggggg 480
aattttacag ttttgcgatc ctaggatgcg tcccagacgc tcagtcagaa gtgctggagg 540
tggggcctgg gaagctgtat ttgtaatgaa ctctggtgtt ttttgtccat taaagtgtat 600
ctttgtccat cctataagat taaaggaaag aaaaagcatc tcaaatgagt gtaagttgtt 660
cttgagaaaa aaatgtatca gacttttatg atttgaatga aatgtattat agaaaaaaat 720
aaacacttta aaataatgtt agtctcatta aa 752

<210> 768
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 768
gcggccgcgg ggtggcgctg caggtggtgc gggaagccag ccaggagagc aagttgctgt 60
sggtcatccg tgagaccagg gcggcgagtg gaagcacggg cggatcatcc tgcccagcta 120
cgacatggag taccagattg tgttcgaggg agtgataggg aaaggacgtt ccggagagat 180
tgccattgat gacattcgga taagcactga tgtcccactg gagaactgca tggaacccat 240
ctcggctttt gcaggggggca ccctcctgcc agggaccgag cccacagtgg acacggtgcc 300
catgcagccc atcccagcct actggtatta cgtaatggcc gccgggggcg ccgtgctggt 360
gctggtctcc gtcgcgctgg ccctggtgct ccactaccac cggttccgct atgcggccaa 420
gaagaccgat cactncatca cctacaaaac cttccactac accaacgggg ccctctggc 480
ggtggaancc ca 492

<210> 769
<211> 1174
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<400> 769
gnccacncgt ccggtgacgt acatccggcg agtagctggc ggtcccgggt gctgctggtt 60
agtgtgctct gagggagggt ccgagccagc cgctgttttg ccggaggagc ccctcaggcc 120
gtagtaagca ttaataatgt ctttcatctt tgagtggatc tacaatggct tcagcagtgt 180
gctccagttc ctaggactgt acaagaaatc tggaaaactt gtattcttag gtttggataa 240
tgcaggcaaa accactcttc ttcacatgct caaagatgac agattgggcc aacatgttcc 300
aacactacat ccgacatcag aagagctaac aattgctgga atgaccttta caacttttga 360
tcttggtggg cacgagcaag cacgtcgcgt ttggaaaaat tatctcccag caattaatgg 420
gattgtcttt ctggtggact gtgcagatca ttctcgcctc gtggaatcca aagttgagct 480
taatgcttta atgactgatg aaacaatatc caatgtgcca atccttatct tgggtaacaa 540
aattgacaga acagatgcaa tcagtgaaga aaaactccgt gagatatttg ggctttatgg 600
acagaccaca ggaaagggga atgtgaccct gaaggagctg aatgctcgcc ccatggaagt 660
gttcatgtgc agtgtgctca agaggcaagg ttacggcgag ggtttccgct ggctctccca 720
gtatattgac tgatgtttgg acggtgaaaa taaaagagtt ttacttctct ggactgatcc 780
tattcacagc ttcctcatga acttttctaa tagaacaagg aaagctctcc aaccatgtct 840
ggcgttgaga agccaagagt ctctgtcaac tctctcattg cccagtggtg acatgtgctc 900
ttctccacac tgttgggagg taatgctgcc ccacgtgctg gtgcaggtca gtatcctggg 960
acttggaagc tggcaggatt tgccgggtaa agctgtatgc catcatgggg cacctgaaaa 1020
graaaacacg tctcaccact gtggttgatt caaaagaaag tgattctatt ttttaaagaa 1080
agcgttgtta atgtaattgg tatccctcct aacttttga gttcasaatt tacttggtca 1140
gattttctat tctttttttt ttttaaacta atga 1174

<210> 770
<211> 2468
<212> DNA
<213> Homo sapiens

<400> 770
gaaggaaggc atcctctttg tcacctaccc agatggtagg ccaacagggg acgcttttgt 60
cctctttgcc tgtgaggaat atgcacagaa tgcgttgagg aagcataaag acttgttggg 120
taaaagatac attgaactct tcaggagcac agcagctgaa gttcagcagg tgctgaatcg 180
attctcctcg gcccctctca ttccacttcc aacccctccc attattccag tactacctca 240
gcaatttgtg ccccctacaa atgttagaga ctgtatacgc cttcgaggtc ttccctatgc 300
agccacaatt gaggacatcc tggatttcct gggggagttc gccacagata ttcgtactca 360
tggggttcac atggttttga atcaccaggg ccgcccatca ggagatgcct ttatccagat 420
gaagtctgcg gacagagcat ttatggctgc acagaagtgt cataaaaaaa acatgaagga 480
cagatatgtt gaagtctttc agtgttcagc tgaggagatg aactttgtgt taatgggggg 540
cactttaaat cgaaatggct tatccccacc gccatgcctg tctcctccct cctacacatt 600
tccagctcct gctgcartta ttcctacaga agctgccatt taccagccct ctgtgatttt 660
raatccacga gcactgcagc cctccacagc gtactaccca gcaggcactc agctcttcat 720
gaactacaca gcgtactatc ccagcccccc aggttcgcct aatagtcttg gctacttccc 780
tacagctgct aatcttagcg gtgtccctcc acagcctggc acggtggtca gaatgcaggg 840
cctggcctac aatactggag ttaaggaaat tcttaacttc ttccaaggtt accagtgttt 900
gaaagatgta tggtgatctt gaaacctcca gacacaagaa aacttctagc aaattcaggg 960
gaagtttgtc tacactcagg ctgcagtatt ttcagcaaac ttgattggac aaacgggcct 1020
gtgccttatc ttttggtgga gtgaaaaaat ttgagcyagt gaagccaaat cgtaacttac 1080
agcaagcagc atgcagcata cctggctctt tgctgattgc aaataggcat ttaaaatgtg 1140
aatttggaat cagatgtctc cattacttcc agttaaagtg gcatcatagg ygtttcctaa 1200
gttttaagtc ttggataaaa actccaccag tgtctaccat ctccaccatg aactctgtta 1260
aggaagcttc attttygtat attcccgctc ttttctcttc atttccctgt cttctgcata 1320

atcatgcctt cttgctaagt aattcaagca taagatcttg gaataataaa atcacaatct 1380
taggagaaag aataaaattg ttatttccc agtctcttgg ccatgatgat atcttatgat 1440
taaaaacaaa ttaaatttta aaacacctga agatawatta gaagaaattg tgcaccctcc 1500
acaaaacata caaagtttaa aagtttggat ctttttctca gcaggtatca gttgtaaata 1560
atgaattagg ggccaaaatg caaaacgaaa aatgaagcag ctacatgtag ttagtaattt 1620
ctagtttgaa ctgtaattga atattgtggc ttcatatgta ttatttata ttgtactttt 1680
ttcattattg atggtttgga ctttaataag agaaattcca tagtttttaa tatcccagaa 1740
gtgagacaat ttgaacagtg tattctagaa aacaatacac taactgaaca gaagtgaatg 1800
cttatatata ttatgatagc cttaaacctt tttcctctaa tgccttaact gtcaaataat 1860
tataaccttt taaagcatag gactatagtc agcatgctag actgagaggt aaacactgat 1920
gcaattagaa caggtactga tgctgtcagt gtttaacact atgtttagct gtgtttatgc 1980
tataaaagtg caatattaga cactagctag tactgctgcc tcatgtaact ccaaagaaaa 2040
caggatttca ttaagtgcat tgaatgtggm tatttctcta agttactcat attgtccttt 2100
gcttgaatgc aatgccgtgc agatttatgw ggctgctatt tttatttttct gtgcattact 2160
ttaacacctt aaagggagaa gcaaacattt ccttcttcag ctgactggca atggcccttt 2220
aactgcaata ggaagaaaaa aaaaaaggtt tgtgtgaaaa ttggtgataa ctggcactta 2280
agatcgaaaa gaaatttctg tatacttgat gccttaagat gcccaaagct gcccaaagct 2340
ctgaaagact ttaagatagg cagtaatgct tactacaata ctactgagtt tttgtagagt 2400
taacatttga taataaaact tgcctgttta atctcaaaaa aaaaaaaaaa aaaaaaaaaa 2460
aaaaaaaa 2468

<210> 771
<211> 1488
<212> DNA
<213> Homo sapiens

<400> 771
tcgacccacg cgtccgcggg aagcgagccg cgcagcaaca aactcgccgc cgccgccctt 60
cagcgactgg rgccgcctgg aggcgcsatc ctcagcggct ggaagacctt ctggcagtca 120
gtgagcaagg agagggtggc gcgtacgacc tcacgggagg aggtggatga ggcggccagc 180
accctgacgc ggctgccgat tgatgtacag ctatatattt tgtcctttct ttcacctcat 240
gatctgtgtc arttgggaag tacaaatcat tattggaatg aaactgtaag agatccaatt 300
ctgtggagat actttttgtt gagggatctt ccytccttgg tcttctgttg actggaagtc 360
tcttccagat ctaggaatct taaaaaagcc tatatctgag gycactgatg gtgcattttt 420
gactacatgg cagtctatag aatgtgctgt ccatacacaa gaagagcttc aaaatccagc 480
cgtcctatgt atggagctgt cacttctttt ttacactccc tgatcattca gaatgaacca 540
cgatttgcta tgtttggacc aggtttggaa gaattgaata cctctttggt gttgagcttg 600
atgtcttcag aggaactttg cccaacagct ggtttgcctc agaggcagat tgatggtatt 660
ggatcaggag tcaattttca gttgaacaac caacataaat tcaacattct aatcttatat 720
tcaactacca gaaaggaaag agatagagca agggaagagc atacaagtgc agttaacaag 780
atgttcagtc gacacaatga aggtgatgat caacaaggaa gccggtacag tgtgattcca 840
cagattcaaa aagtgtgtga agttgtagat gggttcatct atgttgcaaa tgctgaagct 900
cataaaagac atgaatggca agatgaattt tctcatatta tggcaatgac agatccagcc 960
tttgggtctt cgggaagacc attgttggtt ttatcttgta tttctcaagg ggatgtaaaa 1020
agaatgccct gtttttattt ggctcatgag ctgcatctga atcttctaaa tcacccatgg 1080
ctggtccagg atacagaggc tgaaactctg actggttttt tgaatggcat tgagtggatt 1140
cttgaagaag tggaatctaa gcgtgcaaga tgattctctt ttcagatctt gggaactgaa 1200
accatttgaa atttattact aaggtcgtga tgtgaatatt tgctcagtca gcccaccttg 1260
tcctgccttt ttgcagatag gctttcattt ggacagctat aactgctgtg ttttttatat 1320
tatttttact ctttaccata aatcaattac aagaaaagag tttcagtcct agtatttagc 1380
cccaaaatga acctttaaac atttttttgg taatttttat attttctgtc tttttaaaaa 1440

tattaaattc tggaaaaaam aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1488

<210> 772
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<400> 772
atttttgata gttcacaaac cactcacaaa agaatckgaa atttctccaa gtgttaagag 60
aaagcaagct atgaaatgct atatttgtag gcttaaaagt aaattagtgt gttttcttaa 120
aaatctaaac caagattaaa atgaatatag tcataggtat gaggggcatg taatttatct 180
tccgactgga gataccttg agagttaaag gaggagcaat taattgttat tccaggacaa 240
cagatataaa tcgagattat actaggtgaa ctgggacata tggtcatctt tgtcatagct 300
taattcagga aaaaaggagt tagggaartc tgaargtcta actcaaagtt tngatgcttt 360
ttaagcaagt ttagggaact tgagatgacc tgattgagac ccctaaatct acagatgagg 420
aaagcaagcc tcaagcaagg ggggcctgac ctttccctgk tccctgkgta ttcctgkctg 480
kggcaaarcc cattgccttg attctcttct ctttactttc attttgagaa gtannttctt 540
tctgcng 547

<210> 773
<211> 1394
<212> DNA
<213> Homo sapiens

<400> 773
gcaaatatag acatcatatg tagtttgtac atgtttcaga aacttgtttt ttctttgctc 60
tgtgtaacct atttcctatt gctagttcag ttggctttct tattcacttc tgtgaccctg 120
aaccagttct cagaccctag agtgtaagag cattgatttt ctacgctgtg taatctagct 180
caatccctct gtcccctccg cctcaccgtc ccccagccac cacattgtat agcaaaagca 240
ttacattcaa tcctagaaya aaggtaaata caacaaatca tctttgcagc tggacaacta 300
ataatacttt gcagcattaa gagatcttct gtgttaccag tcactctgtt gaaatgaact 360

ttccgaatct ctttattcag gaaaacatgg ggttttgaaa ttcttgggcc aagagacata 420
actgaggggt tcgcagagct aggcaagggt gcactaggaa agggccacat tggtgggtgg 480
ggggtaacag agaacagatg gtgtcaggaa gtttctctgg agtaaataat gtggatattc 540
ttggtttccc tctcctccgc cagctgaagc tgtgttagtg ctgttgacac taatataaaa 600
tgtttggtcc atttgaaatc cttgtcattg ccttatatgg gggaaactca atcccccagc 660
ctgtgttgga aatatcacca aactgattgt aaatgtgcgg ctgtagcaga cattttagtg 720
tggtggtgtg cagccatttc ggccctacac ctgccarcct ggctacctta cagttgtgtt 780
ccgatttttg cgtctatgct tggtgtgcct cacttgctgc attttccagc atgcaaccag 840
gagttgacgt aggaaaaagg gatgctttct tactttggaa gctctcaggg aagttggtgt 900
caatttctcc tccactgcct ggcctaccct gcactcccaa agattttgtg cagatgggta 960
gttccatttt ttaaaaattg tgcagatatg gaaaattgtg acttacttca tgaccagaac 1020
tatctagaat atgtgtgggg gtataaacat cttgcttaac caaatatcta tgtaggcaga 1080
ggtaaccagg agagaagcaa gacttgctgc ctaaaggagc ccaccatttt acttttcaca 1140
tttaatctgc cacgttgaat caattggaat aaaacctgac tcgcaggtga ctggacagga 1200
aatcccaaag ttccaccatt tctatgctta attttaacgt ccccccgctt ttttttttgt 1260
agaaaataaa aacaagaaaa tcgttccaat gtaagatgtt tgttatagaa actttaggca 1320
atacaggtgt gtaataaaat gtttaataaa cttctaaaca cttttgtatt tggataaaaa 1380
aaawaaaaat aaaa 1394

<210> 774
<211> 667
<212> DNA
<213> Homo sapiens

<400> 774
agtcggtccc ggagctgcct ggaggcggcc gcactcgggg atcatggccc aagttgcaat 60
gtccaccctc cccgttgaag atgaggagtc ctcggagagc aggatggtgg tgacattcct 120
catgtcagct ctcgagtcca tgtgtaaaga actggccaag tccaaagccg aagtggcctg 180
cattgcagtg tatgaaacag acgtgtttgt cgtcggaact gaaagaggac gtgcttttgt 240
caataccaga aaggattttc aaaaagattt tgtaaaatat tgtgttgaag aagaagaaaa 300
agctgcagag atgcataaaa tgaaatctac aacccaggca aatcggatga gtgtagatgc 360
tgtagaaatt gaaacactca gaaaaacagt tgaggactat ttctgctttt gctatgggaa 420
agctttaggc aaatccacag tggtacctgt accatatgag aagatgctgc gagaccagtc 480
ggctgtggta gtgcaggggc ttccggaagg tgttgccttt aaacaccccg agaactatga 540
tcttgcaacc ctgaaatgga ttttggagaa caaagcaggg atttcattca tcrtkaagag 600
stgaagtgtt tctccgttgt accatcacag tgatcggata attgaaatta gctacgttaa 660
tgattta 667

<210> 775
<211> 1610
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<400> 775
gagagaaata gaaagaaaaa gacaaagaga agaagagagg aggaaatgga aagaagaaga 60
gaaacgaaaa aggaaagata tagaaaagct aaagaagata gacagaattc cagaaaggga 120

caaattaaag gatgaaccaa agattaagct gctcaagaag ccagaaaaag gagatgaaaa 180
agaattggac aaaagagaaa aagccaagaa attggacaaa gagaatctca gtgatgaaag 240
agccagtggg caaagttgta cattgcccaa gcgttctgat agcgaactta aagatgaaaa 300
accaaagaga cctgaagatg agagcggcag agactwtagg gagagggaac gggaatatga 360
acgagatcag gagcgcatac ttcgagaaag agagaggctg aagcggcaag aagaagagcg 420
ccgtagarga aggagcgcta tgagaaagag aagactttta agagnaaaga agaagaaatg 480
raaaaagaga aagacacact tcgggataaa ggaaagaagg ctgaaagtmc agaatcaata 540
ggcagctcag aaaaaactga aaagaaagaa gaagtggtca agagagatcg aataagaaac 600
aaggatcgtc cagcgatgca gctttaccaa ccaggagctc gaagccgaaa tcgactctgt 660
ccccctgatg acagcaccaa gtctggagat tcagcagcag aaaggaagca ggaaagtggt 720
attagccata gaaaagaagg aggagaggag tgataagtcc agatggcctt aggtgtcctg 780
actgtctagg cagccaaaga gcacacgtta agcaatccag aggtgccttc agggcaaaga 840
atagagagaa agggagccgc tgtgctggtg gggtacactg cagaggagta agtcttgtgt 900
caaagcagga atctgatcag aggttcagaa ttggaagtac aatttcattg cttttgcaat 960
ttctacaaat taattttaaa gtgtcagaaa aaggtgacgg caaggacatg cattgcaatt 1020
tgcaggggga attgtcaagt gaggacttca tccatatgac cgagagaaaa gtaagagctg 1080
gttctaaaat caaaagctgk tgktcatctg aattgaattt tctgaatttg ggtggagcag 1140
agtcgctttg aagccttgtt ccgatctaat tctattgtat tgttgatgat aagtgttgac 1200
attgggtagt gtagaagcaa caagcatgtc cttgtagtac aggtacagtg aaggatagaa 1260
cacactttcg ttgatacaaa aatttaaata gttatgttac ttctgtatcc agtgtcctaa 1320
agttttagga ttagttttag ttttttgttt gcttatatga gcttagcgta aagaatattt 1380
ttaaacttcg tgttttgtca tcagcatctt ttctattaag aggtaaaatg tagtccttgt 1440
ttgactcttg acaatccagt gtgtttgatc ttaggtctca tgatctgagt gcataccctc 1500
tccaggaagg aaactgcacc agtgtctatt cctgttaaat agcaactttt agtctcagct 1560
tgtttcgttt tgatgtcaat aaatagtaac agcaaaaaaa aaaaaaaaaa 1610

<210> 776
<211> 555
<212> DNA
<213> Homo sapiens

<400> 776
ggcacgagga ggttaggaaa ccagttaaag ctgttggata tggaacttat ggacactatc 60
atatcaaagt gggttggcat tttcctggtg aaaatgacat aaataaaatt aaaagacttt 120
tttaaatgaa tgcttggaaa ttgtaaaaac tgtcatttcc tctttttatt tcttaacagg 180
atggcttaaa ttccttggtc cttgatttag attttcctgc tttgaggaaa aacaagaaca 240
tagataattt cttaaataga tatgagaaaa ttgtgaaaaa aatcagaggt ctacagatga 300
aggcagaaga ctatgatgtt gtaaaagtta ttggaagagg tgytttggt gaagtgcagt 360
tggtcgtcac aaggcatcgc agaaggttta tgctatgaag cttcttagta agtttgaaat 420
gataaaaaga tcagattctg cctttttttg gggaagaaag agatattatg gcctttgcaa 480
tagcccctgg gtggttcagc ytttttatgc ctttcaagat gataggtatc tgtacakggt 540
aatggagtac atgcc 555

<210> 777
<211> 221
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)

<223> n equals a,t,g, or c

<400> 777
ccctgtgcga taatattctt tcatcatttc agtgggnttt tggagggagg cggagatcca 60
ggtgatctgt ctacactatt cagtcagaaa gctggatggt ttttctcact gtttagctgt 120
gactcatact tagaaagtgg tttaaatgtg aatatcttag ttctggttgt acaattgagg 180
taatcctcaa ttcaggttgc tgtctggaca tttcatgact g 221

<210> 778
<211> 760
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (721)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (722)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (723)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (746)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (750)
<223> n equals a,t,g, or c

<400> 778
aatagaggtt aattttaccc agaagcagga tagagaaaat attacagaga aaatcacata 60
tcacatgggc tcgaaagatg tagaggtttt tgacaaatga agaacaacca taacaggtag 120
agggaacacc atgnaaccag ggcatgaaac tgaagtgcca taacatattc tagagagaga 180
agggtgtggg catgagttag ggctggaaaa acaggttgga aacagataag taagggtctc 240
aaatgcaatg tcaaagagct tgcagtttat tttccaggca atgagtaggc agccaaaaaa 300
aaaaagtaag gatgtttttt ttttttttcc catggcatca tatttaagag gatggattta 360
aattgtgtga gaccaaagca tagagactag ataagaggcg atcaaaatat ttcaaaaaga 420

aataatgaag atccaatgaa ggaagtggaa attaaaatag ggaagagagt agatggatta 480
gagagacatt taagagatgg aatcaataga tcctgttact agataatgga agtaagaggt 540
gaggaagagt ggaaaagtca ttaatgactc taaagatttc tgcttggctg cttaccaaga 600
ttggcaacaw amsggwggga raaaggtttg gaaaaagaag agaaaggata atgaagtttg 660
acttttacat agaaatgaaa gggcctttcc agatttggaa atcttttggg ttaaataatt 720
nnnaaatttt tgacctagaa aatttnggan ggaaaccttg 760

<210> 779
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<400> 779
tttattttaa aatatttatt ttatgtacaa aaaggtaaca tggtttctnt cattgggtgg 60
gtgccttaga taatccattc gtggaagatc acttagtcca acttaatgaa atctatatcc 120
ttcacgtatg anggaaacac tggtggcatg taacgaggct caatttccag atcagactgt 180
gcccagtttc agcagacmca atagcaagaa ccctggctga cttttcgcgg gtggctccag 240
tagagctgct ggtgaatcat cttgctttca ggagtgcgac agggcaaaag gaacaataat 300
tcttcatatc catctactac agtttcaaag cacttcagtt acgcttttta aagttcatat 360
tcttccagtc ttgaccagtg ggaactgagc tcctgaatcc ttgtgatatg acctggtatt 420
ttccatactt tcctttatga caagatgccc catccaggct cattttgtac atttctaatt 480
ccagacctag aatcagtcat cctccaagat gtcctgattc ccttttagtg aaattatttt 540
tttaacatta catattcaga caaat 565

<210> 780
<211> 1386
<212> DNA
<213> Homo sapiens

<400> 780
gctcagagga gcaatgacga ggtggcccga gaatttgtga aactcaaatc agagtctcgt 60
tccacggagg aggggagctg aacaccttcg actcctgtgc caatcaggca gcagcaattt 120
cacaaatcag ggccagtggg agttagctgt gtaaccggct tagggtcttt gcagtcaaga 180
ggctgacccc ttcagttaaa gatatttaag gaaaaatttg gggtggtgat aatatggctt 240
ttcacagaaa grgtcatgaa gccctggccc aacaggactg tggtactagg ggctgggatg 300
tggggttacc acatggagag attttccatt aagagagaag gacaaacatt tctgagagtg 360
tcagccattc ttggtagaca cctctccact cctcatccca cctctaccca tctccatgcc 420
acaccttatc cagttagaca catacatacc aatcattaga agaacaagtt tagaaggtgt 480
ggaacttgtg cctggctggc tgggtagtca gctgagcctg ttgctgagcc cggtggtctg 540
gattggagta tggccagggc aggagtacac agaatagaat ttagactgtc ccttgagtag 600
aatccactga ttttctgtgg ctccagtgag aacaaggctt tgaaactgaa caagataact 660

tctagaaatg aactgtacta atccctttcc ccagattgta tcatgagtag aatcaggttc 720
acgtggtgct tcaaagccct gagaagaata tttctttgga ccccaggcac taggggccac 780
ctgcctggga gtctccctgc ctcactcctc taggcagggg agtgatgctt caggacgtga 840
caggctgttc taacatgtgt ctacctgagg gctagttgaa ggatccagga gtattttctt 900
cttgggtggg ccctgaacaa agccaaaaat tgtagaaacc agtctagaaa aagtcctgct 960
catctgtggc cactgccttc tagccgtcct ccaccttgca gaaagaatct agcctttggt 1020
ctctctctct ctcatcgggg tcatttgcta ttcccctctg atattcaacc ctatagaagg 1080
agcctggact ctgatccctc tgtacaggct ggatggaagg ggccctccac acttcctggg 1140
aggtcagaga caaactgttt cagagagtca gatggacttc ccaagacttg ttgagagatg 1200
tgacatggtt cttggatttc ctctgtagca gcctcctgga cttcctgagg actcgacatt 1260
gtccacagat gtactggcca ttacatgaaa caagaaacca agcatcttgc ygttggtaat 1320
tatatagggg ccttttttagg gggtttaagg ccgtccgaaa aaaatcactt taggggaaaa 1380
aaaaaa 1386

<210> 781
<211> 1229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<400> 781
gcccacgcgt ccgcggacnc gtgggctaaa aatgccttta acattcatac tactaccatc 60
tggtaaaggc aatctagttt tttctatcac atccaccaaa attcttctar tctctaccca 120
ttatccaatt ccaaagcctt tttcacattt taagacattt gttacagaag tacccaatcc 180
gtcccagttc cacaatctgc attagattcc catggctgct gtaacaaatt accctctagc 240
ccagtggctt aaaacaatag aatttattat cttgttgttt tggaagccaa aaktccaaaa 300
ttgangggtt ggcagggctg aacgtcttct ggagactcta agggaaacac tcttcccgtg 360
tcttccartt tcttgtggct gccatcattc cttggtttgt gactgcatct ccctctcctc 420
tgtcttcaca tcacttcccc tctgtatata taatctacct ctgcctctct cttataagga 480
cacttgtgac gggacttagg gcccatccag attacccatg ataattccct tattccaaga 540
ttcttaatta tatctgaaag gacctttttt ccaaataagg tactatcaca ggttccaggg 600
agtaggatat tgaatatctt ttttggggag ggggcaccat gcagctcact acactattca 660
ttgcacacaa atgaattttt cacttttaa gatgcattct tggtgctcaa accagatcga 720
agtttgtctc taaaagctat tgtctgcaca ggctgctgca tgctctgttg ttaaatggat 780
ggacaggcta ttctaaattt tggttgatac ttttgctact atgggcaatt aacttgaaaa 840
aaataatcga tcccaactct gtgctctgat gtacctcttc tgccccttttt atgacacctt 900
tgaccaaatg ccttctatgg ttcacagtgc aggcacaaaa ctacctctga tacagaaggg 960
ttctttacaa gcttatttta cataccgtga atccctcacc taaagggaga ggtgaaagca 1020
aagactgctt tgaatgggta ttgagggaga ttgtgtccat accaagccac cctgaagaag 1080
tatttcactt gcagtagaac tgtggatttg tgctgtcatt tcaccttgga ataaacacct 1140
atctctaagc aggaccaaga atgacttgca atctatatgt aatggctact tacttattca 1200
ataaagttaa gatatacgtt aaaaaaaaa 1229

<210> 782
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<400> 782
tatgtaaata tgtacacaaa aattgttcct ccaaagacat ttttcagtat cttagcatat 60
tctaagggtg cagatgtaga attatttctc ttctctggct cagtagcatg tcagaatgga 120
acataggtat agaatgtttt ttgtatagac aaagcttcac tttcaggggc aaggtttggg 180
aaatangctg atagtaaagt catgtaacac ttctgtgcag gttaacattt ctggaccttg 240
ctttccttct cagtgtatgc atgagctatt yttcatgcac cactgggggg cccagtcttg 300
gnttaatcta ccagttggaa ttttaggang gacctgggct tgtttgg 347

<210> 783
<211> 295
<212> DNA
<213> Homo sapiens

<400> 783
atttaaaaat gcaagtgtgc tggcagaaag gggactgatg attctgtgac tctgcagttg 60
cagaagctcc gtgtaggaga ttatttggac atagcgatta cccctcttaa tcaggtgcca 120
cctccttcag ggcacatgag atcatattaa attctttttg agatagggtc tcactatgtt 180
gcccaggctg gtctttaact cctgggctca agcaatcttc ccacttcagc ccgccaaagt 240
gctgggatta caggcatgag ccaccacaac caacaaggtg ggtattaaat ctctt 295

<210> 784
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (663)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (706)
<223> n equals a,t,g, or c

<400> 784
aattcggcac gagcggcacg agttgttgcc tgggctggac gtggttttgt ctgctgcgcc 60
cgctcttcgc gctctcgttt cattttctgc agcgcgccan caggatggcc cacaagcaga 120
tctactactc ggacaagtac ttcgacgaac actacgagta ccggcatgtt atgttaccca 180
gagaactttc caaacaagta cctaaaactc atctgatgtc tgaagaggag tggaggagac 240
ttggtgtcca acagagtcta ggctgggttc attacatgat tcatgagcca gaaccacata 300
ttcttctctt tagacgacct cttccaaaag atcaacaaaa atgaagttta tctggggatc 360
gtcaaatctt tttcaaattt aatgtatatg tgtatataag gtagtattca gtgaatactt 420
gagaaatgta caaatctttc atccatacct gtgcatgagc tgtattcttc acagcaacag 480
agctcagtta aatgcaactg caagtaggtt actgtaagat gtttaagata aaagttcttc 540
cagtcagttt ttctcttaag tgcctgtttg agtttactga aacagtttac ttttgttcaa 600
taaagtttgt atgttgcatt taaaaaaaaa aaaaaaaaaa agggncggcc gccccaaaag 660
ggncccagct tacgtacccg ggccatgcga cgtccaagcc cctccnaaag gggcccccaa 720
attccattcc ctgg 734

<210> 785
<211> 1311
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1310)
<223> n equals a,t,g, or c

<400> 785

BNSDOCID: <WO___0122920A2_I_>

ctggcccgac tactttcgtt ccgtcttcca tcgttttctc tcgtgcaatg gcgtccgggc 60
tggtaagatt gctgcagcag ggacatcgct gcctcctggc tccagtcgcc cccaagctgg 120
tccctccggt tcggggagtg aagaagggat tccgcgccgc cttccgcttc cagaaggagt 180
tagagcggca gcgccttttct gcggtgcccg ccgccgcccg tgcgccgttc agagaagccg 240
aactgggatt accatgcaga aatacaagct tttggacatc ggttacagga aaacttttcc 300
ttagatcttc tcaaaactgc atttgttaat agctgctata ttaaaagtga ggaggccaaa 360
cgccaacaac ttgggataga gaaagaagct gttcttctga atcttaaaag taatcaagaa 420
ctatccgaac aagggacatc tttttcacag acttgcctta cacagtttct tgaagacgag 480
tacccagaca tgcccactga aggcataaaa aatcttgttg actttctcac tggtgaggaa 540
gtcgtgtgtc acgtggctag aaacttggct gtggagcagt taacactgag tgaagaattc 600
ccagtgcccc cagctgtgtt acagcagact ttctttgcag ttattggagc cctgttacag 660
agcagtggac ctgagaggac tgcacttttc atcagggact tcttaattac tcaaatgact 720
ggaaaagagc tctttgagat gtggaagata ataaatccca tggggctatt ggtagaagaa 780
ctgaagaaaa ggaatgtttc agctcctgaa tcaagactta ctaggcagtc tggtggcacc 840
acagctttgc ctttgtattt tgttggctta tactgtgata aaaagttgat tgcagaagga 900
cctggggaaa cagtattggt tgcagaagaa gaggctgctc gagtggccct tagaaaactt 960
tatggattca cagaaaatag acggccgtgg aactattcca agcccaaaga aaccttgaga 1020
gcagaaaaga gcatcactgc cagctagccg ccatggatgc agcagcctga aacttgagag 1080
cgaaagtgag ataaatgtca aaggtgtttc aagccagaca ttttcacaat tgtgaagaaa 1140
tagatgtttt gtttctgttt tttactgtgt tcccaaaatt aaataaatgt taaccaagtc 1200
acagtgtttt tggttttgtt tttctgaaat cttggttttg atcaaatctt ttttttttc 1260
tcttnagatg gagtcttact ctgtcgccca ngcttggact gcaatgggtn c 1311

<210> 786
<211> 633
<212> DNA
<213> Homo sapiens

<400> 786
acctactcct atatactgac ctgcctgtcc acgaataatk gtaargggtt tttgcmtgta 60
cagtttttac aagaattaca gtttkgtgaa gttgtgtcta aattaaagca tttctttaga 120
acaaatggcc ttaaattctc acggaattcc tggaaatgat tgtgaattgc cttcaaataa 180
tagaaaagtg tatttatttg tgtgtgtgtg tgtgtcaaaa atgtaactgc tttataatat 240
tttttcctta cctatatatt ctatttaata cttggtttat ttctactgta cattgttttc 300
tttgtcccaa gttgacctag ggtgactttt ataagcatga aactatttta ctggaaagaa 360
aaatatatac atccacatat ctaacagtat caatgttata taactatgta ataattgttg 420
atttttaatt atgtattaaa atctttaaat cataactatt tgctttgtac gtttcatgta 480
tgaatgacaa tagtttgatg atttccttta ctgatcttaa atatttatgc cactacagtg 540
tattacctac rgatttttaa atttagcttt atttatcaac ccaaaaaaca aataaataag 600
atcaatattc ttttcttctt gtcaaaaaaa aaa 633

<210> 787
<211> 1017
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (885)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (971)
<223> n equals a,t,g, or c

<400> 787
aattcggcac gaggtctttt cagcctgtaa ttctttgggc cccaaagaat gacaaaggag 60
gcactcgttc tcttttcttg ctgtatgcct agaaagtggt tgaaggattc ttgatgccct 120
aaaaccatct tgtaagctaa atggtcttgc atccagaaag gccagatttt acctaccaag 180
aaaaaaagat atttttccag agagttaggt atatcataat tttccatttc aagtnctttt 240
tataagtcta gtcattctgc aacgtgacat atcccccaaa atgaagttac cttccaagtt 300
ggacacgtcc cgtagttggg catatgtcta actaaaagtt tctgacttgt agtaaattca 360
gcttaaatat aagttgaaat ttgggaaata atttccaagc tcttggaagg ggtaacagtg 420
aaccgccctc catgggctcc acatcttttc ctttggcttc caaagtcagg tcccgcccac 480
cctgcctaag gaactgcaga gaggtggcaa atcagcaaaa aggacaccag gctcttcttg 540
gccacttgta ggaagatccc tttacaattt tgactaagga gatttttttt ttcacagttg 600
agttagtttg tgaaaataaa gaactctgta gctcaccaag gtggagaaac gcaattcaga 660
aaagtaattt ctccaaggtc acttcttttt ttatgtcttg ccatcacttt aaaggactag 720
ccccactccc ccatgtgtat acacaaggaa attgcagacc aattagttgt cttggcctga 780
ctctaatgcc ttttgcaagt agctttccag aagtaaaagt cccagtgatg tattcccata 840
gaaatatttt tcagttgttt atgtcgttta ctacaaaaaa aaagnttcag agtgggatgg 900
gagtacaact cttgrgtwtt tttctagtcc ggatttttta ttaattaatt cggtgctgcc 960
gggtcatggc nggctgcaac tctcaacatt cccttatttg ggtcagcttt tggcaaa 1017

<210> 788
<211> 2718
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2713)
<223> n equals a,t,g, or c

<400> 788
aattcggcac gagggtcttg gtcgtatgaa gccaaacaca cttgtccttg gatttangaa 60
agattggttg caagcagata tgagggatgt ggatatgtat ataaacttat ttcatgatgc 120
ttttgacata caatatggag tagtggttat tcgcctaaaa gaaggtctgg atatatctca 180
tcttcaagga caagaagaat tattgtcatc acaagagaaa tctcctggca ccaaggatgt 240
ggtagtaagt gtggaatata gtaaaaagtc cgatttagat acttccaaac cactcagtga 300
aaaaccaatt acacacaaag ttgaggaaga ggatggcaag actgcaactc aaccactgtt 360

gaaaaaagaa tccaaaggcc ctattgtgcc tttaaatgta gctgaccaaa agcttcttga 420
agctagtaca cagtttcaga aaaaacaagg aaagaatact attgatgtct ggtggctttt 480
tgatgatgga ggtttgacct tattgatacc ttaccttctg acgaccaaga aaaaatggaa 540
agactgtaag atcagagtat tcattggtgg aaagataaac agaatagacc atgaccggag 600
agcgatggct actttgctta gcaagttccg gatagacttt tctgatatca tggttctagg 660
agatatcaat accaaaccaa agaaagaaaa tattatagct tttgaggaaa tcattgagcc 720
atacagactt catgaagatg ataaagagca agatattgca gataaaatga aagaagatga 780
accatggcga ataacagata atgagcttga actttataag accaagacat accggcagat 840
caggttaaat gagttattaa aggaacattc aagcacagct aatattattg tcatgagtct 900
cccagttgca cgaaaaggtg ctgtgtctag tgctctctac atggcatggt tagaagctct 960
atctaaggac ctaccaccaa tcctcctagt tcgtgggaat catcagagtg tccttacctt 1020
ctattcataa atgttctata cagtggacag ccctccagaa tggtacttca gtgcctagtg 1080
tagtaactga aatcttcaat gacacattaa catcacaatg gcgaatggtg acttttcttt 1140
cacgatttca ttaatttgaa agcacacagg aaagttgctc catgataac gtgtatggag 1200
acttcggttt tagtcaattc catatctcaa tcttaatggt gattcttcty tgttgaactg 1260
aagtttgtga gagtagtttt cctttgctac ttgaatagca ataaaagcgt gttaactttt 1320
tgattgatga aagaagtaca aaaagccttt agccttgagg tgccttctga aattaaccaa 1380
atttcatcca tatatcctct tttataaact tatagaatgt caaactttgc cttcaactgt 1440
ttttatttct agtctcttcc actttaaaac aaaatgaaca ctgcttgtyt tcttccattg 1500
accatttagt gttgagtact gtatgtgttt tgttaattct ataaaggtat ctgttagata 1560
ttaarggtga gaattagggc aggttaatca aaaatgggga aggggaaatg gtaaccaaaa 1620
agtaacccca tggtaaggtt tatatgagta tatgtgaata tagagctagg aaaaaaagcc 1680
cccccaaata ccttttttaac ccctctgatt ggctattatt actatattta ttattattta 1740
ttgaaacctt agggaagatt gaagattcat cccatacttc tatataccat gcttaaaaat 1800
cacgtcattc tttaaacaaa aatactcaag atcattatat ttatttggag agaaaactgt 1860
cctaatttag aatttccctc aaatctgagg gacttttaag aaatgctaac agatttttct 1920
ggaggaaatt tagacaaaac aatgtcattt agtagaatat ttcagtattt aagtggaatt 1980
tcagtatact gtactatcct ttataagtca ttaaaataat gtttcatcaa atggttaaat 2040
ggaccactgg tttcttagag aaatgttttt aggcttaatt cattcaattg tcaagtacac 2100
ttagtcttaa tacactcagg tttgaacaga ttattctgaa tattaaaatt taatccattc 2160
ttaatatttt aaaacttttg ttaagaaaaa ctgccagttt gtgcttttga aatgtctgtt 2220
ttgacatcat agtctagtaa aattttgaca gtgcatatgt actgttacta aaagctttat 2280
atgaaattat taatgtgaag tttttcattt ataattcaag gaaggatttc ctgaaaacat 2340
ttcaagggat ttatgtctac atatttgtgt gtgtgtgtgt atatatatgt aatatgcata 2400
cacagatgca tatgtgtata tataatgaaa tttatgttgc tggtattttg cattttaaag 2460
tgrtcaagat tcattaggca aactttggtt taagtaaaca tatgttcaaa tcagattaac 2520
agatacaggt ttcatagaga acaaaggtga tcatttgaag ggcatgctgt aatttcacac 2580
aattttccag ttcaaaaatg gagaatactt cgcctaaaat actgttaagt gggttaattg 2640
atacaagttt ctgtggtgga aaatttatgc aggttttcac gaatcctttt ttttttttt 2700
tttttttgg ggngggtc 2718

<210> 789
<211> 2630
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1676)
<223> n equals a,t,g, or c

<400> 789
gcaacacaga gataagatgc aacaatccaa aaaccaggtt gtaagttcta caaatggaga 60
gttaaacaca gatgacccca ccgcaggacg ttcaaatgca cccatcacag cccctactga 120
agtagaagtg atggatgaaa ccaagtgctg ctgtttttc aaacgaagga aaaggaaaac 180
catacagcgc cacaaatgac tctggacaca gacagatcct ggggagttac ttacatgttc 240
atctgctgtc ttgtgattaa aatcatctct gtagtgacca cgtatatttt caaggactca 300
ctcttagaaa caaaaatgtc atactttcat acttcatttt gtggttgtct tacattcttt 360
ttctttttt ttttttctct aatttaacct ttatggaagc tttaaagttt tgtcaaaaca 420
tgagtgcttt gcccatcast gaayggaatg gaccaatgag gtggtatcaa tgaatatagt 480
tccatagaac attttccaga agttcttctg ttgtagaaag cagtacagta tcttaagtgt 540
caaccagtta tatacctaat ctggtttttt ataacttctg taagagcata atcaaacagg 600
aatttttctt tctcagtgga taatacaaca gagaaaacag agttgcccaa atatttaaaa 660
gaagttattc cttgagaagt tcatattttg tgacatctgc attgatttca gtattactga 720
tggtactgtt attcataagt catattaaca ttctctccgt gaaatcatgg tacagtcact 780
gcccagaggt actgaggaaa aagcaatatg ggttcggcag atggtggtgg taaaatgaat 840
cttaaggagt gtggtaaata tgtgctccgc ttttgttgca tcactatgtg aagtactgtg 900
ttgcagaagt ggcaaaagcg cttattttta aaaatgcaaa atatttgtac aatgtaactt 960
tatgcttcca aataataatg tatgttagac agcaagaaat gaatacttta aaaagtgata 1020
tatgttggag ttataaagaa atacactaag gagaggtagt aaatgtgaac cttgttgcag 1080
tgtataaggt ggaagcctaa agaaatctca ccgaaactta ctgctgaatg attacattct 1140
cccttaagca gaaaactttg gatgtgccat gcaatggtgt ctgtgtaatt attttgctct 1200
ttgattaaaa aaaagacccc cagcaataaa aagtgggtca ctctatgccc tctgtgcaca 1260
ttagtctctt gtattcaact ttgctgattc tctggaattt tcctactctt tagcataatt 1320
ttgatgattg aaaaatattt tggaaaggat gggtcaggtg ctttgcctcc atagtctttt 1380
gaagtgcctg catatgaaca acaacaacaa caacaaaaaa ttctgtaaaa aaggaagccc 1440
attccacttt tcaagtatgc tttgttttaa gccataaaga cacacatgta gttttgtcac 1500
attmtactag ccaaaatttt caagaagggt taaaacaaag actggctaga aagataatta 1560
ttttgaataa atctmatatt catctttcat ttatataatt gttacttatt cctcccatgc 1620
agtctcttcg ttgctttaag tgtgtgcctc caggcatgct tatttatttt tattgnctca 1680
aggtaacatt taagatgtat attaaagtaa arctacattt ttttacttca ttattgcatt 1740
tacagggatt taattgtact ttgtaattta tttttcttat taaccaaaag tttaatgcat 1800
tttttttga tgaattaggc acccacatga acaccacaaa tcaggacatt gtttatcatt 1860
gttgctatga atcctatgaa tgatcttttt tttattttaa agacctacac ttaacctaca 1920
aaacatttgc tgtataattt ggtcaacagt ttctatctat ctgtatactg tcatgatgtc 1980
ttaaactgca ggagttacat actgagttta tatttttatt tgctttgagc aaggtagata 2040
aacattttgg ccattataat gtgaaaccac ttcttctttc tttacagtat ttgaccaaac 2100
ttgtgtgtct atgatatttg taaatacatg cgaatatctg tatttcttat cataagccta 2160
tttagtttta ttctcagtag ggtttttggg attgtacagt gtttatatga tctgaactcc 2220
ttatacataa gaaggtgtgt atattaatcc aattatggac ttaaaatatt ttaaaagtat 2280
aaataccctt atttgctgca aagaccagtg tgtaggcatt tgctttttag caatattttt 2340
aagtgctcca ttttaatgcc gaggaataag tcttttggca acacaaactg gtcaataata 2400
ggtaatgcag gtatgttcag gttaagccaa caatgttttg catttttatg cttatttttct 2460
gtcaacacta atgaagtcaa cattgcctga atgtctgaat aatgaaacac atccctgttt 2520
aaaagtatgt aactgaaaaa gaaataaaaa aaaataaaag tagtttttt aaaaaaaaaa 2580
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2630

<210> 790
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<400> 790
aattcggcac gaggaactag acaagttact ctcttcattt aaaagtctgt tagaagaaaa 60
ggagcaagca gagatacaga tcaaagaaga atctaaaact gcagtggaga tgcttcagaa 120
tcagttaaag gagctaaatg aggcagtagc agccttktgt ggtgaccaag aaattatgaa 180
ggccacagra cakagtctag acccaccaat agaggaaaga gcatcatctg agaaatagca 240
ttgaaaagct gagagcccgc ctagaaactg atgagtagaa ccactctgtg tcttacaaca 300
actgaanga 309

<210> 791
<211> 640
<212> DNA
<213> Homo sapiens

<400> 791
tcgacccacg cgtccgggcc tgagagtgca ggcttgaggg aagcatggag gtccatggca 60
agcccaaggc tagcccgagt tgttcgtcgc ccacccggga ttcctcagga gtcccagtgt 120
ccaaggagct gctgacggcg ggaagcgacg gccgcggagg tatatgggac aggttgctca 180
tcaactccca acctaagtcc agaaagacct ccactcttca aacagttcgg atagagagga 240
gtcccttatt ggaccaggta cagacatttc tcccacagat ggcacgggca aatgaaaagc 300
taagaaaaga aatggcagct gcaccacctg gtcgtttcaa tattgaaaac attgatgggc 360
ctcatagtaa agttatacaa atggatgtgg ctttgtttga gatgaatcag tcggattcaa 420
aagaagtgga cagttcagaa gagagttcac aagacagttc agagaacagt tcagaatcag 480
aagacgaaga tgacagcatc ccatctgaag tcaccataga taacattaag cttcccaatt 540
ctgaaggtgg aaaaggcaag attgaagttt tggacagtcc agcaagtaaa aaaaagaaat 600
agtcaaataa attatctgaa aagaaaaaaa aaaaaaaaaa 640

<210> 792
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<400> 792
gagtagatgg tggtccatag gctgtaactg gaaactatgc ctgtcttatt tagcatttca 60
aaacaaaaac cataaacaaa catttgtctt ctgaatattt aagaaaaaaa aataagtgtt 120
aattatattg tagggtgtta ccatttttgta tttcaagttc ctgagaagag aatttgaaca 180
gtttgctatt tggaaatttt agcaaccagc taccttgcct atggaaagat taaaaanaaa 240
actttatttt ggaaatttaa agacatncac aaaagaggaa caatataatt aacctctgtt 300
aactcatcac caacaagact catgaccact tttatacttc atgagtgnat tgtatttgta 360
tccactgttt tctattattt tcgagcaagt ctcagacaca ccatttaatc tgtaaataat 420
tcagcatgta tctctaaaag acaaagacct cttaaataac agttcattag tataaaacaa 480
attgggtaaa cttttgttgg tcatcaaact atattagcac tggtccaata gtttaatttt 540
cattgagnct ttcaagagga ccgaccagtc tnttgctcaa gacatgctct 590

<210> 793
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<400> 793
ggccggacga cggcgcctta aggaagcggt gcggaagcag nggacaagaa gccgcgggat 60
ctcttcggtc ccccaggacc tccasgwgca gaagtgaccg cggagactct gcttcacgag 120
tttcaggagc tgctgaaaga ggccacggag cgccggttct cagggcttct ggacccgctg 180
ctgccccagg gggcgggcct gcggctggtg ggcgaggcct ttcactgccg gctgcagggt 240
ccccgccggg tggacaagcg gacgctggtg gagctgcatg gtttccaggc tcctgctgcc 300
caaggtgcct tcctgcgagg ctccggtctg agcctggcct cgggtcggtt cacggccccc 360
gtgtccggca tcttccartt ytytgccart ctgcamgtgg gagccggatg gggcagtgcc 420
gtgtgctgtg acggggctgg ngctganctt tctgggggc 459

BNSDOCID: <WO___0122920A2_I_>

<210> 794
<211> 1664
<212> DNA
<213> Homo sapiens

<400> 794
tgcagcarag caggtaacag ctcttgcacc tgtttctctt gcacctgacg tgcagctgct 60
cctacccacc tctcctggct gagccttgcc tgatacagca gcccggaggc accacttgct 120
tcccgagtct caccctccca ggcagctcct acactcaact gcttctctag gaaaggtctc 180
acctccagcc tggagcagtc gggattacag aaagccccat ccttggctta gggagcgcca 240
tgacgactga aattggttgg tggaagctga ctttcctccg gaaaaagaaa tccactccca 300
aagtgctgta tgagatccct gacacctatg cccaaacaga gggagatgca gaaccccga 360
ggcctgacgc tggaggcccc aacagcgact ttaacacccg cctggagaag attgtggaca 420
agagcacaaa gggcaagcac gtcaaggtct ccaactcagg acgcttcaag gagaagaaga 480
aagtgagagc cacgctggca gagaacccta acctctttga tgatcacgag gaaggacggt 540
catcaaagtg aagggctgag gagggtgcta gcacctcttg gctccctgcc atcagccaga 600
tctgagacag gaccttgcca cgctggcctc tttggccata gctgaagctg tggggccagt 660
tgatacctgc tggcaggaaa tggctgtttt ttaggtttgt atttatgtgc cgccactttt 720
gtaaggcctg ggagatccca gggtcctcca ccctcccct gaccacatac aaaggcactc 780
tagttcaagr gtgaaaagtc tcacccagga ggaacagccc tccttgaagc aatggcaggg 840
cagcagggag gtgggcatgg cagggaatgg agagagtgag ccagacagac ttcacctcct 900
tactggacac agggtcaagg gcgagtttca attgctgctc cctttacttt ctctacctgt 960
gactactccc tggaccaatc ctgaggaggg cacattttcc agaagccacg tgatagggc 1020
tggtttctgt ggagccagag gcagagacac tgaacttgag ctcacctcct aacaccggca 1080
gtaaacttcc tggaactttg ccctcaggtg cggaggggac agaggaccct ggcactctgt 1140
tagggtgctg tagaagacta gattgatggt agtttggcct gttagttcct gttttggcca 1200
tgacttttgc agatggcaag tcacacaccc tcaaagggaa gctacacggg ccaaatcggg 1260
ggagtgggtg gggaattttc tcctctccct ttcctactat aatagtattt aagacatatc 1320
agctccagag atgagtcctg gagccttgaa ttttgtttaa caaaataatt gtaggtttct 1380
ctctgtaata acaacgctgg aaaggcmgag aacctctttt atgctcatgt cttgcattta 1440
ttgagatgac tgtttctcat gcctttatgt tccttcatgt aagtaaagtg gacctttgtg 1500
ctcaaactgt tcctttcaag cttcaggaag gggttcccaa ggtgtgacaa tgtaggaacc 1560
tgggtcacta atttttacca tcaaacctag ccttagtatg gggatggggc aagcagaagg 1620
agctagttac acctcagtgg tcagttctct ccagtcaaca gaga 1664

<210> 795
<211> 1929
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

<400> 795
gaaaaaaaaa gatgtcagct cctccgctgt agtattgctc cttaaaaacc cctctctctg 60
aaaatgacat gccctcgcaa tgtaactccg aactcgtacg cggacccttg gctgcgcccg 120
gcggaggaga gcgctatagc cggagcgcag gcatgtatat gcagtctggg agtgacttca 180
attgcggggt gatraggggc tgcgggctcg cgccctcgct ctccaagagg gacgagggca 240
gcagccccag cctcgccctc aacacctatc cgtcctacct ctcgcagctg gactcctggg 300
gcgaccccaa agccgcctat cgcctggaac aacctgttgg caggccgctg tcctcctgct 360
cctacccacc tagtgtcaag gaggagaatg tctgctgcat gtacagcgca gagaagcggg 420
cgaaaagtgg ccccgaggca gctctctact cccacccctt gccggagtcc tgccttgggg 480
agcacgaggt acccgtgccc agctactacc gcgccagccg agctactccg cgctggacaa 540
gacgscccac tgttctgggg ccaacgactt cgaagcccct ttcgagcagc gggccagtct 600
naacccgcgc gccgaacatc tggaatcgcc tcagctgggg ggcaaagtga gtttncctga 660
gacccccaag tccgacagcc agacccccag ccccaatgaa atcaagacgg agcagagcct 720
ggcgggccct aaagggagcc cctcggagag cgaaaaggag agggccaaag ctgccgactc 780
cagcccagac acctcggata acgaagcgaa agaggagata aaggcagaaa acaccacagg 840
aaattggctg acagcaaaga gcggaaggaa gaagaggtgc ccctatacta racaccagac 900
gctggaattg gagaragaat ttctgttcaa tatgtatktg acgcgagagc mcgcctggag 960
attagcaaga ccattaacct tacagacaga caagtcraaa tctggtttca aaatcgcaga 1020
atgaaactca agaaaatgaa ccgagagaat cggatccggg aactgacctc caatttaat 1080
ttcacctgag agcgcggcct ctcctcctcc cttcccgctc cttcctctcc ccgcccctcc 1140
tccctttgtg cctggtgata tatttttttt tcctccctga gtataaatgc aatgcgactg 1200
aaaaaaggca aagacctcag actctccttc caagggacct gtggttcgtg ctgcgaagat 1260
gcttccactt aaagcatgag aaatggggtg ccgggatgtg gggtgtggtg tgtgccctca 1320
taratggggg tgggagtgtg gctggtgtgt gtgtcaaacc ctcactcacc cacgcactca 1380
cacacagcat tctgttctcc atgcaaagtt aagatcgaat ccatccgctt gtaggggaaa 1440
aaaaggaaaa aaattaacca gagagggtct gtaatctcgc agagcacagg cagaatcgtt 1500
ccttccttgc tgcatttcct ccttagacta atagacgttt tggaaagttc ggctagtgtt 1560
cgtgtgtttg tcgtagcacc cagagcctcc accaaaccct ctccatgtct ttacctccca 1620
gtcgctctaa gaatctgctt gaagtctcgt atttgtactg ctttctgctt ttctcccacc 1680
cctcctagca cccccacatc ccccatctag taacatctca gaaatttcat ccagaggaac 1740
aaaaaaatta aaaatagaac atagcaaagc aaagacagaa tgcccccccc caaatattgt 1800
cctgtccctg tctgggagtt gtgttattta aagatattct gtatgttgta tcttttgcat 1860
gtagcttcct taatggagaa aaaaaaacct aataaatttc cagaatcata atcctcaaaa 1920
aaaaaaaaa 1929

<210> 796
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 796
tcactcaccg cggtncataa gccctactag tgataatttg ccaacgctgg cagagtatac 60
accanatgtg ctaggtgtct ggttgccacc cgcgttctaa gcggcttacg cgtgcgtgct 120
acaggcctga tttaatgcgg ctagtacgat tttaggtgag tagtaatccc gataaatcac 180
gttgccttgg cgtgcgccac atccaggata ttggtttatg gctgcaaaac cgtaaccttg 240
gtggcctgca gttagtgctt gggcgcctgc tgcttttgcg cctgctgctt attatactgc 300
tgttgctgct gctgctactt ttactgaacc ggcaamttaa ccaacamgtc caccamgtcc 360
atcaccagag cccagggccg tgtgggcang aagtgttana aactaattaa tggacttacg 420
gggagggcta aataaccana gaaacctgga tggtgggaaa aaa 463

<210> 797
<211> 1069
<212> DNA
<213> Homo sapiens

<400> 797
gggcgggcaa aggagcgcaa agtgaacaag aagaaacagc agcagcaaca gcccccacag 60
ccgccgatgg cccacgacat cacggccacc ccagccgggc catccctggg gggcctgtgt 120
cccagcaaca ccagcctcct ggccacctcc tctccaatgc ctgtgaaaga ggagtttctg 180
ccatagcccc atgcccagcc tgtgcgccgg gggacctggg gactcgggtg ctgggagtgt 240
ggctcctgtg ggcccaggag gtctggtccg agtctcagcc ctgaccttct gggacatggt 300
ggacagtcac ctatccaccc tctgcatccc cttggcccat ctgtgcagta agcctgttgg 360
ataaagacct tccagctcct gtgttctaga cctctggggg ataagggagt ccagggtgga 420
tgatctcaat ctcccgtggg catctcaagc cccaaatggt tgggggaggg gcctagacaa 480
ggctccaggc cccacctcct cctccatacg ttcagrggtg cagctggagg ctgctgtggg 540
gaccacactg atcctggaga aaagggatgg agctgaaaaa gatggaatgc ttgcagagca 600
tgacctgagg agggaggaac gtggtcaact cacacctgcc tcttcctgca gcctcacctc 660
tacctgcccc catcataagg gcactgagcc cttcccaggc tggatactaa gcacaaagcc 720
catagcactg ggctctgatg gctgctccac tgggttacag aatcacagcc ctcatgatca 780
ttctcagtga gggctctgga ttgagaggga ggccctggga ggagagaagg gggcagagtc 840
ttccctacca ggtttctaca cccccgccag gctgcccatc agggcccagg gagcccccag 900
aggactttat tcggaccaag cagagctcac agctggacag gtgttgtata tagagtggaa 960
tctcttggat gcagcttcaa gaataaattt ttcttctctt ttcaaaaatg tataaaaatc 1020
attatacata gcattaaaga aacatttttg agaagtamaa aaaaaaaaa 1069

<210> 798
<211> 869

<212> DNA
<213> Homo sapiens

<400> 798
ggtttcacca tgttgcccag gctggtcttg acctcccgac ctcaagtgat ctgcctgccc 60
cgacctccca aagtgctggg attacaggct gagccaccg tgccaggcct gttttgtttg 120
tttttgtaga gagatggggt ttcgccatgt tgcccaggct aatctcaaat tcctgagcta 180
aagcgatctg cccacctcgg cctccgaaag tgctaggatt acagatgtga accactgtgc 240
ctggcctgtt tgtttgtttg tttaaaacat ttctccatca ctcattccag gtcccagagc 300
aaactctctc tgctctcgga gcctgtgaca ctggctatgt gctccacagt ttcagtccca 360
ggtcatactc tccaacagtt ttcagagctc catatatatg tagatgccat cctttctaaa 420
aacttctcac gacctccygg aatattccta ttgatctcat tttatttagc atcagctcaa 480
gaaactaagt cttagtgcac agtatcacaa caaagaaaaa gctttgtttt tataactggt 540
aaaaacaaga aaagattctc atcaaaatga aaatataaaa ttaatcattt ctcaccaaag 600
agtatgcctg ggagcctcca gctgttaaaa gacaatgcta ttactacttc ttatcaaaaa 660
tctgtaatgc cctgtgattt ttatgatact tcttcaatac aaagtgttaa tatgtgtcat 720
cagtataata acaaccaaca aaatgccact ttcagaaaac tgtatgtaaa ttttttgtaa 780
caatgtaaaa aagaaatggg gagtaagtgt tcacatcatt aaaaggcttt gaattcatgg 840
aaatamaaaa aaaaaaaaaa aaaaaaaaa 869

<210> 799
<211> 1158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1153)
<223> n equals a,t,g, or c

<400> 799
gggagaaggt gccttccctt gttttctggc cttgttatat acagatggca gcttggatct 60
caggtacagc tccaggggca ggcagtgccc agctggacct ggtggccctt tcctagtgcc 120
tctgctgggg gaggagaacc tctgtccacg tggaggctag gaggtactac caggccctgg 180
cagcaccaga gtgtggccgg gcccgagtgt ctcccctcgg cctcagggtg gggcacttag 240
cacccagaag ggaccaaaag cagggcatgg cggtgcagag gagtttggga ggtgtaaaca 300
gccccatgca cgtggaggag gagactgttt cagccncaga ccccacgcta gcactttcca 360
cgstgcttgc ccgctgttga tgtgcagttc ccagtgcctg tgtgagccga catctgctca 420
gtcctatccc tcgtcagcgt gtggagaccc agctcctgca gccctcctgc tcccacgccc 480
ccagacagct tggtggaggg tcctgcatct gggccaggct ggggtgcacc cagcmaaaga 540
caaagctgcc tccacgtgcc caaggattca gatggtgcac tggccccggg aggagtctga 600
ccaaaaatgg agcccgctct gtggggaagc cccgactccc ccacgagaaa cggtcccacg 660
gtgcggatct ccccccttccc ttgtggggca cagctggcct gggcctccaa tcctgcggag 720
ctttcctggg tgtggctttg acctcagaag tggctctggt ttggcctcag gagtgtggcc 780
tggcccagcc tgctgcagcc tcctgggggg cccttgatgc cactaatccc ccgacccccc 840
gcatctgcca aactgcacag acacacgcat tgtaaggccg cttgtggcct ccagcgtgca 900

ctcttgttta cgtcattgtc atcttcaaga ccagtccttt gtgattagtt ttgcttcgcg 960
agccctggtg tggactgtgg tctgtatgaa tcgtgtgtaa ctgtggtgag gggcttgtcc 1020
tgtatgtgag tctgtaccca ggtggggtct gtgccctgca caccgggccc ctctgtattt 1080
atcgctgcct gaatgcaaca gtaatttata tccaggacaa atacagtctg ggcgtcacta 1140
tcctaaaaaa aanaaaaa 1158

<210> 800
<211> 1412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<400> 800
ttttagggnt attangtagc ccattgggtt acccgggatt gaaatgtttg atatggcmag 60
atrggtatgg taatttcaaa gtgaattggg aattcctctg gctcatagaa ccctttttt 120
tttcctttaa gtattcttga gatacaaaaa aaaaaagtaa atamaatttc aaaaaaaaag 180
ttccggatct gtttttaagc tccatctggt cctcataacc tgcaagattt ttcttaaaac 240
ctttcagctg aaagtggggg taaaggtgga gtaatctgtg gatttgtttc tgttgtcttt 300
taaaatgtca aatatataat atgtaatttt tttaaaaacc accagataca gaaatgtgct 360
ttaacatcag ttgaaaccta aattttctta tgttgtggtg attgtattaa aaagggataa 420
aagaagagtg tcaaacatgg ttaaatatat tgtactcatt tatgttgaat acgtattaaa 480
attaagacaa atggaaaatt atactttgag tatataattt gttaaatatt actttatatk 540
gtaattttat gtataatttc atatattggt aaaattcaaa actacacttg agaatttttt 600
tatcttaagt ttggggtgaa tggggtggat gagactgatt gaatagaaaa gggctaatgg 660
cccaaacatt atatagattt ctttttttca gtcagaggcc ttatttgata ttttataaat 720
aaatgacagt ttttatttt aaacttttta ttgtttttgg gaaagtattc cttaatttaa 780
tgacacattc attcagatac ttcttatccc tgctaataaa ggaaatctat ttcaagctac 840
accattgaga ttaagtctga ggcagttcat tgaggcagct ctactataaa agcttacttg 900
ataaataatt atttttgtaa acaagttggg ttaacttatt cttcgtcttt ttgcttggat 960
atgaatttaa ggtcttcatg tttaaagaca ttttactttgt tatttagtga cacatttcca 1020
tcctatttt ttttttttt tggttgttgt taaacagaac cttaagttta tgtttgaggt 1080
atgtactgca taggaaccta ttttattatt aaagatgaat gattaaaatt ggtatggtct 1140
ccaatttaat ttgaaaagtg cttaccctta ttcttatata tggtttaatt ttaaggtttt 1200
ttgtctcttc ttagtgcaaa actacttagc agtgacctct atctgtattc cttaggaatt 1260
agcagcttct tagtgtggat cctgcagaac ttcttaccat ttgtagtagg ttgaatcatg 1320
tcccctagaa ggtaagtcta agtcctaact tgatacacct gggaaggtga ccatatttgg 1380
aaatagtctt tacagatgtg attaggggat ct 1412

<210> 801
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<400> 801
gtttattttg gaattacaga tgcaaagtat antggaaaag aaaatgaaam ccargagaaa 60
tattgccarg cattmcarga atamcccatc actaataact ttcctttgca aaaactgcag 120
tgtgctagcc tgttctgggg aagatatcca tgtaattgag aaaatgcatc acgtcaatat 180
gaccccagaa ttcaaggaac tttacattgt aagagaaaac aaarcactgc aaaagaagtg 240
tgccgactat caaataaatg gtgaaatcat ctgcaaatgt ggccaggctt ggggaacaat 300
gatggtgcac aaaggcttag atttgccttg tctcaaaata aggaattttg tagtggtttt 360
caaaaataat tcaacaaaga aacaatacaa aaagtgggta gaattaccta tcacatttcc 420
caatcttgac tattcagaat gctgtttatt tagtgatgag gattagcact tgattgaaga 480
ttcttttaaa atactatcag ttaaacattt aatatgatta tgattaatgt attcattatg 540
ctacagaact gacataagaa tcaataaaat gattgtttta ctctgmaaaa aaaaaaaaan 600
ntattngcc 609

<210> 802
<211> 960
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (951)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (956)
<223> n equals a,t,g, or c

<400> 802
aagnatagaa attaaccctc acgtaaaggg nacaaaagct ggagctccac cgcggtgcgg 60
ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgagct cttccacccc 120
tgccaggccc agcagccacc acagcgcctg cttcctcggc cctgaaatca tgcccctagg 180
tctcctgtgg ctgggcctag ccctgttggg ggctctgcat gcccaggccc aggactccac 240
ctcagacctg atcccagccc cacctctgag caaggtccct ctgcagcaga acttccagga 300
caaccaattc caggggaagt ggtatgtggt aggcctggca gggaatgcaa ttctcagaga 360
agacaaagac ccgcaaaaga tgtatgccac catctatgag ctgaaagaag acaagagcta 420
caatgtcacc tccgtcctgt ttaggaaaaa gaagtgtgac tactggatca ggacttttgt 480
tccaggttgc cagcccggcg agttcacgct gggcaacatt aagagttacc ctggattaac 540
gagttacctc gtccgagtgg tgagcaccaa ctacaaccag catgctatgg tgttcttcaa 600
gaaagtttct caaaacaggg agtacttcaa gatcaccctc tacgggagaa ccaaggagct 660
gacttcggaa ctaaaggaga acttcatccg cttctccaaa tctctgggcc tccctgaaaa 720
ccacatcgtc ttccctgtcc caatcgacca gtgtatcgac ggctgagtgc acaggtgccg 780
ccagctgccg caccagcccg aacaccattg agggagctgg gagaccctcc ccacagtgcc 840
acccatgcag ctgctcccca ggccaccccg ctgatggagc cccaccttgt ctgctaaata 900
aacatgtgcc ctcaggaaaa aaaaaaaaaa aaaaaaaaaa aaggggggng ncccgntccc 960

<210> 803
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<400> 803
cgagattgtt gttggctgaa catcttttaa ttctgagtta ccaacacgtt gtgcgtgcat 60
tgatgacccg gcttcctggc ctgcccttgg tgcctgagcc ccagtaatga ttgccctcta 120
tgttgggaga agaagggaga aagtagtaca agtagtgaag aaaaaaatgt aggtggtgtt 180
ggtggttgag agtacatggc acagaaaata aaggagccag gattacctgt gcctttggct 240
tctccttccc ctgctgcttt ttcttccttt ttccatgtca gtgcttggga accctcacaa 300
ctggcaggta acggggtcgg gataaaatgt aaacctgtgg gtgtcttctg ctgagtcatt 360
aggatctttg tagcaggctg cggataaata tgtggatgac atggggcaac taagagcccc 420
ttttgcttgc cacctcccac ccctgctctg gatggtgtct cctcttgcta gactgccggg 480
tacagatcac gtggcaatta aggcaaatgt taataaatac catgaaacag tggtttgcat 540
agtcttctga atagccatgg ctttggttar tcagcaacaa agcctttcac ccttaccctg 600
gataatcaag agttgacaac agccagaaag tactgggaat agtggctttt ggccatgaca 660
tttctcattc ttcattcatg taatgggtca antcagaagt aattctgg 708

<210> 804

<211> 588
<212> DNA
<213> Homo sapiens

<400> 804
gaattcggca cgagggtaaa ggaacagttg atgataagga actgggtaaa gacataacct 60
tgtatagcca cacttattct catgcacatg taatttttwaa ctgtratgga tagagtttgg 120
cgttccaggg agcatcgata gcactgcatc atgaccttgc tcttgtgttg cttagagatc 180
tgccgacagc cggctcagtt ccatcttcag tcattgtgtt gcacagtgat acgatcattg 240
ctggtctaaa cattgccata aacatgtctg ttccccaagc tgaaaggggg tttctgattc 300
taagggaaca aaaggttttc tggcttaaaa gacttaagac atagtcttat aatagcttct 360
ttaaaaattt cagtgggtta taatgcatag ggtttttaaa aaagagcyaa tgtgcaatat 420
atacaatagt ctatcctact gacccaactt ctcccttcca gttctcccta aggacaattg 480
ttaatcagtt tcctgtawac ccttccagaa atatatgcag awgtggcawa tgtccaatta 540
aagaaacctg atacatactg ttaaaaaaaa aaaaaaaaaa aaactcga 588

<210> 805
<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (644)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (679)
<223> n equals a,t,g, or c

<400> 805
ttactgaaag tttatatagt mtagtctatg tagataaaaa gtaccacttg tcttttctgt 60
gaattatgac tattcatttg ttaaaaatac ctaagagcaa ttatagtggg acatctaagg 120
tcctctgtaa acagtgaatt agcaaacctc agcctatgtg tttctaccct gatttttttc 180
ttttcatggg tatctgaagc ctctaagttt tttcaaaaat ggagtatcac aaaattgagt 240
gaaacacaat acttaatgta ttgtactaga ttgccaaatt cataaaatgt taatggaagc 300
tttttgatgt gattataatg gcactattct ggtcattatc ctattttgat tttatttaat 360
tttttaaagt tgaagaatta aatattttaa tggttctaat cttttgcatt ccatgttgca 420
ttaaacctgt ttatatgagt agtcttctgt tagaatcaca tctgtgcttt tcttgagtct 480
gctgttgaac tattagatta agtcataatt cataaaattt tagtttaatg tgctctttgt 540
aaaatgaaat tgtaaagaaa ataccagtgt ttctcatccc attgactcac accacggtca 600
tctgggattt ngggattccc tccakgcagc cagctawagt gggngtttcc caaaacaaca 660
gggaatccct tcacccatng gggg 684

<210> 806

<211> 1204
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1033)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1050)
<223> n equals a,t,g, or c

<400> 806
tggngctcca ccgcggtgac gaccgctcta gaactagtgg atcccccggg ctgcaggaat 60
tcggcagagg cagwgccggc gtgggcggcc ggccgaggcg gaggcgcagg aaggggggckg 120
cgagtcgtgc gaggctgccc ttctcactca gcattatgga tccaagcctg ttgagagaaa 180
gggagctgtt caaaaaacga gctctttcta ctcctgtagt agaaaaacgt tcagcatctt 240
ctgagtcatc atcatcatcg tcaaagaaga agaaaacaaa ggtagaacat ggaggatcgt 300
caggctctaa acaaaattct gatcatagca atggatcatt taacttgaaa gctttgtcag 360
gaagctctgg atataagttt ggtgttcttg ctaagattgt gaattacatg aagacacggc 420
atcagcgagg agatacgcat cctctaacct tagatgaaat tttggatgaa acacaacatt 480
tagatattgg actcaagcag aaacaatggc taatgactga ggctttagtc aacaatccca 540
aaattgaagt aatagatggg aagtatgctt tcaagcccaa gtacaacgtg agagataaga 600
aggccctact taggctctta gatcagcatg accagcgagg attaggagga attcttttag 660
aagacataga agaagcactg cccaattccc agaaagctgt caaggctttg ggggaccaga 720
tactatttgt aaatcgtccc gataagaaga aaatactttt cttcaatgat aagagctgtc 780
agttttctgt ggatgaagaa tttcagaaac tgtggaggag tgtcactgta gattccatgg 840
acgaggagaa aattgaagaa tatctgaagc gacagggtat ttcttccatg caggaatctg 900
gaccaaagaa agtggcccct attcagagaa ggaaaaagcc tgcttcacag aaaaagcgac 960
gctttaagac tcataacgaa cacttggctg gagtgctgaa ggattactct gacattactt 1020
ccagcaatag ggnacagttt tgcctgggan cagagttaca gatacacawt caagagtgkt 1080
cttgctgatg ctsggggtct gaagactgtg ctcccaaccg cttcttgcgg ctgaggagag 1140
gagcctttcg gtgtccgaag cagttggaag ttccagatca aggcttttg gggagatggg 1200
ccat 1204

<210> 807
<211> 1327
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 807
ttgtgatttt nctcaggctg ttttgtcatt ttaaaatcca gtggtagatg tagcttagcg 60
acggtagttt tttgttttgg ctatactaag acttggaaat tattctctcc agtgtcagcg 120
aatccagaag ggtatcagat taaacaccga attcagccac tggactttta aaagtactta 180
agatggttta tctcgggttt tttcttcagt taacaaaatc ataaatatgg tgccttataa 240
catgaaagga aaattagttg tgtatttcac gacgaaagcg acggaccaaa agaaatttcc 300
tgccccaaga agcatgggat ccaggaaggg gcgcgtagat gcttaacggt ctcttcggaa 360
atcctgcaaa tagaaagata attctagatc cggaatacct gtatctggtg gaaaccatgg 420
atttctacaa gctcgaatta ttcctcattg tatagcctgc tttgtaaact agtttacaat 480
ttgcaggctg atcttaagat ttttttatat ctaattgctg ctgccttcat tttaggttca 540
gcagttactt ttaactacct taatttattg ccagaaggta tgagcctaac attctgatga 600
gtccagaaaa ctacgttttg tcagtagcaa tacactagga agtaaaatat atttagaatt 660
taaacattgt gtgccagtgg tcctcgcgct tgactgcaca tcagttactt gaagagccac 720
acctcagatc aatgcagtca gaacctggga agtaggtccc agacatcagg acctttttaa 780
agctccccaa gtgattctac gttccccaag tttgaggacc acttttctgt gcattggctt 840
gcacaatttg aaaataatgc ttttcctgag ctggatccca gtgttgcctt aacagggtgt 900
ctgtcgtgcc gcagtagagc actgctgctt cctccaaccc caaaatttat gttcctaagt 960
aagtcaggtc cctaagcccc gtcccaagaa gtgacacaag tggccaacat ccacactgta 1020
ggcttgcagg ctacccgccc tgagatttgg taaagaacac tgccttgttc cccatcagta 1080
aacaaggtta cctacctcag gaggctgctt gtgagagagc aaatgcagta tcttcagaat 1140
gatttatttt tttaattaat tgtaaagact tgtgccattg gctgctcttt ctagtcccct 1200
aaatttctgt tctagtttta aatttctcta gaacttgcaa tagttggggg ttttataatg 1260
atgttttaca atgtttattt cttaaataaa aacttaaaaa ttcaaaaaaa aaaaaaaaaa 1320
aaaaaaa 1327

<210> 808
<211> 685
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (679)
<223> n equals a,t,g, or c

<400> 808
gggcatcttg tgatgctatc ttgctaggtt ttccagtagt gtgtcagata aatgttgaat 60
tgccagtaac tggtgtctgg ttgattgctt gccactgcag gtgattctga attgctgtga 120
gggcagaaca cccaaggaga caatagaaaa tttgttgcac agaatgactg aagagaagac 180
gctgactgct gagggtttgg taaaactcct ccaggctgtg aagacgactt tcccaaacct 240
gggccttctg ctagagaagt tgcagaaatc agccactttg ccaagcacca caggtcatgg 300
agaagcttgt gaaacgtgac tctggttcag gtggtttcaa ttctctgata tcagcagttc 360
tagaaaagca gactctctct gccacagcca tttggcaact gctgctggtg gttcaggaga 420
caaagacctg tccattggac ctgctcatgg aggaaatacg aaggagcctg gtgccgatgc 480
tttcttycgg gcagtgacca ccccagaaca tgccacttta gaaacaatcc tgaggcataa 540
ccagttgatc ttggaggcca tccaacagaa gattgagtgc aagctcttta cctcgganga 600
ngagcacctg canaaactgt gaaagagatt ctgagcattc ctctgagaca nncagccctg 660
aaactttcct gaaaagcant gctga 685

<210> 809
<211> 857
<212> DNA
<213> Homo sapiens

<400> 809
attccagcta ctcgggaggc tgaggcggga gaatcgcttg aacctgggag gtggaggttg 60
cagtgagccg agatcgcgcc attgcactcc agcctggaca gcaagagcaa aactccgtct 120
caaaaaacaa aaacaaaaac aaacaaaaaa attcccctga gagaaaacct gtctttccag 180
ccagaggagc aggaaaaaat gaccctatgg tctgaagaat gtggaaataa tccatctttt 240
tttctctctc tgctttctgc ctgaggggcg ttccttttgg caaaatgagc aggcagtgta 300
ggcaggtaat catcagagag aaagcccatc tttctaagcc agaggatgag gaaaaggggc 360
cccctgggtg ccagggagtc tgggggggaaa tcctgaagag caaagacctg aaaagaggat 420
tctctaattc tgtacatgag ctgaattccg tgctcagccc agagctgcac atacaagaga 480
cagagcccag gcaacacagc cacactctga actgacactc ggaccaccac caccaaacag 540
aaggcaacgc aggacctgca gactaaggct aacgaggctg attgcctgac aaaacagaaa 600
aaaaagaaac attcttcagg gaattttagc agaacacaga gtctcccaac ataaaacaga 660
cagtcctcac tgcacagcag ttcagaactg taaaaatgac cttccaacct gaaactgcca 720
tgtgctgttc ataatcatta atgggtaaaa ttgtgatttt tttcctgtct tttgaaaatt 780
gtcaaaacat tgataatctt gtactgttag aaatgtataa ggaaacaata aagtaaatat 840
ttttgtaaaa tgtaatt 857

<210> 810
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<400> 810
gatttagagg aaataattct gtactacttt ttgagtgtgt tttttaatgc ttttacttct 60
ggtgtgggca tgctggattt tatatttcta aaaaccaata aaatttggaa ggcattgcct 120
ctaaatgtta cctaaaaaat agaaaacaca accataaata tgcctagtaa ttagcacata 180
ttttatttca tagaaactga ttcctggctg gacctggtgg ctcacacctg gtagtcccaa 240
cactttggga ggttgaagca nggggattgc ttgaaccttt gagtncagga g 291

<210> 811
<211> 965
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (965)
<223> n equals a,t,g, or c

<400> 811
tcactggaaa atgacaagat gagacttgag aaagatttat cattcaaaga cactcaatta 60
aaagagtacg aagaactctt ggcatcagtg agagcaaata atcaccagca gcagcaagga 120
cttcaagact caagttcaaa atgccaggca ttggaagaaa acaatctntc tcttcgacat 180
acactatcag acatggaata cagactaaaa gaactggaat attgnaaacg taatttagag 240
caagagaatc aaaaccttag aatgcaggtt tctgagactt gcacaggccc aatgttgcag 300
gctaaaatgg atgarattgg caaccactac acggagatgg taaaaaactt gagaatggag 360
aaagatagag agatctgcag actgaggtcc caattaaacc agtaccataa agatgtttca 420
aagagagaag gaagttgtag tgacttccaa tttaagcttc atgaactgac aagcttgctg 480
gaagagaagg attccctcat aaagcgtcag tcagaggaac tctccaagtt gcggcaagaa 540
atatattcct ctcataacca accctccact ggtggaagga ctactattac cactaaaaag 600
tacaggacac aatatccaat cctaggcctc ctatatgatg actacgaata tataccacca 660
ggtagtgaaa cacagactat tgtgattgag aaaacagaag acaaatacac ttgtccatga 720
atggrtccac tttaaagtat tacaactcaa agccgttttt tttgtgtgtg tgtgtctctg 780

cattagtact ttgttatttt tccatcacta aaggccaatc agaatttgga accatgctgc 840
tacccaagaa atctaatgga atgaattagt tctgtagatg acaatttctt cacccattta 900
tgagacctaa atcttttcca taacactcat gtattcagta twacacatac taactggaag 960
agggn 965

<210> 812
<211> 1561
<212> DNA
<213> Homo sapiens

<400> 812
gcccacgcgt cgcccacgcg tcckgggagc tgaattccgg aagatcccca catcgatgaa 60
agcaaagcga agccaccaag ccatcatcat gtccacgtcg ctacgagtca gcccatccat 120
ccatggctac cacttcgaca cagcctctcg taagaaagcc gtgggcaaca tctttgaaaa 180
cacagaccaa gaatcactag aaaggctctt cagaaactct ggagacaaga aagcagagga 240
gagagccaag atcatttttg ccatagatca agatgtggag gagaaaacgc gtgccctgat 300
ggccttgaag aagaggacaa aagacaagct tttccagttt ctgaaactgc ggaaatattc 360
catcaaagtt cactgaagag aagaggatgg ataaggacgt tatccaagaa tggacattca 420
aagaccaagt gagtttgtga gattctaaca gatgcagcat tttgctgcta ccttacaagc 480
ttctcttctg tcaggactcc agaggctgga aagggaccgg gactggaaag ggaccaggac 540
tgaacagact ggttacaaag actccaaaca atttcatgcc ctgtgctgtt acagaggaga 600
acaaaatgct ttcagcaagg atttgaaaac tcttccgtcc ctgcaggaaa ggattgatgc 660
tgatagaaga gcctggacag atgtaatgag aactaaagaa aacagatggc tggagatgac 720
atttatccag ggtcactttg tcaggcccta ggacttaaat cgaagttgaa ctttttttt 780
tttttaacca aatagatagg ggaagggagg agggagaggg aggacaggga gagaaaatac 840
catgcataaa ttgtttactg aatttttata tctgagtgtt caaaatattt ccaagcctga 900
gtattgtcta ttggtataga tttttagaaa tcaataattg attatttatt tgcacttatt 960
acaatgcctg aaaaagtgca ccacatggat gttaagtaga aattcaagaa agtaagatgt 1020
cttcagcaac tcagtaaaac cttacgccac cttttggttt gtaaaaggtt ttttatacat 1080
ttcaaacagg ttgcacaaaa gttaaaataa tggggtcttt tataaatcca aagtactgtg 1140
aaaacatttt acatattttt taaatcttct gactaatgct aaaacgtaat ctaattaaat 1200
ttcatacagt tactgcagta agcattagga agtgaatatg atatacaaaa tagtttataa 1260
agactctata gtttctataa tttatttttac tggcaaatgt catgcaacaa taataaatta 1320
ttgtaaactt tgtggctttt ggtctgtgat gcttggtctc aaaggaaaaa ataagatggt 1380
aaatgttgat atttacaaac ttttctaaag atgtgtctct aacaataaaa gttaatttta 1440
gagtagtttt atattaatta ccaaactttt tcaaaacaaa ttcttacgtc aaatatctgg 1500
gaagtttctc tgtcccaatc ttaaaatata aaatatagat atagaagttc aaaaaaaaaa 1560
a 1561

<210> 813
<211> 941
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (11)
<223> n equals a,t,g, or c

<400> 813
tacctntagg naaagctgct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc 60
cgagacttcg gagactgcag ttgcagttgt tccgtgtagg ctgttgttga ctctcgtatg 120
aaagcccacg cgatccaagt gccctgcagg ttttggtcca gggaaaagtt ggtctctgca 180
gatgactgta aatgactacc tggaggtcga ttaaagtgcg gtactgcggg attcagccga 240
tttccttctt cctctgactg cccggaaata tcagccaaag gccagcgttc taaggacata 300
tggaattggc tatggataat tcatatgctt tcaatcaacg aagcacatgt aatggaattc 360
catctgagaa gaaaaacaac ttccttgtat cagaagatca tggacaaaaa atcttaagtg 420
tactacagaa ttttagagaa caaaatgtct tttatgattt caaaataatt atgaaagatg 480
aaataatccc gtgtcatcgt tgtgtgttag cagcatgcag tgacttttc agggctatgt 540
ttgaagtaaa catgaaagaa agagatgatg gaagtgttac cattactaat ttgtcctcca 600
aggcagtaaa agcatttctc gattatgcct atactggaaa aacaaaaata acagatgata 660
atgtggaaat gttcttccag ttgtcatcat ttcttcaagt ttccttccta tccaaagctt 720
gcagtgactt tttaataaaa agtattaatc ttgtmaattg tttacagtta ttatctatat 780
cagatagcta tggctccacc agtttgtttg atcatgcatt acactttgta caacatcact 840
tttctttatt atttaaatcc agtgatttct tagagatgaa ttttggagta ctacagaaat 900
gtctggaatc agatgaatta aatgttcctg aagaagaaaa a 941

<210> 814
<211> 3692
<212> DNA
<213> Homo sapiens

<400> 814
gctcgtgccg aattcggcac gagagactga cgagtgcggt gtcgctccag ctcagagctc 60
ccggagccgc ccggccagcg tccggcctcc ctgatcgtct ctggccggcg ccctcgccct 120
cgcccggcgc gcaccgagca gccgcgggcg ccgagcagcc accgtcccga ccaagcgccg 180
gccctgcccg cagcggcagg atgaatgatt tcggaatcaa gaatatggac caggtagccc 240
ctgtggctaa cagttacaga gggacactca agcgccagcc agcctttgac acctttgatg 300
ggtccctgtt tgctgttttt ccttctctaa atgaagagca aacactgcaa gaagtgccaa 360
caggcttgga ttccatttct catgactccg ccaactgtga attgcctttg ttaaccccgt 420
gcagcaaggc tgtgatgagt caagccttaa aagctacctt cagtggcttc aaaaaggaac 480
agcggcgcct gggcattcca aagaacccct ggctgtggag tgagcaacag gtatgccagt 540
ggcttctctg ggccaccaat gagttcagtc tggtgaacgt gaatctgcag aggttcggca 600
tgaatggcca gatgctgtgt aaccttggca aggaacgctt tctggagctg gcacctgact 660
ttgtgggtga cattctctgg gaacatctgg agcaaatgat caaagaaaac caagaaaaga 720
cagaagatca atatgaagaa aattcacacc tcacctccgt tcctcattgg attaacagca 780
atacattagg ttttggcaca gagcaggcgc cctatggaat gcagacacag aattacccca 840
aaggcggcct cctggacagc atgtgtccgg cctccacacc cagcgtactc agctctgagc 900
aggagtttca gatgttcccc aagtctcggc tcagctccgt cagcgtcacc tactgctctg 960
tcagtcagga cttcccaggc agcaacttga atttgctcac caacaattct gggacgccca 1020
aagaccacga ctcccctgag aacggtgcgg acagcttcga gagctcagac tccctcctcc 1080
agtcctggaa cagccagtcg tccttgctgg atgtgcaacg ggttccttcc ttcgagagct 1140
tcgaagatga ctgcagccag tctctctgcc tcaataagcc aaccatgtct ttcaaggatt 1200
acatccaaga gaggagtgac ccggtggagc aaggcaaacc agttatacct gcagctgtgc 1260
tggccggctt cacaggaagt ggacctattc agctgtggca gtttctcctg gagctgctat 1320
cagacaaatc ctgccagtca ttcatcagct ggactggaga cggatgggag tttaagctcg 1380
ccgaccccga tgaggtggcc cgccggtggg gaaagaggaa aaataagccc aagatgaact 1440

acgagaagct gagccggggc ttacgctact attacgacaa gaacatcatc cacaagacgt 1500
cggggaagcg ctacgtgtac cgcttcgtgt gcgacctcca gaacttgctg gggttcacgc 1560
ccgaggaact gcacgccatc ctgggcgtcc agcccgacac ggaggactga ggtcgccggg 1620
accaccctga gccggcccca ggctcgtgga ctgagtggga agcccatcct gaccagctgc 1680
tccgaggacc caggaaaggc aggattgaaa atgtccagga aagtggccaa gaagcagtgg 1740
ccttattgca tcccaaacca cgcctcttga ccaggctgcc tcccttgtgg cagcaacggc 1800
acagctaatt ctactcacag tgcttttaag tgaaaatggt cgagaaagag gcaccrggaa 1860
gccgtcctgg cgcctggcag tccgtgggac gggatggttc tggctgtttg agattctcaa 1920
aggagcgagc atgtcgtgga cacacacaga ctatttttag attttctttt gccttttgca 1980
accaggaaca gcaaatgcaa aaactctttg agagggtagg agggtgggaa ggaaacaacc 2040
atgtcatttc agaagttagt ttgtatatat tatwataatc ttataattgt tctcagaatc 2100
ccttaacagt tgtatttaac agaaattgta tattgtaatt taaaataatt atataactgt 2160
atttgaaata agaattcaga catctgaggt tttatttcat ttttcaatag cacatatgga 2220
attttgcaaa gatttaatct gccaagggcc gactaagaga agttgtaaag tatgtattat 2280
tyacatttaa tagacttaca gggataaggc ctgtgggggg taatccctgc tttttgtgtt 2340
tttttgtttg tttgtttgtt tgtttttggg gggttttctt gccttggttg tctggcaagg 2400
actttgtaca tttgggagtt tttatgagaa acttaaatgt tattatctgg gcttatatct 2460
ggcctctgct ttctccttta attgtaaagt aaaagctata aagcagtatt tttcttgaca 2520
aatggcatat gttttccact tctttgcatg cgtttaagtc agtttataca caaaatggat 2580
tttatttttt agtttaactg tgtttctccg acagctcacc tctcyctgac casccagcca 2640
tttccttcct gtgctccacg ttcttctgtg tgattaaaat aagaatatta tttttggaaa 2700
tatgcaactc cttttcagag atcaggaggg atttatgtag cagctatttt tactgcaaaa 2760
gtaattcact ggaaaaaaaa tgtaatttgt aagaaagctt tatttttatc tcagctctat 2820
gtaaagttaa agttactgta cagagctgaa ggacgggggg cggtaggggt cttgatgaaa 2880
cctcttgaac gaagcacagt ttgtcccatc tttgttcact cgtgtgtctc aaccatctta 2940
atagcatgct gctccttttt gctcagtgtc cacagcaaga tgacgtgatt cttatttttct 3000
tggacacaga ctattctgag gcacagagcg gggacttaag atgggaaaga gaaagcatcg 3060
gagccattca ttcggagaaa acgttttgat caaaatggag acttttgtag tcgtttcaaa 3120
agagcacctg agtcatgtgt attcccggcc tttataaatg acccggtcaa gttggtttca 3180
aagtycgaca ggcttgtctg tttactagct gcgtggcctt ggacgggtgg ctgacatctg 3240
taaagaatcc tcctgtgatg aaactgagga atcgggtggc cgggcaagct gggaagagca 3300
aagccagagc tgcgctgcct caatacccac aaaagaccat tcccagtata cataagcaca 3360
ggatgttttt ctcaagaggg atgtatttat cacttggaca tctgtttata atataaacag 3420
acatgtgact gggaacatct tgctgccaaa agaatcctag gcagtggctc attgtatgtg 3480
aggttgaacc acgtgaaatt gccaatatta ggctggcttt tatctacaaa gaaggagttt 3540
catggggttc agcctaacag ttatggaaac tacagtcctt ataaaccatt ggcatggtaa 3600
taaacagatc ttaagtataa aaattttgta attgggcctt tactctctca ataataaagt 3660
attttgttta tataaaaaaa aaaaaaaaaa at 3692

<210> 815
<211> 1427
<212> DNA
<213> Homo sapiens

<400> 815
tcgacccacg cgtccgccca cggcgtccgc aaagcctgag tcctgtcctt tctctctccc 60
cggacagcat gagcttcacc actcgctcca ccttctccac caactaccgg tccctgggct 120
ctgtccaggc gcccagctac ggcgcccggc cggtcagcag cgcggccagc gtctatgcag 180
gcgctggggg ctctggttcc cggatctccg tgtcccgctc caccagcttc aggggcggca 240
tggggtccgg gggcctggcc accgggatag ccgggggtct ggcaggaatg ggaggcatcc 300
agaacgagaa ggagaccatg caaagcctga acgaccgcct ggcctcttac ctggacagag 360

tgaggagcct ggagaccgag aaccggaggc tggagagcaa aatccgggag cacttggaga 420
agaagggacc ccaggtcaga gactggagcc attacttcaa gatcatcgag gacctgaggg 480
ctcagatctt cgcaaatact gtggacaatg cccgcatcgt tctgcagatt gacaatgccc 540
gtcttgctgc tgatgacttt agagtcaagt atgagacaga gctggccatg cgccagtctg 600
tggagaacga catccatggg ctccgcaagg tcattgatga caccaatatc acacgactgc 660
agctggagac agagatcgag gctctcaagg aggagctgct cttcatgaag aagaaccacg 720
aagaggaagt aaaaggccta caagcccaga ttgccagctc tgggttgacc gtggaggtag 780
atgcccccaa atctcaggac ctcgccaaga tcatggcaga catccgggcc caatatgacg 840
agctggctcg gaagaaccga gaggagctag acaagtactg gtctcagcag attgaggaga 900
gcaccacagt ggtcaccaca cagtctgctg aggttggagc tgctgagacg acgctcacag 960
agctgagacg tacagtccag tccttggaga tcgacctgga ctccatgaga aatctgaagg 1020
ccagcttgga gaacagcctg agggaggtgg aggcccgcta cgccctacag atggagcagc 1080
tcaacgggat cctgctgcac cttgagtcag agctggcaca gacccgggca gagggacagc 1140
gccaggccca ggagtatgag gccctgctga acatcaaggt caagctggag gctgagatcg 1200
ccacctaccg ccgcctgctg gaagatggcg aggactttaa tcttggtgat gccttggaca 1260
gcagcaactc catgcaaacc atccaaaaga ccaccacccg ccggatagtg gatggcaaag 1320
tggtgtctga gaccaatgac accaaagttc tgaggcatta agccagcaga agcagggtac 1380
cctttgggga gcaggaggcc aataaaaagt tcagagttca aaaaaaa 1427

<210> 816
<211> 425
<212> DNA
<213> Homo sapiens

<400> 816
aagctggtac gcctgcaggt accggtccgg aattcccggg tcgacccacg cgtccgctga 60
tgacaagaac gatgaaaaat gcatgaaagt tgacttagta tcttttcatc ttcacctatt 120
atggttgata atgatagctc tggtacaagt gataaggatc atagtgaaat acttgatgga 180
attagtaaca taaaactgaa ttcagaggaa gtaacacaga gccaattaga ttcctgtaca 240
agtcatgatg gtcatcaaca gctaagtgaa gttagtagca aaagagagtg ccctgcttcc 300
ggccaaagtg aaccacgtaa tggaggaacc aatgaggaaa gcaactcatc ggggaataca 360
aacacagacc caccagctga ggattcacag aagtcttcag gagcraacca agcaaagaca 420
gacca 425

<210> 817
<211> 375
<212> DNA
<213> Homo sapiens

<400> 817
gtaccggtcc ggaattcccg ggtcgaccca cgcgtccggg gaggtctagg aagatcctga 60
cacataagaa ctttggctta gagagctttc caggtgtagt gccaataaaa actgacctgg 120
aaagaaaacc tgcccagcac ggaacatgct ttctgaactc acttgagagt gtatggtgta 180
tgtcacttct catatattct tgagtttaga tttgtctttt atacaatttt tagctctttt 240
ccagttcact tgtgctcgtc tgtatattgg tatttttaaa tttttgtggt aaataatgaa 300
aagagtgaaa ttatatttta taattactca tttgtagttt tttttttaat ttaataaact 360
tcctccaaaa agtgc 375

<210> 818
<211> 1216
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1215)
<223> n equals a,t,g, or c

<400> 818
ggggttaata gcctttgcga tatttaaatg tgtgggttaa ttttttatc cagtttaata 60
acttttatt cctccctcta cttctttgct ttctctttct gctctgaagc cgtggataca 120
gaaatctctg caggcaagtt gctccagagc atattgcagg acaagcctgt aacgaatagt 180
taaattcacg gcatctggat tcctaatcct tttccgaaat ggcaggtgtg agtgcctgta 240
taaaatattc tatgtttacc ttcaacttct tgttctggct atgtggtatc ttgatcctag 300
cattagcaat atgggtacga gtaagcaatg actctcaagc aatttttggt tctgaagatg 360
taggctctag ctcctacgtt gctgtggaca tattgattgc tgtaggtgcc atcatcatga 420
ttctgggctt cctgggatgc tgcggtgcta taaaagaaag tcgctgcatg cttctgttgt 480
ttttcatagg cttgcttctg atcctgctcc tgcaggtggc gacaggtatc ctaggagctg 540
ttttcaaatc taagtctgat cgcattgtga atgaaactct ctatgaaaac acaaagcttt 600
tgagcgccac aggggaaagt gaaaaacaat tccaggaagc cataattgtg tttcaagaag 660
agtttaaatg ctgcggtttg gtcaatggag ctgctgattg gggaaataat tttcaacact 720
atcctgaatt atgtgcctgt ctagataagc agagaccatg ccaaagctat aatggaaaac 780
aagtttacaa agagacctgt atttctttca taaaagactt cttggcaaaa aatttgatta 840
tagttattgg aatatcattt ggactggcag ttattgagat actgggtttg gtgttttcta 900
tggtcctgta ttgccagatc gggaacaaat gaatctgtgg atgcatcaac ctatcgtcag 960
tcaaacccct ttaaaatgtt gctttggctt tgtaaattta aatatgtaag tgctatataa 1020
gtcaggagca gctgtctttt taaaatgtct cggctagcta gaccacagat atcttctaga 1080
catattgaac acatttaaga tttgagggat ataagggaaa atgatatgaa tgtgtatttt 1140
tactcaaaat aaaagtaact gtttacgttg aaaaaaaaaa aaagggcggc cgytytarag 1200
ayccarctta ctnnnc 1216

<210> 819
<211> 1304
<212> DNA
<213> Homo sapiens

<400> 819
aaaaaaaaaa aaaaaaaatc taagatagag gtttggtcaa cagtgcttaa taataaataa 60
gaacctcctg ccattctaat tttcctgctg caccccatcc cccacacacc cctcacgaac 120
attgatataa gcagtattaa cacagtataa agaatgttca ccttgcatat gtcatttcag 180
gcacatggat tcaggagaag cacagttgag tggaagaaat ggtagacttg tgaggcttgc 240
cccaggcctt gtgtacacgc aataagtggt gagccatggg tctctccgtc agcgcctccc 300

tccccgccac cacttcaggc caacaattta aggtgctgag ttgtaaggct cctccattgt 360
cagtacaggg ctcgcctttg tagccctgat cactaccagt acacttttca agacaactga 420
gtatttttgt atgcctttgc cttccctttg tccatgaaac atgaagagtt gtttatggtt 480
cttgacttct ctgagcagag tgtctgcatc tcttggagag ttacacattt cttcatgagc 540
catttttctc attcttagat gcacctgttt ttatcctttg cagaccatct tctgccttct 600
tattttcctg tctgtcaaag acagaaatta caggagatag ggagggtttt ttagcatctc 660
tttcaaaaga tgtatgtcag aatttccttt gcacaccaag aactggagct tagagcccca 720
ctattctcta agccaggttc tagtgcctta cactccagaa tgtcagatgg tgggtgcaga 780
ttggaagaaa gagaaaagtt catctcggtg tgtgggttcc catccgcccc acatagcctc 840
tccttcttcg gaacaatggg cgtggggtag aaagctcttt cagtgaaggg tgttctagca 900
gctcagttaa cactttactc tccagtcaac acttgggaca tataaaaatg ccattgtaac 960
tactgtagag tcctgtgact catcgtttgt gtttgtcart ktgcagttca gcttagccct 1020
tccctgttcc tgtgtagtta caatctggcc ctgaagacat ccgaggcact tcagtaagtg 1080
ggatcttttc tagagatcct gggtgacttt gggtgcacag ggtgaccgag catttctgcc 1140
cctgtgaatg tggcactaac actgtgcact gtctccacca agcaaggttt ccactgagtt 1200
tcttctcatg ttactgggtt tgtaaatgaa taaacacatt ttaactactc ttgcacggct 1260
gcttgtgaaa aaaaaaaaga ataaaaaaaa aaaagtttgt cgac 1304

<210> 820
<211> 994
<212> DNA
<213> Homo sapiens

<400> 820
gcggccgcag agactgggtc gccttggatt ccctctgcct ccgaggaccc caaaagacac 60
ccccaacccc aggccagccg gccctgctct ggcgcgtcca aaatactacc tagcacaggc 120
ctctgctcga ggcaccccca aactacctat gtatccagcc ccagagggcc tccattccca 180
ggaagtccct atgtatccca acactggcag acacccagca ccaccctccc agacccgcaa 240
gaaagtgaat ctcactacta cctactcccc taaaactacc tattttgtgc tggctggctt 300
gcctgctacc tagtgccgac tgctcccagg caagtcccct gctgcttaca gcccgcagct 360
tttggggtcc ctgaggctgc cctgagaatg tgctgaggtc caggatcagg gtattggcat 420
ctatttaaat cgaaaaataa tatatttatt ccaaaaagca tcctaagtgc ttgcacccta 480
gaatcaatcc ctccttctct ggcttggcac ccacagctca ggcccatcaa cccccacttc 540
wggaggggaa tgttcctgag ctggctgcag atctgtgggt tagcttctgc ttagcaggac 600
tgtggagatg cttccagctt cgctgtcctt tcctctggct cctgtatctt actgttcagc 660
tgtgttaaat atgtacgccc tgatgtttcc tataatagca gatactgtat atttgaacaa 720
gatttttwtt tatcatttct atagtcttgg agttcatttg taaggcagtg tcttgacttg 780
gaaaggatgt gttaatgggg tgactttgta gcatggtatg ttgtcttgag ttaactgtag 840
tgggtgggga ggtccaatgc cctccgcaat gcccttcatc tcctgtgttg tcctgtaccc 900
tgctcagctc catcctgggg ttcagggaag gcacacttcc cagcccagct gtgttttatg 960
taaccgaaaa taaagatgcg tggtgacaaa gaaa 994

<210> 821
<211> 498
<212> DNA
<213> Homo sapiens

<400> 821
caataggaac gtcaagtttt gcaaatcatc ctccagctgc aagacttttt ccagctaaca 60
aggaacgtga agaaatwcag actttaaaac agcaawtrgc agwtttacgg gaagatttga 120
aaagwawgga rwccaaatgg tcaagtacac acagccgtct cagaagccag atacaaatgt 180

tagtcagaga gaacacagac ytccgggaag aaataaaagt gatggaaaga ttccgactgg 240
atgcctggaa gagagcagaa gccatagaga gcagcctcga ggtggagaag aaggacaagc 300
ttgcgaacac atctgttcga tttcaaaaca gtcagatttc ttcaggaacc caggtagaaa 360
aatacaagaa aaattatctt ccaatgcaag gtaagaggct gcatgatctt tttataaaac 420
atttcagaat gtaaggaata aacaatttat acccaactta ataaaacatt tcttaataaa 480
tgtttttgaa catttgaa 498

<210> 822
<211> 796
<212> DNA
<213> Homo sapiens

<400> 822
accatgatta cgccaagctc gaaattaacc ctcactaaag ggaacaaaag ctggagctcc 60
accgcggtgg cggccgctct agaactagtg gatccccccgg gctgcaggaa ttcsgcacgm 120
ggtcraggta atgaatacat acatttttct gtgataaaac tcttaaaagt taattttaat 180
gtattaatag tattcctaat gtgtgctgca gaaatggcta tgagcctctt aaatttacat 240
ttgcaactta aaggtagttt tagaaggaag tacaaattgg ctttcatctt gcaaacaatc 300
gtttttttact tcattatctt aatttgcttt gtcactcata aaaaggaaac catacctgag 360
ttgtagacaa tgaggaaaca cttgaggctt ctgctgtgtg ttcttttgtt attgttgtta 420
ttgttgttac tcagtaactt gaatattgtt taatgtgttg taagacgtag agtttatctc 480
aagctgttaa aaatggtaat gtacaaatgt gaatagacac ttatctatat aatatgggta 540
agttttgttt cgcctataat agatgtttat aaaaacaagt gaggggacag ttggtctttt 600
tatctttttct ttctttttct ttctttttctt ttttttcttt ttttttttt ttttttttt 660
gcttccacag gttgcactat tgaaaaatcg agattgtata aacctggtaa aaagctgcaa 720
gatgccaaaa tcttgtagat gtcaaataaa aagttattat actaaaaaaa aaaawaaaaa 780
aaaaaaaaaa aagcaa 796

<210> 823
<211> 503
<212> DNA
<213> Homo sapiens

<400> 823
aatcgctgaa ccaggagcgg agttgcagga ggagaytcac cactcacttc agcctggtga 60
cagrgggagc tctktcttaa aaaaaaaaaa aaaatcatct gtaaaataaa ttccgggata 120
gtcgttttgt tcaaggaaat gttttgtaaa ttgagctcac actatataat ctttattgtc 180
ctatcctgat gtataataca gcaggtataa ttacaccaag cgctatagtt ataaatatgg 240
catgaagtga actatggcct tttatttcct tccagtgtga acacagcagg tgtgagatgt 300
catcttggaa gacaggcctt gcagaaatag gcctacatcc aaaatattat cttgtgactc 360
catgaaccat tcattaaccc tttgtatctt tgagtgaaaa ttttactcaa aagttgcatc 420
tggaagttcg aagaaattac ttgaaataaa aataaagatt tctatataga taaaaaaaaa 480
aaaaaaaatg cggccgcgaa ttc 503

<210> 824
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<400> 824
gctggcncgc ctgcaggtac cggtccggaa ttcccgggtc gacccacgcg tccgtttgaa 60
tcctttatta tttttaattt tagaaatatc acagttcaca tkgcaatatt ccctttaatt 120
tactattttt aaaggggtat tgtaaatatg aaagtattta taaagtgaat tgctattttt 180
tctgttcaga aaagtacaca cttaaaattg ttattgttaa caatgtgtaa acacatttaa 240
aattgttatt gttaacaaag aaatcatgga gaactgtaga ggttttcaca gtggatccat 300
tttctgacag ttttctacta tctattaaat catatctgct taaatatata gcttctatct 360
gtctttaaat cttctcatta aaatgtataa gcagtgaytt tgatctcaaa aataggtaat 420
ttttctttgc cgacctgtaa aagtgtgcca atacactaaa tttgtgattt taaattaatt 480
cctccagctg ttgaaatgaa gtctgccaaa tcttgctcta acaaataaaa tgttatytaa 540
atgaaaaaaa aaaangcgcn ttaagaccan tactcctctc acgctctt 588

<210> 825
<211> 965
<212> DNA
<213> Homo sapiens

<400> 825
tgtttttatt tttaaactat caatgttgtt taaaataatc atgtacttgt tgagttcctg 60
aggtttggaa caaattacac ataaaattta gaatacttta tttctgaaaa gcatatacat 120
atatgttatg tttatttttc cttgttgatt agaaaggtga tggaatatgt gacaatgcaa 180
aatkaattga taatttttct gtattttgag tgaaagttgt ctgtaatatg tcaagcaaga 240
atgttataat tctacagtaa tgtgtgactt catgacagag ctacattctg agaaatttgt 300
cattaggtga tttcatcatt gtgtgaacat catgaagtgt acttacacaa acctaggtgg 360
tagagcctac tgcacacctg ggctagatgg caaagtctgt cgcttctggg ctacagacct 420
gtacagcatg gtactgtatt gaatactgta ggcaactgta acacaatggt atctgtgtaa 480
tctaaacata gaacagataa tacattgtgc tacaatgtaa caatggctgt ggcatcacta 540
ggtgatagga atttttcagt tccattataa tcttatagga tctctgtcat atgtggtcaa 600
ttgttgatcg aaacatgact gtatgtcgta ttttcagaaa atggaatagg taatcatcac 660
ttgtgtgaat tttaatcaaa tgacttagga aagaaactgg atgtttcaaa agctgttgca 720
tttattacaa atgtcacaaa tacagctctt gccttttgag aatgttggag agatgtcttt 780
aaaaaatatg tttgtgtgta aaaatgtgtc tgtatgcaat agctagaaaa atgcctgtgt 840
cttaagtcat tactcatgtt ctaatttttg ttctttgtac tatttatctg tatgcttgtt 900

cttcagtatt tcagactcaa aataaattta ttttttttatg ttaaaaaaaa aaaaaaaaaa 960
aaaaa 965

<210> 826
<211> 454
<212> DNA
<213> Homo sapiens

<400> 826
agtggcaggt gtgtggccct gccctggccc cgtagtgagt gtggggccca cctgtgccct 60
catgggcagc tgaaggggga gctttctacc ccaggttcct ttccttactg aaaagtcttg 120
agcaaacagt tgccgctctc caccccctgc tttttaaaaa aaatttttttc tcacgtaaga 180
aaatgttatc tgtgtgctgg ggaaaatttt gaaaataaca aaaaccagaa tacaaacacc 240
cataatcaat cacagagata accactgttc ataattcctt ccagtcttct tacttggcac 300
atatacattt gtctttcttt atatatgaca tatggatatt ttacaaagtt aggatcctac 360
tctatgcact gcttggtgat cggatctatt caatgtacaa aatattttga aagtttctgt 420
gattaaatgt tctttgaaaa cataaaaaaa aaaa 454

<210> 827
<211> 754
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (752)
<223> n equals a,t,g, or c

<400> 827
actatagggt aagctggtac gcctgcaggt accggtccgg aattcccggg tcgacccacg 60
cgtccggtct ttggattcta atnaactcag catcaatttc tcacctcaga ctacagtgaa 120
ttttttatttc ctatcagctg aaatatttca cagatggaag ctcatgtttc agttttaatg 180
actgccttga ataaacaagt tgttgccact tgtttcaaac aaaagcctaa aaataatcta 240
cattcaattt taggctccat tgactaatat ggtgttgctt ttggaagtac tgtatatcct 300
cacatggaag ccaaattgtt aaattatttg aaggacacac cactgtacag aaagtagtgt 360
ttcaaatata aatcgaagaa caaagagtgc tccaaaaaat aggtcattct tttatttca 420
taaagtatct aaactgtact aacattcagt gttgtgtttc attctaaatt tgcagctgaa 480
ataaatttat ttgcgatarg anaatatctt attattcatc ctcagaaata aaggatttga 540
agggatagag attatatgat aaatttatag aagactttca gaatttgaat gcattttgtt 600
tagtgttatg aaatgacaat aggaaaaaag tctcgacttc aatttaaaag ttacacaaac 660
aaacaaatct acaggcmtgt ctttatatac cctcagggtc ttaggttttc caaaggaaat 720

ttgttgggat ataacttggc gggttaactc cntt 754

<210> 828
<211> 1437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1435)
<223> n equals a,t,g, or c

<400> 828
aaggggagat catctgagtc caccacaccc ttgaatgttt cccgcgagac tcttcagcaa 60
cataaactgc ttaaggtgat taggaagaag cttgttcgta aaacgctgga catgatcaag 120
aagattgctg atgataaata caatgatact ttttggaaag aatttggtac caacatcaag 180
cttggtgtga ttgaagacca ctcgaatcga acacgtcttg ctaaacttct taggttccag 240
tcttctcatc atccaactga cattactagc ctagaccagt atgtggaaag aatgaaggaa 300
aaacaagaca aaatctactt catggctggg tccagcagaa aagaggctga atcttctcca 360
tttgttgagc gacttctgaa aaagggctat gaagttattt acctcacaga acctgtggat 420
gaatactgta ttcaggccct tcccgaattt gatgggaaga ggttccagaa tgttgccaag 480
gaaggagtga agttcgatga aagtgagaaa actaaggaga gtcgtgaagc agttgagaaa 540
gaatttgagc ctctgctgaa ttggatgaaa gataaagccc ttaaggacaa gattgaaaag 600
gctgtggtgt ctcagcgcct gacagaatct ccgtgtgctt tggtggccag ccagtacgga 660
tggtctggca acatggagag aatcatgaaa gcacaagcgt accaaacggg caaggacatc 720
tctacaaatt actatgcgag tcagaagaaa acatttgaaa ttaatcccag acacccgctg 780
atcagagaca tgcttcgacg aattaaggaa gatgaagatg ataaaacagt tttggatctt 840
gctgtggttt tgtttgaaac agcaacgctt cggtcagggt atcttttacc agacactaaa 900
gcatatggag atagaataga aagaatgctt cgcctcagtt tgaacattga ccctgatgca 960
aaggtggaag aagagcccga agaagaacct gaagagacag cagaagacac aacagaagac 1020
acagagcaag acgaagatga agaaatggat gtgggaacag atgaagaaga agaaacagca 1080
aaggaatcta cagctgaaaa agatgaattg taaattatac tctcaccatt tggatcctgt 1140
gtggagaggg aatgtgaaat ttacatcatt tctttttggg agagacttgt tttggatgcc 1200
ccctaatccc cttctcccct gcactgtaaa atgtgggatt atgggtcaca ggaaaaagtg 1260
ggtttttag ttgaattttt tttaacattc ctcatgaatg taaatttgta ctatttaact 1320
gactattctt gatgtaaaat cttgtcatgt gtataaaaat aaaaaagatc ccaaataaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aananaa 1437

<210> 829
<211> 973
<212> DNA
<213> Homo sapiens

<400> 829
gtgaaacaac aacaacaaca acaaaatgta gtcttaggaa gcagcaagtt cactgacttg 60
ggatctttat gacagttttg ttgttgccat tgatattgtt ttgtttattt tttgttttca 120

gatgagaaag ttttctacat gttatctttt ttctaggagc tcaaagtgta catcattcct 180
ttattatagc taggtttact gactcatata ctaaggaagt agctaaaatt ataaaaataa 240
tttgttttta aaaccatatt taactaaggg aactaagtaa gttccaatga gcagtggtct 300
catgcraggt attttcaata ttttaaaatt tacagatgaa tatttaaata tattataaaa 360
gttttaatca gctatctcta agaaaatata tttcttaaag ggaaatgaaa ttcacttgac 420
tttaaataaa acaaatgaac tcatttcatg tttttaacta ttatctaact cttccttact 480
ttatgrtgct ggcaagctgt tgagagcctt gacatctcca tctgcagaaa aatcacagtc 540
ttagaaatcc tattaatcgt gtgaggtacc tgggtcatag tagcagcttc atgcagtgtt 600
aaaattatat gatgattata tgcagtaaca gatgaagaaa aaaagaaaga aagcaggaga 660
aatgcaccac ctcattcatt gtaaatgcag tatagttgat tttttaattt gttttatgtc 720
ctctagtgat ctaagcatga agcttgaatt attataataa agaaaataaa tgcaatgcag 780
ttggggatgg caaatgttaa tgcttatctg tatcaaagac taacactgtc ttcaggatta 840
tccttggtgg attatccttg gcagacactt aatgagcaga gagaagctac aatgttgaag 900
gacaaaagtc ctttgtcatc ttattatcga aataatgttt aatacaaata aacttttaa 960
attaaaaaaa aaa 973

<210> 830
<211> 814
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (789)
<223> n equals a,t,g, or c

<400> 830
gccattcttg aggaaatata gagatgacat gttttcaccc caactatctg gtgctattga 60
atgactaatt cagtccctaa agttctgtga aaacacaaaa gtctaatgat ttgagtgagt 120
aaaaggtaat ggtgcatttg aacaagtaaa tgctgtcgtg gtcagcaaga tccgkgattt 180
gaacatgtga tgactggaaa aaggtttggg ttatttggaa ctctggctaa aacttctttc 240
gggtgacatg tgatcgttta aatggcatta agtgaataaa gcacacagac agtgctactc 300
ttgaccacta ttttaccatt tctttgcaaa cagtgttcac attttcatat tttttcccta 360
actaaaccac caaagaaaga cattttgtat gtatatacag tgtgtgtgta tacaaaatca 420
tgatatagta gaatgcaact actttctttt tctaccaaac gaaaggtttt atttgctgtg 480
aaataaacca gaagtttaaa aaaccctgta gtgattaagc atacttaacc actccttatt 540
tgtagattca ctttcaacct taaaaattaa taccagtttg cataaaccaa tatctgaaaa 600
gaacaggaaa tgttaatgnc aagcaacagc tattaatact gatgtgaatg gatgcatttg 660
ttttgcagtg gtgactggcc taggcaggtt tgggatctgt gaaagaattg attcattttc 720
aaaattattc cataaagtta aaaagttaca ctttaaaggc aacaggtcat acagttcttt 780
aaaatctgna tccaactgta gctttattta aaag 814

<210> 831
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<400> 831
gcggaaatat tccatcagct tttcaaagcg gtgctgctcc ccacacacct gggtaagggg 60
aatggctctc actgaggccc agtgacacac gtcctaagct accttctggc tgccacacct 120
gtgcttcaac aggctcctct ccagttaatt ctaagttgag ccacgtcact cttctgctca 180
naacctccac tccctctcaa tctcccactc tccctcactt tttccactct ggccacactg 240
gcatcctggc acattccmac ccmagggcct ttgcacttac tgttccaact ccctggagtg 300
ccctcactcc cacaccaagt cccttgcttc cttcacagct ttgctgaaat ctcacttgct 360
cagtgaggcc ttccctgacc accctgcaac caattccccc tccctctgca acattgctgg 420
ctttttttctc ayagcattta tcatttccta acatactatg taatttgctt gtttattata 480
tcgtttctgt ctttccctat atggtttcct ttgttcactg atgtgcccaa gtgccctgtt 540
cctgacacat agtaggcact caataaatat tcattaaagg aatgaatgaa tgaaaaaaaa 600
aaaaaaaaaa a 611

<210> 832
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<400> 832
ccaatttnca caggaaacag ctatgaccat gattacgcca agctcgaaat taaccctcac 60
taaagggaac aaaagctgga gctccaccgc ggtggcggcc gctctagaac tagtggatcc 120
cccgggctgc aggaattcct ttttttttttt tttctgagac agggtctcac tctgttgccc 180
tggctggagt gcagtggtgc aatctcagct cactgcagcc ttgagtcagg ctcaggtgat 240
tctctcacct cagcctccca agtagctggg accacaggcc cacaccacca agcccagcta 300
atttttgta tttttaagta gagacgggtt tcatcatgtt atgcaggctg ctctcaaact 360
cttgagctca agcgatctgc tggcctcagc ctcccaaagt tgggattata ggcgtgagct 420
accagatttt ttcttattaa tctaataatt ctttgtatag tcttgatatt atccataayg 480
tgtattgcaa atatcttctc taactctggc tttgactggt tatggtgtcc tttttttttg 540
ggggggggtt tttgaaacag ggcttgctct gtacccagct ggagtgtg 588

<210> 833
<211> 436
<212> DNA
<213> Homo sapiens

<400> 833
gtgagaagcc attctcttct tttactagta tgaagtcatc agacgtcttc tccagcaaag 60
gaatgacacg ctgggggggaa tttgacgatc tctatcgtat tagtgagctg gacaggaccc 120
agattcctat gtctgaaaaa aggaattccc aggaagacta tttatcttat cacagcaaca 180
ccctgaagcc acatgcaaag gatgaaccag actccccagt gctctataga accatgagtg 240

aagcagctct ggtgagaaaa aggatgaagc ctctgatgat ggacagaama gaaagacaga 300
aaaatagagc ctctattaat ggacacttct ataaccatga aacatcaatt ttcattccag 360
cctttgaatc asaaactaag gtcagagtam acagtamcat gagaactgaa gaagtaataa 420
agcaacttct ccaaaa 436

<210> 834
<211> 1090
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<400> 834
aattcggcac gagcctgcct tggcctttca aagtgctggg attacaggca tgagccaccg 60
cacctggncc ttctaacgtt ttttcatcat agtcccaaaa accaatactt tacaagtggt 120
tttggaaagg caccactttt gtggcatgtt ctggttggga gagggagtca cagttcctac 180
tccncccacc agctatgctt ctgctctgag aaggtggtta tttatacaaa catggacata 240
ctcactccca agggctgatg agatgctgaa ttttctttgg gggcattcat taattgtccc 300
agctgcagcg actggagcaa gtctggaagc tgcctgtgct aagaccaccc agctgtccct 360
gggttctcat cctagggcct tctttgcttc caggtcaggg gacctgcttc aatgagaaag 420
caactgaatt gaggctagga gaggtaggga gagctgagtt ctgacttcac ctgtgcagaa 480
ctctctgccc ccatgttacc tggactggaa cagactgtga atatagcaga aggttccaag 540
aactctggtg tctgacctag aagaggcaca gttctctcta ctggaaagaa aacgatgtag 600
ccgattgcac aagggtgcca agggaagacc caggatggcc catcaaagga acctggggga 660
ggatgcagga ggctgaaggg atgcacctgg catttctctc actgtgctct taccgcatca 720
gcaacccccа acttttgggc ctactctgcc ccccatgcgt gaataccctg cttggatgct 780
gtgcttttcc ggtttgtctc taagcccctt tctccagggc atgttggttt ccctggcctc 840
tcagtgtcct aactggagcc cagagtgcct tgttctgagc caggagacgg ctgagcactg 900
gccctccaca cctaagcgtc ctttacatta acttattggt cttgtataac acctggtgcc 960
attgccaagt ggctgtgtcc tcagctacag agctggaatt gtgtggggtt tagtgctaaa 1020
tacttcaata aagtctgttt tttgtgattg gctgaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa 1090

<210> 835
<211> 960
<212> DNA
<213> Homo sapiens

<400> 835
gggcactttg ggggcggtgg aattcaagac gctctggctg aagattcaga agtatctggt 60
aactctcttt tccttctggg catcctctcc tctgttctaa tcctccctta cactcattcc 120
tggtccattg tattctgacc acatccttaw tcatggtcaa aactattgag tcctgggcac 180
attggtcatg aaggaacaag aaggcaatga gagactctca tgccaaccac tgccctgaaa 240

gccctgctgt tcagacagca aaggggccag cactggccaa gctcttatgc ttgctctgaa 300
accttcttgg gaggagtcaa tagggtctcc ttttgaaagt gtccctggcc ttttgagaaa 360
gcagtgtggt ggagggagat ggttctggca ggggcgtgaa tggttgtttt ctacttggga 420
tttctttcct gctttaggag atctattggg aaactgatta taaccactcg ggcaccatcg 480
atgcccacga gatgaggaca gccctcagga aggcaggttt caccctcaac agccaggtgc 540
agcagaccat tgccctgcgg tatgcgtgca gcaagctygg catcaacttt gacagcttcg 600
tggcttgtat gatccgcctg gagaccctct tcaaactatt cagccttctg gacgaagaca 660
aggatggcat ggttcagctc tctctggccg agtggctgtg ctgcgtgttg gtctgacccg 720
gggtttcgga catcagtgac actccctgcc ccactgcttg cttcttgtca ccccttctct 780
acaattttgt gaacatttat gctccagtgg cattcactgg ttgttcatac ctttcttgcc 840
ctgggtctat ttcagcagca ctgagctatg agctatgtaa gccgacccgg tgggcccagt 900
ggagggaaag caatcaatta aagttgtgag ccagaawaaa aaaaaaaaaa aaaaaaaaaa 960

<210> 836
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<400> 836
ggtgagccct gccacagacc tgtgtgacag cagagctgtt tggctgctgt atgagtgtca 60
ccggccctgc attttttttct tttttaataa agacagagtc ttgctgtgtt acccaggctg 120
gcctccagtt cctgggggct caagtgatcc tcacacctcg gcctcctgag tggttcagac 180
tgcaggtaca caccaacacg cctggctaat tttaaatttt ttgtaaagtg ggggtctcac 240
tgtgtcactc aggctggtct caaactcctg ggctcaaaca atccacccgc ctcggccagc 300
actttgagag gccgacatgg gtggatcacg aggttaagag attgagacca tcctggccaa 360
catggtaaaa ccctgtctct actaaaaata ccaaaattag ctggacgtgg tggtgggcgc 420
ctgtagtccc agctactcag ganggtgagg 450

<210> 837
<211> 1144
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1123)
<223> n equals a,t,g, or c

<400> 837
cgcccacgcg tccgagaaaa tctgcctctg tggcaacata tttccttcca ggcgttacct 60
cctgagctta gggaacaaac tgtccatgag gtcaccacag taggcactgc agaatgcagg 120
aaatggctga gcaggagtcg tactttggga gaactagaat ctctgaacac agtactgtct 180
gctttgcttg cagtatgtaa ttctgctggt gaagctttgg atacaggaaa acaaactgca 240
attatcgaag ttgtgagtca gctttgggct tttttaaaca ttaaacaggt agcagatcaa 300
ccttatgttc aacagacatt cagcctttta cttccactgt tgggattttt cattcaaact 360
ctagatccta aactgatact tcaggcagta actttgcaga cctcgctact taaattagag 420

cttcctgact atgttcgttt ggcaatgttg gattttgtat cttctttagg aaaacttttt 480
atacctgaag ctatccagga cagaattctg cccaacctgt cctgtatgtt tgccttactg 540
ctagctgaca ggagttggct gctagaacaa cataccttgg aggcgtttac tcagttcgct 600
gagggaacaa atcatgaaga gatagttcca cagtgtctca gttctgaaga aactaagaac 660
aaagttgtat cctttctgga gaagactggg tttgtagatg aaactgaagc tgccaaagtg 720
gaacgtgtga aacaggaaaa aggtattttc tgggaaccct ttgctaatgt gactgtagaa 780
gaagcaaaga ggtcatcttt acagccttat gcaaaaagag ctcgtcagga gttcccctgg 840
gaagaagagt acaggtcagc gctgcataca atagcagggg ctttggaagc aactgagtca 900
ctactccaaa agggtcctgc tccagcctgg ctttcaatgg aaatggaggc gctccaagaa 960
aggatggata agctaaaacg ttacatacat actctagggt gaaacttatc actaggcaga 1020
actgggtttg atgctttgtc aactgaaaat acttatgtct gtacattttc taacagatat 1080
aaaacaaatt ttgtaaagtt raaaaaaaaa aaaaaaaaaa ttnctgcggt ccgcaaggga 1140
attc 1144

<210> 838
<211> 274
<212> DNA
<213> Homo sapiens

<400> 838
gggagcagca gctgaggcgg ggtggacgtg tgggggggtca accttatgtt tggagcactc 60
aaagaccagc catccctatc tctgtgctcc ttagcatttc ctcagaggat ctaagcgaaa 120
acagagcggg catgagaagt cagacctagg actcccaggc tgtttaccag aaatgcattt 180
catttagaag agcctgtctt agctttgttt gggtaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 274

<210> 839
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<400> 839
ggaaaaaaac agaaagggac aggtgggtga ggtacaagat gaagcaccac ttttgtgaaa 60
gtggttgaag ttgacaagga catgagggag gctgtgaaga tcaatgtcaa gtgtacgata 120
accagggctc ctcttgaaaa atccaagggt attggccggg catggtggct caagcctgta 180
atcccagtac tttgggaggc caaggagggc ggataacctg aggttaggag ttcgagacca 240
gcctggccaa catggtgaaa ccccatctct actaaaaatg caaaaattag ccatgtgtgg 300
tgctatgcgc ctgtagttcc agctactctg gaggctgagg caggagaatc gcttgaaccc 360
aggaggcgga ggttgtggtg agccaagatt gcaccactgc actccaacct ggcaacagag 420
caagactctg tctcaaaaaa aaaaaaannn an 452

<210> 840
<211> 489
<212> DNA
<213> Homo sapiens

<400> 840
aaattatata ttgataagta aatggcttgt tgcatatacc aactttagaa tttattaact 60
ctaaagtttt tattggttaa agccaaataa aataatataa gctcatattt ttttagattt 120
ttcatgtcct aaaatgaaca tagttgtata ctttatctca ctaggataat ttttatcttt 180
gcctatatgt gctgctggac cttgtaaaaa tatgtatact ttctagattt gtggtagaaa 240
tttagctata gaatcattta atttgcaaac tggaatgggc attagagaat catacagttt 300
ttctttctca ttttaccggt aaaatcactg atgtctcaat ttgtgactaa tttcctaaag 360
gttgcaaagc tgrgtagata gagctagaac taaatctaga tcttttgtct tcttggtaac 420
tgataatgac atatttattc cattgattct atgacatgga cgaataaaag ctgcttaagg 480
ccaggcgag 489

<210> 841
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 841
gacttcactc aaaaagtgca gaattcacat tcttttcagg aacacatgga acatttatat 60
gtggtgggac ataaaactaa tcttaataaa tctgaaacta ttttgatcac ataaagttct 120
ttcattataa agaaattcaa ttgtaaaccc aaaccagaag atatatagaa acacccataa 180
tatttggaaa tgaaacagca cacttctaaa tatcccatga atcaaagaaa aacaatcaga 240
agggaaacta ggaagatttt gaaatgaatg aaaatcaaaa tacaacacat caacatttat 300
gagatgcagc taaagcagta ctgagatgaa attttatagc actgagcagc tatattatta 360
aagaagacaa gcctcaatga tctttctggc tcaagaaaag ggaaaaagaa gggcaaacna 420
aactnaaggt aagcagaaga agaaagaaaa agtcngaaag antt 464

<210> 842
<211> 412
<212> DNA
<213> Homo sapiens

<400> 842
cctggcccgt gtcttcatcg gcatcaacga cctggagaag gagggcgcct tcgtgtactc 60
tgaccactcc cccatgcgga ccttcaacaa gtggcgcagg ktgagcccaa caatgcctac 120
gacgaggagg actgcgtgga gatggtggcc tcgggcggct ggaacgacgt ggcctgccac 180
accaccatgt acttcatgtg tgagtttgac aaggagaaca tgtgagcctc aggctggggc 240
tgcccattkg gggccccaca tgttccctgc caggtttggg cagggacaga gcccagacca 300
ttgtgccagc cagggaggct gtccctttgt taagggtgga ggctcactta gtagagggct 360
gtgttctaaa ctgagaaatg gcctatgctt aaggaggaaa ttgaaagttt ct 412

<210> 843
<211> 565
<212> DNA
<213> Homo sapiens

<400> 843
gaaaaaaaat gctaatgtga gaatataaat tgtgggaaat gagtgagggc aaggtggtac 60
ttcctccttc tgagctcttc acacgtaatg caaaaacccg gtcttaattg attttgtttt 120
ttttctgagt atgcatatat gtggttgaat gaaccaatgt gtgattgtat ctttttccatt 180
atgtgactgt ttgacctgca tattaatttc aagatagcag tcaattcgat aaggcatttt 240
catagaggaa agtttacaga aacagtttat rtggttggat caccaaatta tcttaggtac 300
taaggcctca aaaataagaa aaactttatt atttctcctc agtagagttt ggacatacat 360
aaggagagaa ggtacagtga tgaaggagac cataattctg tagtgttgat gatcctggat 420
tataatcttt ttctctttat ctttcatagt ttttttaaaa acatggactg tatcttatct 480
accactatat cccaaatacc taagatagtg cttacgttca gtgactatta aataaataaa 540
tggatgaatt aaaaagtaaa aaaaa 565

<210> 844
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<400> 844
agcagaacaa cacagtcctg gtggaaggct gcttctgtcc tgagggcacc atgaactacg 60
ctcctggctt tgatgtctgc gtgaagacct gcggctgtkt gggacctgac aatgtgccca 120
gagagtttgg ggagcacttc gagttcgact gcaagaactg tgtctgcctg gagggtggaa 180
gtggcatcat ctgccaaccc aagaggtgca gccagaagcc cgttacccac tgcgtggaag 240
acggcaccta cctngccacg gaggtcaacc ctgccgacac ctgctgcaac wttaccgtyt 300
gcaagtgcca acaccagcct gtgcaaagag aagccctccg tgtgcccgct gggaattcga 360
agtggaagag caagatggtg cctggtaagt gctgtccytt ctactggtgt gaagtccaag 420
ggggtgtgtg ttcacgggga atgctgagta ccagcccggt tcttccagtt tattcctcca 480
agtggccagg ncttgcgtgt nccaagggac aaggtgggac aacaacaacc ctgnttcaac 540
gttcattggc ctggcaaccc acgggggggg g 571

<210> 845
<211> 678
<212> DNA
<213> Homo sapiens

<400> 845
gggaagcttc cagcccaaca ttttctaaag aaccaatgaa agtgcaagac agtgtattga 60
tcaaagcaga taacactata gaaggtgaca ataatgagca aaattatata aaggatgtga 120
aactagagga ccatctctta gctgggtcat gcttaaagca gagtagtaaa aacattttta 180
ctgaaagagc tgaagatcaa attaaaataa gtacaaggaa gcagaagtct gtaaaagaga 240
tctcttcata tacaccaaag gactgtactt caagaaatgg tccagaaagg ggatgtgaca 300
gaggaataat agtatcaaca cgtttgttga ctgattctag cactgatgct ttggaaaaag 360
tgtccacatc gaatgaagat ttctctttaa aggatgatgc tcttgctaaa acctcaaaac 420
gaaaaactaa ggtacagaaa gatgaaatct gtgcaaagtt atcacatgta ataaaraagc 480
aacacaggaa gagtactttg gtcgataata ctatcaattt agatgaaaat ttgactgtat 540
ctaacattga gagtttctat tcaaggaaag atacaggagt tcagaaagga gatggtttca 600
tacacaatct ttctttagac cctagtggtg ttctggatga taagaatgga gaacaaaaat 660
ctcaaaacaa tgtattgc 678

<210> 846
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<400> 846
ggaaagattt aaggaaagaa aacttttcga tttcctttga aaaatagaac acaaaactgg 60
cttgtaaatg tttttagaat gatgaataag tcattaatta attcagtgac gtatgttttc 120
taggatccct ctggctgttg tgctgagaac agaaggggtc aagggagtgg gggagtaaaa 180
atggaagcag ggtgcgcatg cggagtcaga naaaatggtg ttttntaggt ggacacaagg 240
aaggaagagt gattgatttt tgagaagcta aaattgtgtg gtaagtggat agtagcaaat 300
atcccagttt gctncatgaa gcaatacata tgttgaaacg gaaacgttgc ta 352

<210> 847
<211> 890
<212> DNA
<213> Homo sapiens

<400> 847
ctcttttgca gcttgtgatt tcttccagct tgggaggggc tgctggaagt ggcatttcgt 60
tcagagctga ctttcagtgc acccaaactg gatgacgtgc caatgtccat ttgccttatg 120
ctttgtggag ctgattaggc tgggatttga ggtgataatc cagtaagtct ttcctcgttc 180
ctacttgtgg aggatcagta gctgttatga tgccagacca tttggagaag tatcagaggc 240
ctgaccggac acataatacg acaaccacat ttttcctcat catccatgag gaaatggatg 300
atttctcttt tccatatgtc actgggggaa aggctgcctg tacctctcaa gctttgcatt 360
ttactggaaa ctgaggcgtc aagatggctg tggcagctag caaaagcaaa gatgctttgt 420
gcatagcctt gtgaaaaagt atctttctat gcaataagat gaattttcct cccagaatat 480
ttagaaatgt agaagggata acagttcaca gccaggtaaa atttaactgg tggcttaatg 540
actctgcacc tttttctcag gaattctgcc taagttgtct gccttttcta ccaccaaaaa 600
gacttttagt tttctatgct ttctcctgaa ttttggtagg gtaaggtatt tctatgtcaa 660
agcacagcct tgatgatctc agggaaaaat tttaatcact gtgtataatg atactgaacc 720
ttgattaata acagaaattc aggatgtaaa gccacagaat gggatttatt aatgtgggat 780
acctcagact gtttgttttc tttctgggaa gaaaagtgtg ttctataatg aataaatata 840
gagtggtttt taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 890

<210> 848
<211> 591
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (590)
<223> n equals a,t,g, or c

<400> 848
cgccgtgtcc aacaggagat cgacgacgtg atagggcagg tgcggcgacc agagatgggt 60
gaccaggctc acatgcccta caccactgcc gtgattcatg aggtgcagcg ctttggggac 120
atcgtcccct gnggtgtgac ccatatgaca tcccgtgaca tcgaagtaca gggcttccgc 180
atccctaagg gaacgacact catcaccaac ctgtcatcgg tgctgaagga tgaggccgtc 240
tgggagaagc ccttccgctt ccaccccgaa cacttcctgg atgcccaggg ccactttgtg 300
aagccggagg ccttcctgcc tttctcagca ggccgccgtg catgcctcgg ggagcccctg 360
gcccgcatgg agctcttcct cttcttcacc tccctgctgc agcacttcag cttctcggtg 420
cccactggac agccccggcc cagccaccat ggtgtctttg ctttcctggt gagcccatcc 480
ccctatgagc tttgtgctgt gccccgtaga atggggtacc tagttcccag cctgctccct 540
anccagaggn tctaaatgta caataaagca atgtgggang ttcaaaaaan a 591

<210> 849
<211> 448
<212> DNA
<213> Homo sapiens

<400> 849
gcgcaggtct ctttcagtcc ctggatggcg agcgcagccc ctgggaggcc acacttagtt 60
ctttattgtg aatctctcgc tactcaagtt cgttcgggac cagggcctcg gatggcctcg 120
gttgcccgta agtacgcgaa agaagaggtg aatccaatcg ctggcctaga ggatagtgat 180
cagacaaccc gaggattact aaacaagggg cggcggtgtc cctgtctcat ggggttggcg 240
tggggcgggg ggtaggcagc aagatcctcc aggctcctgg atgcaaagag tgagaaagaa 300
agcgcagcct ctggcagcct gcttataaat gcagcctttc ggaagatgaa acttgcagtc 360
ttaggttgtc ctcctttata tccatgttcc aatcctctgg gctttcctcg aaatgaataa 420
aattgtggaa atgaaaaaaa aaaaaaaa 448

<210> 850
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<400> 850
gcggccgcct actactacta aattcgcgkc cgctcgwcaa atggctggta agcaggccgt 60
ttcagsatca ggcaagtggc tggatggtat tcgaaaatgg tattacaatg ctgcaggatt 120
caataaactg gggttaatgc gagatgatac aatatacgag gatgaagatg taaaagaagc 180
cataagaaga cttcctgaga acctttataa tgacaggatg tttcgcatta agagggcact 240
ggacctgaac ttgaagcatc agatcttgcc taaagagcag tggaccaaat atgaagagga 300
aaatttctac cttgaaccgt atctgaaaga ggttattcgg gaaagaaaag aaagagaaga 360
atgggcaaag aagtaatcat gtagttgaag tctgtggatg cagctgttat gaagatggtt 420
aaacttgaaa caaacaattt taagaattat ttggtctgaa gatgtyttac tttaaataaa 480
tgtctattgt aawggnaaaa aaaaaaaggg sggccgcyct araggatcca agctta 536

<210> 851
<211> 383
<212> DNA
<213> Homo sapiens

<400> 851
acttataatc caaaagacca ccaggatgac taaatagtag aaagaagagc tttattggtg 60
atatcagttg caagctggaa gagaaagtct ccagcatgga ccaaagatgc tctctcttca 120
aacaggggaa ggacaggttg ggtctcattc ctctgagagt ctgtattaca caatagagtc 180
atacgtattc agcaggtttg gggtagaagc tatacatatt tatgaggaga gccaagcaca 240
ggagcaatga ataaacaaac atgtaatata catcccatat tcactttggg gcaaaaggtg 300
aactatagga cacaaagaca gtgtgtgtgc agcctctata agctggctga aactggctta 360
aggtctgcaa ttgctcatca gaa 383

<210> 852
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (642)
<223> n equals a,t,g, or c

<400> 852
gctttacctg agctttgacc tgcgtagcaa tatgttgatt tttaaggtat gttttgtaaa 60
ttaaaaaaat gctattataa aataatgact ttgaagagat ggtaatattt ctattgaaca 120
tattaatgga ccactgctat catgtagttt ttaatttaga aggctcaatt ttagttttta 180
ttagaaagaa tattgtttag tatcaaatga ctattaaaag tatatagtgc aataaaaaga 240
aagacgtgaa ggaatgtgga amcattaaaa caaaatcgan cctccttaag tagtagttat 300
atcagatgta attaaaagat gggatgtaat ttgactatca aatacttgaa ccaatgcttt 360
tatttgtaat atatatatgt gtatatatgt ttttgattac caatattaaa cmcaaagtga 420
aacmctattg atttgaagca ctggcccatt taaaaataat ttaaatgggt accccagaac 480
cttgtcgtaa ttttattggg gatttttgta caatatatag ccctagnttc gtctccaacg 540
ttctcacctt taagaaagca tttacatttc ctatcctctc ccaactggga gaatatgcaa 600
atattataaa ataaaattct cttttagaaa ttaacaaaaa gnaa 644

<210> 853
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<400> 853
ttttttttt ttttttttt ttttttttt ttttttttt taacaaatgt ycagttttwt 60
tcattacaaa tattaacatc atttttcttt tatttatcct ttatgcatca ttttatacat 120
tcacacacac aaagaacatt aaaaatatat ccaattattc aattttggtt gaattttcat 180
taaaataagt gttaaaaata tttatttgtt ttctgttttg agaaggcttt tattgttgta 240
ctccrgagtg ttatttctgg agacaaagtt gcctgtgctt taatagggag attcctggga 300
gaatctaaac cataagcaac aaaatttaa gttaataaat tcaagacaaa gcagaaagta 360
tagatttgct ttcagcattc ccgaggtgtt tagattttta ttagtcacct aattaamata 420
ttgttccaat aattggttcn tttcctccng aaaataagca gaaactcata cttacaccaa 480
aacacttcca taatttttctt acacctaagg gtttatcctc nggaatg 527

<210> 854
<211> 513
<212> DNA

<213> Homo sapiens

<400> 854
aaaaaaaaaa acaatgaaag tagcctccac ttacaaacta attactcttt cttgaaaata 60
ttacactttt tttcttctat atctctactc ctagctctca acacctttct taagcccaca 120
tcataacctg tcttgcataa ctttgtgagt gcccaacgtt tcactgtaca agattgtaga 180
gctgcatgct tcttaagaat aaatccacac tttaggtacc agtaaatcca tgcaatgcct 240
cagacgttat aaccaaataa tgcctggaaa atcgacatga atttatgtga agcataagcc 300
tttaattttt ttaaagaaaa gtagattgct gtttttccac atcatttcag agccgttctc 360
tagttttgca tgccctttac tgcagaacca tacagatttt gttctccatt tcatacatca 420
tttgttgaaa tgccctttaa aatgtaacgg aatatagagc tttatgggaa aaaatgctgt 480
agaaaataaa ttatcttctc tctttgtatt ggg 513

<210> 855
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 855
gtcttcayct ccgtatctgg ccttatgttt ttatgcattt caaggtagca gacatcagta 60
cattttacac ctagattcgt ttacatgcat agcattagag ttcaatagtt gcttactgta 120
tttaggtaaa cttttcatac agtgaaacgc aaaatctcaa atgtaccttt caatgaattt 180
tgatgcatgt acacaccttt ataactcaaa tcactatsca gatgtagaac atgaccatca 240
caccagaggc cctcctgccc cttctcagtt gattctaata tccactcccg aaagcaacca 300
cagttctgat ttttttcacc atagattggt ttgactaact ttttgaactt catataaatg 360
gaatcaaaca gtatgtactg cttcacataa ggcttctctc actcagcata atgtttttga 420
gatccgttgn gntg 434

<210> 856
<211> 1432
<212> DNA
<213> Homo sapiens

<400> 856
gcaatgctat cggttttgac aggaagcacg atggtaagaa taccactaac gaaaaccttt 60
gtggtgtctc aatgacaaat atgcagatgc caccctcctt tgtctaatgt acggtgcttt 120
agggcaacta tttaatataa agcaactcag aacttgtttc aggaagtgtt gctctttcgc 180
cttacatgcc aaggttctag ggaaaaagct gaccatatgt aaaaacattg atgctcaagc 240
acataaagaa ttcattcttt aaacatagag tacataggrt caagtctctg cacaataatt 300
gagatgtgtt atagggaaag tgagccagtg ctattgtyca cttagtcttg gtgaatgtgc 360
agtaggctca cccctaagga atctcatgtt gcctgcagta aaaataaaaa tggactgcta 420

caatgacata ctgagagagt tttaaatcat gctttacaaa ctgacattct gagctctgag 480
acagcagaaa atgtatcacc agagcaaggg aggaggcaaa tgttctgaac aataattgaa 540
atggttgtga ttttatttgg agttggcaca gatccaagtg accaaaggag ttcaaggccc 600
aaaatttagt tatgctggat taattctgag agtaacaagc acatagatta taatctaaga 660
aaacccttg tagctatgca tgtcgggaga gcatctaaca ctaatggtga tgtttcccat 720
gcagagactc agattacagt gactcttcca gtgaagacag atgaaagcca ttgggcattg 780
taccttgtt aatcaagcta aactaaccaa ggatataggg gtgtgtatgt gtctgtgtgt 840
gtgtgtttgt gtgtgtgtac acatacatct ataggtatga atgagacaaa aagctgctga 900
cttacagctt aggaaatgca aagtcaagtt tttcttttca ccctgaggca ctcagtgcat 960
aaaggttcaa gttttaaaac taagaatgtt tccaaaagac cagcaatgtt aaaagagtat 1020
ttcgtgtata ctagacgtgc ctttaagcaa taaaaattcc aagagctgat cattattgtg 1080
cttccatttt agaaaagttt atttagtaac aaacttccca gtgtagggag gtttttcctt 1140
gccctttga acatgttagg ttatttttctt cctatcctgg ggccttacca atgtgtaatg 1200
ctttcaaagt ttctatgaag cctgtgtgga ttctatttta gcttatttat atattctcat 1260
ttattttgaa ggatattata cttaatttgg ttcagagtag tcgccaggtt ttgcacctga 1320
caatggcaca tatttttgt ataacttttt ctaggtcctt acccttttcc acactttaca 1380
tttgtacagt gaaagcaact gccagtggag gcctgaaatg tccaaaaaaa aa 1432

<210> 857
<211> 1140
<212> DNA
<213> Homo sapiens

<400> 857
ctttggggaa tctggagtac aggcctctcc gcccctgacc accgaaacgt gcaggcattc 60
tcactcacac tgggcagccc gctgtcgggt ctctctaggc ctatgaacca caaagcaggg 120
aagtgggcac gttctctcgg ggtggctcac agctttgaac ctgccaaagg acccctcgac 180
tggccacagc ccagcccagc ctgacgtgga tgtggctgcc caggaaaaga cttaactgtg 240
aaaaagtact gagaacccac ctgacccagg cttgccccaa gcagaggcta gagaagaggc 300
tcctcttctc agtgtttccc aaaggggcgg ctcttgtggt ttcaaaatct ctggcaccat 360
cttgacctct tggctctctc tgcactttgc cccctgtctc aaaaatgtcc ctcatgtcca 420
tttcctgtcc aggagactca tgaggactgt gtgacctgca caagcccaca cctgggcagg 480
ctgttggtgt ctccttggtc cttaggcaga tactcccctg agtccccgat ctagggccag 540
ctgcagaggg ctctctctag gcagagcgtt cctggccaga gctctacctc tttgcctcct 600
gctgacccct gacagcgtcc cgtrgcattt ctttcatgtc tgcatattgc atagccttgt 660
cctcctgtgt gcctgagctc ctccctttc aataagatta ttagtcgtgc atgtctgtga 720
gctgcctttc atcaccattt ttcctgagta gggcttagtt ttattctgga aagacatctc 780
caaggtgagg tccaccccca cagcagacct caagtagaaa ttgcccaatt tttaccagct 840
ggagggacac ccttgggttt ttgtacgaag ctatttaatg agcctgtgtc ttggggactc 900
agcaggctgg agcttggggc ctggtggacc atcacctggt gtctgtaggt ggacccggtc 960
tcccacaggt gacatcaacc tgagggtggc gtctttagag acaggcacat gggcagctct 1020
gttcccttcg cctctactgc gaggcctggg gagatgttgt tttcatgctg cttccaccat 1080
cacactgggg tttctggatg ggaaataaaa aaataaaggc agttcatttc cccaaaaaaa 1140

<210> 858
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<400> 858
ttggaacgcc cgcgtccgct tgtatcaaaa ggtccagacc taaggggaaa ttttatctct 60
ttctttcttt ctttcttttt ttttgacaca gagttttgct cttgttgccc aggctggagt 120
gcaatgacac gatctcggtt cactgcaacc tctgcctcct gggttcaagc gattctcctg 180
cctcagcctc ccgagtagct gggattacag gcgcccgcca tcacgcccgg gtaatttttt 240
tgtattgttg gtagagacgg tgattcacta tgttggccag gctagtcacg aactcctgac 300
ctcgtgatcc gcccacctcg gcctccaaag tgctgggatt acaggtgtga accaccgtgc 360
ccggnctctt tntattaatt cctaaaatat taccttgagg ccaaattctg cgcttaagga 420
gaatgtgcac caagtgctgg ggtgggggct ggttataaac gaggccacaa atcatgcttg 480
ttaataaatt gtgtggttca aatctgaaaa aaaaaaaaaa caaaagagtt tt 532

<210> 859
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<400> 859
ggctttattc agaggtcaaa cttccttnaa naccagaaaa ttcatactga agagaagctc 60
tatgaatgta gtcagtatgg gagagatttt aactcaacta caaacgttaa aaataatcaa 120
agggttcacc aagagggact ctccttgagt aaggccccca tacatttggg tgagaggtct 180
gtagataagg gggaacacac aggtaactta taaaataatt actttcccgc ccagtgagtg 240
atgtttggaa atgcgtggaa ttaggattca tgtggtttct aagatttgga catgtcagaa 300
ttttgtgagt catggatggg gctgcttttg cagcgggtgc cacctgccac tgtgcanccc 360
tactcggctc agcccttctc ctcagctgtg a 391

<210> 860
<211> 567
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<400> 860
gtcctattcc tcgtggcagc ccaagccagc tgctggcccg gaggggagct taccttctca 60
aagaggccca ggagttttat agcctccttg aaacctttgt ttctatggac agaaagttca 120
tgatgcagat gctaagtttc tcttaacctg tttcttttta tttacctttg ccattctgga 180
tgaaaatgct gatcgttggg cactttctag caagaacggc ccttgtacct ttgacccata 240
aaacaagact gttatcattt atagacactt ccattaaaaa aagatttaag gaccgggcac 300
ggtggctcac gcccgtaatc ccagcacttt gggaggctga ggcgggtgga tcacctgagg 360
ttgggagttc gagaccagcc tgaccaacat ggagaaaccc cgtctctact aaaaaattag 420
ccaggcatgg tggcgcatgc ctgtaatccc agctactcaa gaagctgagg caggagaatc 480
acttgaaccc gggaggcgga ngttgcggng agctganatt gcaccaccga ctccancctg 540
ggcaacaaga gtgaaactcc gcttaaa 567

<210> 861
<211> 664
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<400> 861
acccattatt gagaatacac ctgaggagaa gacctcaang atagwatggc tcatgcaatg 60
aatgaatacc cagactcctg tgcagtactg gtcagacgtc atggagtata tgtgtggggg 120
aaacatggga gaaggccaaa accatgtgtg agtgttatga ctatttattt gatattgccg 180
tatcaatgaa gaaagtagga cttgatcctt cacagctccc agttggagaa aatggaattg 240
tctaagccaa aagaaagtct aattatatac agagataaag ctaaacgtaa ttattattta 300
aatgaaagct attttttaa atgaattgaa atttttcatg atgctactaa tttgccacta 360

aatactgcaa atggtcaccc tgaatctctt ctgacattgg atgttatttg cttatattct 420
tataatttta aatgagggca cagtgaaatg aaaattttat actctatgtt tctgtttatt 480
tttaaatcct taacagcaaa atatttgcct ttaatttctt ttttatatat actctcagag 540
aattcctctt aatttttaaa gatgctggtg ataataaaat tcattagaaa atttcctcat 600
tgtggaatga gcattctctt gttttaatgt tggtgtcaga aaataaatat gaaacattaa 660
gtcc 664

<210> 862
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (705)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (754)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (761)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (768)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (791)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (796)
<223> n equals a,t,g, or c

<400> 862
gctagaatct cagtcttatt ttaactactg attttgattt cccctaatat caatttttaa 60
aactgctaag ggaaaatgaa atactagaca tgagattttt tttctcttta ttttcaccca 120
acaaaccatt tggaatcagg tataaagggt atcaatcagg aaaaaacaga aggccaggag 180
acagagccca ataagggaga cccatcccag ggagcctggg agtcagcggg cctggatgca 240
cctcccagtt ctgcctctta ttagccagct gtgtgttaac ccctcatctg gtttgctcaa 300
ggtaacatga ccatcacaaa agcaacagaa acagattatt tactttcaga ttaacttgtg 360
aaaatgacaa gttgaatatt gtcatttcag tattcaagtt gaatactatc aattcaatat 420
tcaagttgaa tattgkcaca agttgaaaga ttaacttgtg aaaatgacag ttggttgaat 480

attggtattt tctgcctcca attgttgcat ttgttatttg caacttttaa tgcaccataa 540
aagcattttt gttttgtttt aaaagcattt gttttaacgc accttacaag cattttgtt 600
ttgttttaaa agcgtttgtt tacaaatttg tgttttgtga cttctgggat gatttaacaa 660
cttttaatgt accttaatac ttctctgtta gcttttgaga ttaanaacta ttctaatgca 720
atttagccat tatgaaaatt gatgatatta gtanaggtaa nagatatnga atagaagtta 780
aataagccaa ngactntaag aga 803

<210> 863
<211> 633
<212> DNA
<213> Homo sapiens

<400> 863
gactggctta gagacattgg gcagccaaca tctgtatttc ctcgtcagga agtgggcatg 60
gcgttgttgg gagattaaac ggggtgtggg tgaagatcca gtgagcgttt ccagctgtgt 120
tgtagatgta aacctagcag ttaatgtggc aggctgtgtc tcatgcctgc tgagcaactg 180
ctggcttccc cgtcattctg tcctcttgga wttctctgaa ttycattagg cctttattta 240
atccttgcac agtgctcccc tgccccaaat gctcttcccc attggtcttt tttaacctgt 300
atcttaacta ttcttccttg gccgttagct ggcacttaag ggacacttag cctcctgttg 360
aggctaagga ttactagagg aggagaactt cagagtagca aataatcaga cctccatcca 420
ggaagatgga cgtgggtggt ctgacatggg agcctagtat tttraaagct ccttaggtga 480
ttctaatgtc agcagggctg aaaatccccc tccttaagca catgggcact taggaggggg 540
tctaggttac attgtggcca agtctgcagt ttacagttct ggacaagaac cccaaccccc 600
aatttatgct atggtgatag ctgtgctctg gtt 633

<210> 864
<211> 507
<212> DNA
<213> Homo sapiens

<400> 864
tcaagggtca cacagggtta agttcagtaa gctgtgatcg tgacatgcct ccagcctggg 60
tgaccgagtg agactgtttc taaaaataaa aacaaaaaat aaatttcttc ttgaggtggg 120
gtggaggtgg ggagcaagaa tttgacctgg ctctgatccc tggtgtgttg tgtgggcctc 180
tttaacgttt gccactgagc cttaacctca ctgtacttca ctgtacttca cacgcattgg 240
tgttaacatt ttaatcttag aagaccctga cccactgagg gtttgttgtg agaattgctg 300
aagccacgta gaagcacctt gaaatctgta aaaccacaag aaagtacttt ataaaaggta 360
tccttatttg aagtggataa atcttgtaac tcgaaaagtt gtgatttaga agacaggatt 420
gtttttgaac attaggaatt aaaggctata tctggtcctt aaaaaaaaaa aaaaaaaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaaaaa 507

<210> 865
<211> 304
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 865
gcatatattg atacaaccat atggttttcc tgcttactta ataatttaca gaatatcacc 60
aattcctgtt aaactactct tatatttctg ggctaaccac tgcttgtcat agtgtgttta 120
ctcttttaat tttcaacttg ctttgacttg ccgagatttt gtttaggatt attttaaatg 180
tattcaaaag tatggttgcc ctttagatct ttgggggtg ctgtcttgaa cagttttagt 240
aatagagcaa ctttttattt tttaatagaa ctgctattta atttttattt cttaattggc 300
angt 304

<210> 866
<211> 1711
<212> DNA
<213> Homo sapiens

<400> 866
acctctattc ttgatgacct ttttaaaagt catggaacag tcccacacaa ctgccaaaga 60
aagttctttc agggcccatg gaaaaagcaa aacagagacc aaaagatttc tgggacatct 120
tgaatgagca gaatgatgag agtcttagta aactcacaga cttggcagta atagagactc 180
tgtgtgaaaa agcacctcta gcagcaccct ttaaaaggag agaagagcca gcaacttctc 240
tttggaaatc aaatgagaaa tttttatgga agaaatttag cccaagtgat acagatgaaa 300
acgcaaccaa tacacagagt accacataag catataaatg aattactgca ccagtaaact 360
gctgccatca ctgtttacgg cactggattc cacactgatt ctattatctt gaacacagtt 420
gttgacatat atttttatta aattattgct ttaggatttt ttgaagtcta aagtattgtc 480
atggatctgt ttttcttgat atttgatttg atctttcaag aatatgattg gatttatagt 540
ataaacctct gttatgaatt agaaaagatt ctaggtttgt taataggaga cctgggacat 600
ctttcttact atattacata atgatgtgac acttgccccg gtgagcattg tttcccagta 660
tgaaagatga agagtctgta ccgaatcagc atgagtgtcc ttccagttta aaaaagcttt 720
cktcgctctc ctaatggctc ataggctgaa tcatgtctgc ccctcaaatc aggtgtatac 780
caatgtgttt tttactagca cttgggaaag ttattaagta ttttcttttt ccctgggcat 840
catgttctat tattatttta gaaaaaagtc ataattggta ctgaatatat ggtatatata 900
atattaaaat ggtaattttg caacagctca aaattaaaag gttaatgtta tacactttac 960
tatatgagct gtgattacta ccattagcca cagataccag tgcctcaact ttttatgtac 1020
ctattgtgat ttaatgtaaa taaaggtttg tatagtactt ttgtagttct taagtatgaa 1080
gaaatgggta aacttttttat tttgttagaa actgttatat tttgagtgta atatttatgg 1140
tttatagcaa aatgaatgtg cttattgttg aatgcatgta tttagaagcc tttactcagc 1200
ccctgtgttc tgtgctagga gcttgagctc tacaggtaag gcagagctac cggtgaatga 1260
aaggaaatca tgtcagtgaa aaatcatggt ggaaagcccc tggcatcaca tgtgcatgct 1320
gtaggcagga cctgagctgc ctccgctgca ggttcagatg caccgctgca gctgtccttc 1380
agttagttca cagggctgca agaggaggac acatccctcc agaaaacagc ctgagccggg 1440
aactggctgt gctaaagagc actgctatca agttgaggag agagggcttc cgtgtactca 1500
ggatgtagag tcattgctca gaagtgaaca aaaaatcaaa aacaaaagtc ttctcaaggg 1560
actgatcggc caagtatgct tttctttaga gcaatgtttt gccctagaga attgtaaaat 1620
ttatgtcatg actcagtaca tatgtgttcg tacatatatg attggaataa aatgtttatg 1680
aaataaaaaa atttttaaa aaaaaaaaaa a 1711

<210> 867
<211> 567
<212> DNA
<213> Homo sapiens

<400> 867
gcagcatcta taagctagga aggaggccct caccagactt ggaatctgct ggcttcctga 60

tcttggcctt tctagcctcc agaactgaac atggatgaag ctggaggcca ttatccttag 120
caaactaaca caagaacaga aaaccaaata ccgcatgttc ttccttataa gtgggagcta 180
catgatgaga tgagaacatt gcccaaagga accaagtgaa attaccaaat tagaagtgat 240
aagaggttga ctctctccag aaatttattg taattagcaa gaggtaatgg tgtctaaata 300
agatgaaaga agatatttta aagatgataa taacaaaaac tactagaatg aggtgaagcc 360
agaaaggaag agtcataatc aaagaagaga gtgatcaaga atccaaaata gacagagaga 420
gcaggctctt agagaaatgg gagaactacc gcactgactc tgcacgtagg agacaggcag 480
gagaggagcg ccccagccag agctcaacat gcgcaaacag gaagtgtgtc cgaggttttc 540
tggagctcac aggagccggg gaccaca 567

<210> 868
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<400> 868
ggaaaaaaag aaaagaatag agctacagaa ggaagttcaa gcctaaatta atttgccact 60
gaaaaaatac attttgttat tttctctgtg tcaactgcat gattaaaacc ggctgttaag 120
tgagctctgg ggatgtgctc gtaaaagatt tatgagtaat attcaatgtg atattcaaag 180
tgagtcatga atatcaggat aattgctctc agtgctggct cttttactag gcaggagttt 240
gkcaactgcc ccataaatat ttgcctantc tcatgtaaaa aagacmattt catcttctgc 300
atttttatta cctagtataa tg 322

<210> 869
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<400> 869
ccgggtcgac ccacgcgtcc gattgcaggt gtgaaccact gtgcccagcc ctgattttta 60
tatgtcagaa ctaattcggg tctcttaaaa tgctctgtgg ggccaaacaa attgtgtgcc 120
agatgtggcc ctcaagttgc cagtcctgtc tgtaccagga tgcttcgtta ttgacaaact 180
ctcacattgc aactggagtg gaaacggtgt tagccactaa actgngnggg tttcata 237

<210> 870
<211> 523

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 870
ggaaggggga agatctggat ccaaccgtgg gtgatggtac ccggngcccc caggttngga 60
tngggatgga ccaaaatccc atctgggcca ncggctctat ggaaaattkg gcttaagtaa 120
ttatttccag tattccattg tattccattg tcccttcgtg ttccataagt taaatgactg 180
tctaattttt ccaaaaattt atttctgact tgagaataag tgtgtcatga ttttcccagt 240
gtaaagacac tgatataact gtagatacca gacattttat gtagtgtcta tgacacattt 300
tagtatgtat gagccaacaa tagacatgtc tttgtcttga ggagtgtcca tctgaattga 360
aaatgtgtca gctttttttt aacatcatca acagacttct taattaagct gccaatacat 420
actgccaata cactgtgtgc tgtctgagaa atgcattgtg taagtgctat ttccatctta 480
ttaaataaac aatgttgctc tgtataaaaa aaaaanaana aan 523

<210> 871
<211> 1172

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<400> 871
gaagccaggt ctgctgtggg caagtatagc ctaaccctag tcttgtaaaa taagccagaa 60
agggttactg agccacctta agctagtacc tatatagtag gcaaaaagta cagaaataga 120
tgcaataagt gtggtgagtc tttgagccta cgagtcatgc caccagccat aagntgacct 180
atcacttgag aacctcctca gcaaagatgc cagaaaacat tcaatcaagt tggcaaatga 240
cacagggaag cttggccctc ttgaccatct tcctggcaaa cctggactgg aagggccatt 300
tgcagcactg tcctggagct aatacactgt ttcactgcct ctgccatata atgatgccag 360
cactagccag ctggtgggta tttggaggaa tcctgcatga ggattgccca ataaggggca 420
ggtacacata cctggcaaag tgatgatgat gtgaattgtt tccagtgagg ggattgagtc 480
aaaacttgga tctcaggtac ctcaattttt ccccmattt ctggctacta ctaaaagcca 540
gaaagaacag aacagtggcc tcaggagatc tgagtttgaa tccttgctct ctaggatgca 600
ggtggcttga agcagaatgc cacacctgca agttgattag aactgccttt cttcccaggc 660
ttgacatagg tattaagtcr aaattacatg aaacccagtg gtaaaaaagc ctctgaaagc 720
tgtaacaccc ycagtaataa caaaagggat ttttatttcm cagctaaagg gaaaataggt 780
ggagaagtta aaaaataatg tctgatcctg ttcctaagtt ccaaactata gccaacactc 840
tgatgctgct ctttttcttg taggaccaac cgtcccagtt tgcctgggac tttctcattt 900
ttacagagtc ccaaatccta ggaaactgga gcaactggta caactggtca cctactcttg 960
cccctctgta aatcaagcca actgtgacca tccaatgtgc catcttacag ggaaaagtta 1020
taaccactat tcccctataa cataatgcta atgattgtac ttagtacatt tttatacttt 1080
tatgatattt tactgattgg aaatgtcatc ctttattaaa aataaacatg gttttccata 1140
gttgcctgcc aaaaaaaaaa aaaaaaaaca tt 1172

<210> 872
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<400> 872
gaaaggccga gatctgtcca gctgcggtga gaggnacgct gaatcgccga agagaattgg 60
ctgcgcttcc ttgtttgtga gctagaatta gaatggcgat cagtccacga agcgatgcaa 120
ctttctccag tcagaaatca acaccttcag agagtcctcg aacaaagaaa tttccactaa 180
ctgaagagga aatattttat atganttgta gagctgccta cttaactgtc ttcaaaagca 240
gcttggaaaa cattatttct aaagatcaac tttacttagc tcttcagcat gcaggaagaa 300

atccatccca aaagaccatt aataagtatt ggactcctca aactgccaaa ctgaattttg 360
atgatttttg tataatttta aggaaggaaa aacctacttc aaaagcagaa ctactaaaat 420
catttaagca attagatgta aatgatgatg gctgtatttt acacactgac ctttataaat 480
ttctaacaaa gagaggtgag aagatgactc g 511

<210> 873
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<400> 873
gggctttgct gtgcagaagc agcagttata tcggtccctt caagaaactg cctgcagaga 60
ttcctggagt catctgcctg gagcattgsc cactcacctc ctcaactcac ctcctggctg 120
ctccacgtca ttcttccaat ctcatcttaa atgttatttc cttaaagaaa ccttttcctga 180
cccagagtaa aatcagtacc ttcgggtatt cactctcaca acaccttgac ttttttcctt 240
catagcactt agcacagttt gcacttatat ttatttttagt gttttctggc ttaaaacctg 300
tttgccctat cactcatgaa actataaacc agaccctntc tattttactc accactgtat 360
aactagtacc taacagagca tggcataaag nggctactaa gtaaatgaat aatgaataaa 420
tgaatgaaca tacctgnttg cctaactaaa ggatctagnc attt 464

<210> 874
<211> 88
<212> DNA
<213> Homo sapiens

<400> 874
tctttttgcc tttacaaatc cacttgcagc tgcgctaatc caagtgtaga ttcctggcaa 60
catgaatctt tgatcccagg ttacaatt 88

<210> 875
<211> 617

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (596)
<223> n equals a,t,g, or c

<400> 875
gcggccgctg ggcctgagtg tcgccttcgc cgccatggac gccaccgggc gctgacagac 60
ctatggagag tcagggtgtg cctcccgggc cttatcgggc caccaagctg tggaatgaag 120
ttaccacatc ttttcgagca ggaatgcctc taagaaaaca cagacaacac tttaaaaaat 180
atggcaattg tttcacagca ggagaagcag tggattggct ttatgaccta ttaagaaata 240
atagcaattt tggtcctgaa gttacaaggc aacagactat ccaactgttg aggaaatttc 300
ttaagaatca tgtaattgaa gatatcaaag ggaggtgggg atcagaaaat gttgatgata 360
acaaccagct cttcagattt cctgcaactt cgccacttaa aactctacca cgaaggtatc 420
cagaattgag aaaaaacaac atagagaact tttccaaaga taaagatagc atttttaaat 480
tacgaaactt atctcgtaga actcctaaaa ggcatggatt acatttatct cangaaaatg 540
gcgagaaaat aaacatgaaa taatnaatga anatcaanaa aatgcaattg atatanaaac 600
taaccagaaa atgttga 617

<210> 876
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<400> 876
ggcagtttca attttactat ataaggtgtc taattatacc cattagataa aacaacctca 60
tcagtcatta gacatcaaaa actgaattaa gctacagaaa acgttgattt ttgaaagcag 120
cctattatca ctgtcagctt tccatgacgc tgatgtttga ctatagtaaa acaaatataa 180
tatgtatatc cctgatctac tatctatatt gtataaagtg gcaatgacta aaggggcaaa 240
caagtattat attatatact tggcatttct ncttcatgaa atgatgtggg tctgn 295

<210> 877
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<400> 877
cacacataga ccaaacttgt atacacacag acatctacac tgacataccc catgtacaca 60
cacagatcta gacgtgctcc acatatgtgt gaatatgcgc acatacaggc ctaccacaaa 120
cacaaaaccc acctgcaaag gtttcacgga acgnggagnc tctcctggcc tcccgtccct 180
cctcccagcc tgtttgttgt gcctctgtag agagcgcttc ggagagagag gcgaagtagg 240
aagtgggatt ttctcttccc tctcctgggc ccgtttgccc ctaccctcgc ccagcaagct 300
gcgcccaaat tctattctgc ctctggaaac tgctggacca tccaaggtca gctgcctgcc 360
ctgaccccta ccccagggcc agcttgtcct cctgggaggc gggacaggcc ccagtgaggt 420
tccgttgtgc gctgtgccta tctctcgatt ccagggcaga tgagccacaa catcaccacc 480
ctgccactta caaggtgggg gacctgggtc tggggtctca ggcgcaaact ggaggccctc 540
acagcccact aggccccctc ccaaccccag taccctcagt ccctcagtca ggtggtgcta 600
gtagagctat ctctgacgst gcaggcccca ggtagatggg cagggcccgt gg 652

<210> 878
<211> 431
<212> DNA
<213> Homo sapiens

<400> 878
ggaagaaatt tgatttcaga aatgtcctat atttaaataa gcaaagccat tgaaattgaa 60
gcacatttct tatttgaagc atctgggaaa tacaactgtt aagtatctct caaatattca 120
gtatatggaa tttataccca catttgtttg tatatctatc tgtaagctgt tgcttagaag 180
aattgagagt ttggattatt tcagaataca actattacag ttttccatag ttgattgaaa 240
gtttttaaac tcaaactttc attggtagaa tatctggaag gcatgtttgc aatataatgt 300

ggcttgtagg atctctccta ctttttttatg ctctgttttg ccagttctca aaagtaaata 360
cctgaagtcc tagaggtact ataaacattt tggtaaacat tctttgagac ttttttctcat 420
gtacatgtaa a 431

<210> 879
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<400> 879
aagtcggagg tccccaaatc tgccgtgtat gtggggacag gccctggtat cacttcaatg 60
tcatgacatg tgaaggatgc aarggctttt tcaggtagag ttacccatca gccttcaccc 120
acgtgccacc actgacccac tgggtaacrt ctcagggcct cagcttgacc trtcccccag 180
gttcagagtg tgggctggtg gcccacccaa aggccttgta attagtctca agggagccat 240
ttatatccca gaggaatcct tcatcttcag tcttcctgtt ctacccagga aaggtctcct 300
tccattaaga tatcccttgg tttctccatg tgctcttgaa taaaatggaa aatgactcag 360
tgaaaaaaan 370

<210> 880
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<400> 880
gcggacgcgt gggcgcgctc cttcctggtg gactcgctag tgctgcgcga ggcgggcgag 60
aagaaggcgc ccgagggcag cccgccgccg ctcttccccct acgctgtgcc cccgccgcac 120
gcgctgcacg gtctctcgcc tggcgcctgc cacgcgcgca aggctgggct gctgtgcgtg 180
tgcccgctct gcgtcaccgc ctcgcagntg catgggcccc ccgggccgcc gcgctgcctc 240
tactcaaggc ttccttccca cccttcggct cgcagtactg cacgcgcccc tgggccgnca 300
gcactctgct gngtcgcccg gggtcg 326

<210> 881
<211> 1315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1283)
<223> n equals a,t,g, or c

<400> 881
agaggctcag gcttacacag cttacctctc aggaatgcta cgttttgaac atcaagaatg 60
gaaagctgcc attgaggctt ttaacaaatg caaaactatc tatgagaagc tagccagtgc 120
tttcacagag gagcaggctg tgctgtataa ccaacgtgtg gaagagattt cacccaacat 180
ccgctattgt gcatataata ttggggacca gtcagccatc aatgaactca tgcagatgag 240
attgaggtct gggggcactg agggtctctt ggctgaaaaa ttggaggctt tgatcactca 300
gactcgagcc aaacaggcag ctaccatgag tgaagtggag tggagaggga gaacggttcc 360
agtgaagatt gacaaagtgc gcattttctt attaggactg gctgataacg aagcagctat 420
tgtccaggct gaaagcgaag aaactaagga gcgcctgttt gaatcaatgc tcagcgagtg 480
tcgggacgcc atccaggtgg ttcgggagga gctcaagcca gatcagaaac agagagatta 540
tatccttgaa ggagagccag ggaaggtgtc taatcttcaa tacttgcata gctacctgac 600
ttacatcaag ctatcaacgg caatcaagcg taatgagaac atggccaaag gtctgcagag 660
ggctctgctg cagcagcagc cagaggatga cagcaagcgc tcaccccggc cccaggacct 720
gatccgactc tatgacatca tcttacagaa tctggtggaa ttgctccagc ttcctggttt 780
agaggaagac aaagccttcc agaaagagat aggcctcaag actctggtgt tcaaagctta 840
caggtgtttt ttcattgctc agtcctatgt gctggtgaag aagtggagcg aagccyttgt 900
cctgtatgac agagtcctga aatatgcaaa tgaagtaaat tctgatgctg gcgccttcaa 960
gaacagccta aaggacctgc ctgatgtgca agagctcatc actcaagtgc ggtcagagaa 1020
gtgctccctg caggccgcag ccatccttga tgcaaacgac gctcatcaaa cagagacctc 1080
ctcctcccaa gtcaaggaca ataagcctct ggttgaacgg tttgagacat tctgcctggg 1140
acccttccct tgttcaccaa gcaagccaac cttgtggcac ttcccaccag sgtttcagcc 1200
ctttccctgg caaggctttt gttctttgga ctgggccytc aaaccatgtg ggcttttccc 1260
acccctgag ggacaagttt ggnacaggaa ggaccaagag tgggctcact gggta 1315

<210> 882
<211> 988
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (977)
<223> n equals a,t,g, or c

<400> 882
gatcctctgg ttttagaaag acgcagtgga gacagggacc tggagccaga ttggctagcg 60

caacttcgga ggcagctgga gcaaaaggta gcaggagaca ttggggatcc tcatcctact 120
cgctcagata tttcgggagc cggaggaaca acaacagaaa acactttcta ccaggacttt 180
tctggatgtc aaggctactc tgaagcccct gggtaccgct cagctctgtg gctgacacct 240
gagcagacct gcctgctcca gcccagccca cagcagccct ttcccctcca gccgggctcc 300
tacccagcag gagggggtgc agggcagaca gggacaccga ggccttttta ctcagttcct 360
gagacccatc taccagggac tggcagcagc gtggcagtga cagaggccac tggaggaaca 420
gtctgggagg aaatgctgca gacacacctg ggccctggas asaacacagt gtctcaagaa 480
acttcccagc ctcctgatgg ccaagaggtc atttccaaac cacagacacc attggctgct 540
asaccacgan tatttctgag agttccgcca gttcagccaa ggaggatgag aaggagtcct 600
ctgatgaggc tgataaaaac tctccccgaa atactgccca gagaggcaag ctcggagatg 660
ggaaggagca tacaaagagc tcagggtttg gctggttcag ctggtttcga tcgaagccca 720
ccaagaacgc atccccckct ggagacgagg actcctcaga cagccctgac tctgaggaga 780
cccccagagc atyttctccc caccaggctg gcctgggcct ttcactgaca ccttcccctg 840
agtccccacc tyttgccgga tgttagtgcc ttyttccagg ggcakaggtg gggggtgaar 900
gcckaggaty ccgcatccag cgggggggagc agttgcgggg gcgcttgggg tttggaggtt 960
tttttggaac cagaganttt tttctttt 988

<210> 883
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<400> 883
gctggacgtg aattttgggg acactgttca gcacactcca cctagagccc caaggggcca 60
gagtggttgg aaggcggaag gccccagcac agtggaaagt ccgcgcttga ggagtgactc 120
tcttgtccst gaggtgtttc cagggctggg gcaggggccc gtcagccctg aggttccggg 180
atgccctcca tctccacatt cccatgttcc ccacgctggg caggctcttc tctccaggga 240
cactgcgttc atggggagac atcgtcctct gagtcaggag ccagaggttg gagggttggc 300
cgcrtcmcag aggaggggga agatcccgtt cccacgtgcg tttggccact gggggcgtcc 360
ctgggcccgt cagcaggatg gctttarcac yggckgagtc tcccttcagc ctcggggtgg 420
atggtttcca tggcngaatt 440

<210> 884
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 884
gtcaaaattg agccagagga tctggacatc attcaggtca ccgtcccaga cccctcgcca 60
acctctgagg aaatgacaga ctcgatgcct gggcacctgc catcggagga ttctggttat 120
gggatggaga tgctgacaga caaaggtctg agtgaggacg cgcggcccga gganaggccc 180
gtggaggaca gccacggtga cgtgatccgg cccctgcgga agcaggtgga gctgctcttc 240
aacacacgat acgccaaggc cattggcatc tcggagcccg tcaaggtgcc gtactccaag 300
tttctgatgc acccggagga gctgtttgtg gtgggactgc ctgaaggcat ctccctccgc 360
aggcccaact gcttcgggat cgccaagctc cggaagattc tggaggccag caacagcatc 420
cagtttgtca tcaagaggcc cgagctgctc actgaggagt cnaagagccc atcatggata 480
gtcaacgaac c 491

<210> 885
<211> 865
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (683)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (720)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (781)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (827)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (852)
<223> n equals a,t,g, or c

<400> 885
caagcccacg tgcaatgagc tgatcaaaac catcatcatc cagcatgaga acatcttccc 60
aagccccagg gwgctggagg gccctgtcta cagcagagga ggaagcatgg aggattactg 120
tgatagccct catggagaga ctacctcggt tgaagactca acccaggatg tgaccgcaga 180

gcaccacacg agcgatgacg aatgtgagcc catcgaggcc attgccaagt ttgactacgt 240
gggccggaca gcccgagagc trtcctttaa gaagggagca tccctgctgc tttaccagcg 300
ggcttccgac gactggtggg aaggccggca caatggcatc gacggactca tcccccatca 360
gtacatcgtg gtccaagaca ccgaggacgg tgtcgtggag aggtccagcc ccaagtctga 420
gattgaggtc atttctgagc cacctgaaga aaaggtgaca gccagagcgg gggccagctg 480
tcccagtggg ggtcatgtag cccgatattt atcttgcaaa catcaacaag caaaggaagc 540
gtccagaatc tgggaagcat ccgaaaactt ttcggagtga cagccatggg cttgagcagt 600
tccctgactg actcctcctt cccaggggtg ggggctagct gccgccatct ccagccatca 660
tgagccagag ccttccaaag aanggccaga taagtggttc attaatgggc acggagcctn 720
aacttcatta accgcaatca tccttgaaga atcggctgga tagtccacag atccggaaga 780
ntggcacaac gggaaggtca aaaggttcaa taccatnggc catggancct taggcaatgg 840
tcaagatatt gnggaacaat gaact 865

<210> 886
<211> 1006
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1006)
<223> n equals a,t,g, or c

<400> 886
ggcacgagct cgtgccgaat tcggcacgag ctcaaccaac ctgcatctag aaagtgaatt 60
ggatgcattg gcaagcctgg aaaaccatgt gaaaactgaa cctgcagata tgaatgaaag 120
ctgcaaacag tcagggcnca gcagccttgt taatggaang tccccaattc gaagcctcat 180
gcacaggtcg gcaaggattg gaggagwtgg caacaataaa gatgatgacc caaatgaaga 240
ctggtgtgct gtctgccaaa acggaggaga tctcttgtgc tgcgaaaaat gtccaaaggt 300
ctttcatcta acttgtcatg ttccaacact acttagcttt ccaagtgggg actggatatg 360
cacattttgt agagatattg gaaagccaga agttgaatat gattgtgata atttgcaaca 420
tagtaagaag gggaaaactg cgcaggggtt aagccccgtg gaccaaagga aatgtgaacg 480
tcttctgctt tacctctatt gccatgaatt aagtattgaa ttccaggagc ctgttcctgc 540
ttcgatacca aactactata aaattataaa gaaaccaatg gatttatcca ccgtgaaaaa 600
gaagcttcag aaaaaacatt cccaacacta ccaaatcccg gatgactttg tggccgatgt 660
ccgtttgatc ttcaagaact gtgaaaggtt taatgaaatg atgaaagttg ttcaagttta 720
tgcagacaca caagagatta atttgaaggc tgattcagaa gtagctcagg cagggaaagc 780
agttgcattg tactttgaag ataaactcac agagatctac tcagacagga ccttcgcacc 840
tttgccagag tttgagcagg aagaggatga tggtgaggta actgaggact ctgatgaaga 900
ctttatacag ccccgcagaa aacgcctaaa gtcagatgag agaccagtac atataaagta 960
aaatgacatg gatttaaatc aattgtttaa aaaaaaaama acgaan 1006

<210> 887
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 887
accaaccctc actaaaggga acaaaagctg gagctccacc gcggtgncgg ccgctctaga 60
actagtggat ccccccgggct gcaggaattc ggcacgagaa caagcggann ggggaaccgg 120
gccgccaatg aagaggaaac gwaaaacaaa cccaaattga acattcaaat aaaaactttg 180
gcagatgatg tgcgtgaccg aattacaagt tttagaaaat ctactgtcaa aaaagaaaaa 240
cctcttattc aacatcctat tgattctcaa gtcgcgatga gtgagtttcc tgcagctcag 300
ccattatatg atgaacgatc tttgaatttg tcagaaaagg aagtattgga tctctttgaa 360
aaaatgatgg aggacatgaa ccttaacgaa gagaaaaaag ctcctttacg aaacaaagac 420
tttaccacca aacgtgagat ggttgtccag tatatttctg ccactgccaa atctatagtt 480
ggaagtaaag ttacgggtgg gctgaaaaac agcaaacatg aatgcaccct gtcttcacaa 540
gaatatgttc atgaattacg atcgggtatt ttcagatgag gaaacttctt aaattgccta 600
gg 602

<210> 888
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (623)
<223> n equals a,t,g, or c

<400> 888
cacacacaca ggagagaagt cctatgtgtg cagtgtgtgt gggcgaggct tcagcctcaa 60
ggccaacctc ctcagacacc agaggacaca ctcaggagag aagccttttc tgtgcaaggt 120
gtgtggacga ggctatacca gtaagtcata cctcactgtg catgagagaa cacacacagg 180
agagaagcct tatgaatgcc aggagtgtgg gcgaaggttt aacgataagt cctcatacaa 240
caagcacttg aaggcgcatt caggggagaa gccttttgtg tgcaaggagt gtgggcgagg 300
ctatactaat aagtcatact tcgttgtgca caagagaata cactcaggag agaagcctta 360

cagatgccag gagtgtggcc gaggctttag caataagtca caccttatca cacaccagag 420
gacacactca ggggagaagc cctttgcgtg caggcagtgt aagcaaagtt ttagcgtgaa 480
aggaagtctc ctcagacacc agagaacaca ctcaggggag aagccttttg tgtgcaagga 540
ttgtgagcga agctttagcc aaaagtcaac tcttgtctac caccagagaa cacactcagg 600
ggagaaacct tttgtttgta gangaatgtg ggcaaggatt tattcagaag tcaaccccttg 660
ggaaacatma gatcacacac tcagaggaga agccttttgt gtgcaaggct gtggacaagc 720
tttatccaaa agtcaacttc actttcacca gaggacacac tcagaggaga agccttatgg 780
atgtcgggag tgtgggcgaa 800

<210> 889
<211> 387
<212> DNA
<213> Homo sapiens

<400> 889
gctctttatg tctctattgg aagatacttt gtctaaacaa aagaatccag atgtgcgcaa 60
tattgttcaa cagcagttct gtggagaata tgcctatgta actgtttgca accagtgtgg 120
cagagagtct aagcttttgt caaaatttta tgagctggag ttaaatatcc aaggccacaa 180
acagttaaca gattgtatct cggaattttt gaaggaagaa aaattagaag gagacaatcg 240
ctatttttgc gagaactgtc aaagcaaaca gaatgcaaca agaaagattc gacttcttag 300
ccttccttgc actctgaact tgcagctaat gcgttttgtc tttgacaggc aaactggaca 360
taagaaaaag ctgaatacct acattgg 387

<210> 890
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<400> 890
ggcaggaggt caacggggag gtgcggagtc ggagagacag catctgcagc agcgtgtcct 60
tggagagctc tgcagcagaa acacaggagg agatgctgca ggtgctcaaa gagaaaatgc 120
gactcgaagg acagctggaa ccttgtcact ggaggcgagt caggcactta aagagaaggc 180
tgagctgcag gcccagctgg ccgccctcag cacgaagctg caggcgcagg tggagtgcag 240
ccacagcagc cagcagcggc aggattcgct gagctcggag gtggacaccc tgaagcagtc 300
gtgctgggac ntggagcgag ccatgantga ccttgcagaa catgctggan gcaaaaaatg 360
ccagctggcg tcgttccaac aacga 385

<210> 891
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<400> 891
aaaccttaca aatgtgatgt atgtcacaaa tccttcaggt atggttcctc ccttactgta 60
catcaaagga ttcataccgg agaaaaacca tatgaatgtg atgtttgcag aaaagccttc 120
agccatcatg catcactcac tcaacatcaa agagtacatt ctggagaaaa gccttttaag 180
taaagagtgc ggaaaagctt ttaggcagaa tatacacctt gccagtcatt taaggattca 240
tactggggag aagccttttg aatgtgygga gtgtggaaaa tccttcagca tcagttctca 300
gcttgccact catcagagaa tccatactgk agagaagccc tatgaatgta aggtttgtag 360
taaagcgttc acccagaagg ttcanctgca cagctcagaa aaccctacag gngaggaaac 420
cttatgagtg caaggattgc ggtnaagc 448

<210> 892
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 892
ggaacagttg ntaagaataa tgtgagttcc tatctgaaat agaatggtac attaccactt 60
ttaagtttta aaaattgata gatgttcaga tgtatctcaa actcagtttt atttttattc 120
caaatattgt gaatgagaag ccattgtcct aaactttggc catttttgtg ctataaacat 180
gcatttttaa gttataaggt gaatcaaaca atatgtaata cagtattagg atgtaatctt 240
tgcttttgta gtactgttaa aatagagaat tatgttgttt gcaccgtctt aattaaaatt 300
cttgattttt actagttgct ttgcaaaaaa aaaaaa 336

<210> 893
<211> 1555

<212> DNA
<213> Homo sapiens

<400> 893
gcggacggtg ggtcgaccca cgcgtccgct actaacaact taccacagtg cggagactgc 60
tttctgaaaa ggccactcac gtgaacacta gggatgaaga tgagtrtacc cctcttcatc 120
gagcagccta cagtggacac ttagatattg ttcaggagct cattgcacag ggggccgatg 180
ttcatgcagt gactgtggat ggctggacgc ccctgcacag tgcttgtaag tggaataata 240
ccagagtggc ttctttctta ctgcagcatg atgcagatat caatgcccaa acaaaaggcc 300
tcttgacccc cttgcatctt gctgctggga acagagacag caaggatacc ctagaactcc 360
tcctgatgaa ccgttacgtc aaaccagggc tgaaaaacaa cttggaagaa actgcatttg 420
atattgccag gaggacaagt atctatcact acctctttga aattgtggaa ggctgtacaa 480
attcttcacc tcagtcttaa caattctagt aattttccta agtttctaaa taccagtgcc 540
tcctgtgtgt gagatgtatt cccataatca aagttgacgt caaacatctt actacaaaaa 600
ttcagtgaca ttcattataa cattcttcca agtgaattgc ctgactttra tgtcaaaatg 660
tatttgaaag taatttgcat atatctttaa ttatttctgt ggagtttgtg attttttttat 720
cagaaataat tttaatgtgt gtatacttaa aaacttgaca cgggttgtac agaaactggt 780
atttttggtg ctgatacaag agaaatgtat ttttaaatat cccacatcct ggatctttgt 840
tgggtattta gtatattgac atatattttt ataaggtgag gtaactcaga acttaattta 900
aaagtcttaa atattctgat acaattcagc tgtcttctct accttaccat agccagttgc 960
tttcatttta aaccagagca agtaacatat tagtgacttg aatcttcata agttaaagta 1020
aaaaacagca aaaaacctag atctttgtct tttagaacac agaccatttt caggaaagca 1080
gttagctaag tgtttaattc atgaatattg tatactgcat cccctaccac aatttacaca 1140
atcctgtgga tagtcctacc tcaccctggt caacctacat gatccttaag ctaatggcga 1200
atcacgatga ccttgtagac atgcacacaa ctataccttt gtccaacaga tcataatata 1260
tctgctatcc aactggtttt acctgcctaa tcctactgat ttgggcactg cttgtatagt 1320
ctctcaagtt cacaggaaat gttgattttc taaggtcctc atttttacag agtatacagg 1380
caaagtgaca ggggaaaagg aattagtcta agagtaaggg gatgattatt atattgaggc 1440
taaaaccaca aagtggctca ggctttaaaa aaaaaacact gtggataatg acaaaaagca 1500
taagtaaaaa tatttgagaa aaataaagta caagttttga mcaacaaaaa aaaaa 1555

<210> 894
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<400> 894
actcncgggt tagntggtac gcccgcaggt accggtccgg aattcccggg tcgacccacg 60
cgtccggnaa aaaanatgga aaaagaccca agcagattgc ttctttgggc tgctgaaaaa 120
aatcgggtaa aaaaaaaaat tacagaggga agtgtgacag taggaaaagc actgggttca 180
agccagaaga cctgccttta ctgttatggc catcatacct atctcttgat tgtgaggacc 240
aaatgagaca atgtacatga aagcacatat taagctgcaa agtgtcatgc tagcttacca 300
caatttacac aatcctgtgg atagtcctac ctcaccctgg tcaacctaca tgatccttaa 360
gctaatggcg aatcacgatg accttgtaga catgcacaca actatacctt tgtccaacag 420
atcataatat atctgctatc caactggttt tacctgccta atcctactga tttgggcact 480
gcttgtatag tctctcaagt tcacaggaaa tgttgatttt ctaaggtcct cattttaca 540
gagtatacag gcaaagtgac aggggaaaag gaattagtct aagagtaagg ggatgattat 600
tatattgagg ctaaaaccac aaagtggctc aggctttaaa aaaaaaacac tgtggataat 660
gacaaaaagc ataagtaaaa atatttgaga aaaataaagt acaagttttg aacaacamaa 720
aaaaaaaaaa aaaaaaaaaa aaa 743

<210> 895
<211> 158
<212> DNA
<213> Homo sapiens

<400> 895
gaggcagcct tgggtgaggg cttccccacc cgcttgcccg acttgaaggc ggctcgctgc 60
ttgcccccca gtttgtctgg gggtgcaggg gtggtggtca ggcctggggg tccgggcgtg 120
cggggctcac tcagggccgt gagagaacga gtacacat 158

<210> 896
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<400> 896
gatactgagc gtgcgccccg ggttctcgcc gccttctctc cgccgagcag cccttcggcc 60
acccttgcc cttaaaaatc tgcagactgc gcctcctctc cgcgggagcg agacctagca 120
ggcccggggc tgggcgtgcc ctcgcctgcc acgctgcgcg ctgcyctcag ccgggccgct 180
ggggccgtgc agtgcaccgg gcacgccgcg ccaggctggg ggcaggcacc gagcctccgt 240
gggaggtccc gaggcagctt cgctgctcgc cctggctcca gccctcacct gccgcagnct 300
tagctgarca gmcgcgmcac tgggcgcccc cgt 333

<210> 897
<211> 696
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<400> 897
gatngagggc cagacggctg ctacccaggt atcctttctc tttggaattg aaatgcagag 60
aacattatta aacagcctat ttgctgtgag tgtggaagtg tttccacaga cacctttttg 120
ggaaaaagaa aagggcaaga atcaacctga aaactacaga ggatatatta gccacggttt 180
gcacgcattc tgcttatgga tctttcagtg actccagtga ggggccatct gtcccatcca 240
gtgcctgagt gcagccccca cccccacctt tggtccagag aagtctttgc cccaagaatc 300
tgcccagagt tggggcatca gcccctacag gtgtgggtcc ttcttcagga ctgtgtggaa 360
ctttttcttt tgaagaactt tcctggggat gaccactctg cttggagtct ggggtggagc 420
ctggtgtgag ggagccagcg tagggtttgg gtgcctgccc caccctcaga agcaggagcc 480
cagcagccct tggactgacc ggtgctgtty tggggctccc actggctcct tccactgtgg 540
agcactcccg tgaacactgc tttggtttga gtaccagtac aagtgttggg tgtatgttcc 600
tgaccttgag gcattyttga ttgkgcagtt acctagggta tgcttgtgtc tgacatgatc 660
atttttttt tttaataaaa aatggcatgg aaaaaa 696

<210> 898
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 898
gcattggcct tgggctggta actgttgaag tcaggtgatg gggacagaaa ggttcattgt 60
tctatttttg ttccttttat atggctcatc acagagcttc aacagcatgg cccaggtgac 120
acagagcagg gtcctcaggg cttgtggctt gtggcagcat caccctcaga ctgacactgc 180
tgaggagccg ggggcggtta gctgcaggtg tgcctggctg ggtactgagt ggaaagcctt 240
gggcagaatc ttcatagaag tctagagttg gggagagttg gagggtatgt taagtgaaag 300
gtgtatacac ctggaggctt ccccaggccc tncactctcg ctctgctctt cggttgaggc 360
agatggcact gctggctgtg gagggcctga tttgtaccac cttccccggc kttatgatgg 420
agcagggacg acaggctctg gctttgggac 450

<210> 899
<211> 827
<212> DNA
<213> Homo sapiens

<400> 899
ggaagaatcc gatggtggct ggcgagggcc aagtctctta cgccttcccc tcgtttctcc 60
ctccccgcct cctccgcaga agccgagcgc caaactcaaa ctttatcagg acccggacct 120
ctcaggctaa tcccgagggc cgggcctgtt gggcttttct gcacaccagc cgaggcagcg 180
agccaacatg agccaagtgc tgttccacca actagtcccg ttgcaggtga aatgcaaaga 240

ctgtgaggag aggagagtaa gtataagaat gagcattgaa ctacaatcag tttctaatcc 300
agttcacaga aaggacttag ytattcgtct gactgatgac acggatccat ttttttatat 360
aaccttgtta tatctgagga agattttcaa agkttaaaat tccagcaagg tcttctggta 420
gacttcttag ctttccacaa aaatttatag atctmcttca gcaatgtact caagaacatg 480
ccaaagaaat tccaaggttt ttgctacagt tagytctcca gcagctattk tggataactc 540
acctgcattw kkaaatgtgg tagagacaaa tccttttaag catcttacac acctctcact 600
aaaactttta cctggaaatg atgtggagat aaagaaattt ctcgcaggct gtttgaaatg 660
tagcaaggaa gaaaaattat cattgatgca atcactagat gatgctacta agcaactgga 720
ctttacacga aagacattag cagaaaaaaa acaagaatta gataagttac ggaatgaatg 780
ggcgtcacat acagcagcct tgacaaacaa gcattctcag gaactga 827

<210> 900
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (650)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (680)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (719)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (725)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (737)
<223> n equals a,t,g, or c

<400> 900
gtcccttaaa ttctgatcat gtaggacatt cttctttgcc ctgggcctgg gaaaatgcag 60
catgtccaga gcaaaagtcc taatgaggga actaaaccag tgggacccaa accaatgtcc 120
tggctcactg agsacccgtt agaaccaaat ctctgggtgt ggacaggctc ccatacttwt 180
caaaaattcc cctgatgact aatgaacaac cagrggtaag aaccagtggc ccagaggaat 240
aaccagccca gctgttgtac gagctcgcta agctggctca ggtcaatgtt gaattctctg 300
ctaggcagct cctcataaga actggcagag atggttctta cacaacaaca ggtgacaact 360
ccagactctg ccggaagttc caggatctgg gttcccggac aatgcatgac actcagtccr 420
gcattgcagg tggaagagcg acggtgaaaa gaccraagtc aattaaaatg tgttaaccaa 480
aacaggaaac atgagtgagg tgattgagag tgtgtttaac ttagatgtgt gattttatca 540

atactttcat tgttcaaaaa ctcttatttt ttaaagatat tttcaaaaca aatccaaact 600
ttacttttca ttccaaaaaa aaaaaaaaag ggcggccgtt ctagaggatn caaagcttac 660
gtacgcgtgc atgcgacgtn atagctcttc tatagtgtcc ctaaattcaa ttcctggcng 720
tccgntttac aacgtcntga ctgggaaaac cctgg 755

<210> 901
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (634)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

<400> 901
aattcggcac gagccgccgc cgggymgcca aggssaccct ctactgccgc gtcttcctgc 60
tcgacgggac cgaagtgagc gtggacctgc cgaaacatgc caaaggccag gatttgtttg 120
atcagattgt gtaccacttg gaccttgtgg aaacagatta ctttggcctc cagttcctcg 180
actctgccca ggttgcgcac tggctggatc atgccaaacc cataaaaaag cagatgaaaa 240
ttggacctgc ttatgcttta cactttcgag ttaaatacta ttcttcagaa ccaaacaacc 300
ttcgtgagga gtttacaagg tacctgtttg ttttacaact caggcatgac attctttctg 360
gaaaattgaa atgcccttat gaaacagctg tggaattagc tgctctctgt ctacaagcgg 420
actttgtgtg agtgcgagct tccagaacac acaccagagc ttgtgtctga gtttcggttc 480
attccaaatc agacagaagc aatggaattt gatatcttcc agagatggaa agagtgcagg 540
ggaaagagcc ctgcccaggg cggnaactct cctatctgga atgaaagcga agttggctgg 600
gaaatgtatg ggggtagaca tggcacgttt gttnaggggg gaaggagatg ggctnttga 659

<210> 902
<211> 597
<212> DNA
<213> Homo sapiens

<400> 902
gtattgacca gaaataaact tttaaatgat ctgtgatgtt tacaaggata tgtctaaaac 60
gtttattaca ttatttttcct cttaatgtga attctccacg tttgaaactg taactcgttt 120
tctcattttt tgttcttctt gttacttcct catattgtgt acttggaaat tacctttgta 180
aatacttgag aaattcgttc ttatatataa ttaatataaa aagtttgcat ttctcaaaaa 240
catctctatc aaagcctgtg ttctcacgag tttaatatca aagtcttaat aaaataatca 300
caactaccca aatgcttata aaatatgttc gattactgga tttttattca ttaaacagaa 360
ttaattttat ttgacatatt taaaggcgcc atttagaaat aaaawtgctt attatgttgc 420

aatactgtat ctatttcagc ctctacaccg ttttcttttt tgtttcacct gaaactagtt 480
ttcccttccg ttttttttct tgttctatca agctaatata tatatcaaca tacagtaatg 540
gggtgctggt ttttgtaagt taaatatgta cctgcattaa ataaatagta aacatgt 597

<210> 903
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<400> 903
nactaccatt gagaaacaag atcctcatgt tgtcctttga cttgagagtg ggtggcctgg 60
gccccaaggc cgaccgtttg gaggagcttg tggaggagct ggaagcagcc ccttgctgtc 120
cgcttttgga ggtggggtct gttttggacc tcctggttca gctggcaggg agtggtcccc 180
ctcaagttct gccgagaaaa cgagactact tccttaacaa caagcatgtg gggagaaacg 240
ttccgtacag cggctatgat tgcgacgacc tgantgtgtt tgagatggac gttcaatctc 300
tgatctncag anaagagtg 319

<210> 904
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (642)
<223> n equals a,t,g, or c

<400> 904
aagtcaagat caacaggaaa actgcatttg gaactacaac tcttgtcttg actgatttta 60
gcaataaatc cagtactttg gaaagaaaaa caaagcaaaa ccagatacta gatgaggagt 120
ttcaaaactc tcctcctgct agtgtgtgtt tgaatgatat acagnacccc tccaagaaga 180
caacaaacga tataactcaa ctatncagca tagtaaacat atcacctaca atcagttcag 240
aatctaaatt atttagtcca gcacataaaa aaccgaaaac agcccactac tcatcaccag 300
agcttaaaag ctgcaaccct ggatattcta acagtgaact tcaaattaat atgacagatg 360
gccctcgtac cttaaatcct gacagccctc gctgcagtaa acacaaccgc ctctgcattc 420
tccgagttgt gaggaaggat ggggaaaaca agggcagggc agttttatgc ctgtcctctt 480
acctaggagg aaggcacaat gtgggatttt tttggaatgg ggcagatttt gttccttcc 540
ctttctggca accnggggca aggcgtttcc caccntggaa aacagttntt ggaaggtttg 600
ggaccttaac attggggaaa ggatttttt tttgttgtgg tnccctttgg ggg 653

<210> 905
<211> 727
<212> DNA
<213> Homo sapiens

<400> 905
cacggtggaa gggctggggc cacggggcag agaagaaagg ttatctctgc ttgttggaca 60
aacagagggg agattataaa acatacccgg cagtggacac catgcattct gcaagccacc 120
ctggggtgca gctgagctag acatgggacg gcgagacgcc cagctcctgg cagcgctcct 180
cgtcctgggg ctatgtgccc tggcggggag tgagaaaccc tccccctgcc agtgctccag 240
gctgagcccc cataacagga cgaactgcgg cttccctgga atcaccagtg accagtgttt 300
tgacaatgga tgctgtttcg actccagtgt cactggggtc ccctggtgtt tccacccccc 360
cccaaagcaa gagtcggatc agtgcgtcat ggaggtctca gaccgaagaa actgtggcta 420
cccgggcatc agccccgagg aatgcgcctc tcggaagtgc tgcttctcca acttcatctt 480
tgaagtgccc tggtgcttct tcccgaagtc tgtggaagac tgccattact aagagaggct 540
ggttccagag gatgcatctg gctcaccggg tgttccgaaa ccaaagaaga aacttcgcct 600
tatcagcttc atacttcatg aaatcctggg ttttcttaac catcttttcc tcattttcaa 660

tggtttaaca tataatttct ttaaataaaa cccttaaaat ctaaaaaaaa aaaaaaaaaa 720
aaaaaaa 727

<210> 906
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (608)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (659)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (731)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (754)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (761)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (775)

<223> n equals a,t,g, or c

<400> 906
agnccatgtc caaggcgtgc ttntntaact tattccatta atactctttt tcacttaggt 60
acatctctct gtctttggag cttccaacat ttttcccttt taattttatt taaaaatgtt 120
ttcttccttc atttatttttc cccccataaa acagtatgac aaagggtttg attcagggag 180
agaaaggata tatgaagaca cattcttccc tcttctattc tcttccctgg ttagaaataa 240
ataggcatat agtcctgttt attatgggca ggaaggtagg taaagatcac ctaagtgctt 300
atggcgtgtt ggctttggca catggagaat gagtttttga tcttgttttc tcggcatgtc 360
tgtttcatga gatgagcctg taggaagagt tactaggctc cctgactaag cagcccggag 420
tcttgaccww ywkcaggctg tcaacaatcc taaatagcat atttattacg gactcaaaat 480
gaaatcttra aaaacaaaaa cacaatatat atgtcactgc atggacatcc atcacttttt 540
ctgagcctgt attgcctctg caaaacatta tagcagttac ttagagggaa ggatttttt 600
ctagcctnct ggtaacaggc tccattcaga actttctcga catcttatat caatacttnc 660
tacatctaca agccccagaa atctctatgg tctacttggt aatggctatt taaaagcttg 720
aggcacagcg naaaaagcta accataagaa aagnaatttg nttcttctaa atttnaag 778

<210> 907
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<400> 907
gagccagatt gcccactgca ctccacctgt gcgacagagg ggcctgtctc aaacaacaca 60
aacaaaaaaa agagcaggkt cataatcaca cagcagtgcc ttatatagtt gccataagac 120
ttcagtgcag tacaacataa ttttacagct acatatcagg gcatattcta tatggtgtat 180
ttgtgttaga ataacacatt aaatgtcttt aaacataaaa ataagaatgt ttgcatgttt 240
cagttttcaa gaaccaaatg agtaattagc tatagattcc actggcctta aacatacaat 300
taagtgtata catgatatag tgcacacaca aaagccacct ttaattattg aaataacctg 360
tattcttttt ggaaatcatt taagtttggt attgaagtac tatatttttt gtgcatcaat 420
gtatttttct atttacaagc ctatgtaaaa gtgaagtgta tcttcagtga accatgtgcc 480
aattaagctg taataaaaaa gtggtctagt ctgtcaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaaan 569

<210> 908
<211> 378
<212> DNA
<213> Homo sapiens

<400> 908
gtttgcagtt agaagcaggt gttgtaacat ctattaaatg attttataaa tcttgggttt 60
tatcacattt gattaaatgc tgctaagcca ctgatggtca attccagagg aaaaaaaaag 120
tttaatgact acagtttata aaattaatca ccaggcaaaa ctacatattt aaaatgtcaa 180
aaggcttgaa tcatgaaaag aattcctcaa ccttgttacc aaattattgt tttcaggatt 240
cacaaagcat gttatatatc catttatatt tcagtttata catatgactg gtttctattc 300
ctgagactta agtaagtact tggtgcgctt tttcttttgt tacaggtcag aaataaatca 360

ggataatgaa aaatagaa 378

<210> 909
<211> 693
<212> DNA
<213> Homo sapiens

<400> 909
aattcggcac gagagaaaaa gaaaaagaag gttaatcctt cagttatgga ggtgggatga 60
atagagcttg tttgatgtta aagtgggtaa ggagggagtg gccttgagac acttgtattc 120
caaactctcc tggaggtttc cagtagcact actgttccta aaagggtttc atttttaact 180
tcatctgttt tgttaacatc cagtccaatt gaggtgatct cagaggtgca tcaggacatc 240
tagcactggg gaggccacct tgcccagata gttgaaaaga aaattggtct gggcagcctg 300
ttgtcttttg tcttcatgta atgtttttc tttgttttaa aggactaatg tttattacag 360
tgttaaataa aagtgtaaga tactaagtgt gtagaataaa agtgcaataa caaaagacaa 420
tgactttggc acacacttca gtctttatcc tctctccttt cttgtgctac ctggctcttt 480
ccataatatt gttacagcag gaccgtctta attgtgtgca ttttgaagag atgcgactct 540
gggttaatct tcattagtgt aatattgaag ggttgggttt ggttttatag agtattctgt 600
atacttgttg ggatacacaa ataccagatg tgctgtataa taaagatcac attaacgttt 660
waaaaaaaaa aaaaaaaaaa aaaaaaaaag aaa 693

<210> 910
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<400> 910
ggcacgagct gacccggaat ggaggaggcg gaggagctgc tcttggaggg gaagaaggcg 60
ctgcaactcg cccgcgagcc gcgcctgggc ctggacttag gatggaaccc ttccggagaa 120
ggctgtacgc agggcctcaa agacgtccca cccgagccga cccgagacat cctcgcttta 180
aagagccttc cccggggctt ggcccttggc ccctcactcg ccaaggaaca gcgcttgggg 240
gtctggtgtg tcggggamcc cctgcagccc rgcygcatgg ntacctggcc aagaagttac 300
acagccccag tgatcagttc ccacccagag caaagaaccc agagctggaa nccaacagtc 360
tggntttcct a 371

<210> 911

<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (676)
<223> n equals a,t,g, or c

<400> 911
ggaacttctt aattgtaggt tcctctgaag cgatttcatg tagatatgtg agtgttttaa 60
acaagtctga aagtgttaca tacttttagg ttacaggggt gctggggaga cagctgagga 120
aaggaagaat atgtggaaga caccacggag ttcaaagttt taccctgagt tctatcttcc 180
atgtatgttt tgcttaaggc atttctcatg tgacattaga aaagctatat ccaaaggtam 240
atttttgtg gcaaagattt attttacact ttaacttttg ggattttatt tgtttcagca 300
aaataaagag cactgaactt taaacttgaa ttttttctgc actttttag gtmatgaaaa 360
ctttttatta tcatttaatc cacatkgctc agtttaaacc aagtgataca tgtgtataaa 420
acataccaaa atcatgaata tgctgctagc tgtaccttaa ataaactgat cagttttaaa 480
acctttaata gggttttata tagatwtwwa aaatagtaaa ataatctgct gtatgtttca 540
gtgttcttgg tcttaaatta ttgcaacact ttcagatttg atntaagatc atacagtaac 600
atgttatatt tatacatact gctagaaaat atacttttag ttttaaaatg gaatttttat 660
aaatgtactt taattntaaa atgg 684

<210> 912
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)

<223> n equals a,t,g, or c

<400> 912
ggtgaacccc aagttaaaac cttccaaggg cttcccaatg ctcttaatat aaaatccaaa 60
ctgtcccata tgatctgacc tctcccaaac tctccagcct acttttatgc cactttcccc 120
tttactctct atagtttggc catatttgac tcctctcact tcctcacccc tgtkttctca 180
cagtacaatg tacatacgtt tataacattg atcccactgt actgtattct ctggtttgcc 240
tttcctcact agaatgtaag ctcctcagaa ggcagtgaga ccatgcttta tattaccctt 300
gcactcctag tttccggcag tgttgactca aacatttgtt gagtaactga gcaaataaag 360
aaaaatagaa aagacaggag aaggaagagg taggctangg gaagataatt ttgtttttaa 420
acnttaagtt ttaggtggca ctggtttagt ggaatanaaa tgcacaanaa c 471

<210> 913
<211> 604
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<400> 913
gcgcgacacc ancctcact aagggaacaa agctggagct ccaccgcggt ggcggccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gagtaactat agcagctaag 120
catttgaatc agacttctca tagcaatgtt atgggctgtc tgatatattc aggatttgtt 180
gagcagataa gctgtgtgtg atcttactca ttctcagcca tgccgcagac atacccattt 240
ccctttagta attttttaat acagagaatg ctattaactg ttactggata tcaaataatt 300
ttatttttct aatagtattt tccaaatatt tcttaaaatt cttaaaattt aggttaaagt 360
ttgctggtct cttacattta ataaagctgg gacttgaaga cttaccatag ttttcaactg 420
cctttgcaag ttcataaact tctaagggta aaaagtgaat aagataaatt cagagtttta 480
aggtaaaggc tttatattag ctttttttt ttttaaaggt tttttgtggg gttttttgt 540
ttttnttttt ttttgggatg gagtctcgct ctgtcaccca ggctggagtg cagtggcacg 600
atct 604

<210> 914
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<400> 914
ccccacaatc ctaggcctac ccgccgcart actgatcatt ctatttcccc ctctattgat 60
ccccacctcc aaatatctca tcaacaaccg actaatcacc acccaacaat gactaatcaa 120
actaacctca aaacaaatga taaccataca caacactaaa ggacgaacct gatctcttat 180
actagtatcc ttaatcattt ttattgccac aactaacctc ctcggactcc tgcctcactc 240
atttacacca accaccccaa ctatctataa acctagccat ggccatcccc ttatgagcgg 300
gcgcagtgat tataggnttt cgctctaaga ttaaaaatgg cctagnccat tcttaccaaa 360
anggaaa 367

<210> 915
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<400> 915
gaactttgca ttttgtasta aaaaataggt ttcttaatat atgtgattgt aatggcatac 60
aaggctttta aattcatgtg catataagat aaattttaaa tattcttaga gggttttcat 120
gaaatatcac cttcacatat ttcatcagtt cagtacaaaa tgcaaaaatg tctattgnat 180
aaaacgggag atttaatcac gaccacgtta ggaatctccc agttacccct gggaacacag 240
ccccccanag tggagacatg cttagactgg cattctggtt caacat 286

<210> 916
<211> 1060
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (819)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (842)
<223> n equals a,t,g, or c

<400> 916
gctcccgcag cgctgtcatg gcgtcctgcg gcgccggaag gactggaacg tgcgcctgca 60
ggccttcttc accagtgaca cggggcttga atacgaagcc cccaagctgt accctgccat 120
tcccgcagcc cgaaggcggc ccattcgagt cctgtcattg tttgatggca tcgcgacagg 180
ctacctagtc ctcaaagagt tgggcataaa ggtaggaaag tacgtcgctt ctgaagtgtg 240
tgaggagtcc attgctgttg gaaccgtgaa gcacgagggg aatatcaaat acgtgaacga 300
ygtgaggaac atcacaaaga aaaatattga agaatggggc ccatttgact tggtgattgg 360
cggaagccca tgcaacgatc tctcaaatgt gaatccagcc aggaaaggcc tgtatgaggg 420
tacaggccgg ctcttcttcg aattttacca cctgctgaat tactcacgcc ccaaggaggg 480
tgatgaccgg ccgttcttct ggatgkttga gaatgttgwa sccatgaagg ttggcgacaa 540
gagggacatc tcacggttcc tggagtgtaa tccagtgatg attgatgcca tcaaagtttc 600
tgctgctcac agggcccgat acttctgggg caacctaccc gggatgaaca ggcccgtgat 660
agcatcaaag aatgataaac tcgngctgca ggactgcttg gaatacaata ggatagccaa 720
gttaaagaaa gtacagacaa taaccaccaa gtcgaactcg atcaaacagg ggaaaaacca 780
acttttccct gttgtcatga atggcaaaga agatgtttng tggtgcactg agctcgaaag 840
gntctttggc tttcctgtgc actacacaga cgtgtccaac atgggccgtg gtgcccgcca 900
gaagctgctg ggaaggtcct ggagcgtgcc tgtcatccga cacctcttcg cccctctgaa 960
ggactacttt gcatgtgaat agttccagcc agggcccaag cccactgggg tgtgtggcag 1020
agcaggaccc aggaggtgtg attctgaagg catccccagg 1060

<210> 917
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (676)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (694)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (703)
<223> n equals a,t,g, or c

<400> 917
gggcatcttc cttccttgat tttaagtctt cagcttcttg gccaacttag tttgccacag 60
agattgttct tttgcttaag ccccttttgga atctcccatt tggaggggat ttgtaaagga 120
cactcagtcc ttgaacaggg gaatgtggcc tcaagtgcac agactagcct tagtcatctc 180
cagttgaggc tgggtatgag gggtacagac ttggccctca caccaggtag gttctgagac 240
acttggaaga agctttgngg ctcccaagcc acaagtagtc attcttagcc ttgcttttgt 300
aaagttaggt gacaagttat tccatgtgat gcttgtgaga attgagaaaa tatgcatgga 360
aatatccaga tgaatttctt acacagattc ttamgggatg cctaaattgc atcctgtaac 420
ttctgtccaa aaagaacagg atgatgtaca aattgctctt ccaggtaatc caccacggtt 480
aactggaaaa gcactttcag tctcctataa ccctcccacc agctgctgct tcaggtataa 540
tgttacagca gtttgccaag gcggggacct aactggtgac aattgagcct cttgactggt 600
actcagaatt tagtgacacg tggtcctgat ttttttgga gacggggtct tgctctcacc 660
caggctggga gtgcantggc acactgacta cagncttgac ctncccaggc tca 713

<210> 918
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<400> 918
ganacnaccc tcactaangg aacaaagctg gngctccacc gcggtggcgg ccgctctaga 60
actagtggat ccccgggct gcaggaattc ggcacgagct gaattagaca tattctttaa 120
aaataagatc cgttgtcagc catctaaaat gtttttataa attcatactt acattctttt 180

ttgccggttg cagtcagcct ttagtgccaa gagagaacat tacagcatgg atgaatgcaa 240
ttggtttgat catcactgcc ctaccagtga gttaataatt gtgatttgta cttagtgatg 300
aaatacagcc agctgttcca tgtcagcaaa aagaaaaaga tgcatatagg atgcccttgt 360
acgggacgtc atgcaaatta atgaagtatt ttatgttttt aaagtttttt catattatta 420
ctgctttaaa aatctacagt gactagtttt tgcttttctg tattagatct aaatatatct 480
atgtgactta cgggtctctg cattttctgg taccacctta cctatccaac tttagttttt 540
acataatagc ttgatctact cttggncact taacgtgttg tatatctaca gcctt 595

<210> 919
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<400> 919
ggcagagctt ggctagattt gaagtgtaat agattaagga aagaaaatcr gttatattct 60
tcasaatagt ttgtctgagt tcatgcttca tgactgtcat gtgttgagtt atctttctgg 120
caagtggaaa tgacggagga gccttaacac gtgtctactg tggaatgttg ttgctaaagn 180
gtaggagaga gctggccagg cgccgtggct cacgcctgtg aatcccagca ctttgggngg 240
ccgaggcggg aagatcacct gagatcaaga gtttgaga 278

<210> 920
<211> 347
<212> DNA
<213> Homo sapiens

<400> 920
gggatgcgga ccacctttg cagaactcat atctcgagca gtttaaattg cttgtgcctg 60
ttaacaagaa tactgaccag aatgctcttc atgtagctta tacagttggt tcacttcatg 120
cggttcttga catgtttatt tctaccctta atgcaatgaa atgtttcatt aataaaaaac 180
cactttatat aaaattgctc tagaagtcat atgtcattgg atgtcctgtt gtttatggag 240
tttccctgga aagatgttcc ttgacagatg cagccctgag tcacacactt gggccatgtc 300
tgatctagag ttcgctgtag tggacagtta caatcagccc tcgtgcc 347

<210> 921
<211> 153
<212> DNA
<213> Homo sapiens

<400> 921
gttgtgaagc atgcacggga aaggcaccca ggtcaggggg gatccccgag gagatgcctg 60
agctgaagga ttgtggttgg ggaaagcgta gtcccagcaa ggaagcagtt tgtgggtaag 120

tgctgggagg tgagtggagt gagcttgtca ggg 153

<210> 922
<211> 930
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<400> 922
ccccaaggcc gtggggacca atggtaaaaa ccaattacca ccttgntgcc gcaccttaaa 60
gactggatgg tgtatattat tcacaattac atcctctttc ccatagcctg gcagaggaaa 120
gtagttacca gcacggaaca atttcaacat ctcactggag tctccaaaan ccnagcagat 180
actgcaggat gtcattaagc aacttactgt cacttcacac catatgtggc agtaagaaac 240
ttaattttaa aattaaaagg cacgcataag ctgatttcaa atattttaag tccaggctac 300
tctctttaga tacaatgttt tgaacacttg tatagaaatg tttatttaaa aactgttcta 360
tacaagtgtt caaaacattg tatctaaaga gagtagcctg gacttaaaat atttgaaatc 420
agcttatgcg tgccttttaa ttttttttt aagtttctta ctgccacata tggtgtgaag 480
tgacagtaag ttgcttaatg acatcctgca gtatctgctt gcttttggag actccagtga 540
gatgttgaaa ttgttcctgt gcttggtaac tactttcctc tgccaggcta tgggaaagag 600
gatgtaattg tgaataatat acaccatcca gtctttaatg tgctgcaaca atgtagtaat 660
ttgtttttt catttgttcc cactgccttt gtgtacatag aaaacttaaa aatttccccc 720
agtctattag aagttaagat gttccctaat ttattaaata tgcctttatt cacaatttgt 780
ttttttaggt tattcttaat gcattataga attaagtatg actttgttta tttttattac 840
agtatgtagt tattgacata ttgtggtttg cagaattatc aattgtataa actaaacctt 900
taaattaaaa aaaaaaaaaa aaaaaaaaaa 930

<210> 923
<211> 1358
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (681)
<223> n equals a,t,g, or c

<400> 923

BNSDOCID: <WO___0122920A2_I_>

tcctaccaca aattctacat caagaagaaa gttttaaagt tagactggat ttatttgtga 60
ttttatggag cacaataagg tacattgaga tagcatacta aaggaggcca aatacaggaa 120
gcatcatctt ttcttattct cttactgcct ggattttccc actgacctgg aattgtgcac 180
agttctacaa aggacaattg acattgtttt ccttttacta agtagtgggt tttccttaag 240
gtccagactg aattttgaga cctgtaccag gattgccttc tgtgtgactt tttcttgcag 300
gatctgacat cattacctat gggtccatat atttgtgata ctttggtttc gggaacatca 360
cttttagaat gttgacataa aatgcaccca cagaatgccg tatttatcaa aagtaacttt 420
ctagcaaaat ctacagcagt aggcatttgg aatctgcatt tgagacctct gcagtcattt 480
ggtcattcca gcaatctatg tccaggttgt caatttcaga ggtctyatta rtctatacag 540
gtaccaatga gctttcagat gttcaacacc taccctggc ctaactgctg ataaccaacc 600
ataacccttg cagatgcatg cwtgttttct gcaccttgct atcatttttc artccatttt 660
tcacatgtat acatagtgat nattttaaa tgcaaccctg atttcacatg cctcatgttg 720
aaatatcgtg tggcttattg kggactwaaa gkgtaacatt cyccytawgg takgtaagga 780
cttttgtaya aaccaatgcc tatctatcya wcatttctga aaactttttc cycctakgca 840
atattttctg gcctctgtga acaacttgta gttccttgag attyctatta tcacttawgk 900
ttttgcaaat ctgcaattga aatgcccttg ttccttgtta atgcctattg aatctatatg 960
aacctgtacg tgtgtttctc actgtgataa tataatcatt gcatgtttta tctttcccac 1020
tagaaagctt ctagaaagct agkactatct tttttgtctg tgtaattttt gcatcacaag 1080
ctatatttaa atgtgggtgc agtgagtggc tgttttctgc cacatggaga aacatggtct 1140
gcagtgagag agaagaatga agccatgatg aaagcaaaat caagaaagag tcccgattgt 1200
gttccagtac ctggttcttc tggtcttcat gttcaggtcc acctctgccc ttttcatgtc 1260
ttgattgttg aattcttctg tgagatactc caaatatcct aataaattct catgtttgct 1320
tcaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1358

<210> 924
<211> 79
<212> DNA
<213> Homo sapiens

<400> 924
gcccackcgt ccgcaagaca ctcatgccct ggcaatgtgg ctgccagaaa ctggtgggtt 60
agcaacaaca ttctctggc 79

<210> 925
<211> 1426
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1391)
<223> n equals a,t,g, or c

<400> 925
tcttcactct gatgagggct cagacttgat aacgcccgtg gtgccccatc cctataggag 60
ctggtgagat tgcagcctgc tgcctcccct ccatcagcca cagctattgg atttcccacc 120

cagaatcttt aggtaaatga gatcatgatt ctggaaggag gtggtgtaat gaatctcaac 180
cccggcaaca acctccttca ccagccgcca gcctggacag acagctactc cacgtgcaat 240
gtttccagtg ggtttttttgg aggccagtgg catgaaattc atcctcagta ctggaccaag 300
taccaggtgt gggagtggct ccagcacctc ctggacacca accagctgga tgccaattgt 360
atccctttcc aagagttcga catcaacggc gagcaccttt gcagcatgag tttgcaggag 420
ttcacccggg cggcagggac ggcggggcag ctcctctaca gcaacttgca gcatctgaag 480
tggaacggcc agtgcagtag tgacctgttc cagtccacac acaatgtcat tgtcaagact 540
gaacaaactg agccttccat catgaacacc tggaaagacg agaactattt atatgacacc 600
aactatggta gcacagtaga tttgttggac agcaaaactt tctgccgggc tcagatctcc 660
atgacaacca ccagtcacct tcctgttgag tcacctgata tgaaaaagga gcaagacccc 720
cctgccaagt gccacaccaa aaagcacaac ccgagaggga ctcacttatg ggaattcatc 780
cgcgacatcc tcttgaaccc agacaagaac ccaggattaa taaaatggga agaccgatct 840
gagggcgtct tcaggttctt gaaatcagag gcagtggctc agctatgggg taaaaagaag 900
amcaacagca gcatgaccta tgaaaagctc agccgagcta tgagatatta ctacaaaaga 960
gaaattctgg agcgtgtgga tggacgaaga ctggtatata aatttgggaa gaatgcccga 1020
ggatggagag aaaatgaaaa ctgaagctgc caatactttg gacacaaacc aaaacacaca 1080
ccaaataatc agaaacaaag aactcctgga cgtaaatatt tcaaagacta cttttctctg 1140
atatttatgt accatgaggg gaacaagaaa ctacttctaa cgggaagaag aaacactaca 1200
gtcgattaaa aaaattattt tgttacttcg aagtatgtcc tatatgggga aaaaacgtac 1260
acagttttct gtgaaatatg atgctgtatg tggttgtgat ttttttttcac ctctattgtg 1320
aattcttttt cactgcaaga gtaaccaggn tttgtagcct tgtgcttctt gcctaagaga 1380
aaggaaaaac naaatcagag ggcattaaat ggttttgtat ggtgac 1426

<210> 926
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (704)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (714)
<223> n equals a,t,g, or c

<400> 926
ngaggaccag tattttgtta aaaagggcat gcaggamayc ttctctgcct cctacccttt 60
ctcatctccg gctccatctc cagctggccc ccagatcctg tggcgacggt tccccatggc 120
agccacctgc tgacctatca ggactcycta tagaggaagt gtccaagtca ctacggttca 180
ttggtttgtc cgaagatgtc atatcattct ttgttactga aaagattgat gggaacctgc 240
ttgttcagct aacggaagaa atcctctcag aggatttcaa attgagcaaa ttgcaggtga 300
agaagataat gcaattcatt aatggctgga ggcccaaaat atagccaaat aacccccggc 360
cagcatggaa caaaactgat caatgcgtgt gctagaaggg gtgggctggg acacaatttc 420

atgtttttgc actaaaaacc ttctctgtaa atagggataa gagaaactct tactatgcag 480
attacgtttt tgaatggtga acaggctatt ttgtacatca ataaaaatgc tgtacagaac 540
acttggaggt gtgccttgta cgtcactcaa caaacactca gcagctgcta aaagaaaaaa 600
aggcatgtgc agagaaatca ttcttaccca agtaggttta tgtgagaagg tatgatattt 660
attacaaaat agccaaagct gaaagacata aaaatcttta aaanaaaaat aaangggcgg 720
cccg 724

<210> 927
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<400> 927
tnaataacat caatgatgac tcctacagta tatttagtaa aagtgagaat gagtgaaaaa 60
gccctactat gtttttaaat agcaagtgta agctcagtgc tagagtggat atacacaccg 120
catgttttca tatgtggcac ttttatgtat catgttgggt tattgttcta gactggactg 180
ttaaatacta tgtttgaggc tgggttgtca tttttataac tgtcttggtg ttttatggcc 240
attatttatt acttttgata cacagaatga gctgcatgca tttatagagc aataagagga 300
tgtatttaat gtgccttgtt tttaactgaa taagaactgg aagcatgaat caataaaact 360
gattaaaatg gtctatttgc tagcattttg atgttacttg cagtcagata actttgatta 420
ctgttgaagt ttaaaaaaag tttgaaaata tttttacaaa ctgtgttttt gatgacacaa 480
aagtgaaata tctacagaga tagatgtaat tttataagac tgccagaatt atttgtatta 540
atttgttgct gtagccttta gggcatgact tctgtatttg tgcaatccta ttctacaatt 600
acattcatcc tattacaact caaaaaaaaa aagtcgacgc g 641

<210> 928
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<400> 928
cagctcccac catggcggag accaagctcc agctgtttgt caaggcgagt gaggacgggg 60
agagcgtggg tcactgcccc tcctacctgg acagcgcgat gcaggagaaa gagttcaaat 120
acacgtgtcc gcacagcgcc gagatcctgg cggcctaccg gcccyccgtg caccccgct 180
agcgccccac cccgcgtcta tcgcccaata aaggcatctt tgycgggaaa aaaaaaagna 240
aggaa 245

<210> 929
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<400> 929
agagcgagac tccatttcaa aaanaaaaaa aaaaaaaaaa aatcacttgt agtcttggtg 60
tggtatcaaa gaatagccac aattagctga aaaggctatt ttaaaaactt ttccaactgc 120
gtatctgtgt gaagtcaact tacttcaaca aaaaagtttg gatgtagaag cagctgtaag 180
aattcaactg tttattataa caagatacta aagagactgt aaaatgccac ccttctcctt 240
ggwttgtttt ggaagttatt cttcataaaa aatgttaacg tgggctgggc atggtgg 297

<210> 930
<211> 579
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<400> 930
gctcgtgccg ttgagaattg tataaggact gtattgtata ttgtatgaga ttgtagatcc 60
aggatgagtc acagtatttt tgaagttgta gtaaatggaa tgaactagaa agatagaagt 120
taatgttcgg aaggcaggag acttaaaagt tagattgtaa aaatttgcaa ttaggagtaa 180
taacgtggtt tgagctgaga tcatgagatt gaatagctag atactgaaga tagcaagtac 240
attggaaatg atgaggtcaa atgtcaaaga agataagtaa tttaaatgag acatcaaaat 300
aatggcagtt aagtcaggtt gtaaagactg caaagaatga gggaaagtga ctaaacattg 360
ggagagtgat caatataatc aaatagtatg agattccaag ctggaggggt ttgaggagaa 420
ggaagtagaa gtattctgca agaggacact tattttactt ctagaggcag tggntagagc 480
actgagggtt gagaactant ctgcacttaa ggggcgacat gagaagcagc agcatcagtg 540
agagacagat gaccataaga atgaaaatgt nnagggaaa 579

<210> 931

<211> 670
<212> DNA
<213> Homo sapiens

<400> 931
gtttgaactt tgaaaactgg gcaacgggga gaacctgctg tgaaacagac agctttctat 60
tgtgtctaga gtagcgcaga ctttctaaga aatggatgtg gatagagtat gtattggtgg 120
catgcgcctg tagtcccagc cacttggagg ctgaggcagg aggatcattt gagtccagga 180
gcttgaagct ataatgcgcc accatgtctg tgaatagcca ctgcactcca gtctgggcaa 240
catagcagga ccttttctct taaaaacaaa aaagagttcc ggtgaaatgg ataaagcaga 300
ctgggaagga cgaagcctgt kgggctggtg gggctgagtc ccaaccagct tcatcagtgg 360
tgatcctttt gaacttgtac caaagtttcc agaacagagg cggcatggat ttacccttgt 420
gtgatgctcg atctcagaga tgggactctg tgattggcct ttgttgaact gacaggtatt 480
tgaatgtgca catcctacgt aggacatcgc attgagtgta ggcatagtgc cagggcagct 540
tgcctcatcg ttaccaaacg cgtttcctgg gatctgtcat tctgtccatt gtgctttctc 600
ctgttactct agcagttcag tgaatgtaag attactactc tgtatatgga actttgaaaa 660
caagaatgaa 670

<210> 932
<211> 1755
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<400> 932
gactaggnga agatgctcta gaatttamcc aggtttttaa atcagtaatt targatttct 60
aaccattkga acaaatttta cttacatgta tgcacatgtc atttttcgtg tttctatttt 120
tatgttctca aaggtaggat aagggaagga aggaggaaac agcccatttg gggttcaaga 180
gctagctctg ctaagggctt gtaagctatt tctattctgc cctttggtct ttttcttgtt 240
tgtcttgtct ttatttttaa atgaaattct tgaagctatg tattgaattt tctagtatag 300
aggatgtgac ttccacctcc aaattccatt taactgattc ttttaaaaga aagataggcg 360
tatatacacc acgccaaaat aataataagg tacctatgtg agaattgcaa attatacccc 420
agggtagcat ttaggcagcg tcggcaaaaa gtgagttaat aaatcagaag ctacatatta 480
aaaaaaaaat cagtcaatcc gtcgtgtgtt taawtcttgc ctaaagtaaa tggagatatt 540
gttttgcttt ggtaaccagc aatttttaat tttttttat tgcccgcaaa ttgagattgt 600
tttgttaaaa tctgttgatc tagcagcaag tagaattatt caactggaat cttgtattct 660
attcagagct taattttccg ttaaggaaaa aaatgagctt cagtttgtgt tgtgatgtgt 720
ataatttgca tgctgaatca caacatgctt ggagagattg tagagactct ttggtaaata 780
atctaacctt tacaatttyc cgtttatatg ttaacmtttt tctataatat gagtgccttt 840
ccaatgcaca gatatttttt atggctgtaa tttctctgta aaaataattt ttaagcatac 900
attttattct ttttttgcaa caaccgagat ttttccaaga ttgttctgtt tcccctcgcc 960
ctcctagctc ccgccccccgt cacttcggcg cttgtatttt ctaattattc atgggtgcca 1020
tgttgagtgt ttgtaatttg accaccacag gtaagcttcc tgtttacttg aacactcagc 1080
ctcatctccg gtgaatgaag ggaaaagcac agatgggttt ctcccaggca cagctcactc 1140
caaaggtgtc ttcatagagc caacccagcc tttctcaagg gagcatttcc ccacttaatg 1200
tgtttatcag catctttctt ccgccaagaa ttcaagagca ttttcaaaat tgatagattt 1260
tggtgcagtt ttgcaagttt ccgtggaagg ctgtctcccg cttctgggat ccacccccat 1320

gtcgggacca gatcggctgc agggagtcat gtttatgaaa tgttggtggt ttttttttt 1380
ttttcattca tactagaagt gtttttataa cgaaaatctg cactttacaa ctctgcaggc 1440
catgcatgca atggtgattt acagccttgt ttacgtgtaa ttcctccagg tgatttatcc 1500
caatttatgc aaagatccta ttttaaacag acacggagaa gtggtaaccg tttcctaaca 1560
gcagcaagaa tgccccttcc gtttgcctgg tgaaaagaac tgacattaac agcagcttgg 1620
aggcttcgag gaggtgggga cgtggcctga gctcgggacg ggggcccagt gcgggttgtc 1680
ggagcgtggc tgcccggcga tgtctctgta tttatcaata aatctcccgg ttgctctggg 1740
aaaaaaaaaa aaaaa 1755

<210> 933
<211> 690
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (687)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (690)
<223> n equals a,t,g, or c

<400> 933
tttccacgcg tccgcccacg cgtccgccca ngcgtccnng cagggcagag aatcccccca 60
attcctgcct gaaatctctg gcctcacccc tgctgggggt tggactgaaa accctcctcc 120
ccaatttggg gggtgttgcc ccatcactgc ccagctcctc tgactgcccc ccctgaattt 180
agggtggggg tactagtcac tgccaatgtg tgtatgggac ttgctggaaa acggggatgc 240
ttgcccctct ccaggactat tgagcccaga gagagctgtc ctctcattgg gtgaactgat 300
tgaggaaggg tctattgtct ttttaaatgg cacaatttta agggtttgag ggtacagtcc 360
cttaacctgc cacgggaggg ggcccccaaa ctttcttccc cccacacttc tggttttctg 420
tgtggagggg gagcagggat atctaagctg tggtgtgaaa gggtaggaga gatgctggag 480
gtgggggtgc tgtgttctag acccccccata ttatcccagt gtcccctgcc cccctcttcc 540
cccaccccat gcccccaatt ctgtggcgca tccagattgt gaaaatgtac aataaatgtg 600
taatgagtaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660

aaaaaaaaaa aaaaaaaaaa aaaaaanttn 690

<210> 934
<211> 1711
<212> DNA
<213> Homo sapiens

<400> 934
cgagatgtac cggtacagcg aggacgagga ctcggagggc gaagagaaga gcgatgggga 60
gttggtggtg ctcacagact gatcccggct gggtgggccy ggccccttct cctctgggga 120
agaccttgtc ccaactcgat gggcacagcc agccaaccta agactatgtt ggtacttgga 180
cttgttcgtg ccccagagat gggcaaagct gtgcacttgc agatacattc atgaggggag 240
aggcgccctc ccttcctgag gagctgttgg cctgggtggg caggaactgc agtatggyca 300
tgggctgagc aggctgagca cctcagcctt tagggcttat ggccagggga cactgtatga 360
ctctcctctc ctgcaggtgt ctatccacct ggggtatggc atctaccgac ctgtctccct 420
ggggtcacat gctttgtttc cattcttgtc ctggctggac cagccactgt gggaccaaca 480
cccctyccac actcccccag actgctcgtc tatcaccagg atcgctttgt actttgtgca 540
aaagggtctg gctgtccctt gctgttttca tctctgcaag cctattgtgc ctctggctgc 600
tgtatgtgtg cgcgtgcacg tgtgtgtgtt tcatctgktc attcactgca caagatattt 660
awtgagtgcc cactacgtgc caggcactgt tgctgagttc ctgtgggtgt gtctctcgat 720
gccactcctg cttctctggg ggcctctttc tgtgcttctc tttgtcccca aattgctacc 780
tctttgtcag tctgggtgtc tcaggttctg tgtgtccttg tgtgcatttc tgtctctctc 840
tgtcctcgtc tctctgcaag gccctctatt tctctctttc ttggtgtctg tcctttgccc 900
cctgtgccct ctggattctc tgggtctatg taggcccctg gtctgccctg gctcatcagc 960
cttcctgacc tcctcctgcc ctccccttca ctccctcctg ctctgcagtc ggttcccacg 1020
gagccatttt tagctctgat cagcatggga atgtgcctcg gcctccaagg ggctttgtcc 1080
tggtgccccc gcccctggtc ccaacctgat cccacgaggg agttgggaca ggaggattga 1140
tggtgctccc cttcctgcca gcgtcagarg ccctggagag gggctgtcca tggcagctgg 1200
tctttattcc tccctcatga gcacagggtc gggggggtcc ccattcttgg aagaggttga 1260
gaagactcct gggcttcagc ctctcccacc cagccctgcc cctcacctgc ctgccctccc 1320
ctcccccact ctatactagg gactggatct cagcctctga tcagtttcac aaagtttgtt 1380
ccctaaggaa atcaaatccc attgtcacct aactctgaag atctaaatag cccttggatc 1440
agtaygggaa ccccaaatyc cacagggcca gatgtggagt ctgtgtctgc ccccgtcttc 1500
tctccatcct caaagccccc acttctctcc aggctgtttc ttttttatg actgtaaaca 1560
tagatagtgc tttattttgt taataataag ataatgatga gtaacttaac cagcacattt 1620
ctcctgttta cactcggggg atttttttgt tttctgatga cataataaag acagatcatt 1680
tcaraaaaaa aaaaaaaaaa aaaaaaaaaa g 1711

<210> 935
<211> 870
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 935
tgaatctttc attcttacct gaataatttc acactctcca ttactctngg tcctcctaag 60
gtctcctgtg gagagtgaat atttccatcg cacttacttg ctactttcaa tgttctcaat 120

gtcctattgg actcactagg gcttagctct gtggttgaca catagrtatg cagmttttca 180
aatgtctgga atgtgttact ctactacatg ttttttgaaa tggaaacaga tggaatgact 240
ggctactgta ataatactac agcagctcca taatgcatga aatcctaaaa agtatgtaat 300
attataagta tcttttcaat acaggtttca ttgctattat tcatcagttt ccgtttagat 360
tacctgttcc gatttaataa cctttgataa atttgaaaaa tttgtctttc aaacagagcc 420
tgttagtatt aatgaagaaa atgagggatt tgaacataac acacaagtta gaaatcaagg 480
aattatagct ttgagttacc gtgactggga ggtaaagctc tgcctgttgc ccctgcatag 540
ttctgactct gccttcactt gcagtaagcc cagtgcctaa atgttcatta ttgtctgcca 600
ggagattgtg aagacctttg agatttcaga gcctgtgatt actccaagtc agaggcagca 660
gaagccaagt gcttgatgct agctgaagga ctcaaatgga tagtgaagtc caaaacggaa 720
agcggcatgt attgtacata ttgtatgatt caacattttt aaaggcagat tgtttttagt 780
aaaatgtagc ttttgatagt taataaattt gtcatggttg tctttgatta aaggaaactc 840
accgccatat tcacaaaaaa aaaaaaaaaa 870

<210> 936
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<400> 936
aagggaatct taaatgggaa attcgtcant gccctaccgg tccggaattc ccgggtcgac 60
ccacgcgtcc tagtttcaat kaactcgaat gcggctgagt gcctgagagc acctgttgct 120
gtgggtatca tcaccgtgtg tgttttctgt cttctcatcc acttttcttt gtgcagtctg 180
cacacacacc attaaaggct gatgacagca tttttacgaa ttgcaaacag aggccagcgc 240
ggtggctccc agcactttgg gaggccgagg cgggtggatc acgaggtcag gagttcgaga 300
acagcctggc caagatggtg aagccccgtc tctactgaaa atgcaaagat tagctgggtg 360
tggtggcatg ccccctgtgg tcccagctac tcaggaggct gangcagaga attgcttaaa 420
aacccgggag gtggaagttg cag 443

<210> 937
<211> 490
<212> DNA
<213> Homo sapiens

<400> 937
agctggagag gaagggatga aaccagctgc tgttgcaaag gcwgcttgtc attgatagaa 60
ggactcacgg gcttggattg attaagacta aacatggagt tggcaaactt tcttcaagta 120
ttgagttctg ttcaatgcat tggacatgtg atttaaggga aaagtgtgaa tgcttataga 180
tgatgaaaac ctggtgggct gcagagccca gtttagaaga agtgagttgg gggttgggga 240
cagatttggt ggtggtattt cccaactgtt tcctccccta aattcagagg aatgcagcta 300
tgccagaagc cagagaagag ccactcgtag cttctgcttt ggggacaact ggtcagttga 360

aagtcccagg agttcctttg tggctttctg tatacttttg cctggttaaa gtctgtggct 420
waaaaatagt cgaacctttc ttgagaactc tgtaacaaag tatgtttttg attaaaagag 480
aaagccaact 490

<210> 938
<211> 1165
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<400> 938
gacagtcacn gtacngnaat tcnggccagt ncgacgctgc aaggggacg cgggtcggac 60
gcgtccggct gtggaagaga gcggcggccg ctcacaacat gcacagcctg gcgacggctg 120
cgcctgtgcc tactacactg gcacaagtgg atagagaaaa gatctatcag tggatcaatg 180
agctgtccag tcctgagact agggaaaatg ctttgctgga gctaagtaag aagcgagaat 240
ctgttcctga ccttgcaccc atgctgtggc attcatttgg tactattgca gcacttttac 300
aggaaattgt aaatatttat ccatctatca acccacccac cttgacagca caccagtcta 360
acagagtttg caatgctctg gcattactgc aatgtgtagc atcacatcca gaaaccaggt 420
cagcgtttct cgcagcacac atcccacttt ttttgtaccc ctttttgcac actgtcagca 480
aaacacgtcc ctttgagtat ctccggctca ccagccttgg agttattggg gccctggtga 540
aaacagatga acaagaagta atcaactttt tattaacaac agaaattatc cctttatgtt 600
tgcgaattat ggaatctgga agtgaacttt ctaaaacagt tgccacattc atcctccaga 660
agatcttgtt agatgacact ggtttggctt atatatgtca gacgtatgag cgtttctccc 720
atgttgccat gatcttgggt aagatggtcc tgcagctatc caaagagcct tctgcccgtc 780
tgctgaagca tgtagtgaga tgttaccttc gactttcaga taaccccagg ttttcagatt 840
tgactttctg ctggtcatct tttcaaagaa aatgaaacgt ttaaaagttc atctgataat 900
actgctacca tagttttgtt ttcactgctc atctcttatt aaggttttta accataaaac 960

tgaagcaatt tctgtaaaga cacaaattga taacttagta tagaattaaa attcattaag 1020
ttatcataag tttgatgata tccttgttaa tgtactgatt tttgaattat tttatttgcc 1080
ataatccata tatttctaac atgagtattt tgacagtatt taataaatca gaaagctgtt 1140
tgaatggaag taaaaaaaaa aaaaa 1165

<210> 939
<211> 448
<212> DNA
<213> Homo sapiens

<400> 939
tccgtctcct agtgtccgga atcggctgtc agctccctgg ctgttagtac cttctttccc 60
ggagtcctgg tccacgagtt ggatttactg ctgtcgcggg tgggcctcac gccattccct 120
gtccctcggc cccctgagtg agtccggtct cccggcgaaa gtgagcgagg tttgcccgga 180
gcgcgcacga ggggaaaatg cctaaaaaaa agactggtgc gaggaagaag gctgagaacc 240
gccgagaacg tgaaaaacaa ctaagagcat caagaagcac tatagattta gctaaacatc 300
catgtaatgc ctcaatggta tcagcttttt ttgatatcag ttggtagttg gaaaaactat 360
atactatttt atctgacgta tacctgaata aaattttagt gaagacagtg ttttttggca 420
ttatagtttg ttggtgaatt tagtatct 448

<210> 940
<211> 932
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (897)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (929)
<223> n equals a,t,g, or c

<400> 940
gagagtattc agcacaataa tgttcttaaa cccatcaacc tactttcaca gcaaatgaag 60
ccaggcatga aaagacaaag gagtttatac agagaaatcc tcttcttatc attagtgtct 120
ctaggaagag agaatattga tattgaggca tttgacaatg aatatggaat tgcatacaat 180
agtctgtctt cagagattct tgaaaggttg cagaaaattg atgctccacc aagtgccagt 240
gtcgagtggt gcaggaagtg ttttggagcg cctctcattt aaatagagat tcactagaat 300
gttgacacac aaggcttggg gattagattt catctggaaa cattcaagtt ttttttcca 360
aatcgtaaga actggtgaat acggaattga agtaactctt ggggacaata tataatgaat 420
tatgattcat attgcattac cttgaaatat gaagtgccat ttgaatgtcc cagggcttat 480
taatattgaa gattttcaac ccctgaactg cttttctgcc tctgtggaaa actactttgg 540
gattcttcag tatttgtagt agtttgatag aaataatgag gaaccatatt cattctaggc 600
attgtttata tttgaagtta ctgagtttga ggaatggcaa attaaatttg cctaaccccc 660
aaaacaaatg aaatatctca attataaaag caacatggcc gggcacggtg gctcaggcct 720
gttaatccca gcactttggg aggctgagca aggtgggtgg atcacttgag gccaggagtt 780
cgagaccagc ctggccaaca cggtgagacc ctgtctttac taaaaataca aaaattagcc 840
aggcgcacca ctgtagtccc agctacttca ggctgaggca ggagaatcgc ttgaacngag 900

gcagaggtta catggagtgg tgatcacgnc at 932

<210> 941
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (640)
<223> n equals a,t,g, or c

<400> 941
gtggcacatg aaatttctca gatcactaat gatcttgcac agattattat tcctaaagat 60
aactcatctc tcttgaaaag gttggcatgt atagctgcat ttttttgtgg actcctcatc 120
ttatcatcca ttcaagataa atcaaaacat taggttccaa aaattctaaa aaacctaaac 180
tcttcaggct acctttgtgt gtctctagaa gagaaaagca tctatctgga gatataaatg 240
tgtatgtaaa tataaacgtt tgtggcaaga ggacagttct gtgacatctg ttgaacatat 300
gtggttgtat atattggaaa tgtacatatc caatatgaaa tactaaraca aacaaacaam 360
caaaaaacca gaatgcattg tataggattg catgtgaagt cttttctact gaatctatat 420
ttccatttgt aagtgatttt aagttaacat atgaaggcag ggaaatgatt acctttccag 480
taaaaagtat agataattta attaacttag tgacaccacc aagtgttttg aatataacta 540
aatttgtggt aataagactg tctgcacctg tattcattgt ggaacttcct ctttcmttgg 600
aaactttctt actcaagaat gacggcagta ttgttttctn atatgtgcca atgaaagtgg 660
gatgataaac agtatgcctt taatttataa tgtgtccttg ttcctgaatg ttgtttcctg 720
gaaatgaatt ttcct 735

<210> 942
<211> 858
<212> DNA
<213> Homo sapiens

<400> 942
ggcacgagtg cgtctccagc gtctccagcc gtagtctgaa gggagcaggg tggcgactct 60
ggtgacaggg cgatgccagt ccctccactc cagaggagaa cgaaaccacg acaaccagcg 120
ccttcaccat ccaggagtac tttgccaagc ggatggcagc actgaagaac aagccccagg 180
ttccagttcc agggtctgac atttctgaga cgcaggtgga acgtaaaagg gggaagaaaa 240
gaaataaaga ggccacaggt aaagatgtgg aaagttacct ccagcctaag gccaagaggc 300
acacggaggg aaagcccgag agggccgagg cccagcgagc gagtggccaa gaagaagagc 360
gcgccagcag aagagcagct cagaggcccc tgctgggacc agagttccaa ggcctctgct 420
caggatgcag gggaccatgt gcagccgcct gagggccggg acttcaccct gaagcccaaa 480
aagaggagag ggaagaaaaa gctgcaaaaa ccagtagaga tagcagagga cgctacacta 540
gaagaaacgc tagtgaaaaa gaagaagaag aaagattcca aatgaatcct tcccagccgg 600
ggccttccga ccactcagct gtcagggcac tgcgggggca gacacctctg gcctgaagtc 660
acagcagagt tcaccccaga gcgcctgggc gcatcttgtg gcatgcccat gggctgccga 720
gtcctgccct ctcgccacat ttcccccaag ttacattccc aggaggacct ttttaatgtt 780
ctcaatcgtg gctctcagac acaaataaat ttttttgtaa actctgaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaa 858

<210> 943
<211> 1345

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (773)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (968)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1339)
<223> n equals a,t,g, or c

<400> 943
cccgtccaca atgcagcaga ctcttcccaa ggccacctag caagcaaggt tgatcggatc 60
atctaaactg gccgcctcct gaatatttca ctgaatcctg gcgttcatgt tgaagcagac 120
aaaatgagaa aggaggaggg cattgctcac ctctcaatag ctttttttcgt tcaagttcta 180
tgtctttatc agctcttgcc tgtgatttta ccccaattca accttgggag tgggaagaat 240
atgaacagat aacccttggc ctaacagctc catcaaacct ccttgagagc aactacctag 300
gccaggctag tgagtgcttt gtgaggaagc tggtcagaag gttccctcaa ctccttcctg 360
gtcctcctgg acactgcaga aaagacttag gggatcccca gcagaggcca attgctctcc 420

ttccttccct gccccaccag gaaaggaata acgtccacag acttgaagca gatagtgaag 480
tagatctgtg agaggttcta ggtacttagt gtgtagactt tgacgaatat ttctcaagtt 540
gggagcccтt gttaaaaatg atgtttaagg gagtggttgg ggggaagatg aaggcatgga 600
ggaggaagaa gagaaggaag cccttgccat ataaaattca tgcagactaa acagtttccc 660
tgacagaata aataaagtgg atgctacccc actccagaat caaaagcaat ttaattaaag 720
tctcttaagt tgtaaagagt tttaaatgat ccgtgttgaa ggcgaatsct gcnaaatgca 780
gtgggtctga cgtcagctgc cgggcctggg ctgggaggcc atttgctatt ctgtttaagg 840
caggctggat tgtcttattt tggaaccagc ttggtggggg gtttgctttg ctactgcttc 900
tgagccctga gcttcaaagg ctgaaattaa tggtgaacaa aattgtgcgg ctctggccat 960
cccatgcngg gcaagcccat tgagggttat cattaagtaa agaaataaag agggggaaaa 1020
aagcctgcct gttccaaaaa cctcatcaga taatgacctc agtgattggg ttttcattac 1080
caaacagcat ccagagatta tcaacccata gaagaaggga ggggaaaaaa aaraaaraaa 1140
ggaaaagcaa ctgnctttct ctcctctctt tctccttttt tttgcacatc ttttctttaa 1200
aactgncaga tcatttcaag tatttcaaat ccgaggaaaa cagcctggct gctgctggat 1260
ttgaagtgga atgggggcaa aaagcccact ggctgacanc cgcagtccca aagggnttat 1320
tnaatcttaa aacttgccng gaata 1345

<210> 944
<211> 1829
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (918)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1411)
<223> n equals a,t,g, or c

<400> 944
gaattcggca cgagatttat tattatttaa ctcctgcagt gagcaaatgt gagtaacatt 60
tgaatgaaaa taaattttca gcttatttac atgaggtaat aaacttgact ttatcaagta 120
attgtgggag tggggaataa acctcatctg gggatgggaa ataaacacca ctataaagaa 180
accactaaga tttgaatgcc ttgcttgttt taagtttgtt gatgcaggta ttgcattgat 240
tatgcatcag ggaactggaa accaaggcat tcgttctttt aagaaaatag attcttaagc 300
ataggagtct catgttttaa gaactatttc taagttcaac taagatcgag tttttctgtc 360
tctattggca aktwtyaaga ggcataaact ttaaagaaaa agggaaaatg tgataaatta 420
atggaataga ctccataggc ttttattcca acttttatat gatgcaagtc tatgtgcttc 480
tgtctgactc acttatttct gtwatcaaga tgaactagtg aagggaattt ctctctcaat 540
gctaaattaa ttacatgcat tggggatagt catccagaga gagggaaggt gaccttctga 600
ngttgtcacy cagwaaataa ttgcctgagc tgagaatggc atgtgggtca cagaattggt 660
gtttctggat ttaggaaata cttcctattt tttttccact cctgctggct aagccaagaa 720
tggcaaatat gtgttcatgc tgctgcattc ccttccaggc ccataaggac gttggcaatc 780

cttcatagcc ttctcacagg cggaacctgg attaatttaa gaacccttt gtgcctggct 840
tttcaggaag ccagtaccaa tcaattggtg ctggcatgaa gcatgaaact atttgccatc 900
tctgagttat gccagtanaa ttggcatgct tctggtttcc atgcatacca ctacctttca 960
tgggttttat tgtgcacaaa ctttgcatgc ctttagaatg atatacctac gcaggtatat 1020
aatttgtcac cctgatccaa aaagggkaag awgccmagac catagtgagc ctcttattag 1080
aaagctcttg gcttcagttt ttgacacttc cctgactctt tatattcacg ttatcataag 1140
ctgccaaatt cttgactcta taaattgccc tttaacagct tattaggaat tccaactact 1200
gtattctagc accaactaca gcatattcag agcctctgca attcctaaaa gtacacttaa 1260
accaaataca tgggccagcc tgcatctttt aaaatacatt ttatgccttt acacttcgta 1320
ttaagttggg tgagaattat gttttaatct acactctatc ttgaattgtc ttacatttta 1380
ttctgcttac cagggttcar gttcttatcc naaaatgaag ttaaaatttt ttctcttaga 1440
tagttgcatt ccckgaagca attaraacag catgatcccc ttggtgttta ttgacattct 1500
catcattgtc tcattgggct ttaggtttaa catgcctcat gatgacaaca acaaatgtaa 1560
agaagaagga gttaagagtc cccagcatgt catggctcca acactgaact tctacaccaa 1620
cccctggatg tggtcaaagt gtagtcgaaa atatatcact gagtttttag agtaagactt 1680
gaacattctt ttagcacaaa cttctagtgc ctggcctaca tgtagtgaac taattgtggg 1740
aaagacaata tgaagtcaaa cattcctttt gagttatttt tgttgacatt ccttggagaa 1800
ggcaaaaaaa aaaaaaaaaa aaaactcga 1829

<210> 945
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<400> 945
aaaaaaaaaa aaatgaaaga aacttgccct tttactttat atattcccat agtcacacac 60
ctagacctct gtttggccag attaccagat atgtatgcaa agagaatttg tagtgaaaac 120
tgtcgagtca tattcaaatc ctttctgtaa tgaaaagctt tttcctaaaa tctgttggaa 180
attgctcatt ggttaactac ttctgtaaaa gtatttggtt gaaattccag agttttatga 240
ggtgarggat aaaaagrtgg ctcaaggcct actaaagtca acctgcatca ttagtccctt 300
tcagaagaca rgracckggg ttwtgggaaa gattccngtt tkctgratct gctatkagtt 360
tctgctgcct cacttggcca acaatttt 388

<210> 946
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<400> 946
cctcactnaa nggaacaaaa gctggngctc caccgcggtg gcggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agcggccgcc tccatgaagc ggaaaagcga 120
gcggcggtcg agctgggccg ccgcgccccc ctgctcgcgg cgctgctcgt cgacctcgcc 180
gggtgtgaag aagatccgca gctccacgca gcaagacccg cgccgccggg acccccagga 240
cgacgtgtac ctggacatca ccgatcgcct ttgttttgcc attctctaca gcagaccaaa 300
gagtgcatca aatgtacatt atttcagcat agataatgaa cttgaatatg agaacttcta 360
cgcagatttt ggaccactca atctggcaat ggtttacaga tattgttgca agatcaataa 420
gaaattaaag tccattacaa tgttaaggaa gaaaattgtt cattttactg gctctgatca 480
gagaaaacaa gcaaatgctg ccttccttgt tggatgctac atggttatat atttggggag 540
aaccccagaa gaagcatata gaatattaat ctttggagag acatcctata ttcctttcag 600
agatgctgcc tatggmangt gcamtyctac atwaccc 637

<210> 947
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (746)
<223> n equals a,t,g, or c

<400> 947
ccacagtcgc agccccggcg ccccgaagcg ggaaaaaggc tgggtgccgc cgtcccccag 60
ctgcgcaacc ctaggaactc tcggcaaaaa aaagagcatg aggaatttga agactgagag 120
atgagttgtg tagcaccaac attttctttc tgcctgacct tcatacctga tgaattaaaa 180
gcataggatg tttggaagag tgagataagg gacacattga aaacagagag gcaatctgaa 240
ggctaccttg acgcatctgc aaagctccca gattctgact ttcacaagac ttgctttctg 300
tttctgggcc tcgcctaaac agactgccag tcatccgaac cgtggcagga tggagatgtt 360
tgtgtaaggt agactcaagt ttgcaagact caagaaggaa accaccaaac taatttwact 420
ttcacttaaa ccagattgaa accaagactt gaagaattaa aaactttgac attaaccatt 480
gattcactcc aatgaaataa ttgtgttata gccagaatca tggtgaaatt ggaacaaggc 540
ttttgatggg atttttaatt gagggactta tattaaattg gatattttct ttaatgaaca 600
gcatgtggcc aaaattctat tttcattaaa gtatattaag catcatgaca actcatatta 660
aacctgcaac aaatgattaa tgacatttag agacttcaaa tgtcatgaga caccttaaat 720
attaagaatc aaaaagaaca cctcanagtt gtg 753

<210> 948

<211> 912
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (757)
<223> n equals a,t,g, or c

<400> 948
gctcgtgccg aattcggcac gaggttagtt gccgaaatat actagttctc tgagggttaa 60
agaagtaaaa tacctttta aagttaaata tcactagaaa aatcagtgtt attacaaggg 120
aagaaatgaa cccagtttaa gaatttgcca tcagtagcag tattaagcag tggttaatgt 180
cttaraagtc agacttcttt ttcaaggtct tcagaaccac acttgatttc tgttttgttg 240
cagctgtaat tgacacacac taggcagctg actccttgaa tatccagtgt gacccataaa 300
atagtctgtt aataccggat cttaattttt atgttattca ttaagatttt aactatattc 360
agtacgtaat ttggagacaa actagcatca tcaaaactgc ctgtaaataa ggtgtttagt 420
ctttctataa aaacagaata gagcagttac ctaccagtta aaatatctta tatgaagaaa 480
atagaataaa gatccagtca tatatgtaaa taagatgtac tgattgtacg taaatgaaaa 540
atggaccctt taaaaattat ttttacctga agcttgtcat aatttttta aagcaaatat 600
atatatggtg atggtacttt tcaaagtgtg tattagtggt gatcacctca aacataaacc 660
tctgttgtga atcatttgtg tccttttcaa ctgtctttca gaggaaaggt aaaaaatcat 720
taaacctgaa attcattgtt aaaatcaaat atttgtnagc agtaactcaa gctcatggtt 780
ctcaagcaga aaaaggtttg ggargactta aaaatggagt ccaggttgta catgggagac 840
tgcttaactc ccttggggta ggcatgggcc ttgccttcag caaaccagtg catttcccca 900
tgtcttagtt tc 912

<210> 949
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<400> 949
gcagtgagcc gagatttcac cagtgcactc cagcctgggt gacagagcaa gactccatct 60
caaaaaaaaa ataaataaaa aaaaatgcag ctgcaggagt gaggcgcttg gaggtacctt 120
gacccaaaga gcagggcaga gggtggcagt ggcacatagg caagtgtctt tgcatgacat 180
cttctcagag cttcacaata atgtcaggga ccacatttaa tgctttttaa tctcccatag 240
tgcctggctc acaggaagtg ctcagatatg ttaagtaata aaaagttaat gtggtgggtg 300
cagtggctca cgcctgtaat cccagcactt tgggaggctg aggtgagtgg attacaaggt 360
caggagttcc agaccagcct ggctaatatg gngaaacctc ggctntacta aaaatnccaa 420
aattactggc atggnggtgc 440

<210> 950
<211> 1006
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 950
attttcaaaa ggaaactaat ttatttttct ataaaatatc gcaaaggaat cgaatacatt 60
tttattctat gtaaataata atataatttt cacatttagg aggcaatagc aaatctggga 120
agcagttatt ctaagttgga agagcattat cccaatgcat tgaaaacatt tgatgactat 180
tttttatgtc ttctttattt tgatgattat aataatgttc taactgggtg gccttcgttt 240
ttcactctag tcagtccatc ttgtttacta tgtcaattgt tctccaaaaa gtagaaatgt 300
cattgttttg gggccataka acatttcaga agctttccag tatctatgca gtaacagtcc 360
aaacccctca acataacaca tttacacctg caagtatggc cccaaatntt caagtggctt 420
ctgtcactac tccatagtac ataccctttg ttacagctgt ttcacaaata caggttgaat 480
atcccttatc taaaatgttt gggactamaa gtttcagatt tcagatatgt ttggattttg 540
gaatatttgt acatgtataa tgagrtactc ttagagttgg gacccaagtc taaacaaaat 600
tcatttatgt ttcatatata ccttatacac ataacctgaa ggtaatttat ttttcccttg 660
ggaacactga atagactata tgttgtgcac ctacattttg actgtgacct atcacatgaa 720
gtcaggtgtg gaattttcca tttgtggcat catgtcagta ctcaaaaagt tttggatttt 780
ggattttgaa ttttcagatt agagatgctc agcctaatag caaatgttcc catgttatac 840
acctcaacct cccattccca ttggctggaa catctctgct tatattaaat gtcttttatg 900
tgaaatctgt gttctcatag ccttttgtat agttctctac catctcatgg ctcacattgt 960
attgtactta tttgattmaa tatctggatc atctactgtg aaaaaa 1006

<210> 951
<211> 1302
<212> DNA
<213> Homo sapiens

<400> 951
aaagaaccaa tgcaagtttg gtttctatcc agaaaaaata caggaacaga ggaaacaaag 60
caggatgatg actgaatctt ggattatggg gtgaagagga gtacagacta ggttccagtt 120
ttctcctaac acgtgccaag cccaggagca gttcttccct atggatacag attttctttt 180
gtccttgtcc attaccccaa gactttcttc tagatatatc tctcactatc cgttattcaa 240
ccttagctct gctttctatt acttttagg ctttagtata ttatctaaag tttggctttt 300

gatgtggatg atgtgagctt catgtgtctt aaaatctact acaagcatta cctaacatgg 360
tgatctgcaa gtagtaggca cccaataaat atttgttgaa tttagttaaa tgaaactgaa 420
cagtgtttgg ccatgtgtat atttatatca tgtttaccaa atctgtttag tgttccacat 480
atatgtatat gtatatttta atgactataa tgtaataaag tttatatcat gttggtgtat 540
atcattatag aaatcatttt ctaaaggagt gaattctaag ttttagggga aaaaatgcaa 600
tttatttca gactcccaaa gtaagaatta acatatcatg ctaagaaaat agtgactatt 660
ttgaagtatg ctacttccct ttcagaaata tagaatacac gtttctgtta ttaaagtatt 720
tgattactaa ttcaaatcat atggcaatta taattcttct aaaatgctat catttgtaac 780
tgtatcccct gtattaaatc tcattaacca caggcagctg ttacagaaag ctgcattgtt 840
tcacattgag ctgttacatt agttcaggct aaatgttggg mgctccaacc acatccaaga 900
ataaatctgg aaacacactg ctgggatact gctgttagag cccttcttgg ccttgtattc 960
ccagaaatga gctccctttc cttagcttag aagaatgtga ttatatccag gacatcatgt 1020
tcagaaaact tagtttactt tcagcataga atgcattact gttggaataa ttggcctcta 1080
gctcttaaat gtctctgata acttattaat atctatcttt ataaaataga gtgcaactac 1140
ttttgtgtaa aaatgtttgc ctttaaattt agtatttcat atcagcacat cgatatatgt 1200
ataaatgttc catgttaatg tgtaaaagag tctgtaataa attatttttt tcacgtgtct 1260
ctatacagtt tttatttcma taaaaatatt aacattaaaa aa 1302

<210> 952
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 952
ctgtaacctt ttcacgcgct atctgctaaa aatgttgccg atgtgaagta aacatggatg 60
tagtnacctg acgtgccagg cgaggagtga gtgtgaaagc gragaagsag gaaactgccg 120
cgaccatgaa agackttgcc ctcaaggsaa aagtctctac agcgaccgtc tcccgagcat 180
taatgaatcc cgataaagtc tcccaggcca cccgtaatcg ggttgaaaaa gcggcccggg 240
aagtgggtta tttaccgcag cctatggggc gcaacgtcaa gcgtaatgaa tcccgcacca 300
ttctggtgat tgtcccggat atctgcgatc ccttctttag cgaaattatt cgcggtatcg 360
aagttacggc ggcaaatcac ggatatctgg tgntgattgg cgactgtgcg catcaaaatc 420

agcaggaaaa aacctttatc gntttgatca tcaccaagca aattgattgg n 471

<210> 953
<211> 918
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (862)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (871)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (881)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (903)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (916)
<223> n equals a,t,g, or c

<400> 953
cggcacgcgt gggcctactt tcacgcttcc tcccctcccc ctcctccctt atcccttcgc 60
tttcgctctt ttccgtcgag gccgacccct gagttgtgag tctggggtct ggttggtgaa 120
aaagagccct tgaagctgga agacgggaga ggacaaaagc atgtcttccc ttcctgggtg 180
cattggtttg gatgcagcaa cagctacagt ggagtctgaa gagattgcag agctgcaaca 240
ggcagtggtt gaggaactgg gtatctctat ggaggaactt cggcatttca tcgatgagga 300
actggagaag atggattgtg tacagcaacg caagaagcag ctagcagagt tagagacatg 360
ggtaatacag aaagaatctg aggtggctca cgttgaccaa ctctttgatg atgcatccag 420
ggcagtgact aattgtgagt ctttggtgaa ggacttctac tccaagctgg gactacaata 480
ccgggacagt agctctgagg acgaatcttc ccggcctaca gaaataattg agattcctga 540
tgaagatgat gatgtcctca gtattgattc aggtgatgct gggagcagaa ctccaaaaga 600
ccagaagctc cgtgaagcta tggctgcctt aagaaagtca gctcaagatg ttcagaagtt 660
catggatgct gtcaacaaga agagcagttc ccaggatctg cataaaggaa ccttgagtca 720
gatgtctgga gaactaagca aagatggtga cctgatagtc agcatgcgaa ttctgggcaa 780
gaagagaact aagacttggc acaaaggccc cttattgcca tycagacagt tggaccaagg 840
aagcacgcaa gcgccggtga anagcgcctt ncaggcccaa naaaggaagg agaatcattt 900
aangactttt attccnaa 918

<210> 954

<211> 1683
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1604)
<223> n equals a,t,g, or c

<400> 954
cgctnttccc ccccacaccc gtgtggccag ggatccccgc atggcccatc ttagaaactc 60
aactatttgg tggatgctaa acacttcact tcaggcaatc ccaaggcatt tgctccaggg 120
tatccgatga gattacagct gttaagcttg ctttccattt cataacttgc tgtgcagcta 180
gttaccaccc ccatgctgaa gagtaaagca aagtgccgtg gttcggcagt ggaatccacc 240
cccagcactc tgctcgcact ggagcgttca agtccggtta tgtgagaaca gactaggact 300
ctcttgctgc ctctaattgc atttcactgt caccctcccc agtnttctga tggtgtgcat 360
gtgaggagaa gatgaggtta ggactgagaa gtgcagaagt tggaacagtg gtaaggctgt 420
tttaaaataa gatgttttgt tttaataata tgctcctggc acaaagctag gagtaaatgt 480
gactccaaag ggagttcagt taatctctga aatgcacaaa acctagctat tttctccctc 540
tcatcacagt ctgagtctgg tccattgcta ccccaattct ctggggacat aaaaccaggc 600
tggaaaggga ccaggaagtt tgaaatagtg acatatcatc cactagtccc aagggctaag 660
gaatagtgag tttattctgg aaggaactgg gaagcttagt ctaattagtg cctggggatg 720
acctatgcaa tcacaccgct tatgaccatc ctagagaggg ccctgagcac cagcttgatc 780
ttagggattt ccaaagtaac ctgctttttg cctggatagg gttaaaatag acctttcttg 840
cctatccttg ccttaaccta tctgcctgag gttggcctga gattgtgagt caacgacttt 900
gctatctttt cctcagtgtt gaactttcat taagaaataa agtcctagct tcttacagag 960
aggggtccaa atggtgaatg ctcatcctgc ctggattcaa ggrattagct cagagrttgg 1020
cccctagctt ttctgccttt gtagggacag caaaagggga aaatttgctg cagaaaattc 1080
caaaagattg ctgtagctct cacagggaag tggtaaagat cagctaaacc tgggttgggg 1140
tgctttctgc ccagtgggtc ttggcataag tagattaatc ctgctctttt aagaaaaggc 1200
aacttattca ggcagtctgg aaaggggttt ctcagaaaac tcagtttctt tattccttct 1260
tttctcccaa ctactgttac tggttataga ggtctttgga ctctaaagac caatgtttgg 1320
ccactaactg gactaatatg tatctttctg tgatttcatc atagaggtct gttttgtgag 1380
ggtttggggt gcagaaaact ttgattaaat cttaatggga ggctgggtga cctggattat 1440
ctacagtgag cagacttaaa tggaacagaa gtttatgtgt ccaaatgatg gaatcattaa 1500
acctgagtga cttgacctgt gtggttcctt aatagtatct atatatctag acaaaaatag 1560
attgtgaatg taaatggtga atgaaaagga tggaaataat gttntcatat gttaatccat 1620
gagcttgaat ccagggagga atacctcggt gctttaacca ccttagttat aacacatttc 1680
tta 1683

<210> 955

<211> 119
<212> DNA
<213> Homo sapiens

<400> 955
acctcctcgc cctgggctgc cccgcctggg tctgggggac ctgaacctcc tcgmcctggg 60
ctgccccgac tgggtctggg ggacctgaat ctcctcaccc tgggctgccc cagctgggt 119

<210> 956
<211> 351
<212> DNA
<213> Homo sapiens

<400> 956
aaaactctgt aggctgatta atgaagatgt gaatgagcag gttatgcagg tattaggacc 60
tgaagacctc cagagcatta tctacaaatt sgaagaacac gaggaatttt tcccagcatt 120
tcaggcattt actaatgatc tacttgaaat cttagaaatt gatgacytgg atgccattgt 180
acctgcagta aagaaattaa aagtactttc atactgaaaa caaatcaaat catttttact 240
gtgtaaattg tattcttaac attttgtatt ttgtaggatt gatcttattt tgagacaagg 300
gttgtaaaat gtatttgctc tcagaattca tccccttctt agtattaggt c 351

<210> 957
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<400> 957
aattcggcac gagcttacca aaagtatcta atggcccaat gccttcaaac caagtttttt 60
caattactat attttaagtt atacattcaa gttaaaatat acctaggaca ttctgattat 120
agcctaggct ttagttctat ccagagaaca agaaaaactt tttgaaaaag gtaaggaatc 180
gatcccatac ctgatcagga cccataggca tgccagacat gggcatgggg ttcatgttca 240
tctgtcccat gtgaccactg ctgccattca tgtgcaccat actatacact gcaggattnc 300
cctggtgggc aaacttgctg ctggggaaag gagtttaagt aaacaaatgg tatattacct 360
ntggagcact tagng 375

<210> 958

<211> 557
<212> DNA
<213> Homo sapiens

<400> 958
cagcagacaa gaatgagatt ttgttttctg aattcaacat caactataat aatgagctgc 60
cgatgtatag gaaagggact gtgttgatat ggcagaaggt ggatgaagtg atgacaaaag 120
aaattaagct gccaacagaa atggaaggaa aaaagatggc agtgacccgg accaggacaa 180
agccagtgcc cttgcactgc gatatcatcg gggatgcttt ctggaaggaa catccagaga 240
ttctagatga agacagctga ccctttgcg cttcagttct ggtgtgctta accatgcaag 300
ccctcccacc tcccagggct ccttgcctta ggtggctgta gcatccctac cacccaggac 360
actggtgcga atgacacaac tcaagttggg aggggaacag ggaaggaagg gatggatggg 420
ggtggtgtat cttactctgt ttaagcagaa caccttgttt gcggtgttgg aacatggttc 480
ctttggcaga agtgcttttt ttttaatcgc agtactattt ttataaagcm agaactattc 540
catgccctgg gggatga 557

<210> 959
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<400> 959
ggcacaggaa tgacttcaaa ggggtgtgag ccaggcctct tcccacacca gacttcatga 60
accatgcctg gtattgtgca tgtttttgtg agcagccgtg aatagggctg ggggagagag 120
atgttcagcc aagaaagtct aaaatagaaa gggaatgttc agttataaca aaacaaattt 180
ttgtaattag agtgctgggt tgtgctcagc atcattgggg ttaaatgtgg agcagtggct 240
tacacttgta atcccagcac tttggggaaa ctgnggtggg gcggatccct tgaggtccag 300
gagttcgagg ccaccctggg gcaacatggt ggaactccca tcttct 346

<210> 960
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (750)
<223> n equals a,t,g, or c

<400> 960
gntnaaatcc ctncccaagg tatgtaatca gaatcccatc atgaggcaca cccaaatgag 60
ggacattcta caaaataact accttgcaat cttcatagag tgaagattat gaaagtcaag 120
gaataatgag gaactgttcc agactgaggg aaagaaaata tttgacaagc agatggtatt 180
cgtgcttctg aactgaattc ttttgctcta ataaaagaca ttttgggcac agttttctga 240
ttctgatgaw tgkawtgkga wtatgtaaga gaawgtagga aaagkattca ggggtagtgt 300
gggacaggtc agcaactcac tctgaaatgg ttcaggaaaa tcagttcttt atgctgtatt 360
ttcaatcctt gtataaattc gtgtttgttt caaagattaa aaaaagarar aaaatggagg 420
ggaaaatacc tggtaggcaa atgaacaaaa gacatgaata ggcaattcat ttaaaaatta 480
aaataggtct taaaatattt aaaaaaattc agcatcactg ataattagag aaatgcaaat 540
taaaactgca atgaaatatt ctcatctgtc atgagaaggt tgtggctgag ttaagagatt 600
ggcaaatccc cacccaccct gcccaaaagc aactgtaaat gccattctgt aaacaaaagg 660
aatcaaggaa cccttggtga tgtgactgat ttcagactgg ggcagataaa gtacaagctg 720
actcagaaaa gtgaagttgt gccagaaggn taaggaagtg gctcaaaaaa tgaa 774

<210> 961
<211> 901
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (774)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (831)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (867)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (888)
<223> n equals a,t,g, or c

<400> 961
ggcacgagct tagtaccaaa tcctctgttt gggattgagc gctgctcctg gttaatcatt 60
cctactacaa aaaaaaataa ctcccagggc tagttaaatt gtaaaccaag gctcagcagt 120

ctcacaacac atggaccaga ggtgacacac agccatttcc tttgccatgt ggcccagttg 180
ctgctgccat gcctccattt ccacactgga tgcctacggc agtgagattt cactgccggg 240
gtaagagttc agcctggatg attttatagc tctgttccta gcacttctca tcatccttcc 300
agcccagaat cagcggtcat tctgcatatt cccaccaacc ctctaccccc aaacacttca 360
gtgtacctca ttttaagagt tgctgatccc tgattctagg acgtttttac ccatagttct 420
tgtctttcca aaatctgaaa ttctttttt tgctcagaac tgggtagcca agggttattt 480
tatttttatc tttaaaataa tcaaggcagt cgctagagtt tctccttgtg aatagatcac 540
tctagcattt taatgaaaaa gaaaaaaatc tttctggggt atgttgtatc atagtaatgg 600
ctcagtaacc acatattttg tcctttccat gtcactgatt ccttcatatg agactatttg 660
gcttgactac cctgtatatt gtgtagaaat caaagttctt atctgtacat ttctggtcca 720
atacctgtct tattagttgt ccttccccac taaagtttgc aaaacagaaa atgntactat 780
ttctgggtat ttaatgacaa tgaaaggttt gggtcatatt tcatagtgca ntaaccgata 840
aggaggggggg ctcaaggttg cttttgnggt tcttctaagc tttggtcntg gattttaaga 900
c 901

<210> 962
<211> 1452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<400> 962
canggnggaa gcttaagacc aacttttgtt tgagtacaca agtgatattt acattttcat 60
atactagtga tatgcctgtt gcatacttgg caaaataaaa ctgagattcc gtctcaaaaa 120
aaaaaagaaa aggaaaaaaa aatagcatta tacctcttcc ttgtctcaac cgccatgaaa 180
attctgaaca ctccaaattc agttgaataa tccaaaacaa aatttataag tataaaataa 240
ttttacttct tatagtaata gtatacttta aaaagcctca gggtatatta tcttctaaac 300
agctacaatt cagtgcagct acattaacca actatgttct ctagttgaga acaactaggc 360
ctatttcact gctgtgtagc ctcagtgcct aacatgggtg ccaaataaat attcgtagaa 420
ttacactgaa ttgtaaaaac cattcgtttt tgtttacaat tgccaaaaat ctcaaaaggc 480
cctgtattta tgtaattctt tgaaattatt attttatttt gatttctcag ttattgactg 540
gctgggtgtg acttagtaca taagtactca atattataaa aacctcaaat aattgacttg 600
attttacaca acatccttcc cttttctaca agttaatttt tttacaaatc atttgggtta 660
tctcctaaat aggttatatt ttattgcttc tagaaacaat gtttcaaaat atatgtgcat 720
tatcagtaat aatttgtata aatatttccc acaacaattt tcataatttt caaagactaa 780
tttcttgact gaagatattt tgctagggaa gtgaaacttt aaaattttgt agattttaaa 840
aaatattgtt gaatggtgtc atgcaaagga tttatatagt gtgctcccac taactgtgta 900
cagatcagga cacatatttt tagacatcta agtctgtagc ttaaatggag gttactcttc 960
catcatctag aattgtttac ttagtaattg ttgtttcttt tattattata gacttactat 1020
cagttttatt ttgccaagta tgcaacaggy atatcactag tatatgaaaa tgtaaatatc 1080
acttgtgtac tcaaacaaaa gttggtctta agcttccacc ttgagcagcc ttggaaacct 1140
aacctgcctc ttttagcata atcacatttt ctaaatgatt ttctttgttc ctgaaaaagt 1200

gatttgtatt agttttacat ttgtttttg gaagattata tttgtatatg tatcatcata 1260
aaatatttaa ataaaaagta tctttagagt gacccttcc ccatagattt ttatttctct 1320
attatatttt acaaggaata taactcagtt tgttagggag agtgccttaa aggcaggtgt 1380
ttcttggact ttgttattta attagatctg cttgcaataa aaaaagttat cggttaaaaa 1440
aaaaaaaaaa aa 1452

<210> 963
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<400> 963
tgaatttttt atttctgatt tcatgttttt aatatccaat taactcctta ttttggtaat 60
gtttcttttt tatagtattc caatcagtca gcattcactt aaaaaaaaaa aacagaaata 120
actccagata ttttaagcaa aaagggattt ggtggaaggg gttgactata gtaatgtcag 180
gaaggctggt tgagccaaag agaagaggat gctgcccaaa gatcaggaag ctcccagtgc 240
ccacccccac tgctgctctg ctggaagcat agccctgcca ccattgcatt gaactgtacc 300
actgccgctg agcaaagtca ggatccccaa ctctgaccat tgtatcatgc ccggctggct 360
ctgcaatgtc attttgatgt gtcttcagta tggatttttt ttttttttt tctgagtcaa 420
nan 423

<210> 964
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (610)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (663)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (698)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (706)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (737)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (740)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (762)
<223> n equals a,t,g, or c

<400> 964
taagctggta cgcctgcagg taccggtccg gaattcccgg gtcgacccac gcgtccggaa 60
aatgcattca gaatcttcag agtcaggtga aaagctttgg ccatgattgg ccttggcatt 120
ggttgtgctg gacagcggga ccaggcgccc ccttacctgg ctccccccctc ccaggagccc 180
ggtgatgctg cgaaggctgt gaacagggga ggcggcactg tgggggctgc cggcagccgg 240
ggctggggag agacatgtgg acacgtggcc tctatggctc ccgcctgcca gatcctccgc 300
tgggccctcg ccctggggct gggcctcatg ttcgaggtca cgcacgcctt ccggtctcaa 360
ggtaggggaa gtctggtggt ggcggtgggg agggagcgaa aaatgtaaga gaccagttgg 420
gctccaacag aaagaggcat caggggggctg ggatgggggt caatggggga aggccctggg 480
gtcaataggc gggagccttg cagccaactc cctggatttc gggggtcaag tgaggccagc 540
atcacttgct ccagcagcct aacagccagg acacaggggt ccaataagac cagggcccac 600
cccargcctn tgacccttac ccacagatga rttctgtcca gtctggaaaa gctatgagat 660
cgnctttccc amccgcgtgg accacaacgg ggcactgntk gccttnttgg caacttcttc 720
ccggaagcag cggccgnggn accgggggggc cacaggccaa tnccggcttt ttttacaaag 780
gggctt 786

<210> 965
<211> 1340
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 965
ggtccantaa aagagaggag gtttggagcg gtggcctgtg gagttgctat ggagctgtat 60
gtgtttgggg gagtccgaag tcgtgaggac gcccagggta gcgagatggt aacttgcaag 120
tccgagttct accatgatga gtttaaaagg tggatctatc ttaacgacca gaatttatgc 180
atccccgcca gttcctcttt tgtttatgga gctgtaccta taggagccag tatttatgtt 240

attggagatc ttgatacagg taccaattac gactacgtgc gtgagtttaa aagaagcaca 300
ggaacctggc accasastaa accactcctt ccatccgacc ttcgccgtac aggatgtgca 360
gccttacgca ttgcgaattg caagcttttc cgcctgcagc ttcagcaagg cttattccgt 420
attcgtgttc attccccttg aggaggaagc agagcagagt gcgagatcct gacccaagag 480
caccataaca tagctccgaa agggagagca gagatggcag ctgaaactca ctctgtgctg 540
ggctttggta tggtaactct ttggtggttt tatgatgctt acaaacttga gctttactcc 600
ttgtttggga gaacacgtaa ctgttgaaaa actacctggg aggagtgagt tcctccagtt 660
aaatgtggct gtagatgttg gaggctaagg aggctagtaa atatcaaaag gaaaagggag 720
tgggaattgc tatcatgtaa aatatcaaag ttaaaatact aaggtgcatt ttccctgaag 780
ggaactcagt ctgactgctg tattcaaata cgtagctttg gtaacaaaca aaatccgtat 840
atgcaaatca acatatccaa acatgccaag actgcttttc cactgcactt ggaaggatat 900
attatgccta agcctgccca acaaattaag gtttgtgcct aaaatgttag attggactgt 960
atgccagtta gtctccattt attcctagta ctctgtccta agaatctttt taaaactata 1020
tcatgatgaa tagaaatgaa gataaaattg ctcttttgta actttatctt agtaatgtaa 1080
agattcagta aattgatgag tcaggttgca gccctcatgt gaactgaaag aagttgctcg 1140
cttctgtgtt gacttagatc aagacacgtc acgcatcctt tctggggtag tacctgtgga 1200
gccgggaagg gtctcctgca gtgccattct gccttctcaa tgagcaaaac cattttctaa 1260
gtatgaggat attagtgagt aggagatttt ataaaagaaa gacctgagtc agacaaataa 1320
taaaggtctg ctgtggctaa 1340

<210> 966
<211> 884
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (771)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (796)
<223> n equals a,t,g, or c

<400> 966
aggggtttat aggcacgaga ccctgcaccc aacctagagt tgccttttt aagcaaagca 60
gtttctagtt aatgtancat cttggacttt ggggcgtcat tcttaagctt gttgtgcccg 120
gtaaccatgg tcctcttgct ctgattaacc cttccttcaa tgggcttctt cacccagaca 180
ccaaggtatg agatggccct gccaagtgtc ggcctctcct gttaaacaaa aacattctaa 240
agccattgtt cttgcttcat ggacaagagg cagccagaga gagtgccagg gtgccctggt 300
ctgagctggc atccccatgt cttctgtgtc cgagggcagc atggtttctc gtgcagtgct 360
cagacacagc ctgccctagt cctaccagct cacagcagca cctgctctcc ttggcagcta 420
tggccatgac aaccccagag aagcagcttc agggaccgag tcagattctg ttttgtctac 480
atgcctctgc cgggtgccgg tattgaggca cccagggagc tgttactggc gtggaaatag 540
gtgatgctgc tacctctgct gctgcactca cagccacact tgatacacga tgacaccttg 600

cttgtttgga aacatctaaa catctagtag atgacttgca ggctgttggc taccagtttc 660
ctgtctgagg tgtatatgtt aacttcgtga tcagtttgta tgtttgggac tcttgtccta 720
tgtaaagtta aggtgggccg ggtgcagtgg ctcacgcctg taatcctaac nctgggaggc 780
cgaggcgggt ggatcncctg atggtgaaac ctcatctcta cttgaaaata caaaaattag 840
ctgagtggtg aaaaaaaaaa aaaaaaaaaa aaaactcgag gggg 884

<210> 967
<211> 1632
<212> DNA
<213> Homo sapiens

<400> 967
aaattgaaac ttctaataaa aatgatatga ctatagatat attacatgct gatggtgaaa 60
gacctaatgt tctagaaaac ctagacaact caaaggaaaa gactgttgga tcagaagcag 120
caaaaactga agatacagtt ctctgcagca gtgatacaga tgaggagtgt ttaatcattk 180
wtacagaatg taaaaataat agtgatggaa agacagctgt tgtgggttct aacttaagtt 240
ccagaccagc tagtccaaat tcttcctcag gacaggcttc tgtaggaaac cagactaata 300
ctgcttgtwg tcctgaagag tcatgtgttt taaaaaaacc tatcaaacga gtatataaaa 360
aatttgatcc agttggagag attttaaaaa tgcaggatga gctcttwaag ccaatttcca 420
gaaaagtacc agaattgccc ttaatgaatt tagaaaattc taaacagcct tctgtttctg 480
agcaattgtc tggtccttca gactcctcta gttggccgaa atctggatgg ccttctgcat 540
ttcagaagcc aaaaggacga ttgccatatg aacttcagga ctatgttgaa gatacatcgg 600
aatacctagc tcctcaggaa ggaaattttg tttataagtt atttagcctg caagacctgt 660
tgttactcgt acgctgcagt gtccagagga tagagacaag accacgttct aaaaaacgga 720
agawwatyag aagacaattt ccagtttatg tactaccaaa agtagagtat caagcttgtt 780
atggagttga agctctgact gaaagtgaac tttgtcgctt atggactgaa agtttattgc 840
attccaacag ctcattttat gttgggcata tcgatgcatt tacttcaaaa ctttttctac 900
tggaagaaat tacctcagaa gaattaaaag aaaagctttc agcactcaag atttccaatt 960
tatttaacat cctccaacac attctaaaga aactaagtag cttgcaggag ggttcctact 1020
tgttatctca tgcagcagaa gattcttcac tcctgattta taaggcctct gatggaaaag 1080
ttactaggac agcatacaat ttgtataaaa cacattgcgg ccttcctggt gtaccttcca 1140
gtctctcagt tccctgggtc ccattagatc ccagcctgtt attaccatat catatccatc 1200
atggaagaat accttgtact tttccaccga aatcactgga taccacaaca caacaaaaga 1260
ttggtggaac gagaatgcct acacgcagcc acaggaatcc agtttccatg gaaaccaaaa 1320
gcagttgctt gcctgctcag caagttgaaa ctgaaggagt ggctccacat aaaagaaaaa 1380
taacttgagg actgtaccat ggaaaactaa atttaaaaaa acagttataa cagtgtttaa 1440
tttagataag tttgagggaa aataatcagt aggcaagagg aacatttttc ctgtagtagc 1500
tagagtgcct tgaaaaaatg tgttggctat gtgaaggaat atttcaacta aaatggaatg 1560
gtatgctttt caccccttgaa gtttgaggag gatcttgata tgttttaaca ttatcatggc 1620
agggaaatat at 1632

<210> 968
<211> 1592
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1589)
<223> n equals a,t,g, or c

<400> 968
gctgtattcc cccttccagt tttttcttcc ccttttctta tttctttctt gctctcctct 60
ttcagccctt caggatttcc ctgctacttg ggttcttgtc ttgaaacttc cttacacttt 120
tactgttttt tttttacttc ccttttttctt aatcttcatc tctttcctca attttctttc 180
cttatcttcc ctacccttct tattatcttt cttgtttgtc catgtaattt cttctccctg 240
tttaccacct ctgaccttct tgtatttcct ttcgctccct ccctattact ccttcctttt 300
tcttgtcctt cagtttaatt atttcaaaca catcacacat aaggcctgtc attcccttga 360
tttctaattt atcttttcaa cctctaataa atttracaca garaatattt ccccattcac 420
tttgctcccc atctactcag atctatcaac ttctctgatg gttatttgaa agtttagtac 480
ttaaaaatgt gtcagattaa aacttgttta gaaacagcca gctagctgga gatgaaaaat 540
atataagagc ttatttgcaa ggtggttaat acatgtataa atactacaga gttgactgta 600
tataggtatg ttgtagatac attaagctat tctgttctct gcttcatctc ttagattggt 660
ggaacgagaa tgcctacacg cagccacagg aatccagttt ccatggaaac caaaagcagt 720
tgcttgcctg ctcagcaagt tgaaactgaa ggagtggctc cacataaaag aaaaataact 780
tgaggactgt accatggaaa actaaattta aaaaamcagt tataacagtg tttaatttag 840
gataagtttg agggaaaata atcagtaggc aagaggaaca tttttcctgt agtagctaga 900
gtgccttgaa aaaatgtgtt ggctatgtga aggaatattt caactaaaat ggaatggtat 960
gcttttcacc cttaaagttt gaggaggatc ttgatatgtt ttaacattat catggcaggg 1020
aaatatataa agaagaaaaa tatttttaca ttaaaccttt tctaaaaatt gtaaatagaa 1080
aaataatttg gttttttatc aagaacaaca cttatcgtta tgtattgtgt tagttatatt 1140
gccagtctgt tgcgactgac tcaaaaagtt aaatgttgcc actgctgaag atgattatga 1200
gcatcgcaaa ctttgtttct gacccatttt gacagttttt atatactcct ttaaaatgat 1260
gaatgttaca ggttaataaa gttaatacct ttaaaaactt ggtgaaattc cattacagaa 1320
gccaaaaata aaaactccct gcctctgaaa agtcagatta ctgacttctt gtttggcaac 1380
catcagtttg tttaataaaa gaaaaaattt ggtggtataa catgtttgat gacagatgcc 1440
tctatctcta gattcaagct gagtgttgaa atacactgct gaaagcaaag agataggtat 1500
gttttccaga aaaaaagtca gtgtcattgc tccagatgac aaggttaatg tggtaaagca 1560
taagcttttt ttttttttg naagggagnc tc 1592

<210> 969
<211> 1931
<212> DNA
<213> Homo sapiens

<400> 969
ttttttttt ttttttttgt attcttgcca gtacagtata tggtttttct accccaatta 60
catactgggt tttgtaccac atcactaaag gcccaaatca ttgaagatac aaaaccgtac 120
atgcaggctg gttgtctggt tagtcaatgg ctgatttgct tcaactgtct agtatgtatg 180
tgcagcctga aactggctcc ttaaaaggaa agccgggtca gtcatcttga aaaaatgaca 240
tgtaaaagta aatcgataat tgttttgaga gacggtacat gttttaaagg ttggccttaa 300
gcttcagtaa cattgtcatt ttgtgacctt ttgttgtcac acctgtaccc taacctgaca 360
ggaattaact actgtttttt tgtggggcag aaagcaaaac ctggtgttgt gacttttatc 420
ctaatggttc ttaggcaagg ttagtgagaa gaaacacaaa cccagatgca tgcattgtgc 480
attattttgt agacaagcta ctttttcttc tgtcccttta acaaatttgc agcaattacc 540
ctccctttgg ggtctagagt gaaagctaat ttgtgggtag atgagattgc agaagaatgg 600
atgtccatgg ctgtgaacac tgcacactgc acatccatct ccagtgctca cactgtgcag 660

ctaccactcc ctggctgcgt gccatgctgt cgggttgcag atttgcacac ataaattcct 720
caggaagagt ttgcatgagc atcacctcgc aatattctgt actgaccaaa caagggattt 780
gaacgttttt cagcacaaaa ggataacttc cgagtggtgg tctgtacgca tactagcaaa 840
ggtaatggtg atctagcaaa caaaattggt ttctgcagtt agaagtgagc aggagcactt 900
gtattatagt atttaaataa tcctggttaa tctcttttta agccgagtaa cccctccaga 960
ttttgccttt ttattattga ggctggcttt attttcttct actttttttc ccgttttata 1020
gcagttaatt atttttgtga ttattatgca agaagcattg cccttgagtt aaactgttat 1080
tgtttcataa gcagctatta aaataactga gcattgtttt atgaacatac actaatctga 1140
gatactgaaa agctttgcaa ctaaaaagca aaacaaccta cattagtgca tctagccatt 1200
gtttggatgt tttgagttga ttttttatgg tgcctctttt agcttggaat attacgttta 1260
ctttaatcca agtctaggcc ttttaaaggg tccttaaaat taaagttcag aatgtgaatc 1320
cctttgacat ctattacagg tttataggac ctttttggtt gtgattactg ttttcaatac 1380
gattgtataa atgaagttaa ctttgtcaga agttaaaatg gaggtcatag gagttcctgg 1440
agaaatggct ctcctgtttc tttcattacc ccactgaagt tcaccccagt ttctggccac 1500
aagaatatga gaaaggaacc ctgttgtttt ccaagggaaa tcattcctct ctgtccccac 1560
tgttgattaa ctaaagtcct ggacaccttc cttcctccac tggccaagac ccaccttgac 1620
ccaccttgaa cctcttttca gagccgagtg gcatgaatat gtgtactgtt tctgcttctg 1680
ttgatggagt ggctgtggga gaattaaagg aaatgctaat ttgagcttca ttcatagggg 1740
aacctactat atattgcatc cctgctggtt ggaaattatc ttcatctctg gactgcattg 1800
tttagaaaaa tgttaatggc ttacaattct gagaacttta ttgtgtggct ctggggttaa 1860
gaattctgtg gtttgaaaaa aaataaatat tttgtattga ttcaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa a 1931

<210> 970
<211> 743
<212> DNA
<213> Homo sapiens

<400> 970
tctaactgtg gagtggatta aggagatttg caaasgacaa agggakgaat tccttacttt 60
aatctgttat cattttcct atgtttccyt ctttgttcag aagcccagat gcatttttat 120
aactcagttt taaaaacttt aaaatagtta ccttgccttt taggatgttc ttatcccacc 180
cataatgaga gttgaaaggg gatggatagc tgctccccat gcccttccca ctttttggaa 240
taggccgtga gggtgtgagg aagaaggctg tcttttgtac ataaggacaa aattgtttgt 300
tttacataaa ttttgttaca tatttttgct aatggctttg tatgtaacaa gaagcgagtt 360
gccaaactac ctgttgtact tttgaatttt ctgattgaat tacagactgc gaacaacggc 420
tttcagaatg agggacttcc atcagactct aatgataata gtagcacaaa ttgaaaactt 480
ccccaaagct ttcacagaat attttctcat aataaaatcc aagtgaacag ataattagaa 540
gaaacccttt tccttcaggg aaccaagcaa ctctatttta gtactgacat gcattatttt 600
cactgtgaat tcacttttt attgcatgtt cagatgtccc tctttgtttt ttttttttgt 660
aacattaact gcaatgatgt tcttcctgga attcatgaaa atataattaa aacacatttt 720
taaacaaaaa aaaaaaaaaa aaa 743

<210> 971
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<400> 971
cctggggaac caaagcccac ccctagggga aaaccagggc aaacgggngg acccccctagc 60
tggtatcngc cgncaaaatt gattgccttg cytggtggtg gggaaaaaac tcccacacat 120
ttggtcagag aagttttctg tctttattgt ggtgtgagag cagaggaaaa aagtttgttt 180
tttccgctca gactttgttt taaggaacag gggagaggga agttctgtgg tttttgaagt 240
tcttagatac gtgtgtgtag ctttgtgtgg cattatatat agcattatat tattttctac 300
ccttatctac tcatacagaa attgcacagt aaaaacatca aagtttattc ataaaatgtg 360
gatctattgc agtcactaaa aatgttgcag aacagatttt aatgactgaa agtgttcatg 420
ataatatatt caatgaaaat atggttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa aaaaaaaaac 540
aaaananaaa aaaaaaaaaa anaaaaa 567

<210> 972
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<400> 972
agtgagaact aaacggggaa tacagatagc agagattaaa taggctataa gaaaaaaaag 60
ggatgataat aagaccatgg tagtacataa aaaatttaaa tgatctgggt aaatacattt 120
ttaaaaactt actaagtgcc cagtgcggtg gctcaggcct gcaatcccag cactttggga 180
ggctgaggtg ggtgggtcac ttgaggccag gagtttgaga acagcctggc caacatggcg 240
aaaccccgtc tctactataa ntacaaaatt taaccaggcg tggtggtggg cacctgtagt 300
cccagcttac ttgggagact tgagccatga ggaatcactt gancccagtt gggtgggagn 360
tttggg 366

<210> 973
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<400> 973
gaacaggggg ttttgttttg ttttgaaaga acgtctctgt ctgtngccca ggctggagtg 60
tagtggcatg atctcggctc actgcagcct taacctcctg gctcaaacaa gccccctgcc 120
tctgcctacc aagtagctga gactacaggc acctaccacc gtgcctgtct aatttttaaa 180
atttttata aagatgaggt ctctctttgt tgcccaggct ggtctcaaac tcctaacctc 240
aagcaatctg cccacgtcgg gcttccaaag tgctgagatt ataggcgtga ccacccgtgn 300
ccaattgtga tcgtttttcc caaagaatgt atcacatgct aacaaaccat atatttatgt 360
atttcattgt tcatagtaac tacaatttaa aaactaaaag aacaancagg c 411

<210> 974
<211> 943
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (933)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (937)
<223> n equals a,t,g, or c

<400> 974
gtttntgagg ttcagtctta aacatttgct ttaagaaaac agtcttgaat ttcacatgct 60
gctattttta tattttgcca ttttacagta ctgttttgtt ttgaattcat gcatatcatt 120
gaaaatttct cgttttcatt ttcttagatg acttcttgtc tgagacagaa aaatttccta 180
ctacagcagt gcagtccaga ggttaagatg tattagaatt atacaatatc agtttaaaaa 240
tctgtatgca taaagaatgc accactcaac ttttttattc ataagctaat atttttttaa 300
agttacatta agatttttc tcttttgcag ctacatttga aagtgataga ataaagagat 360
tttaatgagt tatcactttt tcagctgata tattcatttt aatggctttt ttgaaagttc 420
ctttttcatg aacacacccg agaaatctta aatagacact ttgcaatatt taagaaccta 480
atgctgttta attttggtac agcttccaca ttgcatgttc actttagtat ttgcaatttg 540
atatatttca tggtggcaaa atattagctc tgttttggga cattttaaaa tagaactatc 600
cttgttcgat agcataggaa aatgttctgg tgattgtcag ggtctcctaa tatttatctc 660
aattctttta taagtctatg gaaattattt aattatttta aaacgtacac acttttcttg 720
taaatatgtc acatctgagt tcaaaaaaat tactttgaat accttaatat ttgctgcatt 780
tttttccgta tatataacat gtcttctttc agaatgggaa tatatgtgtg cctcccaaca 840
tttactgtta aagtgtgtta tctttatatg tcaaactggt tgaacactgt aatgagaata 900
aactgcacag agtttaaaaa aaaaaaaaaa aancccnggg ggg 943

<210> 975
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (703)
<223> n equals a,t,g, or c

<400> 975
gccctgatca acatgagatg accgccgtgt ggtaaactga tgaaccccga ccctgatgaa 60
catgagatga ccgccgtgtg gtaaactgat gaaccccgac cctgatcaac atgagatgac 120
cgccgtgtgg taaactgatg aaccccgacc ctgatcaaca tgagatgacc gccgtgtggt 180
aaactgatga accctgaccc attaggcttt ggctacagaa tgtggaaata agttgtgtta 240
ctacatgtgt gtaatcctag ggtgcaggac accggccggg aggttccata gagtgatggg 300
ttctgcaggt aactcatcct ctagtcctct gtaagctcct agaaggaaga aattatgtcc 360
tttagactaa taaaattcct ccaaaccaaa tacagcacct actgtgaaga cacaaagata 420

cttttagaat agtaaaaact ttatccattg agaaattcct taatgaaaca gtatccaaga 480
agtcatttgc cagcagattt cttagaggtg cgataaagaa gaggacattg ccagtcgtca 540
cagcagctgc aatagctcct ctctattgtt aaacagtggg atatcttgtg caggttttca 600
gttgacaatc aattttaaag attagtttcg gtccccatca atcaattatt tattaaccca 660
tcaataaaaa tttaaatgct ctgtgaggta caatagctwt twnaaaaaaa aaaaaaaaa 719

<210> 976
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<400> 976
tgtttcattt acagcagctt ttagaacgta agccagataa ttatatgaca ttatctcgtt 60
tgattgatct cctaagaaga tgtggaaaac tcgaggatgt cccaagattt ttctcaatgg 120
ctgagaaacg taactccaga gcaaaattgg aaccaggatt tcagtattgt aaaggactgt 180
atctttggta cactggagan ncaaatgatg cccttcgaca ttttaataaa gctcggaaag 240
atcgtgactg gggccaaaat gccctttata atatgataga gaatctgttt gaatccagat 300
aatgaaactg ttggaggtga agtatttgaa aacctggatg gagacctggg taattcaact 360
gagaagcaag aatctgtgca actggcagta agaacagcag aaaaacttct taaggaacta 420
aaacctcaga ctgttcaggg tcacgtacag cttcgcataa tggaaaacta ttgggggggg 480

<210> 977
<211> 1994
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 977
ctctgttctc tggaatgcca tgatccatcc actgtgcaat atgactctga aaggggtagt 60
atggtaccag ggggagtcca atataaatta taacacggat ctgtacaatt gcacattccc 120
tgcactcatc gaagactggc gtgaaacctt ccaccgtggt tcccaggggc agacggagcg 180
tttcttccca tttggacttg tccagttatc ttcagatttg tctaagaaga nctcagacga 240
tggatttccc cagatccgtt ggcatcaaac agcagacttc ggctatgtcc ccaacccaaa 300
gatgcccaat actttcatgg ctgtagctat ggatctctgt gatagagact cgccttttgg 360
cagcatccac cctcgagata aacagaactg tggcttatcg gctgcatttg ggggcccgtg 420
ctctggctta tggtgagaak aatttgacct ttgaaggacc actgcctgag aagatagaac 480
tcttggctca caaggggctg ctcaatctca catattacca gcaaatccag gtgcagaaaa 540

aggacaacaa gatatttgag atctcctgtt gcagtgacca tcgatgcaag tggcttccag 600
cttctatgaa caccgtctcc acccagtccc tgaccctggc gatcgattct tgtcatggca 660
ctgtggttgc tctccgctat gcttggacca crtggccttg tgaatataag cagtgtcccc 720
tataccaccc cagtagtgcc ctgccagccc ctcccttcat tgctttcatt acagaccagg 780
gtcctggaca tcagagcaat gttgctaaat gactgtttca gtatgatcag aacttagata 840
taaggatggg tccttcagat tttagcattt aggagtttca ataataacca ttgcttttaa 900
aggaaattaa tagaaagcct cattgaatgg ctttcagcta gcacatggct gtttctatat 960
tctgatgagc ccaggctyat aggtaacttg aaatgcttgc tttttgttcc ctagttggtc 1020
taagggtctg tattggacta attctgaact acagacaaat tggacctcaa tgtcatttat 1080
ttccctcata ttaatgggag tgaaatgtct aatacttttg ccccttttta tccagagttg 1140
tgggatctca ggattggaag agattttaaa ggccacatag gccagctagt gttcatgtgt 1200
tctttataaa atttctccca tccaagtact aaccaggccc gaccctgctt agcttccgag 1260
atcagatgag atcaggcgcg ttcagggtga tatggccgta gacgtcttta caaaattcct 1320
gacaggtggt tactgaatct ctctatgaac tttccattca aaactttcca agtttttcct 1380
tatgtggaac cgaaatcttt ctttctcccg tgaaacttta ctactatcag ataattgaag 1440
acagatctct ttgtattctc ttcaagccca aaccaattct gttccttcaa tctaaatagt 1500
ggtaatatga atgtttaaga aatgaaataa gaaacatgtg caggcacttt ggaaggtgct 1560
aagtgactgc cctaaggaat gaaaagcaag ggccaggtgg gagtagccca gcgaaggcac 1620
ttgggctgcc aggaacagga ggcgtgggaa actctggctt aggaaaacat gaacacaggg 1680
gcaacagagg caaactgttg ttcgagttaa atataaatct caggctcttt aaaggtaaaa 1740
ggtttaagga taatccattt ggaagaagaa aagagtgagg ctgaaagtaa agccacatga 1800
caagcatata aaaaaaaatg cagatgatac aaatatgaaa gaggccttca gtgtttgttt 1860
attaagaatc ttaatgcagt ttactgatgg attaaaaaca gctaacattg tctgaaaatt 1920
atgttaccta taagaagttg gaaataaata aaagcataat cactaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaa 1994

<210> 978
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<400> 978
tcgtcctgcc tctgctcccc aaagtgctgg gcctgagaca ccacacccag cctaaactaa 60
aagccatttt tagtaactcc caccaatgtg gttactgtta caaanttnta tggttcctgg 120
gtcatatttg gtatcaraat gtgtatgtat atccttataa atatggaatg tagaactgat 180
aatagtttac ctatcagatt tgcaaaaata aggaaagatt tttagcagct tgtaacaaac 240

atatacatac ttggataaat aatttagaat tttaacccna tggctcatat gctcttacaa 300
tattctcttt gagggtaaaa catactttat tcttaaactt aaagaacctt tgataagccg 360
tgaattatga tctcagtgac tacatttctt tttaggagtt atatgtgggg gaaggaaaga 420
agtagctagc agggttaaca tggaaagcag gagattatag acaagcatca tttgagcctt 480
tggatactac aaataatctt caaaaatgac aggtttttg gctttttgtt tttcctttcc 540
tttagtgcta gttgcagaat cctatcatat tgtggttaga tttcaataaa gaatgtttaa 600
gattaaaaaa a 611

<210> 979
<211> 2497
<212> DNA
<213> Homo sapiens

<400> 979
gaattcccgg cgctgaggtc ggaacgtytg cgtgtgtgcg ggctggtttt gtggcggctg 60
ctgctagagc tggagcattt gccggtcagt ataaaagatt aaactctaca gaagaatgca 120
atcaagtgat ggcttttcct ttagaatttg aatatggagg ctacaggaac agatgaagtt 180
gacaagctaa aaaccaaatt tatatctgct tggaacaaca tgaaatatag ttgggtgttg 240
aaaacaaaga cgtattttag tagaaattgs cctgtattat tgcttggaaa atgttaccat 300
tttaaatatg aagatgaaga taaaacgtta cctgcagagt cgggatgtac aatagaggat 360
cacgtaattg caggaaatgt agaagaattt cgtaaagatt tcatttctag aatatggctg 420
acctacaggg aagaattccc tcaaatagaa ggctcagctt tgacaacaga ctgtgggtgg 480
ggctgcacat tgagaactgg ccagatgctc ttggctcaag gactcatact acactttctt 540
ggtagagctt ggacctggcc tgatgctttg aatattgaaa attcagactc tgaatcatgg 600
acttcccaca ctgtcaaaaa atttactgca tcatttgaag catcactttc aggggaaaga 660
gaattcaaaa ccccaacaat ttctctgaag gaaacaattg ggaaatattc tgatgatcat 720
gaaatgcgaa atgaagttta tcataggaaa atcatctctt ggtttggtga ttccccttg 780
gctctttttg gcttacatca actaatagaa tatggaaaga agtctgggaa aaaagcagga 840
gattggtatg gaccagctgt ggttgctcac attttaagaa aagcagttga agaagcaagg 900
catcctgatt tacaaggaat aactatttat gttgcacaag attgtacagt tcctgttaga 960
cttggtggag aaagaaccaa caccgactac ttagaatttg tgaagggtat tttaagcctg 1020
gaatattgtg tgggtattat tggtggcaaa cctaaacagt catattactt tgctggattt 1080
caagatgaca gtttgattta catggatcct cattactgcc aatcttttgt agatgtcagc 1140
ataaaggatt tccctcttga gacattccac tgcccttctc ccaraaagat gtcttttcga 1200
aaaatggatc ccagctgtac aataggattt tactgtcgaa atgttcagga cttcaaacga 1260
gcttctgaag aaatcaccaa gatgctgaaa ttttcttcta aggagaaata tcccttattt 1320
acttttgtaa atggtcattc cagagactat gattttacat ctactacaac caatgaagaa 1380
gacctttttt cagaggatga aaagaaacaa ttaaaaagat ttagcacgga agagtttgtc 1440
ttgctttaaa gattagcaca tttgtgcttg ataagaagaa ttccattgaa aggggaaaaa 1500
tgaagagaaa caagtatatc tgaaatgttt attttcacaa atatcttaat tttatatgtt 1560
ctttaaaaaa gaacatttga aaatataaca gttaaagata tttttctaaa agagaaatga 1620
tttaatgaat cttgctttct aataaataaa ttgagtgatt ctggttgcat tcctatttcc 1680
ctaagatcta ctagtgataa ttctacctta actgtaagcc ttttagtctt caaagtcttc 1740
cacctgagcc cattgttctc atggaggttt tgtgatatta accctccccc aaagactggg 1800
atcaccaaat agtttcaaaa ttctcagttt gtactraaga ccagaagatc agagaaggaa 1860
actttaatgc tgtctagcct cctgctatta atgcaatcaa agaatacttt tgcatatgtc 1920
ttgataatta aatagtattt gttaactgkg atatgcatac acttatataa gcagaattat 1980
gagttaaagt aatacttrgc aatatgattt tataatggct cctcattatg cttgctgttg 2040
aacctttttat gaggagtgaa tataaagtat tggttttccc tcacaaattt aaagattatg 2100
ttattaatac tattataact gcatcaatca agtcagataa aggcaactat aaaatagtag 2160
tagtgtttgt ttcctatctc aagggcgaaa ttttatggga actcaattta ttatgcagtt 2220

tttaagttta aaataccaag aaagatgtca ctagattctc ttctatgtga tttttgtttt 2280
ttatataaag cagtgtagtg gtgtttagaa gctgaggcca cctgtaaggc aaatctgcct 2340
taagtgtatt atgtgttact taaaggcaaa tttgtgatct aaaagtacaa gagtgatttt 2400
tgagctagga ttataaaata cataataaag atgtgagaag ataaaaaaaa aaaaaaaagg 2460
aattcgatat caagcttatc gataccgtcg acctcga 2497

<210> 980
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<400> 980
ggaaggaggt ttgttgttnc atcaatgttt gtgaaatgat ttccatacat aaaaaatgta 60
atttacctga actttgtctt aagactctta cattggatta taggataaca gataaataaa 120
ctgtatagat acattcagta tcatacaaca ttttggaatg tgtatgcttt caggcttcca 180
agataattaa attactgtca tgatacattt catgcatttt ttatgacttc agtataaaac 240
attcaggtgt gttagccttc cctgggaagg gtaaacttgt atgtgctttg gtaaagtact 300
taaattccaa tgtyccctat agtgcttgca ttcattttgt gaaaagtttt gttgtattgt 360
tagaacaatt ttcaaaggct gattttatgc cttatctgat agaaatatag aatagatagt 420
tctttaattg cttacttttt aaaagtaata taatatttaa gttgcatttt tattaatagt 480
aagattaaca tttaagtctg catttcttta aatgttttaa atgtttatag cattcaatgt 540
gtagttggwt ttacttgact aaaaattagc cctttaacgt ttatatttgk tgkatttata 600
tttaataaag gcatctaatc ttwartaaaa aaaaaaggcg gccgtctaga gt 652

<210> 981
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 981
ggagatatct tctaaaagtg aactggatga attgcaggaa gaggtattat ggcctgtcag 60
cattccctgt gccctcmaaa ccttaggcct agaatgcgga gctgccaaca taacattcac 120
ccttttgaac agatggagtc aggcacacta acacagcctt ctgtcctcaa taacacagcc 180
attattgcca cttgctcagt cgtcaatgta aaccctcaga gtcagctgaa ctattttagg 240
ccaaacatac tgtttttgta aagtattttt cattaataaa tctataagac agttctattt 300
aaaaaaaana aaaaaaaaaa aaa 323

<210> 982
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 982
tacaaggctt tggccgacca agtgtgtacc atgctgctat tgtcmkcttc cttgaattct 60
ttgcgtgggg cctkttgaca actccaatgt tgactgttct acatgaaaca ttttctcaac 120
acacattcct catgaatggt ctcattcaag gtgtaaaggg cctgctctct tttttgagtg 180
ccccactcat tggtgccctg tctgatgtgt gggggaggaa gccctttctc ctcggsactg 240
tattctttam ctgsttccca atcccactga tgaggatcag cccatgtttt ttaaaaaaga 300
aaacacatca gtggacgtga atgcaatgat gtcttatgaa tgctcacaca gaagcttcca 360
ttcgtgagga atgcanggaa aagcanaaga tggantaaga agt 403

<210> 983
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (676)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (707)
<223> n equals a,t,g, or c

<400> 983

ccaggcccta taancccggc accttgggga ggctgaggcn ggaagcacca cggagcccca 60
ggagttgggg acccggctgg gccacatagc magaccctgt ctatttttt aaaaaagtaa 120
aaaatagaaa ttatctcact acttaaatcc catttttttc acttcatatg aaagaacata 180
ttgatagtat attctatatt atttcataga tctgtctgaa agagattggg aacaaaaata 240
tctaattgag atattcttta atttttaca tagcagcttt atttttttta ttctgtagta 300
tcagcgaaat cagtcatgtt tataccttga atataaatat caggaatcat gcaattattt 360
ctactatgta tttagtagta tcttatattt gtataacatt attacatttt gcaaattagt 420
atcacaactg ctaagtagat gtttctgagt attagaaaaa tcagtgttat tacctgcagg 480
atattaaaaa acatttgaaa aagagaaaaa gaaaaatcag tgtttagaaa tgttgatagt 540
tattgaatct ttgaattgaa ttttaaaaat ccattctagt aatcagagta tacttttttt 600
atagaacaag gtggcaggtg gggagccctt tacccttctg gtgaagttaa accataggaa 660
gtttacaatt tgsctnttca caaacmttag cagtccsggg catggtnggc tkragcctgt 720
gratycccrg catgttgggg aggcccgagt tggggagggt tgcctgag 768

<210> 984
<211> 134
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<400> 984
cctgatatac aaatacaact atacaaaatt acaaaacata gtttgkatga aaaccaaaaa 60
tttagtccct aacatttgac ttgcactgtt gccattgcac ttcatgcagc ttataggcac 120
ctttccaggg naag 134

<210> 985
<211> 1134
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1127)
<223> n equals a,t,g, or c

<400> 985
gtcggacaaa gccctcgcgt cggacccttg ccagaactca attaatggat gcctcgaagt 60
tgacgtacat atatattcag aaatgttttg ccacctgaga cctatgagga ggttatgtct 120
agagaagata tttccacact ggtttccctt ttcaagagct ttatcgggag ctgaagcagt 180
caatgccttg aggcctttct attttgcagt acatccagat ttctttggac agcaccccgt 240
agaaagggat gatacatgga agagttttca atgccctagt gatttttcct tatgatgcat 300
gctgctggac cactccccta caacatcagt taatgtgtgc tccaggaata caaactgata 360

tgaaaaatga cttatggtag atgtagttaa gacagtcaat atattttaac attagaaaat 420
acagtcagtc cttcatatcc atgggtttta catccatgga ttcaaccaac ctcagactga 480
aaatattagg ggaaaaaaat acatctgtac tacacatgaa caaacttctc tttcttgtca 540
ttattccctg aacaacacag gataacaact acttacatag cacttacatt atattagata 600
ttataagtaa tctagaaatg acttaaagta tatgggagga tacacatagg ttatttgcaa 660
atactacact attttatatg agagacttga gcattcgcag atttcggtat ccacgggagg 720
tcctggaacc aatcccctat ggataccaag ggactgctat gtattacaaa gccacatgct 780
ttggaattac ttcagtgttc cttctatttt cattaacact gatatctagt ttaatatgaa 840
aaggaacttg aaatcttgaa aattagaaca tcgttatttt tttctacttg caatggaaaa 900
tctattttgc ttttttgctt ctaggaaaat attckgatta tgatatgtga tatgttggct 960
actcaaagtc agaacttttc aaagtaatca gtaaattgra tcaacagaaa aatattcatt 1020
aactcgggga tgcawtaata aagtttttaa attcaaaatg tatagaaaaa tcaagcttag 1080
taatacttta atattattct accaatgtat tttttttan gttaaangac ttcc 1134

<210> 986
<211> 747
<212> DNA
<213> Homo sapiens

<400> 986
ataaatattt gtgagcgagt tgtagaaccc mttcmagrat ggcaattttt gaactagttt 60
ctaaacmaag ggrattgtat cttcamcaga aaatattatg tgagctttct gggcatatkg 120
atctttttgt agatgtgaat aagcatctct ttgatggaga agtgtgtgcc atcaatcact 180
ttgtcaagtt gctaaaggat ataataatct gtttcttaaa tatcagagct aaaaatgttg 240
cacagaatcc tttaaaacat cattcagaga gaactgatat gaaaacttta tcaaggaaac 300
actggtcatc tgtacaggat tataaatgtt caagttttgc taataccagt agtaaattca 360
ggcatttgct aagtaacgat ggatatccat tcaaatgaga gacctaaaat atattaacat 420
tttaattaag aatacttgat caacattttt tgaagttcaa tttaccatat tttataaatt 480
gcgcattctg cacagtggac aagtttgcaa ttctgactta ttaaaatttc aaattctgca 540
tatcacaaaa tctccttata cttttggtat ggcttgcagc atttatgagt tttccaaaat 600
atagaaagca gtaggtcagt aggagcaaac tagccaacag gtactgtctt tgaatttact 660
actgtaagac taagcagtgt tactggacac agttttaact tgtkcaatct gcttcaaaaa 720
caagaaaaac aacaactatg agttatc 747

<210> 987
<211> 610
<212> DNA
<213> Homo sapiens

<400> 987
ggcacgaggg aaatctagac ctccaagtgt atgcagcaga gtctcctcca tcttgaaaca 60
aacaaaacat taggctcctg ttgtatcttg gtttagtaac aggcccttaa ttaacttatt 120
tgtacatgag tcttccagag aacactgttt tatattaact ttcagttgaa atctttcaga 180
tattttgaat ctctgaacaa ccattgtcag ttgtgaatga tggtaaattt tttggcatca 240
agtctcataa ccccaactga tagaactgtt gcttatctgt cttccttaag tatttttag 300
ggttttgttt tttttttgt ttgtttgttt gtttgtcttc acttttcccc caggtctgtt 360
gagctgtatg agattcattc atacttcatt tattcattca actaatattt gttgaacact 420
tacatgtacc agacattatt aagtgctggg tatatggtaa tgaacagaat agacaaggcc 480
cctgcccttt taggggagac agatgagaag taaattmcgg gttatgagaa atgttatgaa 540
ggaaaggmca acaacagaca tgtcttagtc tagggtacat ggctttatag gaaagtaaca 600
ttctctatct 610

<210> 988
<211> 394
<212> DNA
<213> Homo sapiens

<400> 988
ttgaaaattg atacaaacag aatcaggaca gaaaatggtt ccattttgcc cagtgttgta 60
ccacaagaac acaacacctt gccagtatct caggcacctt ccaaaccaaa tctgacaagt 120
gaacatactt catatggctt aattttaaca aaaccatacg tcagaccatt gcctcccagt 180
taccttgatg aacggtatct taktatgcca aaacgcagaa aatttctgac tgatagagta 240
katgcctgtt ctgatcaaga taacgtgtat aaaaaatcag tgaaaagatt aagatgtggc 300
aaatgcctga ccacctactg taatgcagra gcacttgagg ctcatcttgc acaaaagaaa 360
tgtcagacac tctttgggat ttgattcaga tgat 394

<210> 989
<211> 1481
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1481)
<223> n equals a,t,g, or c

<400> 989
cgccgcccgt gcctttcctc ttcctcctyc tcctccttgg catccgcctc ttcttcctcc 60
tgcgtcctcc cccgctgcct ccgctgctcc cgacgcggag cccggagccc gcgccgagcc 120
cctggcctcg cggtgccatg ctgccccggc ggcggcgctg aaggatggcg acgccgctgc 180
ctccgccctc cccgcggcac ctgcggctgc tgcggctgct gctctccggc ctcgtcctcg 240
gcgccgccct gcgtggagcc gccgccggcc acccggatgt agccgcctgt cccgggagcc 300
tggactgtgc cctgaagagg cgggcaaggt gtcctcctgg tgcacatgcc tgtgggccct 360
gccttcagcc cttccaggag gaccagcaag ggctctgtgt gcccaggatg cgccggcctc 420
cangsggggg ccggccccag cccagactgg aagatgagat tgacttcctg gcccaggagc 480
ttgcccggaa ggagtctgga cactcaactc cgcccctacc caaggaccga cagcggctcc 540
cggagcctgc caccctgggc ttctcggcag ggggcagggg ctggakctgg gcctcccctc 600
cactccagga acccccacgc ccacgcccca cacctccctg ggctcccctg tgtcatccga 660
cccggtgcac atgtcgcccc tggagccccg gggagggcaa ggcgacggcc tcgcccttgt 720
gctgatcctg gcgttctgtg tggccggtgc agccgccctc tccgtagcct ccctctgctg 780
gtgcaggctg cagcgtgaga tccgcctgac tcagaaggcc gactacgcca ctgcgaaggc 840
ccctggctca cctgcagctc cccggatctc gcctggggac cagcggctgg cacagagcgc 900

ggagatgtac cactaccagc accaacggca acagatgctg tgcctggagc ggcataaaga 960
gccacccaag gagctggaca cggcctcctc ggatgaggag aatgaggacg gagacttcac 1020
ggtgtacgag tgcccgggcc tggccccgac cggggaaatg gaggtgcgca accctctgtt 1080
cgaccacgcc gcactgtccg cgcccctgcc ggcccccagc tcaccgcctg cactgccatg 1140
acctggaggc agacagacgc ccacctgctc cccgacctcg aggcccccgg ggaggggcag 1200
ggcctggagc ttcccactaa aaacatgttt tgatgctgtg tgcttttggc tgggcctyng 1260
gctccaggcc ctgggacccc ttgccaggga gacccccgaa cctttgtgcc aggacacctc 1320
ctggtcccct gcacctctcc tgttyggttt agacccccaa actggagggg gcatggagaa 1380
ccgtagagcg caggaacggg tgggtaattc tagagacaaa agccaattaa agtccatttc 1440
agacctgaaa aaaaaaraaa aaaaaaaaam aaggggggng n 1481

<210> 990
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<400> 990
ccacgcgtcc gcggaacgct ggtcnctgan cgttctgtgt ggccggtgca gccgccctct 60
ccgtagcctc cctctgctgg tgcaggctgc agcgtgagat ccgcctgact cagaaggccg 120
actacgccac tgcgaaggcc cctggctcac ctgcagctcc ccggatctcg cctggggacc 180
agcggctggc acagagcgcg gagatgtacc actaccagca ccaacggcaa cagatgctgt 240
gcctggagcg gnctgaggtg ggcygastgc ccacttccag actgggccac tggcacctcg 300
agggcatggg gaggacccag cgatcccccc ccacccaggc ataaagagcc acccaaggag 360
ctggacacgg ctcctcggat gaggagaatg aggacggaga cttcacggtg tacga 415

<210> 991
<211> 1280
<212> DNA
<213> Homo sapiens

<400> 991
agcaccatct ggagtcttcc tgtagtggca aaaaagaaca gtgttgaaat tggaaaggac 60
tttgtgttat ttaggttgtt agaatgagcc ttaccaataa taagagccct gagcccagaa 120
aaaaggactg tatagtttaa agggaggatt gaaagggagg taaaaaatca gattagacca 180
gttcttggcc tatgataagt tccaaaaata ccatttatct actatttgaa aaaagaagag 240
gatatccctt cctacagtaa agggtatgtc agctacatga agttgtaaga aaagcttcca 300

gtagagcttc ttatattaaa gaagttgatg gatatttttg aatttctggt ttgcctgaat 360
ccacctgcag ttaccccgat ccgtttgcaa gaaccagatc gtacttgaaa ctatagtggc 420
cacactctgc cttcctgagt cccttccagt catgtgtgca tcatgtctct ttgccaaggg 480
aggggagaaa ggaacttta aactgcagtt ttaacttttt ctaagctgtt tcttgatggg 540
agaggttctg tgcaaaacta ccacattctg tccccaaaat gtggaatgca tccaaatagg 600
agtcttctgc ctcttaactt aaaagaacat aggaattttg tttttggttt ctttatcatg 660
ctacagagag tgaatacact ggaattcaga caccgactct gagctgctag gaacctcatt 720
tgtccatgtg caaacgctgt attccaaggc ctgtgaatgg cagcctgagg aagttttgca 780
tgcaggctgt gttttcgagc aggactaaca actgggaaat aagcaaaaaa ctgcatcgat 840
ccccagcctg gtgttgttct tccctatact tcacactgaa ctcaggatgg gaagaaaaag 900
gaaacaagct ttggcttttt ccatctcaaa agtattgtgg cacctcaaca tttcagtgtt 960
ttgcttttta aaaaatgccc tattgtaagt tgttggttta tactgtataa gtaacactag 1020
tagctgtttt gaataacata ggtgctcttc ctcatctcat ctcctacacc gtggtgagca 1080
tacagagtgt cctgatttgt gttaagtgac tgagaagatg ttaattactt ttgaaaaagg 1140
atcatggttt ttgctctact ttataatcaa gacaagtgtt tattaaaata ctgttttgga 1200
atgttggctg taatgtaaca gcaattttca taataaaagg cattcatctt taaaaaaaaa 1260
aaaaaaaaaa aaaaaaaaaa 1280

<210> 992
<211> 1057
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (989)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (994)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1012)
<223> n equals a,t,g, or c

<400> 992
gctttatgac aaagaatata attgggagga tgaagtgtct taaaaattgt agagaccagc 60
tcactggaat gtttttccat ccctgtattc atggcttgac tttgtgactg ctctacactg 120
catgtctgac attgcagagt gagctatgtt gaggtaaact ggttggttgt cattattttg 180
caatcagcct ggtctctccc atgaagatgt cgtgtgcata agcacaatca tcactgatta 240
gaagatcaca gcagaatacc cttggattag agagaagttc gtaccttgca tttctctgaa 300
ttctagtctc tcataagcac tgctttgctg gatgattttc actgctttgt gttaatgact 360
ttgagcgatc tctcacatga tggggttctt tagtacatgg taacagccat gtcatcttac 420
acacctagca ttgtgaatgc tgtagtgaca tcctttatag gcaccttaca gctcaaaact 480
tttgtttcat ttcatgcctt acttatcaaa aaggcaggaa agtaggtatg atctctaaag 540
taaaaaaaaa aaaaaaaaaa aaaacttttt atagaaagct cataaataat catgtcattt 600
tgcaattttg ttaccaaaat ttcccccaag agttttcaaa tattagttct gcaatgtggc 660
tatgaaatat gcactgaaat atacctttta atttgagaac cagtggttag aataagctgt 720

gatataaagt attttcagtg tacttttaaa ggaactataa ggccctccag cataaacgct 780
aaaagaatag atggtagcac aggccatgag ggctgggggа gagaagcaga gtgaacctta 840
gaaagatggc tcagctattt ggagcactgg atattttact gaagttattt actgaggcac 900
catcactgtt ttgactgtac agtatagttt ttcataaatt tcatcacatt tactttgttc 960
agaatctggg cttgaatctt tgagttggnc aaangcctat ggtttctttt anaaagtttc 1020
atcttgagct aatgctacag tttaaataaa atgtatg 1057

<210> 993
<211> 1095
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1043)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1058)
<223> n equals a,t,g, or c

<400> 993
cactcagctc tggtggtcct gagcgtgggg accctcagct ccctgacact gccctgtctc 60
cacaggccca taacgacctg tgcgcacgta tkaggcaaag ctgctggcct tcgggatccc 120
tctggacaac gtgggcttca agcccttgga aacagctgtg atcggacaga cgctgggcca 180
gggccccgcg ggactggtgg gcaccccgac gtagctgccc ccctgggggg ccacagccca 240
gagaaccagc ctaggaacac tcgggatgac accccttatc acaccaagga cagcaagttt 300
tttagatttt atcatcagca aatgaaagct tttcacatgt tcttgccatc ctctttcctg 360
gctctgtgga ggagaaccac ctgcaggact ctcacccatg gtgtccctgt cgctcccttc 420
cctgggtgcc gcacgtccag cctgtgtcca ggcctactcc ctggtctcac ctccgaccac 480
agtcggcggc accttctcag agtgccccgc ctcacctggg ggttggggca gtgcgcgctg 540
tgctgcctgt cttcgcgcca ctgttgtccc accgaatgga cagctttgca ggtgctggca 600
ctaacttcat tgacacctga gtcacagctg cccagtggga ttctccaggg ggccgggact 660
tccctaggaa gtggtgagcc aatgctccct gatgagcaca aagcccgctc tgttgagggc 720
tgggtgggtg cagccagcgt gcgggaaagg gcaggcagcc tcccgctgcc agtcttcgct 780
ctaactccct cggtaggtga tgtaggacca ggggcacgtg gaacttctgg gccttgctgg 840
tgatggttaa aacaacctga gatggagagg ccaggagaga gtataagggg atagcagcaa 900
accacctatc tggccccaac acacctgaga gaattcagca gcccagactg agggtctggg 960
atggggtgaa ccttccgcac cagagggaca ctccacagaa gccacagccc agtaagtcag 1020
gcgcttctgc ggcggctcca gtntggggtg aggcagtnag gttaggccca gagagctgga 1080
gttggctcag atgaa 1095

<210> 994
<211> 378
<212> DNA
<213> Homo sapiens

<400> 994
ggcacgagct ggtctcgaac tcctgacctc aggtgattca tccatctcag cctcccaaag 60
tgctgggatt acaggcgtga gcactgcgct gggccaggta catttgtgta tgcagtcttc 120

ttttaaata tttttaaaaa tattatttta aaaaatattt tgtagagaca agctttcact 180
atgtttccca ggctggtctc gaacttctgg cctcaagcga ttcttttgcc tcagcctcca 240
aaactactgg gattacagca tgagccatca tgcccagcta tacagccttc taatttacta 300
aataacgttr atgtgcttga tcatgttccc tggaaaacag accctgagaa ggagatttgc 360
atgcaggaat atttattc 378

<210> 995
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<400> 995
tggaactccg ggacatccct ctgcgtcccc accctcccga cccccaagct cctcaacgcc 60
gaagcgcccc cgaactgccg gaaggaatcc taaaaggagg cagtcttccc caggaagacc 120
caccaacctg gtctgaggaa gaagatgggg cctccgagcg agggaatgtg gtggtggaaa 180
cactccacag ggcccggctt cggggccagc ttccctcctc cccaacccat gctgactctg 240
ccggggaaag cccctgggag tcctcagggg aggaggaaga agaggggcct ctgttcctga 300
aagctggcca cacatccctg cgcccaatgc gggctgagga catgctcaga gagatccggg 360
aggagctggc cagccaaagg attgaggggg ccgangagcc ccgggacagc aggccacnga 420
agctgaatcg ggnccagctg 440

<210> 996
<211> 222
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 996
gtgggttgat acccccttcga attaccccta aaggacaaaa cggacccacg cgggggccg 60
ctctagamta gtggatcccc gggctgcaga attcggcaca gccagattgg gttcccctttg 120
caaaacatcc cccttcctgg agatgatgat gccatcgaag cccgggccag ggcctgacct 180
gcaggcacac acctggccag tggctctgag gtccccggga cn 222

<210> 997
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (769)
<223> n equals a,t,g, or c

<400> 997
gtgcagcatc aacgggaccc tgtaccagcc cggcgccgtg gtctcctcga gcctgtgcga 60
aacctgcagg tgtgagctgc cgggtggccc cccatcggac gcgtttgtgg tcagctgtga 120
gacccagatc tgcaacacac actgccctgt gggcttcgag taccaggagc agagcgggca 180
gtgctgtggc acctgtgtgc aggtcgcctg tgtcaccaac accagcaaga gccccgccca 240
cctcttctac cctggcgaga cctggtcaga cgcagggaac cactgtgtga cccaccagtg 300
tgagaagcac caggatgggc tcgtggtggt caccacgaag aaggcgtgcc ccccgctcar 360
ctgttctctg gacgaggccc gcatgagcaa ggacggctgc tgccgcttct gcccgcygcc 420
ccsgcccccg taccagaacc agtcgacctg tgctgtgtac cataggagcc tgatcatcca 480
gcagcagggc tgcagctcct cggagcccgt gcgcctggct tactgccggg ggaactgtgg 540
ggacagctct tccatgtact cgctcgaggg caacacggtg gagcacaggt gccagtgctg 600
ccaggagctg cggacctcgc tgaggaatgt gaccctgcac tgcaccgacg gctccagccg 660
ggccttcagc tacaccgagg tggaagagtg cggctgcatg ggccggcgst gccctgcgcc 720
gggcgacacc cagcactcgg aggaggcgga acccgagccc agccaggang ca 772

<210> 998
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<400> 998
ggatgttgga aactggctgt agagccgcag tggttcctga tattaaagaa atgttgttta 60
aagctgtttt tcttacaccc tatttgcctt tgaaatttta aaagcattca ctttacacat 120
ctgttttgcc tttttacaaa actttttttа aagagagccc tctgccacca aaatatgctt 180
gacctcatca tcctgagatc actgctatca aaatatttgg tgtatatttt ttccctagct 240

aatttgtgtg tgtatataca ttctatataa ttgttttatt gtgtacaatt tgtgtaacta 300
ttatctgctt taaaggttta acagtacctt tttctgtcat taaatagtgt gcaaaagcat 360
gtgtagtaac tgcactatat gactgtctct ggtccagagc ataaatttct tcactggtct 420
cctgtacang ggtctgcaaa cttttaagtt ggctagccta atacatattt ttagactttg 480
ctggtgatat ggtctcctgt cctaactacn ggaccctggt tttttttaa gaacaaaaaa 540
cgccgcangc tt 552

<210> 999
<211> 681
<212> DNA
<213> Homo sapiens

<400> 999
aattcggcag aggcagtgga gcgcaacttg gtgcgggttg ccgaggtctg gctggatgag 60
tataaggagc tgttctatgg ccatggagac cacctcatcg accaagggct agatgttggc 120
aacctcaccc agcaaaggga gctgcgaaag aaactgaagt gcaaaagttt caaatggtac 180
ttggagaatg tctttcctga cttaagggct cccattgtga gagctagtgg tgtgcttatt 240
aatgtggctt tgggtaaatg catttccatt gaaaacacta cagtcattct ggaagactgc 300
gatgggagca aagagcttca acaatttaat tacacctggt taagacttat taaatgtgga 360
gaatggtgta tagcccccat ccctgataaa ggagccgtaa ggctgcaccc ttgtgataac 420
agaaacaaag ggctaaaatg gctgcataaa tcaacatcag tctttcatcc agaactggtg 480
aatcacattg tttttgaaaa caatcagcaa ttattatgct tggaaggaaa tttttctcaa 540
aagatcctga aagtagctgc ctgtgaccca gtgaagccat atcaaaagtg gaaatttgaa 600
aaatattatg aagcctgaag tgtaactgat gtttttatat agtaaaccca ttaaatactg 660
tgaaaataaa aaaaaaaaaa a 681

<210> 1000
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (672)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<400> 1000
gcgtggggcc gggcggtgcg gtcgcgggct ggggcagtgc agtgagtagc ggtcttgggg 60
tgtgcgatct cgctgagcct cctcacacgg ttcgtcgtct cgggttcgag cccagtggct 120
tagccactcg ccatggactc ccagaaagaa gctctacaga ggatcatttc aactctggca 180
aataaaaatg atgaaattca gaactttatt gatacactac atcatacact aaaaggagtt 240
caggaaaatt cgtccaacat actctcagag ttagatgaag aatttgatag tttatactct 300
atactggatg aagtaaaaga aagtatgatt aactgtatca agcaggaaca agctcgtaaa 360
tcccaagagt tacagagtca gattagtcaa tgtaataatg ccctggagaa ctctgaagaa 420
ctattagaat ttgcaacaag gtcattagat ataaaggaac ctgaagaatt ttcaaaggct 480
gccagacaga tcaaggatag agtcacaatg gcttcagcct ttcgcctttc tttgaaacca 540
aaggtcagtg acaacatgac tcatttaatg gtggatttct cacaggaaag acagatgctg 600
caaactttga agtttttttgc cagtccccaa arctccaana tagatccagt tanaattgtt 660
tgggtgggca anataacttc ctgttncaa 689

<210> 1001
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 1001
gatgattgtt aggatatttt aacaatgaag tatttttaaa ttaaggtatg tattttctta 60
ggcataatgc tattgcacac ttagtaaact acagtatagt ataaacgcaa cttacatgca 120
ctgggaaact gaaaaaatta tgtgacttgc tttattgaga tactcacttt attgtggtgg 180
cctgaaacca aacccgcagt acctgtgagc atgcctatat ttgatacaat aggaactata 240
ttgcaggtag taaaaaatga tgaatagtgt tagttcaaag cgatagatga tttgtatgtc 300
caaattaaag aaaagcatgt atgggaaaaa gattgtcatt tttatgtaaa trataaagtg 360
ctttctgaat tgtatttaaa gaaaagaaga ttttataagt ccaaagaatc acttaataca 420
atgaataaag ggtaataatt taccactttt ggattacctt twatttaaga cataaatttt 480
tcaactcata agctwtttaa aawcttttca cttaaraaac ccggtggaaa atttggntta 540
agg 543

<210> 1002
<211> 469
<212> DNA
<213> Homo sapiens

<400> 1002
aacctttcca cactataaat gatatgacta ctgtttgggg tttctgggcc cccatccgtg 60
tacgtatgtg gcatttccag gtatgactga gtgtgagaga catgtcagag gctcttcagt 120
gatttcttgc tattgaccga tgcttcactg tgccaaaaga gaaaaaaaat gttgggtttt 180
gtaattaaat tatttatata tttttgaaac ccgaattgaa aatgttgcag gcaacgggct 240
acagctttat tagtggttct ctaactgtgg tctccttggg ccaagcaatt tctttaaagg 300
aaaagttgat tatgtatgtg gggtgccagg accactgcct tgaaagcaag tgtgattttt 360
atttttaata ttatttttatt tgtgtctgtg tacatattca tgtataaatt ttatgaaacc 420
caagcatagt gcttatttttt taataaaaca actgacttaa aaaaaaaaa 469

<210> 1003
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<400> 1003
ccgggaaaac nttcaaawgt awscctaaag caactggaag graaaatgaa gcccamtgna 60
gtgagtgaaa aaaactkgaa ggaaagtggn aarattccag agttccawtt cctatcctag 120
gttaaatttg gagacatacc cagagcataa gttaagtaag taattgaaat attggagtgg 180
agacttattt gtctaccgaa ttattgtttt ctttgtcgga catacaccta cactgcattc 240
cctcaaagta aaatttaagt gtggctctgt gcctatgctc tccccagcgg aaagtgacca 300
gaagaggtgt gcagtttccc aggcctggcc catacagacc tccaacaggt gctcccctgt 360
gctgttactc cttctgccaa ctggaagcag atggtgacca ggctctggag aaggcaaggc 420
ctgaagatgg gagattccta agtggaggag aactgtgcct tactgaccta aatatccact 480
cagtattgtt atgtgagaat aaataaactt gtgttgaccg tttaaaaaaa aaaaaaaaaa 540
att 543

<210> 1004
<211> 895
<212> DNA
<213> Homo sapiens

<400> 1004
tgtcttcatt tttcctcctg tctgcattcc tctctctctc tctcctctc tctcctgttc 60
ctctctttct tcctcctctt ccctgccttt ccattttccg ttccttgggt ttgtgtgtct 120
gcatctccat cttacccctt gcctgactgt accccgtaga cccctgtttc tcctcctgca 180
cctgtgtccc catctgccct tcttgttgct cctgtcatgt gtcaccatct tccctcctgt 240
ctgccttctt cctccacttg tgtcagcttg catttttta ttcctgactg agtcaccaca 300
cccctctccc ctgatcaaag ggaatattag tttttaattt ggatcgactg aggtgccagg 360
agaaactgca gtcccaggta tccagacagc caccaggatg gtccctcgcc ccacccccac 420
cgcctctccc cacctttttcc aacgtgttgc atgctgggag ctgggggtg tgggggaagg 480
ggctgccggc ttctttcagg aggctgaggt ttggaggcaa aatcaacctg ggagaccacc 540
ccggccgcgg cgcctcagtg gacaggtggg aggaaaagaa aacttcttac cttggaggag 600
ggacatcccg cttccttatc cttagctttt ttgttgctcc tccccactgc ccctttaat 660
ttatttggtt gtttgcggag ggaggggga gggggtagg ctgggccggg aactgtccga 720
ggtgctgagc tggggcggga ccggaatcct cccggtaggg tcccagggac tgagttggcc 780

tggggccgtg tccaaggtgc caatgatgcg ggccgacaga gcgggccgca ctgtctgtct 840
gtccgtctgt cccggaaaga actataaagc gctggaagcg cctgcaaaaa aaaaa 895

<210> 1005
<211> 763
<212> DNA
<213> Homo sapiens

<400> 1005
gggggcttca tcgctcatag aatatgttat tttcaaagaa gttcaagaat tttcaagttg 60
agcctttgaa aatcccataa attggtttta gctaaacact tactagtagt gtctttaaat 120
tatttaatca accttgtctt ttcaaggaaa ttacccactt aaagagatag ttggtaaata 180
aacatctatg ccttttctca gaaatgattt gctgaactat gtccatattt tacagcttag 240
ataatagttt atatggaaac tattatacat ctgctattgt gcaatgattg ttaaattata 300
ctgaagtagc tctagaaaga cacatgtata caaggcacta ttgtacacac tttgctgaat 360
attttgtcag ttgtatttac aaagaaaggt actttcttaa gagcatatat gttattaata 420
tttgatatga ttttaaagtc agaatagtac agattgctga gtattatact ttaggctaga 480
ttaattaaaa ttgaatactg aaagagattt tttgagttgc aaaaagttta taaatgcaaa 540
gcaaaaagaa aacatttatt ttctgagtct gcaggagaaa caaactaaac attatagttt 600
tatagctgct atcttgttaa ccaaacaggk tgttcataat attaaaaatc ttacgtagtt 660
gtgttaaact gaaccagttc attatacctt atgcattaaa ttaaatatgt tataaggtgg 720
ctttacttgt ctttataaaa ataaatatat ctactaaaca tga 763

<210> 1006
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 1006
ctcactaaag ggaacaaaag ctggagctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccgg gctgcaggaa ttcggcacga gatttttgt gtatgtgttt cttcccagat 120
agctacatta ttggttactt gccaacaacc ccatatactt actattttca aaatctaagc 180
agatagcaaa aagctcacca cagancataa aatgaatgga ttgctttttt aaaaaaagtg 240
gataattgaa tgaataaata catttattgt ctctnattga acctgcttgt aagccctaca 300
tantgcccat acagcctaca aattcacatt ccacatgggc gactccacct gct 353

<210> 1007
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<400> 1007
ggtgatgaac agttctgtat cctgattgcg gtggtggtaa cgtgagtcta tacatatgtt 60
aaaatttata gaactgcata ctctcaaaaa aattagtttt actctataat aatattagag 120
cttaaaaaat tcatccctct tgcccatcag tagatcagga tatgaaggat accattgaac 180
ataaatattt tgtatccatg atgaatacaa agtatattct cctggaaaac caatagaaca 240
ttcatataaa tgattcctat gaaggtaaaa aacttacaaa attcaaagat catacagatc 300
atgtgctctg tataatgtaa taatagtaac aaaaggcctg tccacttgga aatttttaaa 360
tgatcttcta aataactcat ttaaaggaga aatcaaaata aattgcaaat tatttagaat 420
taataaaaac ttctctaaag ctgaggaatt ctaccmaaga ggtgttagag gaaattgtat 480
agattttgaw ttactttyca rggaggaaag gaagrccaaa gagtgratta aacantttaa 540
aagctt 546

<210> 1008
<211> 4015
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4000)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4010)
<223> n equals a,t,g, or c

<400> 1008
ncgggcgcgc gccgaccatc gactcgccaa cgagagaagg tcctggggca cggacaccga 60
cgggttgcga ctgtgacgtg aggtgttctc gcgcgcgcta cgtctccggg tgccgctgac 120
gggcgtgcgc gcttgtgcgg agccggaggt gggggccgaa ccagccaagg ttgcgggggc 180
cgcagagccg gacgaagacg gagggcggag cggcttcggg actgcggaga ctacacaccg 240
agcgagcgcc tgggcccgaa ggagcgatgc tgtggttcca gggcgccatt ccggccgcca 300
tcgcgacggc caaaaggagc ggcgcggtct tcgtggtgtt cgtggcaggt gatgatgaac 360
agtctacaca gatggctgca agttgggaag atgataaagt tacagaagca tcttcaaaca 420
gttttgttgc tattaaaatc gataccaaaa gtgaagcctg cctacagttt tcacaaatct 480

atcctgtagt gtgtgttcca tccagtttct ttattggaga cagtggaatt cccttggaag 540
taatagcagg aagtgtttct gcagatgarc ttgttacaag aattcacaag gtccgacaga 600
tgcatttgct aaaaagtgaa acatcagtag caaatggcag tcagtcagaa agttcagtgt 660
ctactccatc tgcgtcattt gaacctaaca acacttgtga aaactctcag tccagaaatg 720
cagagctttg tgagatacca cccacttctg atacaaagtc agatactgca acaggaggag 780
aaagtgcagg ccatgccact tcctctcagg agcctagtgg atgctcagat cagagacctg 840
cagaggacct caacatccga gtggaaagac taacaaaaaa acttgaagaa aggagagaag 900
agaaaagaaa agaggaagaa cagagagaaa ttaagaagga aattgagagg agaaaaactg 960
gaaaagaaat gttggattat aaaagaaaac aagaagaaga attaacaaaa agaatgctgg 1020
aggaaagaaa cagagagaaa gcagaagata gggcagctcg agaacgtata aaacagcaga 1080
ttgcattgga ccgtgcagag agagctgctc gttttgcaaa gacaaaggaa gaagtagagg 1140
ctgccaaagc tgctgccttg ctagcaaaac aggcagaaat ggaagtcaag agggaatctt 1200
atgcaagaga aagaagcact gttgcaagaa ttcaattccg tcttcctgat ggttcttcct 1260
ttacaaatca gttcccttct gatgctcctc tagaagaggc aaggcagttt gctgcacaga 1320
ctgttggcaa cacttacggt aatttttcgt tagcaaccat gtttcccagg agggaattta 1380
ccaaagaaga ttataaaaag aagttactgg atttggaact tgccccaagc gcttcggtgg 1440
tactgttgcc agcaggaaga ccaactgcat ccattgtaca ctcttccagc ggagacattt 1500
ggaccttgtt gggaacagtg ctttatccat tccttgccat ctggagatta attagcaatt 1560
tcttgtttag taatccgcct cccacacaga cttcagtgag agtaacatcg tcagaacccc 1620
caaaccctgc atcatctagc aaatcagaaa aaagggaacc agtgagaaaa agagtgctgg 1680
aaaaacgtgg agacgacttt aaaaaggagg ggaaaattta tagattaagg actcaagatg 1740
atggtgaaga tgaaaacaac acttggaatg gaaattccac tcaacagatg tagtgtgaca 1800
agtataatat gtgcaataat cattgtttct cttatgattt aattcaacta aaattctact 1860
ggagaagtgg gactgcttta tattttccaa ctggtctata aaatgtctct ttattcctgc 1920
ttagtgggtg tgggttgaag gtgtttaact cagaaaagta aagacaggaa ataactctct 1980
gctaggtcct tgcttatatg gcaaccactg ctagaaccct aaaagaacca aaaatctgcc 2040
acagcctgcc tccatcagct tcttatttag tatttcatat gcccattagc cctatgcttc 2100
agatgacacg ttttgtttag agctactttg ctccaagact cttaagccca aagtaactgg 2160
tatgtcactg agtaacttga ctcggtgtca gagcatttta actagccact cagatgagaa 2220
tttatgttta acttctcttt ttactcatca gctgcaagca aaatcttgta gtttttaatc 2280
ttaaacactg aataaaaaaa ctttccccta aattggaatg atcttagttt tgctttgagt 2340
tttgttatct agcatctttt tgttgcacag ggctctattg aggtcctatg tctctgattt 2400
ttttttccc cagtattgcc ctggagctgt ctctggaaag tagctggcga ggttacctta 2460
actatcactg aagaaagaaa ttttctgaca cactgatggc atgtgacttg tctcctaagt 2520
cagtgaggca tcactttgtt tgcataaagt atacggtttg ttaaggcctt tgttcttgtg 2580
agatgcaaaa cagctgctag tctgcaacct agttttccct ctcaccttta actgacgttt 2640
tgtcctcaat aattacacaa ggacctagag tacctatagg acaaaaagta tagaataaaa 2700
atatgccttt agtcatttgg ttttttcttaa aaagttgaga ttcttaatct gacttacatg 2760
ttactttatc cgtatgtctt tgttagtgga gaccgctaaa ctaatgatgt ttgaaaacag 2820
ttcctctgtt ttagattgga agatagcact ctagagtgga catacggaaa gactgtgact 2880
ttatttttgta atgggaggaa gaaatttttct cagagcaaac tttctatttt ttacctgtga 2940
aataacagtg acttttttaaa atggtgacag tgttggcaag gaaacagcaa cacaggctgc 3000
gctgttggta ggagtgaaaa ccagtataat tcttctgaaa aacatttatc agaaacttaa 3060
aatatttcat accgtttgat ccagtagctt cttctaaatc ataaatgcag acaatgttta 3120
ggtaaagaca tactcattaa gtgttattta ttttactcaa gaactggaaa ccaactaaat 3180
gccttctata gaagtaattt ttgatgagga gaaatggtac aatactaatt aacaacttgg 3240
tttaacatgt ttactgagca tctgttaagt gttgggggaa aaagcagcag gatccagagc 3300
tataggtaca gtgtgatctc agctttgcaa acacattttc tacatagata gtactaggta 3360
ttaatagata tgtaaagaaa gaaatcacac cattaataat ggtaagattg gtttatgtga 3420
ttttagtggt atttttggca cccttatata tgttttccaa actttcagca gtgatattat 3480
ttccataact taaaaagtga gtttgaaaaa gaaaatctcc agcaagcatc tcatttaaat 3540

aaaggtttgt catctttaaa aatacagcaa tatgtgactt tttaaaaaag ctgtcaaata 3600
ggtgtgaccc tactaataat tattagaaat acatttaaaa acatcgagta cctcaagtca 3660
gtttgccttg aaaaatatca aatataactc ttagagaaat gtacataaaa gaatgcttcg 3720
taattttgga gtaggaggtt ccctcctcaa ttttgtattt ttaaaaagta catggtaaaa 3780
aaaaaaattc acaacagtat ataaggctgt aaaatgagaa ttctgccccc tcacctctta 3840
ccccagtact attctccaga ggtaatctat taacaatttc ttatgtaatt ttcagaaaat 3900
ttgtatgcgt atataagcaa atatgtaatc tttatttttt aaataaatgg gatcatatta 3960
tawaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan aaaaaaaaan aaaaa 4015

<210> 1009
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 1009
gaactgttga aaaactgttg tactgatgtc accggtgatt gaaggggtat ctttaattgg 60
ctaatttgaa agaaagycac aaaagaaagg catgaataac caaaatcctg ggatatttct 120
gaaactcagt cgaggtcagt agatctgtct gggactacat tttccatccc agttcctaac 180
aaagtttcat tttcttttct ttattctctg atgtaagagt taacagtgaa atgaccaaaa 240
tcctgaaagc caatggagca acaataaaca tactcagata gattgcctca taaattcttt 300
cmagttagtt tttaaaagta acacattttt taaaagtcca cttkgcaaaa tgataattta 360
atatctgggt atcagnctct ccaaaggatt cctggaaaaa g 401

<210> 1010
<211> 756
<212> DNA
<213> Homo sapiens

<400> 1010
gcgtgcacca gccagacctc atgaactcag gaaggtgctt gtccaggagt tcctggttgc 60
tgtgcccttc acaggcaaag actgcattyc ttcctcagct gycagtgagg tgctgssagg 120
attccctgta gaactktcag gccagtttat gaactggttg gmaccygtgt cctcytcctg 180
gcccaggmag gagaaccatg agcaggcaga aggagacttt gcaaagtgcc ttccccagca 240
tgtgtgccct ctgcccttca gagcctgcag atakkagggg tggcaaggac actgttctca 300
atgagcagaa cctccaagac acccaaagct gcctgtttgc cacctggccc tatgcctgcc 360
ccgttttctc cctcaaggcc ttcacccatg ctagggcagt cacctggaat gtcctttcca 420
ttacccctgc tgtaatgccc agcacagaac ttgatggcag gcctttgcat ggtagcctga 480
agcgatctca cccttctaac tgggtttgcc acaggcacac tggctcatgc ttacctgtgc 540
tgcctgtggt tatagttatg cgaattgtgg ttttacatcc ctaaaacaga agggcacggt 600
gtccagggga tagcacccag cccaacttca gtgtagacct gagctgggag ggaacctgtt 660
agtctcccca cctcttccct gaagagacag gcacccctcc cagccgtggt caacggaggg 720
agtggcactt ctgccttgag tccccagggg aaaaaa 756

<210> 1011
<211> 393
<212> DNA

<213> Homo sapiens

<400> 1011
tcgacccacg cgtccgtaag atatgacagg tggcgacaag tgctgagaag aaaaattgag 60
gagggtgagg gagtagagtg gccaagagcc tgggtttcag cagagggagc tggagaatga 120
acccaggggc gctggagctg ggggcgtggg agagtgtcag agagctggca tgaactggca 180
ggttgcctgg aggggagggc tggttccaaa gccagtctta tagcaatttt tccatttctt 240
gatagtgaac tttggaagag ctaggggtkg ggaagatggg aagttgaacc acctctgaga 300
taaaactctc tgarggggct gargtkgwcc tgggttgggg tgcccctgct actggcmaga 360
gagaagcmaa ctccatatgg aagtaatctg gtt 393

<210> 1012
<211> 938
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (812)
<223> n equals a,t,g, or c

<400> 1012
ccggcatcgg ccaccacgcg caccgggcca cgcccaggcc ctgctcctcg atgccctctg 60
cctgctcctg gacattcttg cacccaagct ccgccccgtg agcacacagc tgtacacacc 120
cgtgaaaagc aacagctggc cagcctggtg ggcacgatgc tcgcttacag cctgacctac 180
cgccaggagc gcacgcccga tggccagtac atctacaggc tggagccgaa cgtggaggaa 240
ctctgccgct tccctgagct gcctgcccgc aagcccctca cctaccagac gaagcagctc 300
atcgcccgcg agatcgaggt ggagaagatg cggcgggcgg aggcttctgc ccgkgtagag 360
aacagccccc aggtggatgg gagcccccca gggctcgagg gtctgctggg gggcattggg 420
gagaaagggg tgcaccgacc tgccccacgc aaccatgagc agcggctgga gcacatcatg 480
aggcgagcgg cccgggagga acagcctgag aaggacttct ttggacgtgt ggtcgtcagg 540
agcacagcag tcccgagtgc aggggacacg gccccggagc aggactcagt ggagcggcgc 600
atgggcacag cggtgggcag gagcgaggtc tggttccgct tcaacgaggg tgtctccaac 660
gccgtgcggc gcagcctgta catcagggac ttgctctagt tctctgagcc gcggacatgc 720
cctcgcattg cttcccgcag agtgcagaga caggaagctg gagatgtctt tataaagtca 780
caccctttaca gactgtaaaa aaaaaacggc angagcatga atgtatgaac tggaggaagt 840
tacttacagt gggaagggtt cttaataaca aggtctacct agcatgaagt atttaacatt 900
ctcccattcc cttaaaaaat atacatttta ttaaatgg 938

<210> 1013
<211> 523
<212> DNA
<213> Homo sapiens

<400> 1013
gaagaaactc actttccctg tggcacgtta atcttcattg ttttaattct gaagcataac 60
gtgccacagg gaaagtgagt ttctttactg tttgccagca gcaaggacaa aaagtgaatg 120
gtgggggccc aggagctccc agcttggaga gaaggccctt ccagacccag gaacccgggg 180
tttggggcag gaggcaggaa ggatgggagg gtgtgatcac cgacacacac acacacgttc 240
tctctcttca gggaagggtt ttccagaagc atttgcccat actctgaatg aagtattttc 300
atgccaagcc aaacctcctg aagagaagtg aattcatggc tgagggagcc acgtgccctg 360

gctggggatg cacctgaacg ctgctcttca gcaagtgagt tcatagcatc caccagagct 420
tcccagctcc tcaagctgaa gacaggctga gcaaaaacca ggcaggccat gaggggattc 480
aaagaaacct aataggattg ggtgcggtgg ctcacctcgt gcc 523

<210> 1014
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 1014
gcaaaaaggt agctggagtg ggtttaaaat ttcgtataat ttcgtatgtg agcaagctgt 60
gtgatttaga ttattttaaa gattaaatgt ttttcaggta ttaatggtaa actataaaat 120
gtttgcttct gtataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg gnggccgttn ta 232

<210> 1015
<211> 423
<212> DNA
<213> Homo sapiens

<400> 1015
ttttagagaa ctttcagagc actgattttt gatagactaa gtggaaaatt tgcagagaaa 60
tgatggttgt aagtggacat gcaaaccaaa attggggatt ggagaagtca gactcactag 120
acttttggtt cgagtactat tgaactctct cctgatgaga agatgtttag ataagtacaa 180
gttaagaaag tagcatatga ctggaaacta tattcagtgc actttctcca aaagactacc 240
cagaaaaata gacttatttt caaataccag ttatcaagat atattaaata gctgtattgt 300
ttagaatctt aatatggtat aaattagcat atgtattcac aatattcatt cagacatcat 360
tcccagacag cagggattta tttaaatgtt agctgtctga gtttttaaat agctaatacg 420
aca 423

<210> 1016
<211> 874
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (802)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (866)
<223> n equals a,t,g, or c

<400> 1016
cattttagcc ctaaattacc tgtggctgtt tctttttatt tttttgacta cttttatatt 60
ataaatgtgt gttactgtct tatgaattca tggcaatata gttggatagc ctggatactt 120
tgttagatga gtatttagct gtgtctgcaa atcttaaaag ccattagcaa agaktcgtgg 180
tatttttttc tttattttta aatgtttggg caccaaacct aaaagcaaaa gattgacgaa 240
rcatgtttct cttaaggcta cttgtatttt acaatacaat attaaattat ttaatttgag 300
aaatttagtt ttgcttatat gcacttttta aatatatact attttgaaga ttccttatgt 360
aaatgcaaat ttcctagtta aaaccgaata acagagatct gaaatgactg agaaaaactt 420
ttttattaaa ggaaggaatt aatttaaggc aatttttaac tatgtagaac taattgccca 480
tgtttaatta tagcagacac gccattctaa caggtatttg ataccattgg atgcattatt 540
ctaggttttt tctttaataa aaatggaaca agttttcatt tacattccaa gctgtcagga 600
aatgaagaat attttattat ctaggatttt atctgatgta gttgcttaaa gatctgatgt 660
gctataattc catgaatcag aaataataaa atgctatcat tctggatctg aagacttttg 720
atacttttttc aaaagcaaaa ttaatttcag gaacctttga taagttgttg ttataattaa 780
tctaattttg tatagttttt gnaaataaat taccatcctt cacaattagg gatgctttta 840
tccccccatc actaaattgc agttgnttga tacc 874

<210> 1017
<211> 1287
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1286)
<223> n equals a,t,g, or c

<400> 1017
ggcatataag gaatcttcaa aatagtatat attnaaaaag tgcatataag cacttttaa 60
atatatacta atttgcattt acataaggaa tcttcaaaat agtatactat ttgaagattc 120
cttatgtaaa tgcaaatttc ctagttaaaa ccgaataaca gagatctgaa atgactgaga 180
aaaacttttt tattaaagga aggaattaat ttaaggcaat ttttaactat gtagaactaa 240
ttgcccatgt ttaattatag cagacacgcc attctaacag gtatttgata ccattggatg 300
cattattcta ggtttttttct ttaataaaaa tggaacaagt tttcatttac attccaagct 360
gtcaggaaat gaagaatatt ttattatcta ggatttttatc tgatgtagtt gcttaaagat 420
ctgatgtgct ataattccat gaatcagaaa taataaaatg ctatcattct ggatctgaag 480
acttttgata ctttttcaaa agcaaaatta atttcaggaa cctttgataa gttgttgtta 540
taattaatct aattttgtat agtttttgta aataaattac catccttcca caattaggga 600
tgcttttatc cccccatcac taattgcagt tgtttgatac caaaataaat ttacgtagag 660
atccttaact taaaataaat taatttttttc aaaaaacata aatctggaac tgttgtttct 720
atatttgata acaaatacag tatattttat ttataagcca tggtctactg atactgtatg 780
aggactttcc ttatatataa aagttgcagg gattgtgttt tattagctgc tttaattatg 840

ttaattttag agagttttta aatggaaata gaggacattt atgaaacgct ggaattgcag 900
ttacaaattc tttttgttgt tgttgttcct gaacatgcct tggaataatt ctaccatttt 960
ttccccctcc ataaatcttt ctaataaagc atagaaaaag cctatatgat tttaaatgcy 1020
tctcttaagc tggtaaacag atttgagtta tgagttcatt gttattgcct tcaagatgaa 1080
aagacagtga tataattttt ctatttcaac ttaaaagtaa tagttaatat gctaaagtag 1140
tacagaataa actttattgc tgcttactaa ctacaaaata ctgtagatgg catctgtatg 1200
attaaacata taaagtaaaa caggtctgag ggctttgtag atgattaaag tctccacctt 1260
catgaaaaaa aaaaaaaaaa aaaatnt 1287

<210> 1018
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 1018
attgtgatga gttatccagt aacttacagc atatcagtgc tttctgattc ataagataag 60
tctgttcttt aaaagtactt aactaaagta tatgctacta caataaaaag ccttsaagta 120
tgtcaatatt aatccccaaa ctacctcaag aaatcccttt aacctccaga aattatcact 180
gtataattga catacaactg aaaaatacag cacatcgaat ctagcaattt atcctattaa 240
ttgccttatt aaggtaacat ctttcaaagg gaaaaaaata aattttagta atgtttcagt 300
catctttaaa tctaaaattg tgaagacatt ctgaaacttt gcttagttta caaatataaa 360
gatttccata ctgacaatta ccaaatacca aataccttta ctggaaagaa acctagtgta 420
aaacnattac cgggatcaag tagcctaaaa tttagtangg ng 462

<210> 1019
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<400> 1019
cactacccta ntaaggaggt catctctcct aaattatatt caccctgact gtggggataa 60
tcatactcct caattcaggg natactatta ttatcagtct gtccaaggcc tctgttggct 120
tattttattt ttttaccccc tttatcacta ctccccccatt tcctccnaaa ccttcataag 180
caaaaactta attgtctggc atctgtcttt ggatatggag tgtttctttr aaaaawatta 240
agtgttgttt tacatatatg tgtgtgtgwt twaaattttc ataaatggca atatgctatg 300
aatagccttc ttttatattt ttcattaaat actctttcaa aatgaatcca tgatacagca 360
tggccc 366

<210> 1020
<211> 750
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<400> 1020
ggaagaacca gcagtgaaag atggantagg aagcagaggg aagaggggaa ggatgtgttc 60
acaggagagg ccaagaggca gcgggggtgg gatgagggtt gcaaagcgtg aatttatgca 120
tttctccagt ctaggtttag ttagtatact ccctgtgaat gtcaatacct gtaaatgata 180
cttttaatga agggagatta tccccttgaa tgtttggttt gtatcttgtc ctagacccag 240
agttgccatt ctctaaatat ctaaatgact attattattt tatctctctc ttttacacac 300
acacgcgcac acacacacac agagaaatgt tgtttatgag attttgtata tttcacatac 360
ttcatattct ttatatgata gatgaataat gtgtagtttt tcaaagtttt gagttaatta 420
caatttaggt actatttcta aaaggaagat atatttgtgt tcttactttg gtggctgaga 480
ttacttaaag gggataattt gctcccaaat tcctaagaat ggtacaggaa ttctaaggtg 540
actaattctt atttcatttt tttatgaata cttttatctt gaaatgtgta atacaaatct 600
ggtcagagtt ctatataaaa attatattgg gaatcagact tatgtgtgtg tacttttttat 660
ttgatattta ataatgccct aagnaggtaa ttcaaatttt tattaaagtg aaatgatttg 720
acagtcagac tttgaattta atgcatgcat 750

<210> 1021
<211> 1333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<400> 1021
acaaggtttt gaacgacaga ctacagctgc tgttggagtg ctgaaggctg tgcactgtgg 60
agagtggcct gatcaacccc gtttaaccaa agatgtaatt tgttttcatg ctgaagattt 120
cttagaagta gtncaacgaa tgcagttaga tttacatgaa cctccactgt cccagtgtgt 180
ccaatgggtt gatgatgcaa aactgaatca actgaggagg gaaggcattc gctatgccag 240
gattcagcta tatgataatg acatttattt tattccaagg aatgttgttc atcagttcaa 300
gacagtttca gctgtatgca gkttagcatg gmatattcgg ctcaaattat atcactcaga 360
ggaggacamt tctcagaata cagctactca tgaaacaggc acatcatcag attccacatc 420
atctgttctt ggacctcaca ctgacaacat gatttgtgct gtaagcaaac ctccttggat 480
tctgtttttt cagataaact tcattctwaa tatgaattac agcagattaa acatgaacct 540
attgcatctg taagaatcaa ggaagaacct gtgaatgtta atattcctga aaagactaca 600
gcactgaata atatggatgg caagaatgtt aaagcaaaat tggatcatgt tcaatttgca 660
gaatttaaga ttgacatgga ttctaaattt gaaaatagca acaaagattt aaaggaagaa 720
ttgtgccctg gaaatctaag tctagttgat acaaggcaac acagttcagc acattcaaat 780
caagataaaa aagacgatga cattttgtgc taaatttgca tataccatct aaaatccttt 840
tttaaaaaaa tttaatgtaa taaagattca tgaattctga aagcaagcca aggacttgct 900
cctatgtctg ttacaaaaca tagtttatgt agctttgtaa cattcctcag tgcctgtcca 960
taactgtgaa gtattaagca cttagggcca gatgcactgt aaacattgca ggtttaaaca 1020
taaaggagtc tttaaaaaaa aatcatttac gttggaattt taggttttag aatagagctg 1080
acattaacat atatatatat atataaatat atatatatat tttgtaatat gagccagaat 1140
tctttttcaa caatttaaag cttttccata gagcttattt atatcctttt ttttcatttt 1200
aaatgtgtca gcactgtagt gtaaatagct tttaaatatc tttttagtgt gatttatact 1260
gaaatgtgag ccacttaata aaggttcata tgttcatatt aaaaaaaaaa aaaaaaaaaa 1320
aaaaaaaaaa aaa 1333

<210> 1022
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<400> 1022
ggcagagcta aaataatgac tacctaacac ctgggtaaat atgtctccag acctttttcaa 60
tgtgcatgtg tacataagct tgtatttttc ataaaaaagg aatcctgata catattttat 120
aacatacttt ttttcattta acatactgag gcatttaaaa ttttcagttt gtttttattg 180
tagcaaacat gtagtaaggg tttggttggc tttcagtgga taaaaggacg gtatccaaag 240
gggggtttga atttcccact tctgggaaca gactcctatt aaagttccag gggactatct 300
gcagtggsgt gctgaacaaa agatatcagc agtgctcatc attgtagtaa cttgggtaac 360
tcctccaaat actttgtgtg aactatcaga aatctttggg aatttttttaa tgtacattct 420
tgaaattctg aatgtacaaa tatggagttc catttaaagt tttttttttta attttaagtc 480
ttgcatccat taatgtattc tcttaaactt ttatccttat atatttatna gctctgaaat 540

cttgggccac taggcacttt ggggg 565

<210> 1023
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<400> 1023
ctggcagtct gtgcaccgga gttggctcct ttccctctta aacttgtgca agagatcgct 60
gagcgatgaa ggtagaatta tggtcctcct tgcccttgcc tttccttttt gtgatctcaa 120
agcatcctcc ctccgccctc attccatggc cccagttccc tactcccaca gctgtctgct 180
gaaactgcca acattactca attgtttctg gggggaggaa catttttttt tgaaacaaaa 240
tagatatatg aaacagtaca cgggaattaa cacgaatatt taaggtaaaa catgaccttg 300
aagattatga aatccatctt attttggccc agaacggggg cattgggctc cttgggccat 360
aggggagctg gggaggacag ggtgaagagt tagctctaag ccctctgctt ggagatgctg 420
taaatacaga acgcaaaatc accttcgaag ttaaagacgc gaaagttctt cttttctcng 480
gcccttcttc ccttcccccc ggccatttcc ttccagtacc antng 525

<210> 1024
<211> 908
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<400> 1024
gtgatggact atcgcgacgt agatcaaata agtataaaat gcctcagttt tgtccttttt 60
agtgcaacat aagtactggt ataccctatc ctaattaggg atcatttgaa agcttttccc 120
aaattgaggc cntgctgcct tctccccatc ccctggggtt ttaaagtgat ttcaaactgc 180
aacctagttt tagaaccact gttctgggta gttgggatac tgaaggcata ttgttaatta 240
ttctacttgt atgttttgct aattctaaga taagcatttt tccagaaacc aggatgtaga 300
atccagytgc catygacatc ttaacatttt aggaaacaac tttaaaatga tatactatct 360
atctatctat ctgtagcaty ttaaaggtaa tgaaattaat gtggcagtag gtcttttaag 420

cttctgccta catccatatt gagtatagtt gttgtcttct aaaataatta attgattttt 480
ggtgagataa ccagattcat attttaagcc ttttgtaatg gccccgtggt acctggagtc 540
aaggttcaga agtaaaaagt tccttaaggt atcaataaca aaaatttgta ttaatagttc 600
agtcctaaag cagtgttgct gagattatgt ttcaccagca tttacaagct gtatgttaaa 660
tgctgccata aagaggtctc tgaagccgta gggcacaccc aaggcagggc tgaraagtac 720
ctagtagtgt gcmccmcccr aaaaccatgg atggcagcag ccacatytcc agcttaccca 780
ttcactgccm cagtytacag cttaagacmc ttaactacaa ggtaaaagaa aaggrccaag 840
taaatacaaa aagtttytta ttaaaaaact tggaagccca aaaaaaaaaa aaaaaaaaaa 900
aaaaaaaa 908

<210> 1025
<211> 421
<212> DNA
<213> Homo sapiens

<400> 1025
gggtacggta attcccaagg taagctcttg atctagatct tggggcctat agaaatattt 60
ttaagggaca tcaaagggtc ttgggaaatc tgcctagtga gggtaagcaa gatgaaagag 120
ggaaagttgt tatggttaat agtttgttag gaactccctt ccaagaggca agcttttgtc 180
atctctatgg aatttgaggg cagttggaca atttgcaagg atattctcac ctgttcatta 240
aggtcccttt cctccagtaa gagaatggct agggtctgtg ggataatctt aagcacctac 300
tgttgctttt ttgttgtttt gcttatgcaa gtgatcattt atttttagg agtgatttgg 360
aggaagagta tgaggcaagc ttgtttttct ccagtgtaat tgatggtcac catgcatggt 420
t 421

<210> 1026
<211> 887
<212> DNA
<213> Homo sapiens

<400> 1026
gattgcgtaa cagaactttc tgtacatcac agaaacaaca ggcaaacaat ggaggattta 60
atttcactgt ggcagtatga tcacctcacg gctacctatc ttctgcttct agccaagaag 120
gctcggggaa aaccagttcg tttaaggctt tcttcyttct cctgtggaca agccagtgct 180
accccattca cagacatcaa gtcaaataat tggagtctgg aagatgtgac cgcaagtgat 240
aaaaattatg tggcgggatt aatagactat gattggtgtg aagatgattt atcaacaggt 300
gctgctactc cccgaacatc acagtttacc aagtactgga cagaatcaaa tggggtggaa 360
tctaaatcat taactccagc cttatgcaga acacctgcaa ataaattaaa gaacaaagaa 420
aatgtatata ctcctaagtc tgctgtaaag aatgaagagt actttatgtt tcctgagcca 480
aagactccag ttaataagaa ccagcataag agagaaatac tcactacgcc aaatcgttac 540
actacaccct caaaagctag aaaccagtgc ctgaaagaaa ctccaattaa aataccagta 600
aattcaacag gaacagacaa gttaatgaca ggtgtcatta gccctgagag gcggtgcsct 660
cagtggaatt ggatctcaac caagcacata tggaggagac tccaaaaaga aagggagcca 720
aagtgtttgg gagccttgaa agggggttgg ataaggttat cactgtgctc accaggagca 780
aaaggaaggg ttctgccaga gacgggccca gaagactaaa gcttcactat aatgtgacta 840
caactwgrtt agtggattcc cggttcaact gtttggatgg aattaat 887

<210> 1027
<211> 461
<212> DNA
<213> Homo sapiens

PAGES 666 – 682

MISSING AT THE TIME OF PUBLICATION

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<400> 1053
gctcgaactg tatggctgca tttacccctc tttgcaccta atgtccatga atatctaagt 60
tcaagagaga tgagctcagt tcctaggtca tgccccagtc tgtagtgaca tgctcctgta 120
tgtaacggaa atggccatgt ctacaggagg taaaatcaca ccaacctggg aagaggaaaa 180
gccagtgagg ggcagtacag caggggcagc cctctccact gaargcagtt gtttgcctga 240
ctccatggca tttgtgtcca ttagagtcta raagargtgt tggcaaactt tctacaaagg 300
gccaratakt aaatattttt ggctttggaa rctaratggt ctctgtcata accactcmac 360
tccgccattg tagtgcaaaa gcaaccatag accatatgta tacnaatgga tatgggcctg 420
gtccaataaa aacttttatt tacaaaaagc aaggcnantg ggccca 466

<210> 1054
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 1054
ttcggntaaa aaaaaaaaaa aggactgtgt aaggttactt aactcctctg gggcttgtcc 60
atcttatctg caaaaatggg gatccnctag cgtgtatctc gctgagcggt acagatgaac 120
tatgtaaagc atttggccca atgcctggca ctgctaagca tgcaataaat ggaagttact 180
atcataatgt gtaacacata taattatgac aattatattt ccaagatatt ctgggatctt 240
tacagtttca taattttgct ctttttacta tacaacactc cttttattga aacaaataca 300
gattttggag tcagacagac ctagtctgga tttgaattcc agctctcctt cttaccagcc 360
tggggccatg gagaatgttg tccatttccc tgagcctcag tgttcttctc tgtaaaatgt 420
ggatgatacc tgactcccag gcattttgcc aggattacat gggattccta cacagtgcaa 480
tgtctagtga taatataaat actaaaagca acttgttaaa tgtataaata aatgtgattt 540
atttttgctc ctttaaa 557

<210> 1055
<211> 2872
<212> DNA
<213> Homo sapiens

<400> 1055
catgcctgat ggagccactt tggctattgg atcttcccgg gggaaaatat atcaatatga 60

tttaagaatg ttgaaatcac cagttaagac catcagtgct cacaagacat ctgtgcagtg 120
tatarcattt cagtactcca ctgttcttac taagtcaagt ttaaataaag gctgttcaaa 180
taagcccaca acagtgaaca aacgaatgtt taatgtgaat gctgctagtg gaggagttca 240
gaattccgga attgtcagag aagcacctgc cacgtccatt gccacagttc taccacaacc 300
tatgacatca gctatgggga aaggaacagt tgctgttcaa gaaaaagcag gtttgcctcg 360
aagcataaac acagacactt tatctaagga aacagacagt ggaaaaaatc aggatttctc 420
cagctttgat gatactggga aaagtagttt argtgacatg ttctcaccta tcagagatga 480
tgctgtagtt aacaagggaa gtgatgagtc cataggcaaa ggagatggct ttgactttct 540
accgcagttg aactcagtgt ttcctccaag aaaaaatcca gtaacttcaa gtacttcagt 600
attgcattct agtcctctta atgtttttat gggatctcca gggaaagagg aaaatgaaaa 660
ccgtgatcya acagctgagt ctaagaaaat atatatggga aaacaggaat ctaaagactc 720
cttcaaacag ttagcaaagt tggtcacatc tggtgctgaa agtggaaatc taaatacctc 780
tccatcatct aaccaaacaa gaaattctga gaaatttgaa aagccagaga atgaaattga 840
agcccagttg atatgtgaac ccccaatcaa tggatcctca actccaaatc caaagatagc 900
atcttctgtc actgctggag ttgccagttc actctcagaa aaaatagccg acagcattgg 960
aaataaccgg caaaatgcac cattgacttc cattcaaatt cgttttattc agaacatgat 1020
acaggaaacg ttggatgact ttagagaagc atgccatagg gacattgtga atttgcaagt 1080
ggagatgatt aaacagtttc atatgcaact gaatgaaatg cattctttgc tggaaagata 1140
ctcagtgaat gaaggtttag tggctgaaat tgaaagacta cgagaagaaa acaaaagatt 1200
acgggcccac ttttgaaatt tcagtgaata ccttaatgtt ctgtaatttg ggaagtttct 1260
ggcaacacag aactacatag aatcagtatt gttttcatgg cctccaggga aaaaatgttt 1320
ttcaagtaag agtaaaaggg tgatgggatt ttataccaac aactgtttca tcttaaaaat 1380
atgtatattt ttatattaaa aattgtacag tatgtcatct accccaatag gaaagtcaac 1440
aggatcttta ttttttgaaa gctttagcca tccactaagt gccctttttc ataagagaag 1500
aaaattgtgc ataaaaattg gttatgtttg ttttttagtc atctttttta acatatattt 1560
ttgattgaca aattgccttt caaatttttg gggctagttg agatttaaag agtttgatat 1620
gccttctatt tttatggaga aagtaatttt aaaatggcaa ttggtgtttc taagccattg 1680
actaataaaa catagggttg gctagtaatt attttgttaa cttgatgaag tcaagtatga 1740
ctattattta ttgtacattt gataagacaa tttttggaat tttgaattgc acaaattaca 1800
tgatatcttt tgcatttatg ttactatatt gtacttctga caaatcttta ttcctgggtg 1860
gtatttttaa gatatcttta cctataaaaa atgtttaagg ttcataggac tcgacaagag 1920
ctatctggtg attttctcat tagtaacatg caacgttgta ctgcaaaatt tcaatcaaca 1980
tgacaactta taatgagtgg agatttcata ttaggtacta aatattatag tattatttct 2040
attttctttt tccaaataag aagcttggat tattttattt tgtggtcttt atcattaact 2100
ttaattcttt ctgtactgtg tataatattt ttatattatt ggccttacca taaaattatt 2160
tagaaaggtt gtcaaaataa gttatacctc tttggcaata gatagatgta tacatctacc 2220
tactatgatc tacaatttta ggttaagtga agcttggggg ggctactgac ttggttacct 2280
tcttgtctct tgtcccaaag atttaaacta tgtacctttg tatagctctt ctgccccatt 2340
ttgacttctg agatgaaagt atttactaaa attaaaaaaa aaaaaacaaa aaacaaacct 2400
ttagctcact aactttatgg gtttctgaag tgatggaaat ttttaaggat atatttaata 2460
agcataaact tactaataat tacttccaaa aataaaaaca ggaatattac ttttacccag 2520
tgtggtttat agcatacatt tgtactgaag catataggga tgttaatgtg atcttttcct 2580
gacagattat gaaagcatta tgacttgtaa caagtttcct tgtatatcac taacaggttt 2640
agaagacata aatattagtg tgttttgcct acatggtgta tttaaatcta ttaatatttt 2700
cctgttgctt ttttaaaaaa ataaatacac ataatgtata ttaaaagagg tgggatgaaa 2760
taattttagt aattatgtgt acagatgaaa catttttgtc atggaattta aaagctaagt 2820
aagtataaaa aataaaatgt tatatgcaaa aaataaaaaa aaaaaaaaaa aa 2872

<210> 1056
<211> 552
<212> DNA

BNSDOCID: <WO___0122920A2_I_>

<213> Homo sapiens

<400> 1056
gtagactaga gaaggcattt ggagatcgtt ttagtaaatt atcttaacca atctaaaaat 60
acttctgaac tgtcaaccag aacacagaaa tcctgtatta cttgctgtag tctggacagt 120
ttaggggaac gtggcaccga tctcatcttc accgtcgatc agtggttctc tgacttggtc 180
cagtggccgc acaccagcta gtgaagaaaa ccacagactc caactgcact gtgtacgstc 240
tggtgtcctc atttccaaaa aaaaaaaaaa aaaatctcca agatagagtt taagaaatct 300
catttgagtt gccctgctaa tatttgcagc tcgctggtgg gtgccgtgga ggccagtact 360
caccgtcagg ctgtggcagg tacagtgaaa ggaaaaactc catgagagaa cggtggaaag 420
ttcacctgag agtgaaacgc atgccagtta gagtggctga aaaatagcat ggacaacacc 480
agctagtgaa gaaaaccaca gactccaact gcactgtgta cgctctggtg tcctcatttc 540
caaaaaaaaa aa 552

<210> 1057
<211> 871
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (754)
<223> n equals a,t,g, or c

<400> 1057
cccacgcgtc cgcagagaag tacagagtct taaggaacaa catcaaaaag aaatatcaga 60
actaaatgag acatttttgt cagattcaga aaaagaaaaa ttaacattaa tgtttgaaat 120
acagggtctt aaggaacagt gtgaaaacct acagcaagaa aagcaagaag caattttaaa 180
ttatgagagt ttacgagaga ttatggaaat tttacaaaca gaactggggg aatctgctgg 240
aaaaataagt caagagttcg aatcaatgaa gcaacagcaa gcatctgatg ttcatgaact 300
gcagcagaag ctcagaactg cttttactga aaaagatgcc cttctcgaaa ctgtgaatcg 360
cctccaggga gaaaatgaaa agttactatc tcaacaagaa ttggtaccag aacttgaaaa 420
taccataaag aaccttcaag aaaagaatgg agtatactta cttagtctca gtcaaagaga 480
taccatgtta aaagaattag aaggaaagat aaattctctt actgaggaaa aagatgattt 540
tataaataaa ctgaaaaatt cccatgaaga aatggataat ttccataaga aatgtgaaag 600
ggaagaaaga ttgattcttg aacttgggaa gaaagtagag caaacaatcc agtacaacag 660
tgaactagaa caaaaggtaa atgaattaac aggaggacta gaggagactt taaaagaaaa 720
ggatcaaaat gaccaaaaac tagaaaaact tatnggttca aatgaaagtt ctctctgaag 780
acaaagaagt attgtcagct gaagtgaagt ctctttatga ggaaaaaatw aactcagttc 840
agaaaaaaaa ccggttgagt agggatttgg a 871

<210> 1058
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<400> 1058
gctcgaactc ttgagttcaa gcaatccacc tgcctccacc tcccaaagtg ctgggactac 60
aggcgtgaat cagtgcacct ggcctgatag tcacctttga agagttgtga tataccattt 120
tactagataa atggtaatat gccattataa tgcaactcaa tgtagatgag tctggaagag 180
gctgggctca aatggtccca catgatccag ggatagaccc agagtttcca gaggaatggg 240
tggataacac ttattcaaat aagaatccct tcttactctt ctcaataaaa cttttgtcaa 300
agataatcga cagactgtag ctatactctg tggtgattgt ctggagttac atgttgctga 360
ttganggtga attcatatgc tttagaaact agaancgcaa gtgttcangt tgctaatctg 420
ctttggaaat gaanggacca gtgaagacct tcactcgcaa tgaargtgtw cttttctatg 480
caattaggct cttggctacc tgccagaaaa accagatgtt ttcctactga agcaatttca 540
aaag 544

<210> 1059
<211> 597
<212> DNA
<213> Homo sapiens

<400> 1059
tctgtgccat gagaaactga gcctactaga agatttcaaa gacttcagag attcctgcag 60
ttcatctgag agaactgatg gaagatattc caaatacagg gttcgcagaa attctcttca 120
gcatcaccaa gatgacacca agtacagaac caaaagtttc aaaggtgaca gaacctttct 180
ggaaggttac cacactcgtg ggttagatca ctcatcctct tggcaggatc acagtcgctt 240
cctgtctagt ccaagatttt catacgtgaa ctcatttacc aaaagaactg ttgctccaga 300
ttcagcttca aacaaggaag atgccacaat gaatggaaca agttcacaac ccaaaaaaga 360
ggaatatggg agctaaaaaa gcaaatgtaa tttgttattt tacatgagta tgttacaaat 420
aataacatct ctattcttac agcaatttgg cccagattat ctaacagaca tacctgcagc 480
tttggctctt tggtattgcc aaacattgac aaaagtgaca atactgttgg tccttgtgaa 540
tggtaaacca atccaaataa tatcagatca tgaatgatgt gcagctaatt tatttgc 597

<210> 1060
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<400> 1060
ccgtagggct gcatagatga gcagaacgag gccagcaaga ccaatgggct gggggcagca 60
gaggcattcc cctctggttg tacagcgaca gctggngaga gaaggcagca gccctgaagg 120
cagtaccagg aggacgatcg aggggcagtc tccggagccg gtgttcggag atgctgatgt 180
ggatgtgtct gcagttcagg cgaagttggg agccctggaa ctgaaccaga gggatgctgc 240
agctgaaact gagctcaggg tgcacccacc ctgccagcgg cactgcccag agccgcgagt 300
gcacccgaag aaaacaaagc caccagcaaa gctncccaag gtancaactc aaaaaccccc 360
atctttagcc ctttttccan cgtcaagccc ctgcggaaat ctgctacttg ccaggaaatt 420
tggga 425

<210> 1061
<211> 593
<212> DNA
<213> Homo sapiens

<400> 1061
ggttctagat cgcgagcggc cgtccttttt ttttttttt tcagttcaag cgcaattttg 60
ccaccaattt gattacgaaa aatctttcgg gcttccaggg agctttggag cctggaaatt 120
gcagatgagg gatgggggcc tgcactgttt cgcggctggg gagagggagc tcatccgaag 180
tcttccgaca gaggtgggcg tcatgcccga cgctgagcgg agtgggtctc ctcgagccca 240
ggctccctgc gggcgctgtc ctcagcgagc ctccccgcct ccgcgcccgg ggtcgtacct 300
gcttcacgat ctcctaccgc ggcgggccgc gtacctcctg gatggcctct tagacgttct 360
ctgagtcgct gcgcgacagg ggcagcaggc acacccagga gcccgctacg ctgcaggcct 420
tgaagctgcc gctgcttccg aggttgccgg cgggaggcga gacgacggcg cgcgtcaggt 480
cgtccaggga ctgcgcgggc cgcacgggcg ccgtgggccg caggtacagg caggcgggca 540
ggccggtgta ctcgaagggg tgctccacca gtacgtacac gtccccctcc aca 593

<210> 1062
<211> 332
<212> DNA
<213> Homo sapiens

<400> 1062

ggcagagctt tattaaagta cagtattata agaaatcaca ggcgtgagca cctgcgtcca 60
gccaaaaagc tatttttgaa tgtgatctgt gtgaaaataa ttccctatgg tatgacatat 120
gataggcagg gatgatgtat ctcakaaatc atactcctgt cttgatatcc catcaaatat 180
caatgtttac atttagcgtt tggatgtctg gcaggacatt aaaaaattgg cagagctgtc 240
ccacacatgc agaacatcta tagcgttctt gcctcctcaa aggtaatctt catgtgacaa 300
caacaacaac aaaaaaaaaa aaaaaaaaaa tt 332

<210> 1063
<211> 2340
<212> DNA
<213> Homo sapiens

<400> 1063
aggcgctgcg gagacgcgta gaggagcgcg ccccccggcc gmtgccgmcc ctggcccgtg 60
ccgtcacccc gcttctccgc gcctcgggcg gtacccagcc agtccccagc gccgcgctac 120
cgcgctgacc ggccctccag acgcctcccg gtacccggga ccccagcccg gccgctcgcc 180
cgcagcccgc cggccgcaca cgtccccgga gccgggccta gggcgggcgg cagggcggct 240
cggcgcagtc aggctgggct ctgtagcgtc cccatggccg cggccggctg gcgggacggc 300
tccggccagg agaagtaccg gctcgtggtg gtcggcgggg gcggcgtggg caagtcggcg 360
ctcaccatcc agttcatcca gtcctatttt gtaacggatt atgatccaac cattgaagat 420
tcttacacaa agcagtgtgt gatagatgac agagcagccc ggctagatat tttggataca 480
gcaggacaag aagagtttgg agccatgaga gaacagtata tgaggactgg cgaaggcttc 540
ctgttggtct tttcagtcac agatagaggc agttttgaag aaatctataa gtttcaaaga 600
cagattctca gagtaaagga tcgtgatgag ttcccaatga ttttaattgg taataaagca 660
gatctggatc atcaaagaca ggtaacacag gaagaaggac aacagttagc acggcagctt 720
aaggtaacat acatggaggc atcagcaaag attaggatga atgtagatca agctttccat 780
gaacttgtcc gggttatcag gaaatttcaa gagcaggaat gtcctccttc accagaacca 840
acacggaaag aaaaagacaa gaaaggctgc cattgtgtca ttttctagaa tcccttcagt 900
tttagctacc aacggccagg aaaagccctc atcttctctt tctctcctca gtttacatct 960
tgttggtacc tttctagcct tagacaaatg atcaccatgt tagccttaga cgaagaagct 1020
ggctagtcct ttctgtgaag ctaatacaat ggtcatttcc agacaaattt aaaggaaaca 1080
ctaaggctgc ttcaaagatt atctgattcc tttaaaatat atgtctatat acacagacat 1140
gctctttttt taagtgctta cattttaata gagatgaatc agttttggaa tctaagctgt 1200
ttgccaagct gaagctacag gttgtgaaat aatttttaac ttttggaatc atactgccta 1260
ctgttactct aaatagaaat atagggtttt ttttaatgtg aatttttgcc tatctttaaa 1320
catttcaatg tcagcctttg ttaaccttaa atacactgaa ttgaatctac aaaagtgaac 1380
catctcagac ctttactgat actacaactt ttgttttctg atggccaaaa taccaaatgc 1440
ctgttgtatt tatggattaa aaactgctta taaaaccctg tgttactact cctactcttg 1500
gagatgataa tattctatgt ggtcaaatat ttggactcat ttaggactta gatatttcag 1560
tgtacttgat tttttaattt aactcttttt cacagccacg ctaagggtaa aaaggaataa 1620
tttccttctg tcttcctttt caagtatttc tgggtaaggg attcaaaaaa ctaaaactgt 1680
ttttgtttgt aatataaaat atggaattga tctttccagg gtcagagatg attaatgttt 1740
ttgctatata cttttataca ttatttttctt atcaaactag ttaacaagta tttttatatg 1800
tttgtaagca gatatgcttt catagcatac cttgtgtata tgtaaagata agtatttaat 1860
tctcactgtt cacttttaac tgacaaagaa aaacaagtgg aaactacaga aactgtggta 1920
gaacttttac ttgctggtct ggtcttggtt gtacccatct ttggccagtc acataactac 1980
tcaagaaacc ttcccaatag agtacaacag gatgagactc tgaaatcact ttcagtattc 2040
cctgctagat attgattgtt atttcaagta ttaagtgtaa gcttttaatg gataattagt 2100
ataactgtgg atggcatctg attttgtttt taattctgtg gattgtgttt aagcaattca 2160
atagtatgtt cctgattttg agatgctaag tggtattgca cagttgtcac tttatcaagt 2220
gtgtacaaca gtcccatgaa gtttatagag catacccttg tatagcttca ggtgctagaa 2280

ttaaaattga tctgttatca caaaaaaaaa aaaaaaaaaa aaaggctctt taattaggcg 2340

<210> 1064
<211> 1647
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1629)
<223> n equals a,t,g, or c

<400> 1064
gcggccgctg aacgggacgt accaccacca ccaccaccac caccaccacc atccgagccc 60
ctactcgccc tacgtggggg cgccactgac gcctgcctgg cccgccggac ccttcgagac 120
cccggtgctg cacagcctgc agagccgcgc cggagccccg ctcccggtgc cccggggtcc 180
cagtgcagac ctgctggagg acctgtccga gagccgcgag tgcgtgaact gcggctccat 240
ccagacgccg ctgtggcgcg gnacggcacc ggccactacc tgtgcaacgc ctgcgggctc 300
tacagcaaga tgaacggcct cagccggccc ctcatcaagc cgcagaagcg cgtgccttca 360
tcacggcggc ttggattgtc ctgtgccaac tgtcacacca caactaccac cttatggcgc 420
agaaacgccg agggtgaacc cgtgtgcaat gcttgtggac tctacatgaa actccatggg 480
gtgcccagac cacttgctat gaaaaaagag ggaattcaaa ccaggaaacg aaaacctaag 540
aacataaata aatcaaagac ttgctctggt aatagcaata attccattcc catgactcca 600
acttccacct cttctaactc agatgattgc agcaaaaata cttcccccac aacacaacct 660
acagcctcag gggcgggtgc cccggtgatg actggtgcgg gagagagcac caatcccgag 720
aacagcgagc tcaagtattc gggtcaagat gggctctaca taggcgtcag tctcgcctcg 780
ccggccgaag tcacgtcctc cgtgcgaccg gattcctggt gcgccctggc cctggcctga 840
gcccacgccg ccaggaggca gggagggctc cgccgcgggc ctcactccac tcgtgtctgc 900
ttttgtgcag crgtccagac agtggcgact gcgctgacag aacgtgattc tcgtgccttt 960
attttgaaag agatgttttt cccaagaggc ttgctgaaag agtgagagaa gatggaaggg 1020
aagggccagt gcaactgggc gcttgggcca ctccagccag cccgcctccg gggcggaccc 1080
tgctccactt ccagaagcca ggactaggac ctgggccttg cctgctatgg aatattgaga 1140
gagatttttt aaaaaagatt ttgcattttg tccaaaatca tgtgcttctt ctgatcaatt 1200
ttggttgttc cagaatttct tcataccttt tccacatcca gatttcatgt gcgttcatgg 1260
agaagatcac ttgaggccat ttggtacaca tctctggagg ctgagtcggt tcatgaggtc 1320
tcttatcaaa aatattactc agtttgcaag actgcattgt aactttaaca tacactgtga 1380
ctgacgtttc tcaaagttca tattgtgtgg ctgatctgaa gtcagtcgga atttgtaaac 1440
agggtagcaa acaagatatt tttcttccat gtatacaata atttttttaa aaagtgcaat 1500
ttgcgttgca gcaatcagtg ttaaatcatt tgcataagat ttaacagcat tttttataat 1560
gaatgtaaac attttaactt aaggtactta aaataattta aaagaaaang ttaacttaga 1620
cattcttgng cttcttttac aactaca 1647

<210> 1065
<211> 252
<212> DNA
<213> Homo sapiens

<400> 1065
gaggaattgg aagcaagggg tctgagatgg ttgccatggg tatttccttc tagattgtgt 60
tactgcgtga gaccattttc ccactgtggg catgttttcc ttgagtcaat tttccaggta 120
ctctatattc agcactctcc tccttccttt tctttaattc cattttagcc acacacaggg 180
gaatgggaaa gggcctgatt aaatcaacta ttttttttt ttttaaattt taatcttttg 240
ggggcccagg aa 252

<210> 1066
<211> 1095
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 1066
tcccccgcgc sttgcccgat tcattaatcc agytgccacg acaggtttcc cgactgaaac 60
cggccagtna gcscaacgca attaatgtga gttagctcac tcattaggca ccccaggctt 120
tacactttat gcttccggct cgtatgttgt gtgaaattgt gascggatac caatttcaca 180
caggaamcag ctatgaccat gattacgcca agctctaata cgactcacta taggaaagct 240
ggtacgcctg caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcaaaatttc 300
ttcagtttat tatctgtaaa ttgtacagtt ttctttttga aagttttaat attgtcttcc 360
tttttaataa cttattttat acatattgtg cagatgtaaa tcttgtaatt aatggtcaaa 420
ctgtataaag ggattggtag tcaaaacatg tacaaagaaa tacctgtaaa actgttttgt 480
ctcatgtttt attggaccaa agttgtggtt tgtatggagt gtagtagtag tgtgtacagg 540
tagaaaactt ttaaatacag catgcaggtg tttcagttag cttgttttca tcaccataac 600
tgcaaagatg tggcttagtt gtattgcatg cttcctataa tttaactctc cataattgat 660
gcctgcagta gtgtaaggca tttcatacta gtctcctcta gtagacctgt gacttactgt 720
gttggacata ttatttagac ttagtcatac aaagaaactt agctcttttt tcatctcaca 780
gtaaagccta tttccccagg aaaaaaataa atgcctttga atgaaaattc tgaaattgta 840
aatgtctatt ttaatattca cctatgaaag aatctgtgaa tatatgtaaa tacgtttaat 900
aaattttatt ggtcatgtta aatcattgta aaacttttt acattgctta atgttttaag 960
cttaatagcc tttgcacttt taaaataaaa accaagtatg caaatcaaag atatttggta 1020
gtcaaaataa gtaaaagaaa tataggaata ttccagtcaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaagggcg gccgc 1095

<210> 1067
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (657)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (658)
<223> n equals a,t,g, or c

<400> 1067
cagccctaca ggcaacttga acggagagcg ctttgatcac tcaccagccc gggaaggcaa 60
gccccagtca ggcggaaggt agctggctgc ggggcggggc gactggcggg cggcgggagg 120
cgccaaccgg cacagacgac tcccagctgg ccgagggcgg gaaggggca ggcagggaag 180
cggcccgccc ttcgtcctgc cccttcgccc taytctgtca cctccgytgg aaggagtgga 240
acccakactt gctggtctga tccatgcaca aggcggggct gctaggcctc tgtgcccggg 300
cttggaattc ggtgcggatg gccagctccg ggatgacccg ccgggacccg ctcgcaaata 360
aggtggccct ggtaacggcc tccaccgacg ggatcggctt cgccatcgcc cggcgtttgg 420
cccaggacgg ggcccatgtg gtcgtcagca gccggaagca gcagaatgtg gaccaggcgg 480
tggccacgct gcagggggag gggctgagcg tgacgggcac gtgtgccatg tggggaaggc 540
ggaggaccgg gagcggctgg tggccacggt garcttgcak ggaaatgggc acagagccar 600
gaagtggaaa aggagccanc tgamctkctt cctgctttcc taagacagca acacatnnga 660
a 661

<210> 1068
<211> 164
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<400> 1068
attccttata catgttaact aactctaagg ggaaagagat agatcataaa ttacatgtta 60
acgttgaggg gaaattgata gatcataaat taaaatataa tttaatatgt tatatatttc 120
tattgattta tatacctatg aaatantttt tatattgaaa ggta 164

<210> 1069
<211> 1004
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<400> 1069
acattaacgg gaagcttcct atagggattg cgggtangcn tcccaggtac cggtccggaa 60
ttcccgggtc gacccacgcg tccgagttat ttgagaattt tggtgaaaaa tatttagctg 120
agggcagtat agaacttata aaccaatata ttgatatttt taaaacattt ttacatataa 180
gtaaactgcc atctttgagc ataactacat ttaaaaataa agctgcatat ttttaaatca 240
agtgtttaac aagaatttat attttttatt ttttaaaatt aaaaatratt tatatttcct 300
ctgttgcatg aggattctca tctgtgctta taatggttag agattttatt tgtgtggaat 360
gaartgaggc ttgtagtcat ggttctagtg tttcagtttg ccaagtctgt ttactgcagt 420
gaaattcatc aaatgtttca gtgtgstytt ctgtagycta tcatttactg gctatttttt 480
tatgtacacc tttaggattt tctgcctact ctatccagtt gtccaaatga tatcctacat 540
tttacaaatg ccctttcagt ttctattttc tttttccatt aaattgccct catgtcctaa 600
tgtgcagttt gtaagtgtgt gtgtgtgtgt ctgtgtgtgt gtgaatttga ttttcaagag 660
tgctagactt ccaatttgag agattaaata atttaattca ggcaaacatt tttcattgga 720
atttcacagt tcattgtaat gaaaatgtta atcctggatg acctttgaca tacagtaatg 780
aatcttggat attaatgaat ttgttagtag catcttgatg tgtgttttaa tgagttattt 840
tcaaagttgt gcattaaacc aaagttggca tactggaagt gtttatatca agttccattt 900
ggctactgat ggacaaaaaa tagaaatgcc ttcctatgga gagtattttt cctttaaaaa 960
attaaaaagg ttaattattt tgactaaaaa aaaaaaaaaa aaaa 1004

<210> 1070
<211> 1306
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1289)
<223> n equals a,t,g, or c

<400> 1070
accgtccgga ttcccgggtc gacccacgcg tccgtgaggt tacagattat gccattgcca 60
ggcgcatagt agatttgcat tcaagaattg aggaatcaat tgatcgtgtc tattccctcg 120
atgatatcag aagatatctt ctctttgcaa gacagtttaa acccaagatt tccaaagagt 180
cagaggactt cattgtggag caatataaac atctccgcca gagagatggt tctggagtga 240
ccaagtcttc atggaggatt acagtgcgac agcttgagag catgattcgt ctctctgaag 300
ctatggctcg gatgcactgc tgtgatgagg tccaacctaa acatgtgaag gaagctttcc 360
ggttactgaa taaatcaatc atccgtgtgg aaacacctga tgtcaatcta gatcaagagg 420
aagagatcca gatggaggta gatgagggtg ctggtggcat caatggtcat gctgacagcc 480
ctgctcctgt gaacgggatc aatggctaca atgaagacat aaatcaagag tctgctccca 540
aagcctcctt aaggctgggc ttctctgagt actgccgaat ctctaacctt attgtgcttc 600
acctcagaaa ggtggaagaa gaagaggacg agtcagcatt aaagaggagc gagcttgtta 660
actggtactt gaaggaaatc gaatcagaga tagactctga agaagaactt ataaataaaa 720
aaagaatcat agagaaagtt attcatcgac tcacacacta tgatcatgtt ctaattgagc 780
tcacccaggc tggattgaaa ggctccacag agggaagtga gagctatgaa gaagatccct 840
acttggtagt taaccctaac tacttgctcg aagattgaga tagtgaaagt aactgaccag 900

agctgaggaa ctgtggcaca gcacctcgtg gcctggagcc tggctggagc tctgctaggg 960
acagaagtgt ttctggaagt gatgcttcca ggatttgttt tcagaaacaa gaattgagtt 1020
gatggtccta tgtgtcacat tcatcacagg tttcatacca acacaggctt cagcacttcc 1080
tttggtgtgt ttcctgtccc agtgaagttg gaaccaaata atgtgtagtc tctataacca 1140
ataccttttgt tttcatgtgt aagaaaaggc ccattacttt taaggtatgt gctgtcctat 1200
tgagcaaata actttttttc aattgccagc tactgctttt attcatcaaa ataaaataac 1260
ttgttctgaa aaaaaaaaaa aaaaaaaana aaaamaaaaa aaaaaa 1306

<210> 1071
<211> 150
<212> DNA
<213> Homo sapiens

<400> 1071
gacttgttct agatcgcgag cggccgccct tttaactgtt ttaggtgtgt gtgtccagag 60
tgagcaagga ttatgttttt ggattgtcaa agaggatgct tagtcttaaa ataaaaataa 120
atttaaaaat catcttataa aaaaaaaaaa 150

<210> 1072
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<400> 1072
acgcctgcag gnnaccggtc cggnaattcc cgggtcgagg ggccactctc ctgtctttac 60
tccttttccc ttctctattc tttcaccaga agccctcatt tgaccagtga actcctaggc 120
cctcttgacc cgcacattag ctgggcgatt tccttgttct gctaattcct aattctgctt 180
aaaatgtatt tggatttctg tttttgaaca cttatgatgc caggcactgt aatgcttgaa 240
acccgatctt tccctagaga atgtaacata cgtttttatt catttaatca cttcattatg 300
ccggggttaa ttatgtttat tttataattg gtaataaagg ccacatttat ttttgtaact 360
gtttaaaraa maaaaaaaan aaaaaa 386

<210> 1073
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<400> 1073
nntgagaaaa acccttgatg tgntganaac catcatgggg accaggatag aaggcttctt 60
cccactcaaa gcttttctcc ctggagggtg ggcactgctg ggccatgcac ttcaaagcag 120
tgttcctcag caggaaagcg gaggtcacca cttaccggcc tcctccacct tctcggcttc 180
tcttttctcc atgaacccag gtcgtccagc aggtacttcc aagttcccag gtctgtctgc 240
ctaagagcct tttgaggaga ccgtcctgga gccccatcag tgcccagatc ctggggtacc 300
gaccattgct gtctagcagt gggggatcct gtggtgggaa tggggtgggc ttctcatcca 360
tgttgcttct gggaagagag ggttgccttt ctgggctagg gaggtggctg gagcttctgc 420
cctgaccctc cgctagaaac cagttatatc cattgccaca gcaatactgt gtaacaaatc 480
cgccaacact cggtggcctg caacagtcag cactgatcta gggcaggagt cagcagtctg 540
ggcagggtga ttcttctggt ctaggctgkg cttgtttgtt tagggccatg ggttgttaag 600
tccccagggg atgctccatg gtg 623

<210> 1074
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (609)
<223> n equals a,t,g, or c

<400> 1074
cacttttatt aatttgcatg tccttttaat atttatttat tcaaatacta ccgtatggcc 60
caccataatt acccccatac tccttacact attcctcatc acccaactaa aaatattaaa 120
cacaaactac cacctacctc cctcaccaaa gcccataaaa ataaaaaatt ataacaaacc 180
ctgagaacca aaatgaacga aaatctgttc gcttcattca ttgcccccac aatcctaggc 240
ctacccgccg cagtactgat cattctattt ccccctctat tgatccccac ctccaaatat 300
ctcatcaaca accgactaat caccacccaa caatgactaa tcaaactaac ctcaaaacaa 360
atgataacca tacacaacac taaaggacga actgatctct tatactagta tccttaatca 420
tttttattgg cacaactaac ctcctcggan tcctgcctca ctcatttaca ccaaccaccc 480
aactatctat waacctarcc wtgggcatcc ccttatgarc sggggcagtg awtatagstt 540
tcgctcttaa aattaaaaat gccctagccc cttcttwaca aaagggatat tggtttttgg 600
aatacactnt tttctttgat tttttttaa 629

<210> 1075
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 1075
cgttgcccaa cccggtcccc gcccccagac acgccgggct ctcggggcac cacagccatg 60
tgctcgttag cgtcaggcgc taccggcggc cggggcgctg tggagaatga ggaggacctg 120
ccagaactgt cggacagcgg ggacgaggcc gcctgggagg atgaggacga tgcagatctc 180
ccccacggca agcagcagac cccctgcctg ttctgtaaca ggttattcac atctgctgaa 240
gaaacatttt cacactgtaa gtctgagcat cagtttaata ttgacagcat ggttcataaa 300
catggacttg aattttatgg atacattaag ctaataantt ttattagact taagaatcct 360
acagttgagt acatgaattc catatacaac ccagtgcctt gggagaaaga agagtatttg 420
aagccagtat tagaagatga ccttttactt caatttgatg tagaagatct ttatgaaccg 480
gtgtcagtac ccttctcata ccccaatgga ctcagtgaaa atacatctgt tgttgaaaaa 540
ttgaaacata tggaag 556

<210> 1076
<211> 420
<212> DNA
<213> Homo sapiens

<400> 1076
aagccggaag ttgggggatg acagcagcat catgatgctg gctgtggagt gagcatgggg 60
ctggcgtcga ggccactctg cctcccatgg gtgggccgcc ttagctccyc ctctgcaaaa 120
tagggagctg ttgcaggaca tttcagagct actataagga ctgaaggagg ccccggggaa 180
aagagctctt gatatattaa ggcactgctt agtagtgact atgcttactt tgcgagcagg 240
gaaaccgagg cctgggtagg acagaggggg gcacatgtgt ttactgccct ctccgccccc 300
gactttggtg ccatcagcct ccacccctgt gcgcccgtca agaatttggc ttccacgttc 360
tgctccccgg accctcccag cctaacctgt ggatcctgcc acacaaagat gggcttacct 420

<210> 1077
<211> 736
<212> DNA
<213> Homo sapiens

<400> 1077
gattcagtgt ctatttcctg aggaacccaa cttataacac gtagaataaa ctggccaaag 60
ttcttaattt tccaatttgt tgcaccagcc ccacgtgacc accaaaagct tttctgggtt 120
tccctttccc tcaggagaga ccctcttcac agaccaagct tgatccttat tagtccatgt 180
ccagaatcag taaatgtccc tagaaaataa aatggccact tacctcagga ggactcctcc 240
ctctctggaa ttcccattca cctagtcctt attgctttca tagctctcac atatctttaa 300
atatgatctt tataatttty ccatcttttt ctagttgttg caggcaaagt tttaggctgc 360
catgacctac tatatcctat ttagaagtgg aagtctctag agagattttc aaaattacag 420
atgtgtggat attagctttt ctcctaattt aattgaattg tggtgagaga aggtgttctg 480
tattattcaa atagcttaaa atttgctgaa atgggtttat aatcaaatat atggtcaaat 540
ttaatagttc atgtactctt ataaatatgt attctcccat tgttggatgc aatgcccttt 600
gtatgttcat gggatcaagt ttgttgactg ttttgtgtaa atctatatgc aaaatcttga 660
tttttgtcta cttgatctgc ttctgaaaga ggaacaataa aacttcccac tgctacggta 720
aaaaaaaaaa aaaaaa 736

<210> 1078
<211> 899
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<400> 1078
agggntggaa cgcccgcagg taccggtccg gaattcccgg gtcgacccac gcgtccgccc 60
acgcgttcgc tggtcggcta tccattcatt ctccatacag caactagagt cattctttta 120
aaattgcgga cctgatcctt ccatctccca gctgaacgct tttcatttgc ttcctgttct 180
catgagtatg ccaaaatgta ttctgggcta ggaggccctg aggaatttgg tccttccctc 240
ctccccctc gttttctgtg cttcgccctc actggcttgc ctttcttttc cttaaataca 300
tcatgttctc tcctatttta gatccttttc cccgaaggta tggaaacatt atttctgtaa 360
gcttattctt ctatatagat gggaagtttt taaatcagat aaggttctaa gggcatgtgg 420
acaatttacg ttatcatagt attgttcata acgtccatca ttattctgta gactgtaagg 480
gcttacttag ctcgtgtaag aattatcctt caaaaagcat ttttaaggta ttagtattgc 540
taatctataa actttgtgca agaagtccta aagtcaatag caacatttat ttaaagtaca 600
gtttgtcata cttaataaac ctctggtata ttttccttta ttatgcttgt taaaaacaca 660
gtataaatgg gagaaatcat taaagatcat taactccaag gctgctggat gttaggaccc 720
ttaagcatac ttaaaagatt gattgtaatc aagaataact tgtatcagat tgccttccag 780
tgattcacat ttattagttc aaccagttac atacctgtag caagagacca gtttatttgg 840
caataaaatt ggggaaggaa tcaagactta aatgaggaaa aaaaaaaaaa aaaaaaaaa 899

<210> 1079
<211> 2215
<212> DNA

<213> Homo sapiens

<400> 1079
tataaaagaa caaactggat gtggaaaggc tacttgtcca agggcacact gctgctagtg 60
atggagtcca aagttcacat ctgtctgcct ctggaacact catctaacta aagatgaaaa 120
caccgttctt catctttaac ctggcagaaa ctgctcacat gccttcaaaa gtgaaagctc 180
aactctacgc tcaagcatat gacctttata aggagattgt ctatttacaa aaggagcacc 240
cagtgaattg gcacaagaac tatgccatcg cctgtgagcg gatgctgcgt cttcaggcaa 300
gagatgcaga tcctgaagtg ctgttatcgg aaaccatcag acatttccgt ctgtactctc 360
agaaagcacc gaatgaccca cagcaagctg atattttagg tgctctaaag cacctaagaa 420
aagaactgca aagtctgaga aataggaaaa atgtctgaga cagcaaaata tgaaaaacct 480
gctcatcgtt cagcttccaa aattctgaag tctggaagtt tttccttcaa agaaaagaaa 540
ctgcataaaa aatttaaaac taagtcatct cccagatata agtatcatgg tccagcagta 600
ctgtttaatg gggtattcag tgactaaggt ctgctattta tgcaaaattc tgtttatccc 660
gtgttaccaa attaccattt cagtgagaag cttttgaaaa gtcttctgac ttccagtctt 720
tcaccagatg actgcactgg attagattct agaagagaat gaaccatttt catataacta 780
aatattggtc atgaactgtg taagggccat gcttattggg atcagtttta aagttaaatt 840
cttttgatat taataccaga ccaaagacat tttctgtttc ctggaaaaaa aaaatgaatc 900
atgttaggct ttaggtgaga gtacattttt tacaaagtag ctatagttgt tacatagtct 960
tacacttcaa gctaaacacc aaatgggtga tattttgaaa aaagtttgtg ttttactgtc 1020
ttagatcgtt cttggaaatc actaaaaaaa aaaaaagtta atttgatgtt tgcttatttc 1080
agttgcasaa actggcgagt aaaaaagatt ttgcatttac ttaattaatt ttatatttat 1140
gttttatttc tatttggact cagagatcta gacccaattg tatagctcct agactccaag 1200
cactatatag gcccctgtat agaaatgctc actaatgaag agggagggct agaagcttgt 1260
ctgcattcaa agatcactgg tgagtcattc agcaagaaaa ggccccttac caggaatagt 1320
cacagttccg tggcattgta ctagcaaaag ggtctgatca aaggtctcct gtggagcttg 1380
catggttccc tttcatacta cgaccataat taaaaccact aattctcttt taaaatgctg 1440
caggatgcca tgtaggcatc tgtctggagt gtcctttgtg atgtcataag ctgttaagga 1500
ccagtgccga gggcttttga gtgaaatgcc agtcatgaag gtgcttcaag acaagggtgc 1560
ctctaaaagc ttgacagggc cttgactgca caattcgagc tgaatttgcc ccttgtcagc 1620
tgccagtaaa taaatctcaa agggggaaaa gctgaagttt cattacctga tccatggggc 1680
tttgttggtt ttggcatcac acaggggaag ctcttgcccc tccattctct ggatttgaag 1740
atgtccattg gagcctgcag tgcctggaca gggttcagag cggaaccttt tgaagagtgt 1800
caatagttgt aacagttcag ctgttaggaa gacaaataaa tggaggagct cattaatccg 1860
cttttggctc tcagtgcctt ttgccctttt atcacagcct tattaggctc ctactcatct 1920
tgaaccagaa aaaaatgaat tgaagttgtt gagtactaat tggcaaagac ttttaatcat 1980
gggccaagaa ctttcactga cttgaaagta acttctccac agggaaggac caaaaacctg 2040
gtttacctta aaacaaaaac ctgttggagt tcagcgtggt gtaaaaatgt aaggaagcat 2100
tgataaattg tctaagttta tccatttgaa agaaattgtg taagattatg atattctctt 2160
ttctttaaaa aaaaaagtac aataaaattc aaacattcct taggaaaaaa aaaaa 2215

<210> 1080
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<400> 1080
acaaaagctg gagctccacc gcggtgncgn ccgctctaga actagtggat cccccgggct 60
gcaggaattc ggcacgagga gcctgcagga cacagtcaga agaaaggaaa agccattaac 120
attgggcagt tggtagatgt gaaggtttta gagaagacca aagatgggct ggaggtggct 180
gtcctgcccc acaacatccg tgctttcctc cccacatctc atctgtcgga ccacgttgcc 240
aacggcccat tgttacatca ttggctccag gcaggtgaca tccttcaccg agtcctgtgt 300
ctgagccaga gcgaggggcg tgttcttctt tgcaggaagc cagccttggt ctccacagta 360
gaaggtggcc aggntcccaa gaacttctca gaaatccatc ctggaatgct gctcattggt 420
tttgtgaaga gcatcaagga ctatggcgtg ttcatccagt tcccctcagg tcttagcgga 480
ctggccccaa aagctatcat gagtgacaaa tttgtgacct ccacaagtga ccactttgtt 540
gagggccaga cagtagcggc aaaggtgacc aatgtggatg aggagaagca gcggatgct 599

<210> 1081
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (628)
<223> n equals a,t,g, or c

<400> 1081
ggaaatttga attgaatctg aacaggaaat gagtgcagtt gcttgccact taagaaatga 60
aattaacctt ttccgaatat cttttgaaat ctgcgttttg atgatgctga agctttggat 120
tatacatttg cttatttcga taaggtgcac ctaagtctct tcatctcatc agtattcttt 180
tgctatcaaa ggcagttgat cagttttgtt cctcaatatt ttttttgcaa atatctaccg 240
aagtttttc aaatttatg taaaatgcaa gtcattgtag agatgccagt ctatgccttt 300
atgcttgcca gtctcaatta agacttgatt gagctgcagt actttaaaaa ggattagaag 360
agctattgaa tgacttaatt tattagaagt ttttaagtga cagcatttct aattattcaa 420
gtgcatttat ttttcatgaa aaaaggtaga atgatttgtt ctgacataaa gtaaatagtg 480
ttgatgcatt agaaattgtg tgtcttgatt atgatttctg tacttttttgc attagaagta 540
taatggactt gtatttttaa atagttgaaa ctagcactgt gatcatatta aataatgcat 600
tycycagttt gggacctnca gatagggntt ccattgttga aa 642

<210> 1082

<211> 570
<212> DNA
<213> Homo sapiens

<400> 1082
gtgttctgag taacagtcag tgtataaaag gggattgcag aaaaaaatga gggcttgctt 60
tactcaacag aaaatatggc ccttcctgaa tgacactagg agagtcattt tatctcatac 120
attcccttca tttcgttggt ggacatttgt tgaaaccggc actcaatggt caaaccgtct 180
gtgccctcca gttgctgaca gtcctgcagg aagatggaca agaggcccag tgctgacagt 240
cacacgactc tcactacttg aatgagggga ctgtgggtgc aactagaaaa tatgttgatt 300
cttagccatt cccaccttgc ctctccgttc agaaccccag ctgcgagctg tttgtttccc 360
tgcctggaaa tgatgtttta ggcaggttcc ttaatttctc aggtctgtct cagataataa 420
aaagctcttt gtatgagcct cagaactgtc tcttcagtga atgaaattac cagtcattat 480
acgaagggac tttaaaaaat ttgtggaaat actgaagtaa aagatgataa aaaaataaaa 540
amwttatytc ttggctggga aaaaaaaaaa 570

<210> 1083
<211> 675
<212> DNA
<213> Homo sapiens

<400> 1083
cccttccagt catgaaactt catttgtttt atccatatcc ctgaggactg tgtagacttt 60
atgtcagttc tgtgtagact ttatgycagt ttttgtcatt atttgaaaat ctattctgac 120
aacttttaa ttcctttgat cttataagtt aaagctgtaa caactgaaat tgcatggatc 180
aagtaagcat agttttatcc agggagaaaa ataaaaggaa gccatagaat tgctctggtc 240
aaaaccaagc acaccatagc cttaactgaa tatttaggaa atctgcctaa tctgcttata 300
tttggtgttt gtttttgac tgttgggctt tgggaagatg ttatttatga ccaatatctg 360
ccagtaacgc tgtttatctc acttgctttg aaagccaatg ggggaaaaaa atccatgaaa 420
aaaaaaagat tgataaagta gatgattttg tttgtatccc tacccatctc ctggcagccc 480
tactgagtga aattgggata catttggctg tcagaaatta taccgagtct actgggtata 540
acatgtctca cttggaaagc tagtactttt aaatgggtgc caaaggtcaa ctgtaatgag 600
ataattatcc ctgcctgtgt ccatgtcaga ctttgagctg atcctgaata ataaagcctt 660
ttaccttaaa aaaaa 675

<210> 1084
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (626)
<223> n equals a,t,g, or c

<400> 1084
gccccggtgg ccgactatct gacctcacag ttctatgccc tcaactacag cctccggcag 60
cgcatggaca tcctggatgt aagtgcctcc tgggcctcag tcccctggt ctggcccaag 120
ctgccctaag gtggggctgc caaaacctgg gtctccttgt tgctgggccc caagggctcg 180
tgcaggcctg tccactgcct tcgtgagtgt gtgacccggc aggactcagc agtgggggag 240
tcagggctcc cggggcagag agttttgttt gtttaaaata acagctttac tgatataatt 300
cacacgccat aaaattcacc gctttagggt aaaatgtgtg ctgcgcaggt gagggaatat 360
tatttagcaa wraaaaaaaa aaagggcggc cgctctagag gatccaagct tacgtacgcg 420
tgcatgcgac gtcatagctc ttctatagtg tcacctaaat tcaattcact ggccgtcgtt 480
ttacaacgtc gtgactggga aaaccctggc gttacccaac ttaatcgcct tgcancacat 540
ccccctttcg ccagctggcg taatagcgaa gaggcccgna ccgatcgccc ttcccaacag 600
ttgcgcaagc ctgaatggcn aatggnac 628

<210> 1085
<211> 1356
<212> DNA
<213> Homo sapiens

<400> 1085
tcgacccacg cgtccggttt tttatgcayt wgagtcttgg atcaagtayg atgtacaaga 60
acgycagaaa tacttagcac agytactwaa yagtgtrmga ttaccattgy tgagtgttaa 120
gtttctcact agactatatg aagcaaatca tcttattcgt gatgatcgca cttgtaaaca 180
tcttttgaat gaagccctaa agtaccactt tatgcctgaa catagactct ctcatcagac 240
agtcttgatg acacgacctc gctgtgctcc caaagtactt tgtgcagtag gagggaaatc 300
tggactcttt gcctgtttgg atagtgtgga gatgtacttt cctcagaatg actcttggat 360
tggtttggca cccctaaaca ttcctcgcta tgaatttgga atatgcgttt tagaccaaaa 420
agtatatgtt ataggtggta ttgcaactaa tgtgcgtcct ggcgtcacta tcagaaaaca 480
tgaaaattca gtggaatgct ggaatcctga tacaaatact tggacttctc tagagagaat 540
gaatgaaagc cgaagtactc ttggagtagt agtacttgca ggagaacttt atgccttagg 600
tggttatgat ggacaatctt atttacaatc tgtagagaag tacattccca aaataagaaa 660
atggcaacct gtggcaccaa tgacgacaac aagaagttgt tttgctgcag cggtattgga 720
tggaatgata tatgccattg gtgggtatgg tcctgcccac atgaacagtg tggagcgtta 780
tgatccaagt aaggactcct gggagatggt tgcatccatg gcagataaaa ggattcactt 840
tggcgtgggt gtcatgctag gctttatttt tgtggtgggt ggacataatg gagtctcaca 900
tttgtccagc attgaaagat acgatcctca tcaaaatcag tggactgtgt gtagaccaat 960
gaaagaacct agaacaggag ttggtgctgc tgtaatcgat aactaccttt atgtcgtcgg 1020
tggtcactca gggtcttcct atctgaatac agtgcagaaa tatgatccta tctcagatac 1080
gtggctggat tcagctggca tgatatactg tcgctgcaac tttgggttaa ctgcactttg 1140
acaaatgtga actctcggaa atagtatggt ggtgaaactt gtactgcatg aacatccgga 1200
tggcccagtt ttctgaaacc cacaagctgc attgctttct ttttaacttg aagtagcatg 1260
aaggctcaaa agttttgttg ggtactttta attgagaagt agttttggtt gctcttgatt 1320
acacagtaaa tcaataatca aaaaaaaaaa aaaaaa 1356

<210> 1086
<211> 703
<212> DNA
<213> Homo sapiens

<400> 1086
gcaaacattg gacatctctg acatattttt tctcgttttc agcttttcgg atgatccctt 60
atcccttgga aaaggggcac ctattttatc cttacccaat ctgtacagaa acagcagacc 120
gagagctgct tccatctttc catgaagtct cagtttaccc aaagaaggag cttcccttct 180
ttattctctt tactgctgga ttatgttcct tcacagccat gctggccctc ctgacacatc 240
agttcccgga acttatgggg gtcttcgcaa aagctatgat tgacattttc tgctcggcag 300
agttcaggga ctggaattgc aagagtattt tcatgcgtgt tgaagatgaa ctggaaatcc 360
ctccggcacc tcaatctcaa catttccaaa actgaactca tcacccctct tcccccacca 420
ccaaaactgc tcctcctcct gtattcctra cctccgccat ccaccccgtt gctcaagcsg 480
gaaactcggc agcccttcca aactcttccc tctctcactc cccacatccc atcgtctcgg 540
ccttcacaat ctgtcagttc taacctccta agcaactagg ccttcagtaa atgtgattca 600
cctcttcttt ccctcctttt cccaaaagca tccctcttag tctaggtcct ttgttggttt 660
cttggcttga acttctggcc ataagtctta acttggggct ccc 703

<210> 1087
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 1087
agccaaagtg ctggaattac aggtgtaagc caccacaccc agcaataaag cattttaatt 60
tgcttctatt gagacaatac cctagaagtt ttgcagtggc agtgtgatga ccaatgaggt 120
ttatctgagg tgcgattatt gctaattgaa gcagtgccct ggaggtacta gaattcctta 180
tcagtttcat acaatttcag ggcttgattt tttataggtt acccagacaa ttcattcaag 240
ggctgcttta cttacggttc acatgtcatg taaggagcag tggttttgag cataaactct 300
attcctggga tttatcagat accccacttt tgacaggtct tggatttcac ttttcagatc 360
ctttttagga ttggcaaatc gctttcttca ctgtccctct agccaaggac aaaaaagtga 420
ttccaacttc cccagcantt ttgggnaagc ccaaggcaga agggtttttt ttanggccc 479

<210> 1088

<211> 442
<212> DNA
<213> Homo sapiens

<400> 1088
tcaggccttc cctaacgctc caagcaccgc tggagccatt taatgggtga gggaacttgg 60
gtaagaggaa gatcaccccc ttcctgtccc ctttctaggc cccctcaagt gcaggtgacc 120
cttaattggt gagatcttca gcctcagccg ccgacctttc ccttttgtcc agttttggar 180
ttcccgtttt ttccttgttt gctttcmgag tgtaaggtct ggccggtgag aaagatttcc 240
cccaaccttg attaatcagc ccccteeccc aacttacttc ccttaggacg ggtagggctg 300
agggacctcc tctcctggaa agtgcttact ttgcctgggg aaggggctag acactgtccc 360
agggaaagta atagaaggtg gaagaaatca ataaaatcag accaggacgg agggaaaaaa 420
aaaaaaaaaa aaaggggggg gg 442

<210> 1089
<211> 1074
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1055)
<223> n equals a,t,g, or c

<400> 1089
gcactcttta catctttcat ataatagagt cactagcttc tgtaccaatt tcttgtcttt 60
agtgtacttt ggtaaagttt tataattaaa gcacatttct atcttgaagt taccatccaa 120
ggtggtttct ggatgctagt ttaatgattt aaacactagt ggctcactaa ttcactagat 180
agtttttgtt ctgttttctt tttgctgcct gtttttattt ttataattac attggcatga 240
atttccactt ttcaatcttc taaggaatat ttgagatttt tgcttttaaa acttaatatt 300
tcctttaaaa ttctggaact tcttaagttg acattttaat ttttttaaat taaattctgt 360
agtgctctta cagaaccgaa tattcttaat gtaagtataa gcattacaaa tccttgtaga 420
ataaatattt ttagcattgt tacgaaggtt aaaaactggg ttttgttcac ttacatgtct 480
taaaattgcc ttaaaatgaa tacagaaatt tatatggcag cttctagtac agttgactgc 540
tttaacatgg cctgacatct agtgatattt ttctctcttt caaatttctg ttttctagct 600
cttaaatatc tgtttctcat tcttataaat caagatgctt gtagtatata attctgagac 660
taattatctg cttttgaatt ttttccactg caattcatat aatgtgaaga tctgtgaaaa 720
tgctatggga aaactagctt gggttcaaaa tatcttaacc aaatataccc tgtaggcttc 780
ccaagagtga ctgtctgaca gttggtgact gtagaagaag ctggttgggt gttttctggg 840
ccaaggaaat ttaaaatgtc tgcaatgtta tccatcatta ctttytgctg tcagaaggga 900
tggcagattg aagcttttct ccctatcgca ttttcagagt tgccgtgtca gagcttcacc 960
ttgggtaagg aaagatgggc aggaattctg ggaaacagaa ctcctgagac ctacctctgc 1020
ctgcctaaaa atgtggactg actcagtatg agatnataac aagaaaacat ttaa 1074

<210> 1090
<211> 1163
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (159)
<223> n equals a,t,g, or c

<400> 1090
actgccccaa gctcaaggag atcaatttcc gtgggaacaa gctgagggac aagcgcctgg 60
agaagatggt cagcggctgc cagaccagat ccatcctgga gtacctgcgc gtcggaggcc 120
gtggtggcgg gaaagggcaa gggccgtgcg agggctcgna gaaggaagag agccggagaa 180
gaggagggag aggaagcaga ggcgggaagg tggtgatggg gargagcagg acgtgggaga 240
tgccggccgg ctgctgctca gggtcctgca cgtctctgaa aaccccgtac ctctgacagt 300
cagagtgagc cccgaggtcc gggatgtgcg gccctacatt gtgggggccg tggtgcgagg 360
catggacctg cagccaggga atgcactcaa gcgcttcctc acctcgcaga ccaagctcca 420
cgaagatctc tgtgagaaga ggacggctgc cacccttgcc acccacgagc tccgtgccgt 480
caaagggccc ctgctgtact gcgcccggcc cccacaggac ctcaagattg tccccttggg 540
gcggaaagaa gccaaggcca aggagctggt gcggcagctg cagctggagg ccgaggagca 600
gaggaagcag aagaagcggc agagtgtgtc gggcctgcac agataccttc acttgctgga 660
tggaaatgaa aattacccgt gtcttgtgga tgcagacggt gatgtgattt ccttcccacc 720
aataaccaac agtgagaaga caaaggttaa gaaaacgact tctgatttgt ttttggaagt 780
aacaagtgcc accagtctgc agatttgcaa ggatgtcatg gatgccctca ttctgaaaat 840
ggcagaaatg aaaaagtaca ctttagaaaa taaagaggaa ggatcactct cagatactga 900
agccgatgca gtctctggac aacttccaga tcccacaacg aatcccagtg ctggaaagga 960
cgggccctcc cttctggtgg tggagcaggt ccgggtggtg gatctggaag ggagcctgaa 1020
ggtggtgtac ccgtccaagg ccgacctggc cactgcccct ccccacgtga ctgtcgtgcs 1080
ctgacsccag ggccgcctgt ccgcgtttgt ttggccggtt ttgcggaggt ttctatgcgg 1140
caatgctgaa ttatccgtta gat 1163

<210> 1091
<211> 771
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 1091
agcnaganan ccaaccctca ctaaagggaa caaaagctgg agctccaccg cggtgncgnc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagatt ttgagcattc 120
ctctgatatt tgaaaaggaa gtacaacagg aaaggaagtc tgaggatgga agctaaaatt 180
ggtatgaatt tatattttag agatcaaaat gtaccttatg ttgaaaccta tgtaagaagt 240
gatwatgtag aaagagtgaa agtgatagct cttagtctgg aaagcccact ggcttgtttg 300
ggcatttctc atggcttccc actcaaagtg gatccccaaa atcacttgat ggatttcctt 360
gctgatttct aagtaaacta tggtttaaga aagaaatgac agggctcagc actgccctac 420
agtaccaaga atacaaatgt ttccatgaag tcttcaaagg catttgtaaa attcaggctg 480
taagtgatta gttagttcat tctgcactta tttattaact gtatattcag ttccaggctc 540
tagggtagag attatggata aaggtgaatt agatagatga agtttttgcc ctcacagcaa 600
aagctttagc caataattaa agctatcact ggaagtgggt ctgtgccaat aacctagaga 660
agagcagtgc ttttagagtt gagctatatt cccaatcagt tcttaatggt ggttttaccc 720
ccttccctct acactgtctt ttcttgagat tggatcatgt gtgtgaaccc a 771

<210> 1092
<211> 757
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 1092
taggaaatca actgagtggg tgtttggaag aggaaggagc aactctcggg cagcctgccc 60
aagggaggga gcaagttgca atttanaaga tgccatacgt cgtgtgacag ctcatgagcc 120
tttcactggg ctggcaattg tctgaacact tgggttcagt tgaaatatat gtattttggc 180
caaaagccaa gcagcmcttc acaaaaacaa aacacaamcc taagctaaca aaatgmctgc 240
attcgtctct tttttaaagg tagagattaa actgtataga cagcataggg atgaaaggaa 300
ccaagcgttt ctgtgggatt gagactggta cgtgtacgat gaacctgctg ctttgttttc 360
tgagaagagg tttgaagaca ttttattaac agcttaattt ttctctttta ctccatagga 420
acttatttta atagtaacat taacaacaag aatactaaga ctgtttggga attttaaaaa 480
gctactagtg agaaaccaaa tgataggttg tagagcctga tgactccaaa caaagccatc 540
acccgcattc ttcctccttc ttctggtgct acagctccaa gggcccttca ccttcatgtc 600
tgaaatggaa ctttggcttt ttcagtggaa gaatatgttg aaggtttcat tttgttctag 660
aaaaaaaaaa tccctcccaa agtggggcaa aaagctttat atttatttga ttatccaaaa 720
tacagatcaa agtttagatc taaaaaaaaa aaaaaaa 757

<210> 1093
<211> 633
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (619)
<223> n equals a,t,g, or c

<400> 1093
gcaagactct atctcaaaaa taaaataaaa taaaataaaa taaaataatt aataaaatgg 60
tgtagtattt gcatataacc tatgcacatt ctcccatata gtttaatcat ctttagatac 120
ttataatgcc taatacaatg taaatgctat gtaaatagtt gttgttatac tgtattgttt 180
agggaataac aataagaaaa acagtctgta catgttcact acagatgcaa ccattgttaa 240
gcctgactac atctttttat ctgcagttga ttgaatctat ggatgtggaa cctgtgcata 300
tggagggtca actgtactat aaataatacg aatatgccaa cattatataa tcattgcttt 360
ctgcaactgt ttactataat ttcaaaatta atatcctatt aactgttcct ataaattatc 420
aaatttggca agtgtattac tagcaggaga tggaccttaa attatgacaa ctttatattt 480
tttgatagca tctcttgaaa aagaatttta atgattctaa taagaggttc tttttctttt 540
ttccatttcc ttgacaaata gtactcattt aaaaactaga gggctaggct tagtggctca 600
cgcctgtaat ctcagcacnt ttgggaaggc tga 633

<210> 1094
<211> 548
<212> DNA
<213> Homo sapiens

<400> 1094
gtcggggaca cattccaaga ggctaaaaag caaatttctg tacattagga gatttgtgag 60
tccttaggaa aggctcagaa gagggctcca cctagcacaa tacctgacat agaaagtggt 120
cagtgtctgc agaatgagtc ggcatgaacc gtactttcct tggcagggtt attaggtggt 180
aaatacctgc agaataatgg gattgtacta gggtttcttc tggctttaga aacccatttg 240
tttactaata gattcccaga ggataccttg atctcaccaa gctatttgcc agaatgtctc 300
ctgatggcct cattgaagaa agggggacta tgagccagat gctggtgccc tgaagatttg 360
tagtttgtgg gatagtctta acttggcagg gtttgattaa cagaatgaag tctgttcctt 420
agagggaagt ctttgcttgc tgccctgacc tgctggacac tgttaattgg gatgaggtca 480
aagaaggcat agttaccaca tttgcaggag accctaacct ggaaatagta aattacataa 540
cattcaaa 548

<210> 1095
<211> 860
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (636)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (758)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (768)

<223> n equals a,t,g, or c

<400> 1095
cagtgaacaa aattattttt ttaaagcaca taatccctag tatagtcaga tatatttatc 60
acatagagca actaggttgc aaatatagtt cagtgacatt tctagagaaa ctttttctac 120
tcccataggc tcttcaaagc atggaacttt tatacaacag aaatgttgac agaaattgct 180
gtagtttagg gttgaagtac tgtatgatgg gcagcaatca tgtattaact tagaagggga 240
aattgaaata taggaccgaa tttggtttta tcagtttcca gagtactgct gccaacctag 300
acactgattt ttcagagttt gaaatgtaaa tttcttcccg ggacttgatt gcacatgaag 360
ctggactgcg ttagtcatcc tgtcccaaag cgctgtgggg gccagggtgg aggtctcaag 420
gcatccttta tgacctggcc attggatgta aaagaaaaca tattccatgc tgtggttctt 480
gtatcttgtt tcattcctca ccattgaaag agaaagtcca tgtattgtct ccagcacatc 540
cttraaatgt tatactggga tggattactg atgcccatcg gtagttgagc cccagaagag 600
ggtagtagca tctctgcctc aggtgatgat ttgtancttg gccagaggag agcggagtca 660
ccagtatatc tgtggtccat gttgctagct ctggtaaaat taaaaatctg gtaagatgtt 720
tgtatcatta gtacactaga cagtaagctc tgtcttgntg ttttcaanta acctatattc 780
acttttgttt gggcaaagac atttaaattg aaattcaatt ctaatttttg ttaattgtgg 840
aaaggggtaa ttaacagatc 860

<210> 1096
<211> 1754
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1694)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1738)
<223> n equals a,t,g, or c

<400> 1096
ggagaaattg attcttcttc tctctttgcc aggaatagac atcaatgnta aagacaatgc 60

tggctggacg cctttgcatg aagcctgtaa ctatggcaac acagtgtgtg tccaggaaat 120
tttgcaacgt tgtccagagg tagatctgct cactcaagtg gacggggtga ctcctttgca 180
tgatgcactg tcaaacggac atgtagaaat tggcaagctg ctactacagc atgggggccc 240
agtgctttta caacagagga atgctaaggg agaattgccc ttggattatg tggtttcacc 300
tcaaatcaaa gaagaactgy ttgctattac aaaaatasaa gatacagtgg agaactttca 360
tgcacaagca gagaaacatt ttcattacca gcaacttgaa tttggctcct ttttacttag 420
taggatgttg ctaaattttt gttcaatttt tgatttatct tcagagttca ttttagcttc 480
caaagggtta actcatctaa atgaactgct tatggcttgt aaaagtcata aagaaaccac 540
cagtgttcat actgactggt tactggatct ttatgctgga aatataaaga cattgcagaa 600
actcccacac attcttaagg aactgcctga gaatttgaaa gtgtgtcctg gggtacacac 660
tgaggccttg atgataacat tggaaatgat gtgtcggtca gtcatggagt tttcatgatg 720
atgctagaaa gtatggattg actttctaaa tctgttcagt ttgcattggt acttactgtg 780
gacttcatag cttactgaca gatagtaatt tgatttattt attgacagac tttgcagcct 840
tgctaaattt taaaagcatt tttaaaaaaa cttctacaaa actctagtat gggcttctga 900
ctttttccag ggtgtagaat ttgactcaaa agtaaaaata attttgtttt agtatattct 960
actttcatta atgtttttt gttctgaaag tgatattata ttgtacatgt aaaattaatt 1020
taaatatttt ttcaaataaa aatgtaatgt cctgtattct agatgttcta ggtcttagaa 1080
tcatggcaag catattcata caaatgcgta cctataaact tgtagctcct gactcttagg 1140
gatggatttt gaggaaaaaa caagactaaa caaaaacatg tagctcccta tttcttctct 1200
ctaggttgtt ggactgaaat atgcatttta gctttgtgtg tttctaaaat aaacatttct 1260
aaaatttaca gtaataatta atattctttt ggtttttaaa tgcagcaaat atgcagagtc 1320
tgacagttca attccttgat ctgttttatt ttagcaattc atatacaaaa tgtatctgtc 1380
gctgccctat gtaacccagt attctgtacc tgaaaacatt ctgctgcata ggtttatgag 1440
tttaatatta agatattgag tggcataagt aatagatttg agattattta agatcttaat 1500
atatagtatg aatttactga gtagtaatgt tttaatttgc agnttttcct tatagcagtt 1560
tgtagtaaaa ctaaaagaaa gggngtggat aataaccact tttgagattg gagtttcttc 1620
actactggga gtaagttaca ttatgataca ggtggaaaat aaacacttcc atttagcttt 1680
tatgtaattc aagngatgac cttagcagtt aatctgctaa agcaatacac ttcagttnta 1740
ttttggaaat agat 1754

<210> 1097
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (765)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (768)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (772)
<223> n equals a,t,g, or c

<400> 1097

aggattattc cttctcatct gctgcaatgg gtcaatgtgt taaggagagg agcgagacag 60
caagaaccgc attcattcag tcatacagrc caaaaggagg aatgtcgccc agccctctaa 120
actgacccag aacccagatc atgtytcaac tgctacctct cctacttaga aagaagtaac 180
tccaccaaag cagggttctg ggacaaatat ttttttattg atcatataca aatagatgaa 240
ggatggactt ggatgttaag aaaaataata ctatacaaaa tcgagagtag acagttgccc 300
ctagacttaa attaaaagtg tgcacattag ataatttaat ccaatgtatc aggtaaaaac 360
ttgaacaaac cttttggcct cttccttaaa attcagggaa gcatgtcctc cacaaaacag 420
aatcaaaata taaataaaag actgccttaa gacgaaagga aaccttacag atgaaaagaa 480
gccagatgag aggcacttaa ctaagaatga aaagaaactg agtggacaaa ataattatga 540
gaagatgaac cttcaaatca gaaagaggga aaaaagctta tttgatacta tgggaactca 600
aaagagagtg aacacaaatg tgaaaattcc aagagtgaag aaaagtatca taactacatt 660
tagagcatga gaaaaagtat acaattttga gtaataagaa cagaaatcaa aagtaactat 720
tgtatgctgt attttagtag agcaacmctg aagaagaaag gaaancanga anta 774

<210> 1098
<211> 164
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<400> 1098
aattcggcag agctgtcacc caggctggag tgttgtggca caatcttggc ttattgcagc 60
ctcaattcct gggcttaaac agtcctccca cctcagcctc ctgggtagcc ggaactacag 120
tcacggcact tccatgtccg gataattttt ttttttttt tnag 164

<210> 1099
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<400> 1099
ggcagctaag acttcagtaa aattgggggt ggggggaggg ttgacatttt ccgactgcct 60

gttacgtgcc aagtgctttt tgttaaggac ataatgtttt tractgggga tcatgtttgg 120
ctgatgtaaa tattaatgcc aaaataggag ctaggatgaa agtaacactg taattagtag 180
tagaatttat ttcatattaa aatgtgtcat gacgtaattt ttatggcttg gctcaagcaa 240
caatttcag agtgcacgta agtatcaacg cgtaaaactt aacattttac agtgttattt 300
ggtattattc tctatgaagc tgtctggatc ggtctccttt tcccattggt taattggtta 360
atgctcagat tttggctcct agaatcgatc tgtgtgttcc cggtcttggc atctcattat 420
gtcatttgct gkatttttg atatattatt gtacgtgcaa attgargtga awttgttgtt 480
ttagattaag actgttggga ctcaagctac aacgaggtgt ctctggnggt aaaaaaactg 540
gcagttttaa gatttgggta aatcccgnnc cccggg 576

<210> 1100
<211> 829
<212> DNA
<213> Homo sapiens

<400> 1100
aaaaaaaaaa aaaaaaaaga atatccctgt ggcaatagtc tgatggtgtt tggacacaag 60
aaaagttatg gttttgagtc gtgagtgttt gctagggcat ggcactcttc agtttaacag 120
ctgatccatt aaacctttc tgacatttgt gccttgttct catgctagaa ttaatgctgg 180
atttttctct catttgacca tcaatgtagt tttacttatt gaaaggaaaa aagacttaac 240
acaagatagg aaagatgagt atgagaagta aaacattctg ctggggtgct acatagaagg 300
ttaggttgta ggggctttga ttttaattta aacttattat cgattgatat ttctgtatct 360
cactaaatgc ggttgaagag tgtgtgtgtg tgtgygcgcg cgcgcatgtg gccaaaaaat 420
agtgccataa tgtcaaattc ttcctttgct ctgtttttga gagttgatga catcaggcac 480
ttttcagtgt ttggggaaat tgattgggat acctcccccа aaccaactca agtctgtaac 540
tggaagccag gtggttggtt ttctggtccg ctttgtcctc tttcttttac cgtcatccta 600
ttcaccagca cttaatgtaa gtagatgttt tagaattgca atatttattg gtttagtatt 660
tgtcatcctt agaaatgtta atgatgtatt tttatattga taatataaat ttrtgtacag 720
tatgtgtgta tatgtatttc aggatgttat agtattgtac tttgtatgtg atggtttttg 780
tgtcttcata ataaatatgt ccctttaaa aaaaaaaaaa aaaaaattc 829

<210> 1101
<211> 1020
<212> DNA
<213> Homo sapiens

<400> 1101
gcgggagtgc gccacgccgc gcgtggggct gtggtggccg cggctctcag atatattttt 60
gccatcatgg atcagtttgg agatatatta gaaggtgaag tggaccattc tttctttgac 120
agtgactttg aagaaggaaa gaaatgtgaa ctaactcakt ttttgacaag caaaatgatg 180
acccaaagga aagaatagat aaagatacaa aaaatgtaaa ttcgaacact ggaatgcaaa 240
caacagaaaa ttatcttact gagaagggaa atgaaagaaa cgtgaaattt ccccccagaac 300
accctgtaga gaatgatgtt acacaaactg taagttcttt ctcattgcca gcctcttcaa 360
gatcaaaaaa attgtgtgat gttacaacag gacttaaaat acacgtgtcc attccaaata 420
gaattcccaa aattgtaaaa gaaggtgaag atgattacta cacagatgga gaggaaagca 480
gtgatgatgg gaagaaatac catgtgaagt ccaagtccgc taaaccatct actaacgtta 540
aaaaaagcat aaggaaaaag tattgcaaag ttagctcctc ttcctcctcc tctttatctt 600
cctcatcttc aggttcaggt acagattgtt tagatgcagg gtctgatagc catctatctg 660
attcgtctcc gtcatctaag tcatctaaga aacatgtatc tggtataacc ctcctgtcac 720
caaaacacaa gtataaatca ggaataaaat cgacagaaac acagccttca agtactacac 780
caaaatgtgg ccactaccct gaggagtctg aagatactgt gactgacgta agtcccttat 840

caactccaga cattagccct cttcagtctt ttgaactggg catagcaaat gatcaaaaag 900
tgaaaattaa aaagcaagaa aatgtgagcc aagaaatata tgaagatgtt gaggatttga 960
aaaataattc aaaatatttg aaagcagcca aaaaagggga agaaaacttg ggcctgttgt 1020

<210> 1102
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<400> 1102
aaattctcaa atatgggaga aattttnttc ttgagaatta tctgagtcat taatattttt 60
caaaaacagc tctcactgac ttgaacctct tctgtaagct ctaacctttt acctgcttta 120
catttccact tgaatgtcta gtaggcatct cttgaccaaa aacagctttt gattcctgtt 180
ctccaacctg ttcctctcct agttttctcc atctcagaaa tgttacttcc tctgcaaagt 240
ctttccctga cttatctaaa ataataacct cctctgtttg ctgtgggaat ttgtatagaa 300
tggtgggaaa atttcaagtt tcatatttgg attagctctg acatttattt atctgaacac 360
tggtaattgc ctcagtaaag acactgataa taagtacctt ttagagttat tttaatcttt 420
aatgctttaa tgtgtaggaa gagtatagtg tcctgttttg cacagaaagg cattctgtaa 480
ataataagtt gccttaattt tcctgtaatg ttcattatat tgttgtggga aggtatttac 540
tcctattatt aaaaataaaa atgtgtaaaa tttaaaataa caaaaaaaaa aaa 593

<210> 1103
<211> 1429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<400> 1103
tgnccaggta actttacact tacaatgaat tcatggattt tgttagcagc attggctttc 60
tcaaaaggac aaactcaata tcgttataaa atataattcg tgatcacaaa ttatacaaaa 120
atcagtagaa acagtttttt atgttcagat taaaaaaaaa aacttgggat aatttttarat 180
ttacaraaaa gttgcaaaga tacatggaga gcttctgtga ccactcaccc agttccccca 240
gtgttaacct tttatttaac catgaagcat ttgtcagaag ctaagtaacc agcaatggca 300
attactatta acggaacttt gactttattt ttcagattgt actagttttt taattaatgt 360
catttttctt ttccaggatc caatctagga taccacactg aattagtcgt catgcctaat 420
tagcctctgg tctgtgatag ttccacagtc tttctttttc ataaccttga cagttttgag 480
gagtactggt caggtgtttt gtagaatatt cctcaatttg ggtttgtctg atgttttcct 540
catggttaga gtggggttat agatttttag gaagaatacc agaggtgaag gtccttctca 600
ctgcatcatg tcaggagtta catgctatca gcttgatggt gtattaactt tggacacttg 660
gttaaggtag tgtgtgttgg ttttttgctg ctgaaaatta ctgttatttt ccctttccat 720
acttctgttc tttggaaaac agtcactaag tccagtcatg ggaggtggtg ggtgggaaag 780
attacattca acccccctgga agtgggaata tccatatgta gtatttggaa tttttctata 840

tggaaaattt gtttctccct cccaccctaa tttgtttaca tcagtatgga ctcatgtata 900
ttttgtattt tgggtaacac agtatttatt ttgttgctta agttgtccag cttggctatt 960
aggagttctg ccaggttggc tactatgtcc ctttgatgtg cccatccttt tgatttttga 1020
gcacttctta ctttctggca ctacaagatg ctccaggttc atcttggata ttccctgccc 1080
caaccctaga atccctagaa tcaacccctg ctccaaagag ccctggttcc ttttgttgga 1140
gaatcatact tagaaaccaa gatctgggca ttagatgtgc ttgttgctac tgggatgtca 1200
ctgtttgtag cagagttgag aaatatgtat gtatattaat ccatgcatat gtacacatct 1260
ataattattt atgtgtgtac aaagctaaac atgagtttgt actgccgtct tcaactcaaa 1320
atttgtccca aaattttgtg gcatatgttt agattttaaa gttgatattt tccctattga 1380
cagaataaac tcattaaaag agcaaaaaaa aaaaaaaaaa aaaaaaatt 1429

<210> 1104
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (658)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (709)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (714)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (716)
<223> n equals a,t,g, or c

<400> 1104
ngttgagtta tttagaattt tatctcaagt gaaagctgat ggattcatct gctttggctg 60
aaattaaact tatcattagt ctagctagca tttcagcatg atattgcaag cacttctcat 120
tgctaaaaat aaataaacca aagtttaacc gaatcagtta gggaaagtga tttaaacttt 180
atttaaagag gtattttcta attatgcaca gatatctact ttatacaaat actttatatg 240

gctatttttg agaaaaccct cacattttaa tgtttatgct agggatgaac ctgaaaattc 300
tattacgttt atttagattt caaaggcaaa tattgattcc tatgctctgt ggtttatttc 360
ttttttctat tgcttctttc tcccttgagt cccttgaagg cagggaatag acttctagaa 420
aacctgagag gaaaaagaat tctttttaca ggaggcagca gaaaactgtc tgaaaggtca 480
attgttttat ctccctttcc actctctttc caatttgggn tttggtggtc tgaagaagaa 540
aaagaaattt tatgtatgta tgtgtaaata tgtgtatata tttctatctc ttgctacaat 600
aattccaact aagtgaactt ctcaattatc atcatactta cttaccttat attaacanat 660
taagatgatg ctgccaaaac aagtctagca gggaaaacag gttctacant tttngnaaat 720
aaattaa 727

<210> 1105
<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<400> 1105
atgtctgcag tatanatagc atagacattt ggtgtgaagg gaggagaaag gaagtagtag 60
ttctgagaat attcatttga acagagtgac tatggaagaa tgaatagcaa aaaaaggaga 120
attttttaa aaagatctct cactgggaaa agaaaaagtt atgcatttat aaagtaatta 180
aactggtttt ccttgtactt tattaatctg aatctaatgg cacttcctta cgagggtttt 240
cagatgtgct tgtagttaat ggcaacatta tcagaatgac tacacagaca gtcctactct 300
gaggagatga ctttggaaga aacccatttg gaactacaca ccctgctatg tctgtggaga 360
aatggaactg caatcctcaa gagtcacact tcatattcct tcctttcaag tggttgataa 420
aaggtagtgc ttcaagcaca ggatttatgg aatagttggc aaattaaaca acatgctttt 480
tattttgact accatttaag tggaatcttt gaacttttt tttgacatgt gaatctctaa 540
tgtggtgaga gagaaaaaca taaaaatata aaaacattca aaaaaaaaaa aaaagggcgg 600
ccgct 605

<210> 1106
<211> 805
<212> DNA
<213> Homo sapiens

<400> 1106
ggggtgcacc tgcttgtgca gtcagcatgt agctgccttt ccatttcatt ctctactggg 60
ctaaaaattg cagctacaag tgttaccatc ttgaagcagt ccacttccat tcaatttttt 120
ttttttaatt ttagaataac agtgtcccca taccaaagga agcctgctag ctcatttcat 180
gtataaattt cccatcttca aacagtttag gtgtatttgt tgctctggtc acattctgca 240
taaaagaaat cctcttaagc ctatggttaa gaaaagcctt gaagtttata ttcagttaaa 300
atatatgtcg gtggagatag ccagtgcttc taattttgac ttagtttcat acagtaaagc 360
ctaaatgtga aacgcacacg ctggaagata ttgttcctat caatattttg ctttttataa 420
caagggtttg ttcatattga tgccattttt gcaggatttc ttcgtgattt ctgtccatat 480
gaaaatgctg acattaaaca ttaacacatg gagaccgtgc cctgtggccc tgccgtggct 540
gccagcatgg tctgtgtttc cttgtggatt cacctgtggc cctgctgtgg ccaccagcat 600
ggtctgtgtc ctcgtggatt cactgcagct gtcggatgcg agtttctgtc ataatcattt 660
gtttcctgat acaattgttc ttattctttt ccaaaactgt aaaataatct cctccctcaa 720

atgcaaaggt tgtttttgtt ctgtttctgt tttctttgaa ataaaattat aacgttaaaa 780
gaaaaaaaaa aaaaaaaaaa aaaaa 805

<210> 1107
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<400> 1107
acactatatn tagggacanc tgcccgtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgtactgcc ctttttyaac ctcagatgtg actttcatta taggaagttc tcaggcattt 120
tctcttggaa taatacctct tctctcttct ctttatgtcc ttgtgccgca ttctgggtta 180
ttcctttagc tctaggttaa gttcactaat tcttccttta gctgtatttc attattgttt 240
aagctgtcca ttgcatttta aactttcttt caaatatctt cccttccctt cctttccctt 300
ctcttccctg ccctgccctg ccctgccctg ccctgccctc ccgtcccctc ccctc 355

<210> 1108
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 1108
cccacgcgtc cgggttattt gtattttacc tggcaaccct atgttggagc ctccttcccc 60
gctgcagcca acaggggtag aggatctgag ctgcttattt gtaactgaaa gtccatggga 120
ctgcttttat ttgggggaat ttttctgtta actgtcatta tgaaagtgat cacgatgaga 180
gattcagatt tatttttaaa attcggtgga ggaatatctc ctcattgatt tagatctttg 240

attttttca tcagaggttt tgytttcctg ctatagattt tgcatatctt ttgttagatt 300
tatacctgaa ggttttgtct ttttggaatg tgtgtttttg cacgtgtttt gctaatntgt 360
ttttaaattc caaattttat tgcttggcat ataacaattt gaattttngg tatattaacc 420
ctggtgaaaa ggaaccaaaa anaacct 447

<210> 1109
<211> 802
<212> DNA
<213> Homo sapiens

<400> 1109
ggttacctcc tgaatcactg tatatgccat gttttgcgat aagattgctt gcattttctg 60
ctcaacaatg tgtatcttct gtttgggaaa gcactagtga tggattactt tttaaagcaa 120
tacatttagc ttgcaaattg tgcctttaaa aaaaaaaata ggcagacttt tgagggccaa 180
gaaggaagct gtccagtttt ccaaaaatcc ttttttccctg ctatcagaaa tgtgaaacca 240
aatttagcaa ccaagattaa tgaaaagatg ggttttccat tagtgctgtc cctatcttgt 300
tcttggcttt gttatgtcct ttccccctaga ctgtatcccg acaaaatgtc ctagtaacaa 360
attgcttttt aagctcctgt tctgggaaaa ctaagcatta aaattgatta ttctaaaaca 420
taaagtggac taaagccatc ctattttata attttctaat gcaaagtggt ttagtataga 480
gttaacactt agaagtttat agtttactgt ttttattctt atgtactgta aggaccatat 540
ttgagttttt ggtctattcc taccattgtt tctttgtggg gaggagttgg ggcggtttgg 600
gggattggtt ttttttttttt gttttttttaa actacaggta tttgtaaaac aatgtttggg 660
ttcaaacaaa ttagttgtta aacatctgta atccagtttt ctgtaaatgt tgctgttgtt 720
ctaagctctg ttaatgttaa gcattctttg tatataaaat tacaataaaa tgttaaaact 780
gaaaaaaaaa aaaaaaaaaa aa 802

<210> 1110
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 1110
aaaatgcaaa gctgattttc atgtttatat atattcatac cttgatatat tgcaatttta 60
gagtttctgc agtctgtcta acttggctgt ttgttcatag gccagatcaa actaccctca 120
ttccccaaaa cttggattgt gaagggatta gtgccccaga actctctgtg ttactggcag 180
ggcaaaatgg gtaggaatag tctggcttag ggaaaaagac atattttctc tctaacacaa 240
ctggcagata ctgaagtggg caggtggcaa gaaaaggcaa gtactgagct gattcagact 300
tgcagaaagc ttcctctcct ccttcttagc aaaatgaaag gctctgggaa aaggcacctg 360
cctttccctg ccttgaggat cctggcatcc ttgagtcttt attgaanatt aatttaatga 420
cttggtcaac aatagcatta cctaatcaca gagcatca 458

<210> 1111
<211> 754
<212> DNA
<213> Homo sapiens

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (660)
<223> n equals a,t,g, or c

<400> 1111
tatagggaaa gctggtacgc ctgcaggtac cggtccggaa ttcccgggtc gacccacgcg 60
tccgcaaatt cttttgtcaa atttgcaaat attgaagaag acacaccatc ctatcacaga 120
cgttatgact tttttgtgtc tcgattcagt gccatgtgcc attcctgtca tagtgatcca 180
gaaatacgaa cagagatacg aattgctgga attagaggta ttcaaggtgt ggttcgcaaa 240
acagtcaacg atgaacttcg ggccaccatt tgggaacctc agcatatgga taagattgtt 300
ccatccctcc tgtttaacat gcaaaagata gaagaagttg acagtcgcat aggccctcct 360
tcttctcctt ctgcaactga caaagaagag aatcctgctg tgctggctga aaactgtttc 420
agagaactgc tgggtcgagc aacttttggg aatatgaata atgctgktag accagttttt 480
gcgcatttag atcatcacaa actgkgggat cccaatgaat ttgcagttca ctgctttaaa 540
attataatgt attccattca ggctcagtat tctcaccatg tgatccagga gattctagga 600
caccttgatg ctcgtaaaaa agatgctccc gggttcgagc aggtattatt caggttctgn 660
tagaggctgt tgcattgctg ctaaggttca taggtcgaca gtgcgaagct tcatacctttt 720
gaacatcgcg ctcagcgtga tcgaacaatg attc 754

<210> 1112
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<400> 1112

ggtcctgagc tggctgccgc ttccaagaca gtcgctttga gggctcttgg caccgatttt 60
gttaaaatgc atgagcttag ggttgtgcag cctgtagggg caggggtggt ctcagaatgg 120
atttggtggc cccaccgtta attaagctcc tgacccctgg gccggtggtg aggtgggaag 180
atgagcctgt gtctcccatg ctgagccaag atcctcaggt accagtagcg gtcaaagcac 240
ctgctccctg aaggaagctt acctggctta gcctcattcc tgctcgtaag tcaggcattc 300
agcttgcaaa gatccccaag cacacaagga gagtcagctg actgagggcc aacagaaaca 360
gcaggcagcc gctgtcagcc acaaagaaac gcagatcctg aaactgtcat catacaggtg 420
agaggatagt tatgtgtgag gtgttcaaag aaagtcgcgc agtcagtgat gagaaagctg 480
katgggtaca tactgtcacg catgaatagg caggactcct taaagaactt tttgggaaat 540
gaaaaacang ccangtgcaa tnggttcatg cctataatcc ccaacacttt nggaggccta 600
aaggggggagg atcactttga ncct 624

<210> 1113
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (658)
<223> n equals a,t,g, or c

<400> 1113
ggaggggaaa agcccctcct tggcaccccc tcttccctga ctgctgtccc ctacccakcc 60
ttgccccctt catccttttg cgtttggtat tgagactctc ctagactcta ctcctctttc 120
ttttgtatgg acagttcccc ttcagtccca tccccctaca catacaccca gccggggcca 180
aatttatact tatataaaag ttgtaaatat gtgaaatttt atccctgtgc cctttcccca 240
cctcaggccc taccctgga ccctccccaa ccttccttct ctcttctttg gctgttgtaa 300
ttatctgggg tttgtactgt acatatccgg ggtgtgtgtg tgtgggctgg gggcaaccct 360
tctgtacaga gcttcctggc cccctccccc cccgcccctc tgcttccctc cccacccacc 420
acctcaaggg tagggagttg ctcttcctac ctgttttatt ttgttttctc gttctccctc 480
cccaccccac tcccagcctt atctatcccc cctcactgtc ccctttttctc cactcccagc 540
cccatttcct ttttttctgg agtgtgtggt gaaacagaaa aaaacatgtt taataaacgg 600
agattgttct tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaancc 660

<210> 1114
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<400> 1114
ttttgaaatg tttttgattg ttttatataa sctagagtga cttcccttac ccttatttag 60
atctgcatat atagttctag tatgaagttt aatagttaag gagttagcta tttgttatct 120
ttaagagtag ggtattgacg tgaacaattg cagtattttg catgatactg ttttatagat 180
gacctttttag gaaagtggtg catttattaa ttgaactgaa gaagtagttc agttgaattc 240
agtatcataa ttcacaaatt ggaggctgtt gattttgatt catttaaggt ttaaaatctt 300

tattaattgc aaacagtgca attatttata cttcacagtg ccttcccaga ccttccacct 360
taggttctgc tgcaaaaagc accaggtaag cmcaacctaa ggacatatat aaataaatat 420
ttcaatrcat taatgttgtc cctgtgaggt ttttgtggtt gtgtattcaa aggcaatctg 480
ctactgcttc cccaaaatgt attttgtnat tttatgc 517

<210> 1115
<211> 886
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<400> 1115
gccgtcntca aaaaaaaaaa aaaaaaaaaa acaaaaaaaa aacaacccag aaaaacccaa 60
aaaacaaaca aacaaaagaa ccaaaaaccc ctttctttca tgcctagatt cattccaaaa 120
aggtttaaga cagcaacaag tgattccagg atctcagctg tgggcatcct tgtgttactg 180
gatggctgtg tgttaaytgt tagcagctgg aataagtgaa gagggtctcg tcctcatact 240
caaagtcctt tgctcatgcc caaggccaga ggynactcat gctgaaacat taccatctcc 300
ctccaaagtg cagggtttag tcactgagta ctgggtggag cacatgactg gatcccagtt 360
aatccctccc agcttaccag taaaacctca ggattcatgc tttcctggga gccacctkcg 420
gccactaaga taggagcggg gttcagacat ggccaggcgc tcctaatctc agacccaaag 480
tgcaattttt ggcagcctgc rtgagaagga gggtgggagg aaaggtggct agaaccaagg 540
gtagcagcct gggggcttga gaggaaaccc argcacagcc catcctaccc tgtctcacga 600
gcagcccgtc ctcctcctga ctccccttac cccacacacc gagcgccatt ctcttgctgc 660
ctcatctatt ctggttaggt acttactgag catcaggtgc taggcaagtg gctggggaga 720
gacaacgttt aatgactcag tctccgcctg cacagagcct ttgagtctag agggagacac 780
agacttactg acaggctggg ttgtgtaata agtgctacgg gaggaaaagc tgagagtgtc 840
tgagaattta tgagatgtgt gtctcatcag acttgggcat caaaaa 886

<210> 1116
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 1116
agacttatga taataagcaa tatttgcaga gtatttgtat gtgccanaca ctattgtaag 60
tgcttcatca tgtactgatt catttaatac tcacagaaat cgtaaatang ggtattattc 120
ttatcctcac tctatggatt aaaaaaacta aggcacaaag ggttaaagcc tccttgcctg 180
agattataga ctgtaagttt gaacgttgag cacttggaat acagarttca tgctgtaaac 240
taccacacta tagggcctcc aatatgataa tttataaaat atttgaataa aaaatgaata 300
ctagttccac atttt 315

<210> 1117
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<400> 1117
nccgacagtg accggntccg gaaattnccc gggtacgacc cacgcgtacc gccagcatgg 60
gccaacagaa caaggacctt gtctctattt tgtttttttgt ttttgttttt gttttttcat 120
ttttcagtgt tcttaagttt aaaacaaaaa aaaaaaaaaa aagaaaaaga aatgcaaagc 180
tttatttttat gagtcagagg acttgatact aagtcttaag attgtaatac tgcccctgcc 240
aagttaatct gcaaattcaa caaattcaaa aaaacaaaaa cctccactcc cagatacctt 300
tttgcaaaaa ttgacaaktt gatcttaaaa tttatgtgga cccagagtag ccaaaataat 360
cttgataaat aacatatttg gagtactcac tcggatatca aaacttaggg caaaactaca 420
attataagac aggcataaag ataagcgaaa taaaagtcca gaaataaacc cttgtgtttt 480
gtagtcartt gatgtttggc aaaagttcca agacaattca aatgggaaag aatagtctct 540
tcaacaaatg gttttgggac aagtaaatat tgacccctcc tttatgcgat atacaaaagt 600
taaactcgaa atgtaacaaa cacctaaata taagaattaa aactataaaa ctctaagagg 660
aatatctaag ggtaaatctt cacgactttg ggttacacaa agccttgttg atgtgacaag 720
tcacaaaaga aaaatagatg aacaccaca 749

<210> 1118
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (636)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<400> 1118
gggagatggc gtgcaagtat ccgctgcggt gttctggtgc tagagtggag aggctggcaa 60
agaagaaggc acacgcatgg tgagaatccg gcctgagccg aagcggagtt tgctatggac 120
agcaaccatc aaagtaatta caaactcagt aaaactgaga agaagttctt aaggaaacag 180
attaaagcca agcatacttt gctgagacat gaaggcattg agacagtatc ctatgccact 240
cagagcctgg ttgttgccaa tggtggtttg ggtaatggtg tgagtcggaa ccagctgctc 300
ccggttttag agaaatgtgg actggtggat gctctcttaa tgccacctaa caagccgtac 360
tcatttgcaa gatacagaac tacagaagaa tctaagagag cctatgttac cctcaatgga 420
aaagaagtag tggatgattt aggacaaaag atcactctgt atttgaattt tgtggaaaaa 480
gtgcagtgga aggagttgag gcctcaagcc ttaccaccag gactcatggt agtagaagaa 540
ataatttctt ctgaggagga gaaaatgctt ttggaaagtg ttgattggac agaagatnca 600
gaccatcaaa actctcaaaa aatccttaaa acacanaaga gtaaagcatt ttggttatga 660
gttccactat gagaacaaca atgtanataa agataagcca ttatctgggg gtcctt 716

<210> 1119
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 1119
gttagtgtat aatgagccca agtgtgattc ttcccatttg ggaattctgt gaatcctgct 60
gtaggttgtt gcctgtctga ttataaaaga ctaggctcat gtttttgctt taaatgtttg 120
agattatggt cttatacctt agtgcttctg gggcaatctg aacattgttt gctttgtaaa 180

ataatttctt ttagagtart ctcatgccaa atttactggc ctttgattca gtacagttgg 240
gtttactgta tgtagtaaar ttganaccct gcgtanattg gtctcatgtt agcattcttg 300
gggaagcttt gaaaaatttc ccaagttaaa aattccagaa attgatnttc cccagatctt 360
ta 362

<210> 1120
<211> 1248
<212> DNA
<213> Homo sapiens

<400> 1120
gcagaaatgc tggggcctgg aataagggag gagaggggac tggagagtgt ggggaatgga 60
aagaagcagt ttactctaga ctaaagagta tattgggggа ggaagagagg gaggcacgta 120
tgaacaagca atgagaagac caggaaaaga aagagctgaa aatggagaaa gccacagtta 180
gaactgttgg atacaggaga agaaacagcg gctccactam agacccgccc cccggttkga 240
tgtccttcca agaatggaat ccttccctgg tgatggtctc tcrccctgtc ttaccagcat 300
ccactctccc ttgtcctccc aggggtgtat ctgagtcagc cagtggcttc ttgatgatgg 360
tggtggtggt tgtagtgtga caggtcccct ttaggttatt taagggtgca tgtcccctgc 420
ttgaaccctg aaggccgggt aatgagccat ttccatggtg cccagctgag gaccaggtgt 480
ctctgagaat ccaaacatcc tggagagtat ctgagaacca accaagtaaa agtctcgttg 540
ctcatatata gtagacaaag agccagaaaa ttaactgaaa agcagtttag acattggggg 600
aggcyggatc tctcgagctg tcttgctgag tgccctgtgt gtaagtccta ataaacttag 660
ctactcgcca agctggactt gtttgagtca ttccttggtc tcatggctcc tttcccgctt 720
tgagggcaag ttcctgtctc aagtttttgt cctaacagtg gtaaaggtga ttgtggtgat 780
gtcagcagac agcaagagga cttgacatgg ggtcggccct gcttggggcc agcgtacact 840
gagggaccga tgacatttca atgaaactcc aaatgctata ttggaaacgt tgatgtgtga 900
agaaaaataa aagcaaaacc agatgccagg aacaagtcaa aatgttgtgg tgcattgagg 960
agatgaacca gcctgcagtc aagagacccc atctctctga gcctcagttt cctcatcagc 1020
tgggaaaggg gggctggaca agatgatatc tcacatccac ctggccctct tctcttgtgt 1080
tctagagact tgtgttcaag caacactgac tgatgactga gcctttgtgt gctgatatat 1140
gggctcccct aggctctggg tgcctgactt ctcttcctca tgattcttct tccaggctct 1200
cagggagcta ggcctccatg gccccttctg cttactctcc agactgcc 1248

<210> 1121
<211> 723
<212> DNA
<213> Homo sapiens

<400> 1121
gtgatcccct cagattgaat taacgaaaag acaacacttc cagtttttgg attgggaaat 60
accttctaat tgagactata gccaaaccag ggccaaaatt atggatattg gtcacccagt 120
gatcataact aggcttgaaa atcactacac atattttctg ccttgagtga acatttttag 180
aggaaaggtt atgccatctt tttaccctaa ccactgatat tctggttagc agggccagga 240
caaggggaag gaaaatgagg tcaacaaaaa aatcaaattt ttaggaaaag ataagatgaa 300
tgttactgat ttttcctttt ggctgaggct gcaatatggc ctggcaaggc actgktactg 360
atcttgkctt taacattttg atattttgtt catcataatt tttgcattta ttttttaaa 420
tattgcatta aaatatcatt tagcttgatt atcgagtttt ttggtttgag gttttttgtt 480
gcttcttttt tcttttcttt ctttcccccc ctttttttg gatgtcccct taaattttgt 540
cccaaggcag gtacctcact catctcatcc ttggctcagc cctgctggtt agtatttagt 600
atttatttta gtaagatatt tgtgtctgta tgatggtcag agttgaactg atctggcttg 660
tcatttttca gtaataaaaa aagttactga atttaaaaaa aaaaaaaaaa aaaaaaaaaa 720

aaa 723

<210> 1122
<211> 782
<212> DNA
<213> Homo sapiens

<400> 1122
tttattctca gaagacttac tatgaatgag ctaaatagtg tttcagatct ggatcgttgc 60
catttatacc tgatggtgtt aactgagctt ataaatctgc atttgaaggt tgggtggaaa 120
aggggtaacc ctatctggag agttatttct cttttgaaaa atgcatccat tcagcatctt 180
caagagatgg acagtggaca ggagccaaca gttggaagtc agattcagag agtagtgagc 240
atggctgcct tggccatggt gtgtgaggcc atagaccaga agcctgagct gcagctggac 300
tctctccatg ctgggcccct ggaaagcttc ctttcctctc ttcagctcaa tcagacgctg 360
cagaagcccc acgcagagga gcagagcagt tatgctcacc ccttggagtg cagcagtgtt 420
ttggaagaat cgtcatcttc ccaaggatgg ggaaaaatag ttgcacaata tattcatgat 480
caatgggtgt gcctctcttt cctgttgaaa aaatatcaca cccttatacc aaccacaggg 540
agtgaaattc tggaaccgtt tctacctgcc gttcagatgc caataaggac tttgcagtct 600
gcactagaag ccctcacagt tctttcttct gatcaagttt taccagtgtt ccattgcttg 660
aaagtgttgg ttcccaactt ctgacttcct ctgaatcact ctgcatagag cttttgacat 720
ggctggaaaa tatatcttct ttaagcacac tcagctgata ttctgggcta attaaaagct 780
tt 782

<210> 1123
<211> 768
<212> DNA
<213> Homo sapiens

<400> 1123
ctagttctag atcgcgagcg gccgcccttt ttttttaaa gaaacacttt ttattttgaa 60
gtaattatag tctcatagga agttgcaaaa gtagtacata gagtccctga gtactcttcc 120
cccagtggtg acaactgtag tataatatca attctgggaa attgacattg gtacaatacc 180
aaatatacta tgccttttc tctaaggcat gatgttgcag tagcatcctt gtacatgtag 240
ctaggagaac ttgtactaag cccagataaa tagttgaagt acaagggcra ggagtgtgtc 300
tttgatattt taatagaaat cacctattgc cctctagaaa agctgtaccc ttttccagtg 360
gcagagaacc ttcctgaaag gcagtcctgt gtaatggtgt ccatttcatc acacccttaa 420
aacactcagc tttaacaaac atgcagattt ttgctgatgt gggagaaaat attaattatt 480
aatgatatta aggtgattat cttttcgtat gtttatagat atttgtattt ctttttaaat 540
gaactgctca tgacctttgt ctacttttat ttgggtttac ttctttctca tttattccta 600
taaactcttt ataaaaggaa attaaccatt tgattgtcat atgttgtgaa tatttttacc 660
attttgactt ttgaatttat gtctttttaa tgaattgtag aagtttaaaa tctttatgga 720
ataaatttat ttagtttttt gttaaaaaaa aaaaaagaaa aaagacaa 768

<210> 1124
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (52)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<400> 1124
agcaggccag gctcccctcg gcaaacctgt ctaattgggg cggggagcgg anttcctcct 60
ctgagggccg tgcgcgctgc cagatttgtt cttccgcccc tgcctccgcg gctcggaggc 120
gagcggaagg tgccccgggg ccgaggcccg tgacggggcg ggcgggagcc ccggcagtcc 180
ggggtcgccg gcgagggcca tgtcgctgtt gggggacccg ctacaggccc tgccnacctc 240
ggccgccccc acangggccg ctgctcgccc ctcc 274

<210> 1125
<211> 1135
<212> DNA
<213> Homo sapiens

<400> 1125
aattcggcac gaggagctac ggaaggaggg ctttgacccg gctattgtga aagacccgct 60
gttctatcta gatgcccaga agggccgcta cgtcccgctg gaccaagagg cctacagccg 120
catccaggca ggcgaggaga agctgtgatt ccccccatcc ctctgagggc cggcggatgc 180
tggatccgga gccccaggtt ccgccccaga gcggtcctgg acaaggccag accaaagcaa 240
gcagggcctg gcacctccat cctgaggtgc tgcccctcca tccaaaactg ccaagtgact 300
cattgccttc ccaacccttc cagaggcttt ctgtgaaagt ctcatgtcca agttccgtct 360
tctgggctgg gcaggccctc tggttcccag gctgagactg acgggttttc tcaggatgat 420
gtcttgggtg agggtaggga gaggacaagg ggtcaccgag cccttcccag agagcaggga 480
gcttataaat ggaaccagag cagaagtccc cagactcagg aagtcaacag agtgggcagg 540
gacagtggta gcatccatct ggtggccaaa gagaatcgta gccccagagc tgcccaagtt 600
cactgggctc cacccccacc tccaggaggg gaggagagga cctgacatct gtaggtggcc 660
cctgatgccc catctacagc aggaggtcag gaccacgccc ctggcctctc cccactcccc 720
catcctcctc cctgggtggc tgcctgatta tccctcaggc agggcctctc agtccttgtg 780
ggtctgtgtc acctccatct cagtcttggc ctggctatga ggggaggagg aatgggagag 840
ggggctcagg ggccaataaa ctctgccttg agtcctccta gcctgtgtgc aaaccaccca 900
agcccaccct gaccccagaa ccccacagcc ccactgtggc cgcttgatcc cccacgccaa 960
ccccctggcc cattgacccg cctcatctgt tcattcactt atctaagctg agggtgtagc 1020
aggtaagatg ccgcagcccc tgcctccaat gtgctggttc agccggggca gtgcccatgt 1080
gaatctggca aggtgtttaa cagtgtgggc ttgaaagtcc aaaccaaaaa aaaaa 1135

<210> 1126
<211> 446
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<400> 1126
aattcggcac gaggacaaaa ccaattaaac cggctctcaa atcagcagag gtggaattga 60
agacaggagg aaataattca aatcaggttt ctgaaactga tgaaaaagaa gacctgctgc 120
atgaaaaccg cttgatgcaa gatgaaattg ccaggctcag gctggaaaaa gacacaataa 180
aaaaccaaaa cctggaaaag aaatacttaa aagactttga aattgtgaaa agaaagcatg 240
aagaccttca aaaggctcta aaacgggaat ggggaaacat tagcaaaaac gatagcctgt 300
tatagtggac agcttgctgc tctgacagwt gaaaacacaa cgctccgttc cmaactggag 360
aagcaaagag agagcaggca agactggraa cagaatgcat cctaccttgt aggctgatgc 420
tgttcgttgt gttcnggttc aagtca 446

<210> 1127
<211> 573
<212> DNA
<213> Homo sapiens

<400> 1127
cctcatctct atggctctat ggctgtacat taggacctag aacagtggcc cattgctctt 60
agactggaac catgtccact aaaataaacc taagcagatg ttgtagacct agccccacag 120
gactgcattt agctgcttca gtgacacttt gatgaaagta tggagaagtg gagacattat 180
agataaaata tatcaattcc cagagaaaac tcttgactta aaaacttaac tgtagtaaat 240
atatcttttt caggtgatga attatttttt taaaaaaggt tacatatagg aattctgcag 300
tataatttgg aggctattag tgctatatta atggaaatta attatttttt aagtaagtcc 360
aaaaaatаat ctagaaagta agtttccaga gcaaatctga cctagcattt ggtatgctag 420
gctctgcttt tcatgatttt gaaataaatc ataattagac ttaacaatat ggagaaaata 480
aacttgtatt tttaagtgtt ctgttggctt attttctgtt tcatccaact caataattct 540
gataaataaa tttggttcta gtttaaaaaa aaa 573

<210> 1128
<211> 2229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (872)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1968)
<223> n equals a,t,g, or c

<400> 1128
tcgacccacg cgtccgccca cgcgtccgcc tgacttctcc tcccggccag ttctcgagcg 60
cctcaccggg cctcgccctg cagcctcgct ctcgctggcg ctgcgcggcc taggggactg 120
ggctgctggc ctccgggtgc ggggtggggg caggctccga cctggggcgt cctggcagcg 180
cgagccgcgg gatgggggcc cgggccgcgg aggaggcgcc gctgctgtgt cccttggtgg 240

agagggcgct gccggccctg cgcggtttcc agccaggaag cttcgggaag cctggacgtc 300
tgctcactgg agatgacacg tgcgtggggt gttggcattc ttgttattta acacgggaag 360
gaggtgactt cgcctgtgat ggacttccag tgtgagcact ggccagagtg accaggctga 420
ccagcaccag ccctgatcca gatgcagagg ccaggatgtg ggcccagccc tgtgccagga 480
ggctggctgg aataaaggga tgggcaggct ggcatggggg cagccgctgc ccctgcctgg 540
gtgttgctgt gtattcctgc cggccagggg ccactgccag gaccacgcct ccctttttcat 600
atcccgattc ttaagttctg ctattgtggt attctggtgg agaaaaaaga accgcgtggc 660
tgtttttgaa ctgcctggaa cctaagaccc tgaattcttt tccccccccaa ggggaaaatc 720
tatatggaaa acatttattt taaaatacag gatgaagtga attaaaagat ttaaatgcac 780
atttctttaa ggataatatt tctgtgttgg caaaatttga gagtaaattg gtcttgaatg 840
gaatggattg tcttgactca cacattgcgg ancagagccc gccctgaaga aaggtgttgc 900
tgtggtggga tcttcccacg agggtccttg cctgttctcc taggggatgg ttgctgggtg 960
ccctgggcta ctggggagag cgtacggggc tggagaagat ggccattcct gggctgtttc 1020
ctagggaatg agttgtacat ctcatggctg gattttgtaa aatcagtttt taaaataccg 1080
catatatctg ttttcttact ggaacacctt tttcttggtc tgttgtgcac agcccaggtt 1140
tgggggtac tggtcattga ctgtttcaga agccgctgtg tttggggaac tgccctggcg 1200
gcttcagagg tgtgtgtggg ttgaagggca ggcactctgc aatagacctc accttggact 1260
aacacytgag ggcyrcytcg ccaggaagga ttcaggggct caaccccagc ctgagtgcct 1320
gggctgggtg gatccacagc ggggcgaagg gtcccacaca cagcatcgat gggggctcag 1380
ggtgctcagc cctgggcatt acataaaagc tgtttattga cattacgttc ttcagagtaa 1440
caaacccccct tggaggactc tcctgccggg atgtccatgt ccgcctttgc tccgagctgg 1500
ggtctcatgt ctgtggtgct ggaatccaga gccctgacgg taggggagtg attttgcaac 1560
acagttgcat ttcacatctt ctgacaggat tccttgaggg agggytggac cctggcacct 1620
ggccagctcc aggaagggtg gccaggcccc tcactgcccc atcaagagta cttggtgttg 1680
gagatcttct tccagagcag agtcttgagg tggctgagca ccagcgagtg atgggcctcc 1740
acctggctgg ccagcccgct cagcgtggta caggtgcgca gctgtgtgcc cagctcctcg 1800
cggaggtcgg cgggcgcgcc aggcagcagg tagccccgta gcagtgcgca caccttggcc 1860
aggttgggct ggatgaggtc gcccttgcac tgcctcatga gcctgtcaca cggggccctg 1920
cagtcgcgcc cgtaggtgca gtcggtgctg tgctcgcctt ggcgggcnaa gatcgccatc 1980
ggcctgctgg agttcgtgga ggagctcttc cacggctctt acgggacttt ctacatgtgt 2040
gagaccacac tggccaacgt gggctacaca gccacctacg acttcaagat ggccgacctg 2100
cagcaggtgg cacccgaggc caccgtgcgc cgcttcctct cgtgccgaat tcctgcagcc 2160
cgggggatcc actagttcta gagcggccgc caccgcggtg gagcaccagc tttgttccct 2220
tagtgagct 2229

<210> 1129
<211> 949
<212> DNA
<213> Homo sapiens

<400> 1129
agctaccacc tcaagctttc aaccacattg ccaagttatg cagccttaaa cgacttgttc 60
tctatcgaac aaaagtagag attgaagact atgatgtgat agctagcatg ataggagcca 120
agtgtaaaaa actccggacc ctggatctgt ggagatgtaa gaatattact gagaatggaa 180
tagcagaact ggcttctggg tgtccactac tggaggagct tgaccttggc tggtgccaac 240
tctgcagaca scaccgggtg ttcaccagac tggcacacca gctcccaaac ttgcaaaaac 300
tctttcttac agctaataga tctgtgtgtg acacagacat tgatgaattg gcatgtaatt 360
gtaccaggtt acagcasctg gacatattak gaacaagaat ggtaagtccg gcatccttaa 420
gaaaactcct ggaatcttgt aaagatcttt ctttacttga tgtgtccttc tgttcgcaga 480
ttgataacag agctgtgcta gaactgaatg caagctttcc aaaagtgttc ataaaaaaga 540
gctttactca gtgacttaat atatgttctg tattaaaatt aatgtgcttt gttggggttt 600

aattttggga ttggttttgg gttttgtttt tagttgtttt aatggtaaga attaagacat 660
ttgtagattt taaagaaaaa tatgaaattg tccattaaat caagtaaaaa tgtgcacaaa 720
tgttttcata aaatactgca agcacttctc ttcaagaata tgagtggata ttatttttac 780
cttatgttaa tcagtgatat gctttagtca ataatatgat tgataaaaga ataacatgga 840
atcatgctaa cttattttca aaggaacact gagcaataaa gtatcgtggc atttatgcaa 900
aaaaaaaagt taatttttta caccttcatg taaggatgtc ttattaaag 949

<210> 1130
<211> 1418
<212> DNA
<213> Homo sapiens

<400> 1130
agggtttcct ggataggctt gctgaagatg aaggggacag tgagccagag gccgttggac 60
agtccagggg agaagacaga agaagtagag aggcagggcc tggtgacagt atcagtgagt 120
gccatacaga attgtgtatt caccagcatc atgaaacagt tgtggtcttt tgagttgatc 180
ttggcagagt aaagggacgt gtcctggagc cattcctgaa tctccccttc tttgtgacag 240
ctcctcccac ccccccaaaa aataaaaaaa ccacaaaaaa caaaaaaaca aaactaaggc 300
acttcactta gagactggag tcctgcttat aatcatgcat ataaccttta ctttgatgga 360
tctggccaga ggggtgttgg agcccagccc acccacatac cagtcaagct cttaggggag 420
cagaagaaaa gcaggaagaa tttaaatgtt taatttttt tttaaattga cttttctagt 480
tattaaaagt tgcttgtttc agcagtgata ttgtataaag aacatcttgt aagatactcc 540
tgacatcttg ctttagcaca tgtacagtac agtttctatg ataatgtgtt tgctctaact 600
tccctggctt ctccttcagc ccatccactc tcctctagag cagttgggtt ggaggctcat 660
tgaggcaagc agcaacattg gaggggggagc agggcagtgc tgtgtctgct gcctcccatg 720
cccgttctga cctcagcctt ggaactcctc aagaacctga agattccagt ggtcagtgtc 780
ggtgggggggt gggaggagag agcggcagag aagctctgag agccccttcc cccacaacaa 840
atctagctct agttgttata tttaggcaaa actttgtagt cttctttccc ttttatgatg 900
gattttgata aaagtacaaa acagggtttt tctttttttat caccttgaa tttggaaatt 960
ttgagcaccc aagctcttct gtacctattt aaagtccacc aaggggactg cagctcctag 1020
aacatgagaa tcaagcctct taattttaaa ctgcggaatg tggcctctgc ttcctccgtc 1080
ctcctgccca aggacgacga ggattgctcc agggctgctg ggtagtttac cgtcccttct 1140
ataggcatgg agttggcact gacatcacag cttcataacc ccaccaccgc cagcttcccc 1200
tgcctcctac atccagtctg ttcttgttca tagtgagaat cctgtgttcc cacttcagtg 1260
acacctgaat tgtttgttgt tgtttttttt ttttattgtc ttcaaagagg aagggcccca 1320
ttaaagggtg aacttgtaat aaattggaat ttcaaataaa cctcatgtac ttgtgtttat 1380
aaagaaraaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1418

<210> 1131
<211> 1662
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1656)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1661)

<223> n equals a,t,g, or c

<400> 1131
aacacatcag wactcataca ggagaaaggc cctttaagtg tcccttcgaa ggctgcggtc 60
ggtccttttac aacatcaaat atcagaaaag tgcacgttag gacacacaca ggagaaagac 120
cttattactg cacagagcca ggatgtggga gggcatttgc cagtgcaaca aattataaaa 180
accatgtgag gatacacaca ggagaaaagc catatgtttg tacagttcct gggtgtgaca 240
aaaggtttac agaatattcc agtttgtaca aacatcatgt tgtccacact cattccaaac 300
cttacaactg taaccactgt gggaagacat acaagcagat ctccacgctg gccatgcaca 360
aacggacagc ccacaacgac actgagccca tcgaggagga gcaggaagcc ttctttgagc 420
cgcccccagg tcaaggtgaa gatgttctta aagggtccca gattacgtat gttacaggtg 480
tagaagggga cgacgttgtt tctacacaag tagccacagt aacccaatct ggactgagtc 540
aacaagttac actcatatcc caggatggga ctcagcatgt caacatatct caagctgaca 600
tgcaggccat tggcaacacc atcacaatgg taacgcagga tggcacgccc atcacagtcc 660
ccgcccatga tgcagtcatc tcctcagcag gaacgcactc tgttgctatg gttactgctg 720
agggtacaga agggcaacag gttgcaattg tagctcaaga cttggcagca ttccatactg 780
cctcatcaga aatggggcac cagcagcata gccatcactt agtaaccaca gaaaccagac 840
ctctgacctt agtagcaaca tccaatggca cccagattgc agttcagctt ggagaacagc 900
catctctgga agaagccatc agaatagcgt ctagaatcca acaaggagaa acgccagggt 960
tggatgatta atcctcagaa caatggagca ataaagcaga aggagtcttt catcttctgg 1020
cagcagaaat ccatgaagcc cgggcccagg aaaattagaa gttttccatt cctgatacac 1080
tgtacacatt tttatgcgag agtggagaac attttattct tgacactttt gtgtatataa 1140
cccttggaat agattctcag agtgattcat tgtgtacaag gaagtatgaa attagggcaa 1200
tacagtaaat tttcatgtta ctcttttatc agatcacaaa ctcctagagt ctacatgcaa 1260
gactagtaaa gtcttatgga gtcttatgat ggatttttaa cttcccgtgg aaaaaaaaat 1320
aaaggctgta tctaaaatat caaaggttct atatgtcaca caatcgtaat tccaaaagcc 1380
attatggata ataaagggtg taaagccttc agatatttcc ccagttagta gagtgtctgc 1440
ggtttttgtt ctactatatg cttgtccatt tttatttgta tctcatggtt tgcagactgt 1500
ttgaataatt tatagtttcc catccctgtt aaaaaccagc tcttcaagct gaaatgctaa 1560
ttatattggc attacattga attatgtaca aaattataaa atttggttat ttaaaattaa 1620
aaagttaaat ccaaaaaaaa aaaaaaaaaa aaaaangggg ng 1662

<210> 1132
<211> 387
<212> DNA
<213> Homo sapiens

<400> 1132
ggcacgaggt ttttaaagat agggtcctgc catgttgccc aggcttgact tgaactccta 60
ggtcaagtga tcctcccatc tcagcctcct gagtagctgc gactacagga accagccacc 120
acacacccat gtccacccac cttagggtta atctttgtta ctagccctca ctactcagaa 180
ttggtgagac ctctccattt ctgcttcact cagcttacgt ggtttgctca cactgacacc 240
aacaaacacc tgtcaatccc tatgtccctc ctgtcttcca aaaataccta gaaattgctg 300
ctctattgac ggtagtattt cttgttttct agtgttgcta ttatttgtct attgtactcg 360
gttttgcatt ttagtcacct gaatgtc 387

<210> 1133
<211> 82
<212> DNA
<213> Homo sapiens

<400> 1133
tcgacccacg cgtccggttc tagatcgcga gcggccgccc ttttttttt ttttaaacgt 60
ttctgcactg gcaaaaaaaa aa 82

<210> 1134
<211> 806
<212> DNA
<213> Homo sapiens

<400> 1134
ggagaccaga gtgggaggaa ggcggggagt ccaggttccg ccccggagcc gacttcctcc 60
tggtcggcgg ctgcagcggg gtgagcggcg gcagcggccg gggatcctgg agccatgggg 120
cgcgcgcgcg acgccatcct ggatgcgctg gagaacctga ccgccgagga gctcaagaag 180
ttcaagctga agctgctgtc ggtgccgctg cgcgagggct acgggcgcat cccgcggggc 240
gcgctgctgt ccatggacgc cttggacctc accgacaagc tggtcagctt ctacctggag 300
acctacggcg ccgagctcac cgctaacgtg ctgcgcgaca tgggcctgca ggagatggcc 360
gggcagctgc aggcggccac gcaccagggc tctggagccg cgccagctgg gatccaggcc 420
cctcctcagt cggcagccaa gccaggcctg cactttatag accagcaccg ggctgcgctt 480
atcgcgaggg tcacaaacgt tgagtggctg ctggatgctc tgtacgggaa ggtcctgacg 540
gatgagcagt accaggcagt gcgggccgag cccaccaacc caagcaagat gcggaagctc 600
ttcagtttca caccagcctg gaactggacc tgcaaggact tgctcctyca ggccctaagg 660
gagtcccagt cctacctggt ggaggacctk gagcggagct gaggctcctt cccagcaaca 720
ctccggtcac ccctggcaat cccaccaaat catcctgaat ctgatctttt tatacacaat 780
atacgaaaag ccagcttgaa aaaaaa 806

<210> 1135
<211> 639
<212> DNA
<213> Homo sapiens

<400> 1135
gagctgaagc tgctgtcggt gccgctgcgc gagggctacg ggcgcgcgcg acgccatcct 60
ggatgcgctg gagaacctga ccgccgagga gctcaagaag ttcaagctgg tcagcttcta 120
cctggagacc tacggcgccg agctcaccgc taacgtgctg cgcgacatgg gcctgcagga 180
gatggccggg cagctgcagg cggccacgca ccagggctct ggagccgcgc cagctgggat 240
ccaggcccct cctcagtcgg cagccaagcc aggcctgcac tttatagacc agcaccgggc 300
tgcgcttatc gcgagggtca caaacgttga gtggctgctg gatgctctgt acgggaaggt 360
cctgacggat gagcagtacc aggcagtgcg gccgagccca ccaacccaag caagatgcgg 420
aagctcttca gtttcacacc agcctggaac tggacctgca aggacttgct cctccaggcc 480
ctaagggagt cccagtccta cctggtggag gacctggagc ggagctgagg ctccttccca 540
gcaacactcc ggtcagccct ggcaatccca ccaaatcatc ctgaatctga tctttttata 600
cacaatatac gaaaagccag cttgaaaaaa aaaaaaaaa 639

<210> 1136
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (427)

<223> n equals a,t,g, or c

<400> 1136
gtccggaatt cccgggtcga cccacgcgtc ccaaaaaaaa gcaaatgctg aaatcctatt 60
ggcaaagtaa actgaaattg gctgctatat tttatataat catttctgca aatcccattt 120
tttgaatact aatatttgac atggttaatt cttattaatt tgttggaatt gtttattgtt 180
aataatgcaa atagataatt tttaattatc cacaagtaac atttcactgt taatggtttg 240
aaataggtga taagcaaacc aatttgaaat aaaatataaa catgtgccat tgtattataa 300
cactatacac tttcttgaca gttaaattta aaaaaaaatt ttttttggta gcatgtattg 360
tatatgttta tagtatatgt agtaaataaa aatatggcca aaaaaaaaaa aaaaaaatta 420
ctgcggnccg acaagggaat tc 442

<210> 1137
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (668)
<223> n equals a,t,g, or c

<400> 1137
aacaaatgtt gtcacttgaa ataccaaaac aacatttctg agcgttgttg agggactggc 60
aaagcaatca gctactataa caaatcagta grrataaccc tcccacacca gatatgcatg 120
cagaaggaat ggagtattat agagacttga tacaatggac atatgcacat ggaggtacaa 180
aacacacagt ctaaatacaa atgaattcca tcagatttac tatacggaac atcagtagtg 240
acagattgca cttcttactt aataacagca aacttaattt ctgaggggaa aaaaatggcg 300
aagtcttatc ccaaacaaat agcaagagag gtatcatcaa gagctaaaat tttctttggc 360
atggtaaagg gggaaattga gtttaccaac ttatttacat gacatttctc tatattggtg 420
agtaatgcaa tgccattttg ttacataaag ttgtttgatg ttttttaata tgccttcata 480
taaatatttt attcaatatg ttgtatttgt gaatttaaca aatgatatta aacacaaact 540
acaatgcaga caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggnggc cnttttaaag 660
gntccaantt tac 673

<210> 1138
<211> 558
<212> DNA
<213> Homo sapiens

<400> 1138
gcccacgcgt ccgatcttcg agctgaagaa attgatccag tttactttga tcttcaccct 60
ggtcagggcc atacaaaacc tgaatactat tatcctaatt tccttccatc ccctttcagc 120
tcctgggacc tacgagatat ggccctgctt ctgaacgcag agaacaaaac ggaagccgtg 180
ccccgagtgg gaggacttct tgggaagtat atcgatagac ttattcagct tgagtggctg 240
caagtccaga ctgtacagtg tgaaaaagca aaggggggca aagcaaggcc ccccactgcc 300
cctgggacct caggggcact gaaaagccct gggagaagta agctaattgc tagtgctctg 360
tccaagccac tacctcacca ggaaggggct tcaaagtcag gcccttcccg aaagaaagct 420
tttcaccatg aagaaatcca cccatcacat tatgcatttg agacttcccc tagacccatt 480
gatgtgcttg gtggtaccag gttttgttct cagaggcaaa cccttgaaat gaggacagaa 540
gaaaagaaaa aaaaaaaa 558

<210> 1139
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 1139
gatcatatgg taagcgtacg tttagtttag ttttttttct tcttttttct ttttktttnc 60
yggggttaga agcyattcga aaagtccagt ttcygtccca gtgtagcaaa atgtagttcc 120
tcggttgttt ttctttaaat gctttataat tttacactac ctttttaata tacaaacctc 180
attcttcatt ggataacttg aaggctttga tttctttaaa aatttaaatt ttagtrtgta 240
tattactttg acagttccct catctttgag atgcactgat cactgtgctt gaaaaagaca 300
atactgaaga ttgtactatg aagtttattg aataattttc ataaattatt tatccaaatg 360
agagattttt agatttttgt attctgctta gttttaaaaa aaaaaaatag tagtttaaaa 420
gagaggctag taagtttgat gctattcttg ccaaacaaac tcagccaaaa tctttaaagt 480
aacaagaggg aaaaggatga ctaatcgttc tgcttctgag tacattttcc aaaacgttgg 540
aaagaaactt ctgaattgaa atcttgaatg tattgaatct gtcaaggtac acagcggtgc 600
ctttgtaaat gttcattact ttatttaatc aggtgataag tggtgtaatg tagcagagct 660
taagaataga actcaattat cacttttttgt gaacaagttg gaattgtcat gttactgtgt 720
aattgatttg ctttacaatg aacaataaat ttaataaaat aaaaaaaaaa aaaaaaaggg 780
cggccgctc 789

<210> 1140
<211> 830
<212> DNA
<213> Homo sapiens

<400> 1140
ggaacacagt ttgtaagttc acatttacta taatgggcca aaaccataac ctgccagttt 60
gcaatacatc ttgatctttt aatattctta tctgatattg tgtaattcaa ttcctaaact 120

gatagttacc ttgaattttg cgaaaaggtt tgggtggttt tttttaaaca tgaaattgag 180
ggatctcatc tgggcgaaca agaagagaaa gctgtgaatt gtactgtatc atgtacattc 240
ctgatttaat actttacaga acattttatt cagatatcaa tttgttacat aaacatttca 300
gcaatgatac aaagataact gataaaatat attacattca atgaggtttt ctttacaaat 360
gctctacttg aggtctgtgt cttaaagatg gcatgacacc taagtacaag acatcaactg 420
aatgaggatt ttaaaaaatg gtatataagc ataggacaag ggctatgttt gtttgttttt 480
caaaagtgct ttgaagataa cagcctttag gtttgagtta tttcactttt cataattttt 540
aagtagctta tatataatgg tggtaccata ggattttctt ttttcaaatg actgtcggca 600
gaaacagtgg gcactgactc acctttgag ttttagcaga gaattattta tttctttaca 660
atgcactttc taacccattg tagctatatt agcattatct tttaaaaaag acatgctttt 720
gtatttaaat attgtaggat ttaagtgkct ttctcaaaat agcytattcc tttctgaaag 780
aaaatgaggg aaatactctg aattattagg agacttaaac ccaatattta 830

<210> 1141
<211> 1110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1108)
<223> n equals a,t,g, or c

<400> 1141
catttaatac tggagttagc cacatgtgat tagtggctat ggtattggac agggaaggta 60
cagaatactt ccatcaacat agaaaattct atcagtctag ctctaggggc agatagtcct 120
tccactgact tgggcaagtc actctacaaa tggcatctac ctcacatggt tatggtgaga 180
attcagcgta tgtatgtaca tgcaggcaca caatatgcac acagacacat aacatagtac 240
acccctttcct gaaaagcctg acacatggag ctcaaacatg agtgccaccc acccctgggc 300
agcaccaaga tggctctagt ctgggtgcct ttgtctcacc cccatgcctt tgctcggagt 360
gtgctcctca tttttctgcc actttgaccc tgtctctgat ttggtcctgt ctgacatcac 420
tgctatatgc tttgctcctc tcaatttcct ctgccctcat gccagcagga gtcatgccag 480
agatcatatc tgagaaagca agacaatttt gtgtgtgtgt ctgtgcccat agaggagtgc 540
tggttgtgtt gatatagttg tagattggtt gtgtttacac agttgtatat attgacaccc 600
ttgagtgtta tgacttcttt tgggggtggt cgccttttaa atcataactt ttaatgggat 660
tccattttag tctttgtgaa gacataaggt tgttggcagg catctgtccc tgggagcatc 720
caagcagaaa agactaagac tcccttgtag acagatcact ggccgccact gaagtgtgtc 780
tgcatggcac cacagggctg gaagaccctt gaaggcagga attcaaggaa atgtatgatg 840
aattttggca ttgccatcaa aagcagaaca ggcatggaaa acttgggtga gtgggcgaga 900
caacctcctc accacagcag agttccatcc atgcctggat aatgakggag ggatttgtgt 960
ccactgcagt ggggaaccat gaaggacaca tcaagggtgt ggttggcctg tggtgctctt 1020
tggaggaatg aataaaaatg aatagaaatc ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaggnntt 1110

<210> 1142
<211> 406

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<400> 1142
gttaaaaatg gaaagcagaa agtaactgca gtgatgaaca ttttggtcca aattcttgtt 60
ttaaatctta cacctgaaag taaaatattg ggatcacttt tccctgtcta aactccagga 120
tacagtatcc aatttatcca aacagaactg tggtgtcaat gtgtaattaa ttgtgtaaaa 180
tagccttccc aagtttcttt ttccctggaa aaataaaaaa ggtaatagaa cttgtagttt 240
tatgtaaacc ccatgtcatg aggaggtact agttccaagc aacaaactcc ttaatttgct 300
ctaatagata ggtatggttt aatctttcca ttgtgtcttt tcatttaatt ttcctgaagc 360
ttgcaggata gattgaaatg ttataggttt gtttggantt aaccac 406

<210> 1143
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<400> 1143
gcgtccttcc acgcgtccgg cgactgcagc gggtncggtg caggtgaggg gcgcgcgcct 60
gcccagcttt gcagcccccg aacgcggcct cgcacagata cccagacaaa tggattctaa 120
aatttgaata gaagagcaaa gaaaatagga accaatttga aggactacaa ggtggactgc 180
ttgctcagct cagtatcaac acttatggag tcattgcagt tttcagtaga ggtgtacttc 240
tgagaagtgg cttcttgggt cttcatgcag ccatggatct ggatwaacca tctgtttggg 300
gctcattaaa acagcggacc aggccattgt tgatcaactt gagcawgaag aaggtgaaaa 360
agaacccaag taagccccca gatctacggg caaggcatca cttggaccgg cgnctcancc 420
t 421

<210> 1144
<211> 266
<212> DNA
<213> Homo sapiens

<400> 1144
aaaagtgtag ttatcgtaac atcaccttga aacaactttg ttactgggat acatttaatt 60
aagcaactac catgaatgta gtcggtacct tgccttacgt gcttcagtat atatgttgtt 120
cttgttttat gtacaggcta aatttgkaga ttgaatagca gaatattagt tctgwtctta 180
tagggcctac tgstgtattc agagttatga agctacgttt cttctgcgtt tggctgcacc 240
atgaaatcct aagaagacct aaaccc 266

<210> 1145
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<400> 1145
gcatnaaatg caagtataaa acattccaaa ttaaaataga atatgcacat tgttcaaagg 60
caaaactctt accctactat atatatttta catccctcat ttttttcccc tctaaaatgc 120
attggtattc aggattagaa tctgaatctt ttgctataaa gttgacatac atnggtttta 180
atcccttgaa agttcagtaa agacctaaaa ggaaaagcat cctaccacac cacactcatg 240
ttgtatgtgc aactattata gtggcttaga gacactagtt cgtgttcttc gtttctatat 300
tagtaaagat gttagaggaa attaatctgt ttgttgcatc agggtttaat gtgaccatgt 360
tgkataacta ttctgaaagg taagaagttt ttcactggag tacagtcact ggctgagaac 420
atttaagttt ttttttgaag catacacagt taacaactat tgcaggaaga actctgaatt 480
aaatttcagg cccagagttt tgatttaaac tccaaaccct tggaaaaaaa gactgctgga 540
aaatatgaaa gaacccttcg tttcttaacc cccacaagtc cttttattgc acttactttc 600
atgtatttga ggatgagagg agctttaaat caacaataat tcactaagga ataatgcaag 660
gtggtctatt gtaacatttt atgatattat tgccctggaa ataaaagata ctgaacaatg 720
taaaa 725

<210> 1146
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<400> 1146
cccacgcgtc cgcccacgcg tccggttcaa aattcaacag tgtatgtcat tgccttctct 60
atagggtacc agtcgtcctt cacactatca tgttttatgg gatgataact gctttactgc 120

agatgaactt cagctgctaa cttaccagct ctgccacact tacgtacgct gtacacgatc 180
tgtttctata cctgcaccag cgtattatgc tcacctggta gcatttagag ccagatatca 240
tcttgtggac aaagaacatg acaggtaata taaaagcata acaggttctc acccaaatcc 300
cmatattgtc tgcatggtag gattttcaak ttccacaagc tattaacgga rtcmggygat 360
ccatgtkaaa aatgatgama gaactgactg cccaangatt cctatttgaa aatatattgg 420
tctaggctca tttag 435

<210> 1147
<211> 533
<212> DNA
<213> Homo sapiens

<400> 1147
gtgttaatgt gtgtgtatgt gctttggttg taggaaaact tgaaaattcc aaaatcctta 60
ttttcctatt tgagaggctg gttcagcagg gtgtgtgtgt gtgtgtgtgt gtgtgtgtat 120
gaatggtata tttattacat tattttgaaa gagaattagt gtgttatgtg gataatgtta 180
tatacagcca aagtggatgt ttctrtttgg caaggaaggt aggatttctg aaactcaggc 240
cttaaccaat aggttggaag acaagaccaa ttgaagagtt aggaaatgtg agtttttgtt 300
acttctgtta ttccagtctt ggtttcattg tctcattctt tatttttaaa atcttgtgcc 360
taaaagtttt tttgcttaat tatgaagtag acatgcatgt ttacatttat gtaaaatatt 420
tgctgtgtaa agtatttttt gtttattctc ttaaaagatc actatattta aataaaagtg 480
aaggtcagca acmcaaarar aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 533

<210> 1148
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 1148
tgacatggta gcgcacgcct gtagtcccag ctactcanga ggctaaggtg ggaggatcac 60
ttgagcctgg gaggcagagg ttgcagtaag ctgagtaagc caagatcatg ctattgcact 120
ctagcctgga tgacagagtg agaccttgtc tcaatgaaaa agcaggggc actkggaggg 180
ggaaccaaat gccctatcct ccagttctca gcatatagaa gggagctctc tcatctgcta 240
gccactcctg cctcactgtg ccatgctttc tgtaatgcac tctgggtcca gggactgctt 300
ggcaggagng tgggaagaac aagaagttta gggccttccc agtttcttag ggcctgtctg 360
gagagggaac tagcgtttac tgagttttta cgatgt 396

<210> 1149
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<400> 1149
gagaggaaaa ggaatgaaga aaaatgaata gatcttcaga tacctgtgag acaccctcaa 60
gtgtgccaat gtatacctaa cgggagtccc agaagacagg agagaaaaaa agaaagaaat 120
aaaaagaata tttganttta aaattgcttg aaaatgtctc aaatttgatg aaaaatatta 180
ctctgcacat tcaacccatg aactataagt tgtataaaat caaaaagttt cacaccaagg 240
cgtgtcatag ccaaactgtc aaaagccaaa gacacagaat cttgaaagca gtgagagcaa 300
agcagacaag ggatccccaa taggattaac agcagatttc tcatccagaa gccatgcaag 360
cccagaaagg ctatgggaga catactccaa aatgctgaaa taaaaactgt ccaacaaaca 420
tttccccatc cccagcaaaa atccnaaaac aaaggaaaat cttgttgcat gttnaacctg 480
aataaaattg gtttccccgc cggttngttt ggatnaaatt ttcccccccc taatgttcca 540

<210> 1150
<211> 1481
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<400> 1150
agaggcttgg cttngaaaca tccggggaga gttgggcagg ctgctcttta tggatgtggc 60
tgctgggctg aaaatactgg agctcataac ccctactcca cagctgtgag tacctcagga 120
tgtggagagc atcttgtgcg caccatactg gctagagaat gttcacatgc tttacaagct 180

gaggatgctc accaagccct gttggagact atgcaaaaca agtttatcag ttcacctttc 240
cttgccagtg aagatggcgt gcttggcgga gtgattgtcc tccgttcatg cagatgttct 300
gccgagcctg actcctccca aaataagcag acacttctag tggaatttct gtggagccac 360
acgacggaga gcatgtgtgt cggatatatg tcagcccagg atgggaaagc caagactcac 420
atttcaagac ttcctcctgg tgcggtggca ggacagtctg tggcaatcga aggtggggtg 480
tgccgcctgg agagcccagt gaactgaccc ttcaggctga gtgtgaagcg tctcagaggc 540
atttcagaac ctgagctttt gggggttttt aactgaagtt ggttgtttta tctttcttgt 600
tttataattc ctattgcaac ctcgtgcact gctcgagaca caagtgctgc tgtagttagc 660
gcttagtgac acgcgggcct ttggtgggtg agcgggactg tgtgtgagtg tgtgcgcgta 720
tgtgcgcaca tatgtgtatg tgtggagtat gtgtgtttgc ttctccgtgg atgaaataga 780
aactcctcat tgtgtgacca ggaatggtta aatcatcttt acaaaatgtg tgctttaact 840
gtttacaagt aaaacctaaa gttgcaggaa acatttttta tttcgtaaag aggtaccaac 900
tgtcgctgat gtgatatgtc agaactgaag agtaaatcta cttgtttaaa tgacttgaca 960
gtggtagtgc tccatttaat aacagtaata agtaataaag tgtttttatt tggttaacca 1020
gtttaagtgg atcctgtggt aacttaaact gktgktctca tcccytatat ggggcatttt 1080
tctttaacaa agaatggttt cagtgaaaca atctagcaga gaattaatgt cagaaccttt 1140
ttaaataata gtctgattga tacagtttgt acttatttca tcaagctttt ctaagcttaa 1200
atattgcata gcttcgagct gtatggacta tattatgaaa gaatatgtaa agagaacata 1260
cagtaatgca cagtccttaa tttgtgtata atggaaagtt atttacaata taacactgta 1320
aataagaaag caaagtttat gggaaaattc aatattatct ttgtttttgt ttaaatatat 1380
ttttaagata aaggcmcaaa aataaaagaa gcgtattact gggtatagta tgtgactcct 1440
cttctcagac taataaatta tcttttgaat ccttaaaaaa a 1481

<210> 1151
<211> 1092
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1083)
<223> n equals a,t,g, or c

<400> 1151
ctttaatttt gagtttaaac ccaagtttat tggcagactc ccttttgacc tccctttgcc 60
tccccatctg gtgctttctt gcatctacac cccagggccc tgtggtgggg ctgcaggggg 120
aagctgtgca cctgagatga ggctggaacg ggaattggcc tctctgctcc cttcttcagt 180
aagcaaggag ccccgccccc caggcccagc ctctgnmaag aggtggtgga atccttgtgc 240
cgggtagtag aggaggataa gggcaaaacc aggcccaggc cagtgcctgc ttggtctgga 300
tgggacactg tcagagtttg gccacagcct gtcctttact tcatccacac ctatgaagct 360
attccctaaa taaggcattt cccaagttag tcgctaccta atcagccttg agaagaatcc 420
tttcctcttc tttgatagtg ggtcggggga ttcttcagga atggtttgga gctgggagtg 480
ggtaggggga ttttaaatgt tccatatggg agccccaaag gaactggatg ggctgcagtg 540
aggtgggggc gggtgggcag ggaatgggag aggggaagtc ttggcaggga aatccctttt 600
ggccacacag tttacaaacc cagtatcatg tctgtctgtg tgtctctcaa ggtgagagtc 660
tgatttttat accaaagagg aaatgatttt ttttcatatt ttgtttgtct atattatata 720

aatatatata tacagttata tatatatata tattattttt tggttctctc tcgtttttta 780
gggagggaag aaagtaccaa gttgcattga gctgtaatta aggaacatta taatttatga 840
cacatttcta tacttgcaaa aattatatca ttttatggat ataagagaaa aatgcctttt 900
tataaaattt caatttctga raagtgtgta atttgtctct tttctgatgt ttaaccaaga 960
ctggtggtga aagtaaagac agaaactgtc tcttaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aangggcggc cg 1092

<210> 1152
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<400> 1152
gcggcagtga gcattctggg tctttgatga tggatgagtc ttcacttgta aatttaaagc 60
catatgtatt aacttagttt ccttccaggc atttagtatt agtgaatatc acatacggct 120
ttataatgct ccaataacag atgcctagtt gcactttgat ttaatatatg ctgggagaaa 180
agatatatga gaatttcact ataatttttt gcctagataa taggtcagaa gggttctatc 240
ccacctggaa ggtaaaagga ttgggtctta ctgatttctt gnacttctct ctggatttta 300
tgaagtctat gctatctttt tcccagaagc attaagtttg aagactcaat caccaagtgc 360
aatcaaagct acctttyctc cccccaaaat taaatagaca tktttaaaca cacatacaca 420
tttcaagatc aacagarttc ccttttgagc atggaaatat agccattgct aaattacgtt 480
actggactga actccaggta ttaatttcag tgggaaaatt aagaaatggt agga 534

<210> 1153
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<400> 1153
gntttcaccc ccgccgcctc tacaagatgc nggggccact taaactacgc ggaggacgcc 60

cagctcatcg cccaggccat tggccaggcc ttcgccgccg cctacagcca gttcctacgg 120
gaaagcggta ttgaccccag ccaggtgggc gtgcacccga gcccaggcgc ctgccacctc 180
cataatgggg acctggacca cttctccaac agtgacaatg ccgggaggtg cacctcgaga 240
agcggcgagg ggagggcctg ggcgtggccc tggtggagtc gggctggggc tccctgctgc 300
ccacagccgt catcgccaac ctgctgcacg gggggcctgy tgagcgytcg ggggccctca 360
gcatcgggga ccccttgacc ggcatnaaag gggaccagcc t 401

<210> 1154
<211> 1107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1092)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1094)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1101)
<223> n equals a,t,g, or c

<400> 1154
ctgacctcgg gtgatctgcc tgccttggcc tcccaaagtg ctgggattgc aggtgcaggc 60
caccacaccc ggccttgggc cactgttttc aaagtgaatt gtttgttgta tcgagtcctt 120
aagtatggat atatatgtga ccctaattaa gaactaccag attggatcaa ctaatcatgt 180
cagcaatgta aataacttta tttttcatat tcaaaataaa aactttcttt tatttctggc 240
ccctttataa ccagcatctt tttgctttaa aaaatgacct ggctttgtat ttttttagtc 300
ttaaacataa taaaaatatt tttgttctaa tttgctttca tgagtgaaga ttattgacat 360
cgttggtaaa ttctagratt ttgattttgt tttttaattt gaagaaaatc tttgctatta 420
ttatttttc caagtggtct ggcattttaa gaattagtgc taataacgta acttctaaat 480
ttgtcataat tggcatgttt aatagcatat caaaaaacat tttaagcctg tggattcata 540
gacaaagcaa tgagaaacat tagtaaaata taaatggata ttcctgatgc atttaggaag 600
ctctcaattg tctcttgcat agttcaagga atgttttctg aatttttta atgcttttt 660
ttttttgaa agaggaaaac atacattttt aaatgtgatt atctaatttt tacaacactg 720
ggctattagg aataacttt taaaaattac tgttctgtat aaatatttga aattcaagta 780
cagaaaatat ctgaaacaaa aagcattgtt gyttggccat gatacaagtg cactgtggca 840
gtgccgcttg ctcaggaccc agccctgcag cccttctgtg tgtgctccct cgttaagttc 900
atttgctgtt attacacaca caggccttcc tgtctggtcg ttagaaaagc cgggcttcca 960
aagcactgtt gaacacagga ttctgttgtt agtgtggatg ttcaatgagt tgtattttaa 1020
atatcaaaga ttattaaata aagataatgt ttgcttttct aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa ananaaaaaa naaaaaa 1107

<210> 1155
<211> 619
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (615)
<223> n equals a,t,g, or c

<400> 1155
atctttccat atttactgag tttaaatgaa tcatctcaga gagaaaagaa aaactaaata 60
trgaaaagtg catggcagaa gctgaaatga gctcaagcag tactaacctt ggaaccattc 120
tgggtaccca aaagaaaaat ttaaaatcaa gatgagtaaa aggagaatgg tctcaatatc 180
ctcaaaaatg cagtaagaga agtaattccc cactgaaaat gtctctcttt ctttctatgt 240
tataccctgg agtcctggtt gaggggtggg ggaatcagaa aagtaggttt acatttaaca 300
ttttttcttaa ctacattcac ttcttaaaaa ggaacaagaa gtgtaaataa gtatgtatag 360
agtgagggat taagcatatt tgcattgggg actcgtgtat tatgctttta agtcaaaatt 420
aatattctca aattcgaatt tgatagctat tatttctaaa tctttttaat cctcaatttt 480
cctggtaacc ttctttcaag agtctccttc ttctaaaagt tgccaaaccc tttatattta 540
agctttttcc actcaggact canttagagt ggcaacaggg aaagggatgg tcccatntga 600
actttgccac tgacnaaac 619

<210> 1156
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 1156
aattcggcac gagcaaagaa gctgctaaca gatggactga taacatattc gcaataaaat 60
cttgggctac tttatttnct tggcgtattt cttccacaac ttgcggatca cagtctttgt 120
ggaagaaata cgccaagcaa ataaagtagc caaagaagct gctaacagat ggactgataa 180
catattcgca ataaaatctt gggccaaaag aaaatttggg tttgaagaaa ataaaattga 240
tagaactttt ggaattccag aagactttga ctacatagac taaaatattc catggtggtg 300
aaggatgtac aagcttgtga atatgtaaat tttaaactat tatctaacta agtgtactga 360
attgtcgttt gcctgtaact gtgtttatca ttttattaat gttaaataaa gtgtaaaatg 420
cagatgttct tcaccccttt tggtagaaca aaagcaggat gataaccata tccccccagt 480
gctcatcaaa gtaggacact aaaaatccat ccatctcagt caaagtcgag c 531

<210> 1157
<211> 826
<212> DNA
<213> Homo sapiens

<400> 1157
gggtcgaccc acgcgtgtgg cactcggcgg tcgaaagggg agttcaagga gacgggggcg 60
acgcggctga gggcttctcg tcggggtcgg ggctgcagcc gtcatgccgg ggatagtgga 120
gctgcccact ctagaggagc tgaaagtaga tgaggtgaaa attagttctg ctgtgcttaa 180
agctgcggcc catcactatg gagctcaatg tgataagccc aacaaggart ttatgctctg 240
ccgctgggaa gagaaagatc cgaggcggtg tttagaggaa ggcaaactgg tcaacaagtg 300
tgctttggac ttctttaggc agataaaacg tcactgtgca gagcctttta cagaatattg 360
gacttgcatt gattatactg gccagcagtt atttcgtcac tgtcgcaaac agcaggcaaa 420
gtttgacgag tgtgtgctgg acaaactggg ctgggtgcgg cctgacctgg gagaactgtc 480
aaaggtcacc aaagtgaaaa cagatcgacc tttaccggag aatccctatc actcaagacc 540
aagaccggat cccagccctg agatcgaggg agatctgcag cctgccacac atggcagccg 600
cttttatttc tggaccaagt aaagatgggt ccgtggccca cactcggtca tgtgctcaga 660
caacgactga tgaaaacgcc catgcggttt gcatcgactg atagtgtgtt ctttccggga 720
tcacaaacat taacaaaaaa gttaacttat gtgacttggc agttattcta taccatttcc 780
tgtccattaa aatttttaaa ggaaaaaaaa aaaaaaaaaa aaaaaa 826

<210> 1158
<211> 614
<212> DNA
<213> Homo sapiens

<400> 1158
ggcctcttca cgcgtttccc gaggccgggc gcacgaccct gcggctcccc gcccacgaca 60
cccccggggc cggcgcagtg cagctgctgc tctcggactg ccccccagac cgcctgcgcc 120
gcttcctgcg cacattgccg ctcaagctgg ctgcggcccc gggtcccggc cggcactccg 180
cccgagcgca cgtgctgggc ccgcggccgc gatcttcgtc accatcagcc ctgtgcagcc 240
cgaggagcgg cggctcaggg cggccacccg ggttccggac actacgctgg tgaagcggcc 300
tgtggagccc caggctgggc cgagcctagc acagaagccc caaggtggcc cctgcctgtg 360
aagaggctga gcttgccctc caccaagcca cagctttctg aggaacaggc tgctgtgctg 420
agggccgtcc tgaaagccag agcatcttct tcactgggag tgcaggaaca gggaagtcat 480
atctgctaaa gcgaatcctg ggctcactgc cccccacagg cactgtggcc actgccagca 540
ctggggtkgc agcctgccac atcgggggca ccaccctcca tgcctttgca ggtaagtagg 600
aacccctagg gctt 614

<210> 1159
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<400> 1159
gcancagtga caccnaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtgca 60
gnccgctcta gaactagtgg atccccccggg ctgcaggaat tcggcacgag ngagagaact 120
agtttcgagt ttttyttttt wttttttca tgggtaacaa cgtttattaa aatctggcca 180
ttttctacat ctcaaagagg agataaccca ccagaggctt aggtaacata attgtgttta 240
acgtaaatat acacagatac caataggcgg ttaagccatg ggacagggcc gcagatggag 300
actgctcaag gtcaaagggg tctccagctg ggaccctgca cctggttcgt agcccctctg 360
cagacgcaca gtgcctcacg cctgctgcaa cctggaacct tgaggccttc atgtcagtgc 420
aggacaagag tcatgtctgt ccatagattg gggctggaaa ggactttctg ccactggagc 480
ttcgattgtg agcatgcatc cccgccaaca gctgtgtctc cctttgaacc aagtctggtt 540
cctccaagca agcggkcgtt cattccaaag agggcctgat cccagacagt taac 594

<210> 1160
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<400> 1160
aggaactctg gtctccttgc ctagtgcttt tcaaaactct gtgctacaca ggagtggatc 60
caggcctgaa ggtcatacaa ttctggggac tctctttaag aaaaagaatt ctaaaatatc 120
ttacttttgc aaacattayg aaaatatact gccacattaa tatgttgcta gggcccctgc 180
taggacctta agaaggagct catgtgagtc aggaccctga atgttaggcc tcgttagctc 240
tatggttcat atgcttcttg aaccaagtca cagggcactt cccagccaca ttgccaggca 300
acaggactaa actacctcca aagcaagcan tcttttcagt tttgactgan tgatgttga 359

<210> 1161
<211> 633
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<400> 1161
ttcctttttt tttttctcca gatcccacgt ttcgctcttg ttgcccacag ctacttactt 60
cattccccat gggtcacgtc attcatccac attaaccaat ttcctcactc caagctcttt 120
tctagagata atctccagtc cctgtgcaga aactgtcatt gcactttctg ctgaaatggc 180
agtttcttct cagcaaggtg agattatgga atccagaatc ttttttcagg ggtcacatgc 240
ccatttcccc acttgcatga atgtcgacac tgcagccaca gttttggccg taaatgtgaa 300
tttggcaagt aaccactgtt cccagggaaa tgtcccaatc agaagaagat tatctgggac 360
actgatactg acagggagat gggacattct gagggacccg gaggcagggt gccacctcct 420
caacttccct gagggctgcc taggaatctg tttcctcttc attctggaat tattcttcct 480
ctttatgggc tgaccaaaaa catgggaacc ttcacaaagt ccactgttaa cagcttttwt 540
ttttgtggar gtkgarggac atggaggacg tttttaaggc caaagtttat ttngagttgg 600
ggacantttt gtggtttttt ttttttgagg aag 633

<210> 1162
<211> 1422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1421)
<223> n equals a,t,g, or c

<400> 1162
aattcggctt tcgagcggcc gcccgggcag gtactttctt actgagccct ctattttctt 60
tattttaata atatttctcc ccacttgaga atcacttgtt agttcttggt aggaattcag 120
ttgggcaatg ataacttta tgggcaaaaa cattctatta tagtgaacaa atgaaaataa 180
cagcgtattt tcaatatttt cttattcctt aaattccact cttttaacac tatgcttaac 240
cacttaatgt gatgaaatat tcctaaaagt taaatgacta ttaaagcata tattgttgca 300
tgtatatatt aagtagccga tactctaaat aaaaatacca ctgttacaga taaatggggc 360
ctttaaaaat atgaaaaaca aacttgtgaa aatgtataaa agatgcatct gttgtttcaa 420
atggcactgt cttytttca gtactacaaa aacagaataa ttttgaagtt ttagaataaa 480
tgtaatatat ttactataat tctaaatgtt taaatgcttt tctaaaaatg caaaactatg 540
atgtytagtt gctttatttt acctctatgt gattatttt cttaattgtt attttttata 600
atcattattt ttctgaacca ttcttctggc ctcagaagta ggactgaatt ctactattgc 660
taggtgtgag aaagtggtgg tgagaacctt agagcagtgg agatttgcta cctggtctgt 720
gttttgagaa gtgcccctta gaaagttaaa agaatgtaga aaagatactc agtcttaatc 780
ctatgcaaaa aaaaaaaatc aagtaattgt tttcctatga ggaaaataac catgagctgt 840
atcatgctac ttagctttta tgtaaatatt tcttatgtct cctctattaa gagtatttaa 900

aatcatattt aaatatgaat ctattcatgc taacattatt tttcaaaaca tacatggaaa 960
tttagcccag attgtctaca tataaggttt ttatttgaat tgtaaaatat ttaaaagtat 1020
gaataaaata tatttatagg tatttatcag agatgattat tttgtgctac atacaggttg 1080
gctaatgagc tctagtgtta aactacctga ttaatttctt ataaagcagc ataaccttgg 1140
cttgattaag gaattctact ttcaaaaatt aatctgataa tagtaacaag gtatattata 1200
ctttcattac aatcaaatta tagaaattac ttgtgtaaaa gggcttcaag aatatatcca 1260
atttttaaat attttaatat atctcctatc tgataactta attcttctaa attaccactt 1320
gccattaagc tatttcataa taaattctgt acagtttccc ccaaaaaaag rgrtttattt 1380
atgraatatt taaagkttcy aatgkgggtw tttaataagg nt 1422

<210> 1163
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 1163
ggttatacct tggcggacgt gntctgcaaa ctrggagaaw gatttgcact ayctaamcct 60
rracaccygg acttggtctg gaaggattac tattaatgga gaaagcccaa aacatcggtc 120
atggcatact ttaacaccta tagctgatga taaacttttc ctatgtggtg gactaagtgc 180
agataatatc ccattaagtg atggttggat tcataatgtc acaacaaatt gttggaaaca 240
acttacacat ttacctaaaa caagacctag gttatggcac acagcctgtt tgggaaaaga 300
aaatgaaata atggtatttg gtgggagcaa agatgactta cttgccttgg atacaggtca 360
ctgtaatgat ttattgatct ttcaaacaca gccttattca ctactcaggt catgccttga 420
ctgcattggt aaaaattcta tcatgttaga aagtcagata tctttattac ctcctaaact 480
tctgcaanaa gtactcaaaa aaaaaaaaaa aaa 513

<210> 1164
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<400> 1164
ggtcccaagg ggtttacccg naatgtgaaa gccccanagt gaatgaaacc tcaaattgnc 60
ccctgtatgg cctnaagaag cccccaagtt ccccagtggt tcccaagtgg gcaagtgtaa 120
ttggaatggt gccccccnccg atgccaaatg gagaatgcca aactgcccag gacaaatcca 180
gatgaagaaa gaaactgtga agtgcctttg tttaaattgg atcagttccc gctgtgccca 240
atggtcagtg cattggaaag cacaagaagt gtgatcataa tgtggattgc agtgacaagt 300
cagatgaact ggattgttat ccgactgaag aaccagcacc acaggccacc aatacagttg 360
gttctgttat tggcgtaatt gtcaccattt ttgtgtctgg aactgtatac tttatctgcc 420
agaggatgtt gtgtccacgt atgaagggag atggggaaac tatgactaat gactatgtag 480
ttcatggacc agcttctgtg cctcttggtt atgtgccaca cccaagttct ttgtcaggat 540
ctcttncang aatgtctcga ggtaaatcaa tgatcan 577

<210> 1165
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 1165
ctttttntt ttttttttt ttttttttt ttttttttt ttttttatg taaactatca 60
aatgtttatt taaatttcca tttaaaatat tttcaagtaa aatatgtaca aaaatggtta 120
taaaatggtt gaagcaacta gaagcgtgac aggtataata catataaata caaccaaaat 180
tcaattcaat gcaaagttga atgacatcat attgcaccaa aatttattcc atacaaaagc 240
acatgcatca agagtttcca taagatgaaa acaaacacac ttacttcata gcatcttacc 300
acttacttac acaaatagcc cataaacacc atctggcatt gtgattgcag taccagaact 360
ctccccagag ggraactcat ttagctatag aagantccat tttatttcac atatcacatg 420
cttgtgcagg catcagtgyt aggaacccta agaaacaacg caatccacag atgaaagtct 480
ctctgcacca tttatatytt catagataaa tatcttagtt ctaatatgat tggaatgtgg 540
atgcagaaat aaaatgcagt tttgctcttt aagaatttta tcaatgtaag acattgtatt 600
aaatttgtat aaaatacaca caatcccctc tactaagttt catgatcaca gtgccagagt 660
gaagc 665

<210> 1166
<211> 1077
<212> DNA
<213> Homo sapiens

<400> 1166
acagaaagta acaaagagga atgagccagg agaacaaact aattccttta aataaataaa 60
waaaaaaaat gcaaatgtcc ttcaccagta aagcaagcaa atttttaaaa tctctgtttt 120
tgaaatctac tcgtcaaaga gttttcagag gcaatgaaag gggaacagat ttttcattgt 180
aatagtggaa gttgtgtgat agttaggaga tatcaacatg catttttaat cttttcctta 240
gatgaaagag atggcttttg gcagtgtgtt ctaaccagaa agaaaggatt tgtattactc 300
tccaaatcta ctgtactgtc agcttcactc cacctgagaa aaaagaaaaa aaaattgata 360
gctcaaatgc atgtaattca taaacactgc aaaggagagc cacttggtgt ctgcagtcct 420
catattaaca gtctgtcaca gaatgcagtt aaagtattga ttggcatatg gtaatagagc 480
aaccatagcc ttaacttaca gacctgtgaa ataaagggca ttttgaccta atacaattaa 540
ttttctggat aactcttaaa gagaagtcat tttaactgtt tttgctactc catatattgt 600
cattcaaaat atattttaac ccaaaataag ttaaataatt tgtgcatgtt tgtgtgtgta 660
tatatgcata cacttttta tattaaaatt ttgaggctat acagccactg tgccctgtgg 720
aataaagcca tatatataaa tgttttatat gtatatgttt tatacatawa taaaacattt 780
catctaatat atatatgtgt gygtgagtat atgtgtgcat gtttagcaga tatttgtata 840
aaatataaac actctgttgt catatwggct atatgcgaaa ttgttaattt taaaataacc 900
tcaggccaca gacttgtagt aatcatttga aggcctcacc tagtgtcccc ttggtgacgt 960
atgcagcagc tcaaattaaa cctttgtgca ttgggttatg aataatcttt tcttccaaag 1020
atggcaaaag cctcggtttg atttgatact aaagaataaa tttctctgac tttcaaa 1077

<210> 1167
<211> 1177
<212> DNA
<213> Homo sapiens

<400> 1167

ggcagagctg acgttccccc cagcttagac cctgagtcgt ttcccccgt ttcccggctg 60
aattaggttc ttcttctcca caggtgtgtg cagtggcctc agggatccgg aaagtctagg 120
actgaacttc tcctaacatc cagtaatggg gacctggaac ctgggcgtac tagagtgccg 180
cgcgtagggc tccaggtcgc tggcttctgc gctttcttcc tctccaaagt tgagtatctc 240
ctatctgtgt cctcatacat actgccgcct gaggtgccat ggcccccaag ccgggggccg 300
agtggagcac agccctgtcc catctggtgc tgggagtggt gtctctgcac gcagccgtga 360
gcacagccga ggcaagtcga ggggctgctg ctggcttcct gctccaggtc ttggctgcca 420
ccaccacgct ggccccaggg ctgagcacac atgaagactg ccttgctgga gcctgggtgg 480
ccaccgtcat cggccttccc cttctggcct tcgatttcca ctgggtgaat ggggaccgct 540
cctctgccaa cctgctcctg ggaggaggca tggtgctggc agtggctggc ggccacctcg 600
gccctgaggc cktctgtggc tggtcaggca atgctgttgg tggtcgcagt gaccatcctc 660
attgtagctg tcttcacggc caacacttat gggatgtggg gggggcgat gctgggtgtg 720
gcaggcctcc tgagccggct ggaggaggac aggctgctgc tgctaccgaa ggaggatgtc 780
tgtcgctggg ccttggctgt aggcagctgg gcttactgcc gggccctgca tacacagcgc 840
ctccagtggg agtgacagtt ggatacagcc aggcagggtt tctgccctgc cgaacacttt 900
ccctcccacc tgcctgctcc tggcgccttc tccctagggg tagactcttc tgcctactga 960
agtgggtttg ctgcacattg actggtcagg ggcagagtct gggtgctgtc ctttggccac 1020
gtgtggggac ttgtctagac cagaatgaaa gggacagggt cccagacacg tttgggggtc 1080
ctgattctgg gctggacacg gttgtggatc cagagaagag gcctagtctc caataaatct 1140
taggaatttt gcaggaawaa aaaaaaaaaa aagtttt 1177

<210> 1168
<211> 698
<212> DNA
<213> Homo sapiens

<400> 1168
gtttaaatga gaacctaatg atacctggac aaacttctgg agaaattatc aaattgctaa 60
catgccatgt gaaatccttg aacactatta agataattac aggagattga tgtgtttgcc 120
ttagtttaaa atcttaatta gcattgacac caaaagcaac atccctatgt taaaaacaca 180
atgtgaatac tattttatta ttaccatgga accttgacct ttctttcctt cacctatagc 240
tcaatccttg tcttcctcca gtcccagggc tccttatcac aaccatcatt ttgattttac 300
actggattta catgatacct tttactgaag tgcttaaatc taggaaagaa taaatttcta 360
ttgactagga gtcagaaact tagggtagaa tgatggagca ttgttttata acaggrgcag 420
tttccagctt ggattcaaaa tactgattaa aaaaatttgt tttctattat gattggatct 480
gtactttcta acgccaaata ttttaatcca gatacttttt atcttgatcc cacgcttgcc 540
ctttaacctt taccagaaat tcagagaaac agagtacata tttcgccaca caatggtcat 600
cctcactgaa tacttttatc cagaggtcta caaactatga ccctccagtc aaatcctacc 660
ttgcccttgt ttttgtaaat aaagttttat tggaacat 698

<210> 1169
<211> 1408
<212> DNA
<213> Homo sapiens

<400> 1169
taaactattt atcttgtgtg tgtacatttg tgggtggagt ttgtgcgcct ggtttttttg 60
tttggaaaac actgcgtggt caatgtggtt atgggggga gtgatgcatt tttttctagt 120
cttaaaacta aaaacttgag tctaccattt cttggttgca ctgaaaatac cgcccagcct 180
gatggtgttc ccgtgctgtc cctccccctt cccttctccc cgcgtctacc tccccacccc 240
gttctgttcc ccctccctcc ttctccctct ccctcaaatc cgtgagtttt ggaagcccca 300

gggcctctct cccccgcccc tcctggatga ggccaccatc ccccaaaccg gcttgttttg 360
cagtttcccc aggatcctgg aagctcgctg gcgctcgagg gtggcgggga cacgggggg 420
tgggtgaagg ttcgttacct tttctagtgc gttctatcat agttaacggt tgcacacttt 480
tttaaaaaaa gtaaatggat ttgccacaat taaatgtcat aacatttatg acagaatata 540
aaatattaac atattttaag ccaagtttta ggtgtatttt ttgaatcttg gttataaacc 600
caattttaaa gggcgatgta tccagcgttg tgaaggcaac agagtgtacc catatttata 660
tttttataaa atacctataa gactgtgaat ctcttgtgct aatggctgag ttaattgaag 720
gatcgttttg ccccttttta gcctcccaga gcttcgagga ctcaattcga acccgaaatc 780
ctgccgtggg ggaggggttg cgtcgagacc tgggcccggg gaggttctcc tgcgtcactt 840
tctgtcctga aaggcgccct tcctggtttc tgtggctcca attttctatg cagccccaca 900
ccccttgttg ttttgatcct gagaaataaa agggaggctg aattattcaa atttaaatga 960
ggtttccccc tcatggaagt gctgctgacc cttcgtgcag aaatggggag cacttgagga 1020
cacaggtggg tggaggccct ttgtgcgtgg ctggtcgtat tcgggcagcc ctccgtcgct 1080
ttttataaaa ctttgtgtga gaagaatata ttgataatgt cagtgaaaca agcagacatt 1140
gaaatggagg cacagattac tccacaagga gttcttctgt atatttttc tagatgcaaa 1200
taccttttta attatgttaa ttaatgttaa gactttctag gcttatatcg aagctgtgtg 1260
tgggtcacgg ggtgatcact gctaactgga taaagtttgt gcagcacatt cctgagtgta 1320
cgatattgac ctgtagccca gcgtgaaaaa tttataaata aatttttcat tgatcttttt 1380
atattaaaaa aaaaaaaaaa aaaaaaaa 1408

<210> 1170
<211> 824
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<400> 1170
ggcacgagcc ccccaccaag ggacagagtg caaggacatg atcgaacaga aaaagttctg 60
gtacaagatc aaccccgtgg ggtggtgagt gctgcagccc cgggcctcac atcctgccgt 120
ccctgtggga gnattggagc ggtcccagtg cccaccgctg attctytggc tccagcaacc 180
cctccaggtg gatccgtccc acgcagcctg gcctgaaaca ctgcccagcc actgggtcca 240
gtaagacaga gcctcgagtc attctgccga gaggatccag aaacacagac tttttctggg 300
gtcctggagg cttctggccc atggggagcc cctgggtccc agcgatccag ccctgatgtg 360
ctgagggtgc agggcccagc tgcagagcag aggagagtgg cccccaggga ccagcagcac 420
gaaaggcaca ctgaggcaca ctggcaggcc tgggctgcag agagcctgaa ggtcatgggg 480
tagctgrtgg aagcaggaag accccataca gcagcgacca ctgaggctgg tgctgcactt 540
tctcagggaa ttgagtgtgg gctcccacca tcccgcgcac tggcttcctc caaagcctcc 600
tcctcttaca tcagcaaacc ttctgttcgg tgacccccctc agtgaccctc tgtgcttgcc 660
ttcgtggtct tcctcatgga ggatttcggg tcagcgtggg ggtcagaggt catttcccat 720
acccccctcaa aggtacttct tgcttggtcc ccacactctg acaccctctt ctgaaatgaa 780
cacttttttg ttgttgttgt tgagacagag tgagacgcca tctg 824

<210> 1171
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<400> 1171
agcaactaac ttcttgttag tgatcttaca ttgctcagca agtatagcat tattgcaaga 60
tttacagaat tcaggtcttt aaaagtttat attttatttc catatgtaga taagcttgtc 120
agtttactgt tggagtatca taaagttttt gttaaaatta cacaggttat taagtaaatt 180
tccaaggata aaaattatgt ttctaattaa cttgaatttt taagtaactg atgcccccat 240
gtggcaaagg atttattttg cttttgctta aacttggaga atgactgtct tttcattttt 300
ctttaaaaaa gtggacatta gtgtttataa agaagctgtt gaccaagaga cataatttga 360
attttgtaaa gctcattgcc ataaaattca cagcccctta ccctgtattg tctcacaagt 420
gcatgtaatc aagcacgtac aatgagacaa aatattggaa gctatttaat tacaaatagc 480
ataggggatt ttctgatctt atatgtgatt tcttaatgtc tttgttttgn ggcttacata 540
ggtgatgtca gttcattgat tatgaatatt ctggatacaa ctcctgcata tgata 595

<210> 1172
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 1172
anatcaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtggc ggccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag tggaacttgg actgttttct 120
gaggtattgc aagcatgaac ttttaaattg ccttgtgtgg tgtgctgtgg gcttctgtga 180
tcatgaagta acatgcattt ttcttaaaac ttttcagggt ggtagagatt gcagcctgtc 240
actcyrcmca cacgtctgca gccaagacgc agggtgggca cgtgtacatg tggggccagt 300
gccggggtca gtccgtgatc ctcccgcacc tcacccactt ctcctgcacc gacgacgtgt 360
ttgcctgctt tgccactccg gccgtctcgt ggcgnctcct gtctgtgggt aagaaagtgc 420
agggccactt cacccaggga ggaatggtac taccaactga ccagttttcc tgtgtctttg 480
ctggtt 486

<210> 1173
<211> 1109
<212> DNA
<213> Homo sapiens

<400> 1173
aacaaggttc tcaagagaca cctgcctttg cagggtgggg agtccgtkag gagaaggtag 60
ggaggcccgc tctccactct ggccccacaa tccctgcccc tgagcaggtg gagcatatga 120

cccgtcacct gkaggagagt gagaaggcca tgcaggagcg ggtgcagagg ctggaggcgg 180
cgcggctgtc cctggaggag gagctgagcc gagtgaaagc agcggcactc agcgagcgtk 240
gccaggctga ggaggarctg atcaaggcca agagccaggc ccgctggagg agcaacagcg 300
cctggctcac ctggaggaca agctgagact gctggcgcag gcacgggacg aggcgcaggg 360
cgcttgccta cagcagaagc aggtggtggc cgaggcccag acccgggtca gccagctggg 420
cctgcaagtt gagggcctgc ggcggcgcct ggaagagctg cagcaggagc tgagcctcaa 480
ggaccaggaa agggtggccg aggtgagcag ggtgcgcgtg gagctgcagg agcagaacgg 540
ccggctgcag gcggagctgg cggctcagga ggcgctgagg gagaaggcgg cggccctgga 600
gcgccagctg aaagtgatgg cgagcgacca ccgagaggcg ctgctggaca gggagagcga 660
gaacgcgtct ctccgggaga agctgcggct ccgggaggcg gagatcgccc gcatccggga 720
cgaggaggcc cagagggcga gcttcctgca gaacgccgtc ctggcttacg tgcaggcgtc 780
ccccgtgagg accctgagcc ccccaaagtg agacaggccg ggaggacccg ggcgcagtag 840
gagtgcatca ggcggcgccc gagatggacc aggggctgcg tcccgcccgc gccgcctctt 900
tgagacccgg gtcgtctgtt ccacgcggcg gttgcggcga ctgttggtgg tgtcgcggct 960
gcgggggaac cccgtgggag gcgcctggga agggctccct accggccccc tcttcccggt 1020
cgacgccacg tgggagcaca ccgggaaggg gtcccgcggg cgcgtctccc cctcgccttt 1080
tgcgatgtca ccgtgaacgc tgcggccgc 1109

<210> 1174
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<400> 1174
tctcccctat aggttcatag aaaaaaaact cccaccttat aaaggaatct ttaaaaggtt 60
cctcataaag gaacagggtt agcagaacca agttttgagt cctgggtgaa aatccagggg 120
agaatggtaa tcagtgataa ccaatggcca atccaatatt aaaattagtt aacagtgacc 180
aatcttattt cacctacccc acccagagtg gcccaaagca gattgctgga tctgcctcta 240
aaccaacctt cctkccaaaa taattggggt taggttgtgt ctgctgattg tctccataat 300
ttgagatttt aacaagttga gtttggctcc caaatacctt aaaggatttt ttttttnggc 360
atctctgggg agggggagat tggacgtagg caaccaaaca ggaatggaat aagaaat 417

<210> 1175
<211> 972
<212> DNA
<213> Homo sapiens

<400> 1175
aatgttgcct ttgtccaagt atagattaag gcaacaaaca tatttgggtg tgtaatttga 60
agttttggac tgaaatatct ttgcaagtat ccacataaaa ttctgtaatg ccttataatt 120
atattctaat aattatgcat tatactaaga caccattaag aacagttgag gcactacact 180
aaatcaaacc ataaatgagg aaaaaacttt taatgttctt ttctagaagt gttcaaatag 240
gtcttgatat gaagctaaaa gccttattta tattatctta atatttcggc taaaatgtta 300
agctccataa catgaattga tacaattcca attttatcaa tattytgtga tagaaaaatg 360
ttaatattat tcatgagcta tacagtcctt acatttttc ccttggtgta ggaacaacgg 420
aggagtttct cctctgctaa ctattcatat atgtaactgt aacaaaagtg tactatgtta 480

tgcacacatt acaaataata taaggggaag ttttattagc ttagtaggaa attgttatta 540
ttaaggttta aaaatgagaa caggtgtgag ttttccaaaa tacttaaaaa taatagtgtc 600
aaaaattcag gggcagttaa ggagtcatgg atggaactag aggtcactat attaagtgac 660
ataagccaga aacagacaaa cattgcatgt tctcaattat ttgcgggatc taaaagtcaa 720
aacaattgaa ctcatggata tagagagtag aaggatggtt actagtggct gggaaaaggg 780
gtgtgcgagg ggaactgggg atgcttaatg tgtacaaaaa ctatgtagtt agaaagtata 840
aataagacct agtatttgat agcacaaccg ggtgagtata gtcaataata gcttaattgt 900
acaaataact aagagtataa ttggattgtt tgtaacacaa ataaatactt gagtggatgg 960
ataaaaaaaa aa 972

<210> 1176
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<400> 1176
ctcgagcggg gctggtgtga aagctgccta accacagccc catctccgcc ctgtgctgct 60
gaggggaccc cggctgccca caggttccag gaggctctgt ctgacttctg gctggccctg 120
gagcagctga ggggccacgc tgccatcgac tacacgcagc tgggcctgcg kttcaagctg 180
caacctggga ggtgctacac aatgtggcgt cggcacagtg ccagctgggg ctctggacag 240
aggcggcagc agcctaaggg aggccatgtc caagtggccg gagggtccct gaatggcctg 300
gactcagccc tggaccaagt gcagagacgg ggctcactgc cgcamggcag ktccccaggg 360
cgagktyttc cggccccamc gtggacctga acacttggag cccgtggatt tctggcaagg 420
ccaaggtngg tggcctntgc cat 443

<210> 1177
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<400> 1177
ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgagtc tggagacaag 60
ctgaaacttg accagactca tttagagaca gtaattccag caccaggaaa aagaattcta 120
gttttaaatg gaggctacag aggaaatgaa ggtaccctag aatccatcaa tgagaagact 180
ttttcagcta ctatcgtcat tgaaactggc cctttaaaag gacgcagagt tgaaggaatt 240
caatatgaag acatttctaa acttgcctga gtttgaaaat ttgttaacaa tacattaaaa 300

tcttaaagca tcaaattggt gttcgccaag gcattatgag actctactgt gttagggtat 360
attctttttgt ataaaacaaa caggtttttg aaaatattac tgtatagtta gttgttcagc 420
taaactttga gaagaattta attatgtctc atgaggtatc aaactatgta attttgtcct 480
tgttattttt gtttcctttg taatttactt gatgagttta tatcttcatt aaagaatgtt 540
attataaaaa aaaaaaaaaa aaaactcgag ggggggcccc ggtaccncaa t 591

<210> 1178
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<400> 1178
aattnttccn cctgatanga tttcagcaaa ttctgatanc ccgggtatta cttcttaatg 60
catttttgta acatttgaca aacatctccc aatatgtaga ctcccactct cctgatgcta 120
atcagtatca gacaatggaa gtaaattttc ctgcttttct caacttttcc tcaaattcat 180
gttagtgaag tactttcatt tggccatcat tatttatcaa ccttaagaaa catgcctatt 240
gacgaagtaa atatactagg aattcaacgt atctacggga atgtggacaa agacatatac 300
caagacaagg cactagagtg aaaagccatt aaaataaaat gctcagcagc aaaggatttg 360
taatggttaa cttgcaatat rtccatatgg tgtaatatta cagtcattag aaatgacatt 420
tgcgtaagga tctgagtgga aactgataca gcctgtcgga 460

<210> 1179
<211> 567
<212> DNA
<213> Homo sapiens

<400> 1179
gagacaacaa aacaaacaca gaaaaaagaa cataataaca gagacaaaat aaaattcaga 60
caacagtawa ctgaasmcat tttaaaaacc agaatatgta gtctacggat atttttatc 120
ataaaaatga tctttggcta aacaccccat tttactaaag tcctcctgcc aggtagttcc 180
cactgatgga aatgtttatg gcaaataatt ttgccttcta ggctgttgct ctaacaaaat 240

aaaccttaga catatcacac ctaaaatatg ctgcagattt tataattgat tggttactta 300
tttaagaagc aaaacacagc acctttaccc ttagtctcct cacataaatt tcttactata 360
cttttcataa tgttgcatgc atatttcacc taccaaagct gtgctgttaa tgccgtgaaa 420
gtttaacgtt tgcgataaac tgccgtaatt ttgatacatc tgtgatttag gtcattaatt 480
tagataaact agctcattat ttccatcttt ggaaaaggaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaaaaa 567

<210> 1180
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<400> 1180
gcaatccttt cgcatctggg cagttccaaa ctagaattct tgcctgccct gcctcccatg 60
gaatgccctt accctactgc caatgtgatc tttctgaaac agcatacctg atattgtcat 120
tcccaggagc agcttcccac ctccctcagg atttaaactt taaactctac agctctccac 180
actcacctca acaatgagct cctctcatca tttcttctcc tttgtcccag tcacaggcca 240
cttttgggcc atgscaaacc actttatttc tgaarsttct gccctgract gttkgytcct 300
tgactggggg gctaaggatg actgcagtca tgcaggggnc aggggnaag 349

<210> 1181
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<400> 1181
ggcagagcac tgcactccag cctgggtgac aagagcaaga ctccgtctca aaataaataa 60
ataaaaataa aaaataaaca tgatgatcac agatgcagtc acattttctg agttcttgtc 120
tctctgccag tgcccaccca gatagcctca caaaactttg acccagccac tgttagtgtc 180
gccaccgscc ataaaggagc tgagcccagc aggggmactg cctggggccc tgtagccaaa 240
aggctacagc aggagctgat gaccctcatg atgyctggyg ayaaaagaat ttctgctacc 300

ctgaaagcct tatcaaatgg acaccattca tgaaagcaac tggcacaggg gnatggaaga 360
tctganggat aagctcttg 379

<210> 1182
<211> 403
<212> DNA
<213> Homo sapiens

<400> 1182
gcccaaagtc ctgggattac aggctgagcc accgcgaccg gccctgctgt tgcttctgag 60
gtttgaaaac cgctgcctca atgctcctga ttcagctctt cttacccaaa ggttccccca 120
cctcatctac tctgttcctg cacagtcgcc cttttctctg atgccccggg caggtttctc 180
tctgccagct ccacgcttct ggagtccccc atccgtcttg gggcccagct gcccactgtc 240
tgggttcaga ccttctcaac actccctggc ttctctgccc tagttttgcc ttctccaatc 300
cactcttggt gggtggaagt acggttacca tggtaacttg aagacaacgc aaatctgatt 360
gtatcattac aatgactggg aaaacctcca gtgccacaaa ata 403

<210> 1183
<211> 417
<212> DNA
<213> Homo sapiens

<400> 1183
gctagattaa atcgtagaat gtgtgccagc aaagcttaaa gtttccaggt tagctgaggg 60
aggccatttg gaaacttgtg tctgaactcc aataggagag agaatgttca agcaatgggt 120
cttctgccca tttccctctg ctttgccatc ccatgggata agggaaccac ctcaggttcc 180
caatccccaa atcaatatca cagagtttag agtccaggcc ctcggctaaa attagacccc 240
atagagtttc tagtattaat tggcccatta ttttaatagt aattaatgta attagtctgt 300
agctatgttt atttgtaata tggaggatgc ctgtctgctg tacatacatc tttctaagac 360
agatcctaag ctgtgttcaa tttcttttcc agtgtaatac atttctagtc acaggac 417

<210> 1184
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<400> 1184
tgacacgttt aagttgatac cattgtgcca ttcctctttt ggcctctttt ttgtccatag 60
aggcttcaag atagataggt aagagcccag tagtgttcat aagaagccaa tagagagcag 120
gagccacttt atcaggtggc aggtgtcctg ggcctccctg ctggctagtc ccaagcggtg 180
gtgttgccag gatgtcttgg aggtgataat gggacacaca gaggcactga gtctccatag 240
gttaaaatgc caccaaaact ggcctttgcc taatatccct cattgactat ttrgcattta 300
atttatttat tttcctgaca tttctgcaag ctttgtattt atatttccac tttatagatg 360
aggaaatttg aggctcttag aggtaaaatg acttgcccag gtcacacagg aagtggcaga 420
gacaagcttt ttaaataaga aaaaattaat aaaatataat atgagagtaa cttaaaatat 480
taataaacca caattttaaa ttaattaacc gtgataacca acattaataa aagttaagat 540

accaaaacac tggtgtctaa ttctttcaac taacaacttg aattattttc ccattttaaa 600
ttaattaacc gtgatancca acattaataa aagttaagat acc 643

<210> 1185
<211> 551
<212> DNA
<213> Homo sapiens

<400> 1185
tatataattt aatgcaaagt cttttacatt aatgtaaggg taggaaaaga ggttggagga 60
agatatgggg aggtaggaaa atgggacttt tttcctccat ttacttttga tgtttgaatt 120
tcaaacatga gtatatttgt gtattatttt gcggttaaaa acactgaaga ttgcataaag 180
atcaaagagg gaaatttaag ggaattaatg ggttatgatt gcatttgttc agaatggttt 240
tggtggctca tgacaacatt ttgagagaga gagattttaa tggcaccaat ggcagctagg 300
ataactagtt taaagtttag ggcctgtgtt aatagatttt gctttctagt ttcagaaaga 360
ttctcttata gtactgtttt aatctgtttt tctaagccct ctgatttatg tatatttaat 420
aggccacaaa ataatgtcaa atatatggca taataaccaa caaatatttg aataagtgaa 480
aggtactcta caaaatgcta tgggaaagac aaaaataaat aatatccctt tctttgaggg 540
attaacagtg a 551

<210> 1186
<211> 567
<212> DNA
<213> Homo sapiens

<400> 1186
aacacactat aaactttcaa ggagagaggc tgtgtcttct tcatgtttat atctgctaca 60
acactgagtt catggctttt cacacataat tgctcaacag agcaggtgcc atggaaagtc 120
aattcaatga gtaaaattac ctcaaaatag tccgttaatt cactcacctt tgatgtagac 180
agattattct gcattgatac ttatctctta ctcttaaaat tcgctatgta ttaataaata 240
ttttattgaa tattaaggaa tgatcactat tttaataaga tgttctttac catatatttc 300
tatatgtaca tgataattag aagtatcaaa ttatattgtg gaatgtaaaa gcttttcttc 360
tgaagccaag catttgtttt attgtcattt cagtggcaaa tatggacttc atattcaaaa 420
tgatgttcta tattattttt ccttacaagc tttttgaaaa acaatttaat aattccatga 480
ttgttgtagc accactgaat tgattctgaa agcttacttt ttaaataaaa attgaccttt 540
atcaagcaaa aaaaaaaaaa aaaaaaa 567

<210> 1187
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<400> 1187
ccatctttct ctctgctcta tgagaccctc cccttcctta tttttatctc ttcccacttt 60
atgctgggcc ttccctatcc tgccctgagt tatagttagt cactaacttc tcsgctggct 120
cccaccctta tcacatctca gctacatata taaactctct gttatctaag taattctatt 180
agccagaagc aattccagag tttatattag tactaggaag gtgtcatgta gcccctgtct 240
aacatttgaa ttgaactaaa atgtgaatct caataaaagc aacacagttt tcacagcata 300
tgctgataat ggcaatccaa cttcttttgc cttttcccca gagaatcctg ggaatatcct 360
gagcttggtg ctttgatgat tctatttcag ctttggtgcc ttaaaaaaaa ttacaaatca 420
attttgaatg gtttaagttc atgattttgt tctgcagccc tagctagggg tgagccaagc 480
cttatgaaat ctaaactcag cctaacagaa tagaaatcta taggcttang ttaagggtca 540
canggcccga gtccagngtg tgattg 566

<210> 1188
<211> 304
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<400> 1188
ggcagaggtc tttgaggaat tgccaccctg tcttccacga tggttgaact aatttacact 60
cctaccaaca gtgtaaaagt gttccttttt ctccacaacc ttgccagsat ccgttgtttt 120
tttaattttt tattgataac cattcttatt ggtgtgagat ggtatctcat ggtggttttg 180
atttgcattt ctgtaatgat cagtgatgtt gagttttttt catatgattg ctggccacat 240
gtatgtctta ttttcagaag tgtctgttca tgtcgtttgc ccactttgan gagttgtttg 300
tttc 304

<210> 1189
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 1189
tgtgtgtaca tcacaaatct gttttcttnt gcttctcttt aaaaatgtnt cctgagtgat 60
ttcatcagca gtgctgttgc taagcctata tttagcaact gaaaatcatg ctcagaaata 120
ctgtcatgct tttttaaaaa rgcatatcca tccctccaca catggctgat tccagaacct 180
tcatgccctt agcaaaaaat tgagctgtcc ttcagggttt caaaaaaagt actgtactcc 240
tgctgcaccc cmggctcttg gcaaggaggg gacttttgtc ctagagaatg ttcttttctta 300
tgtattattg caaaacaatt ttgttcttgc atactgaagc atcactggat gaatttcttt 360
cccctgtaga caaaccgagg gtgagtattg ctctttaaat gtcagtaaat ttgttttagc 420
ttctggggca aaccttgttg tactcattct gttcctccca gcataatatg ttaggttgtc 480
ataaaatagg gcaaattgag gatagtgtaa ctactgctgc tgaataaatg ggaaatagtg 540

<210> 1190
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 1190
gcttctctaa ctaggaagta tacgtaaagg aggaattgct agggcatggg attggcataa 60
tttcaccttt tctagatatt gcccantcgc tgcccacagt gcacatacct ttccaccagt 120
cacatgtgag agggcagatt ttccaaatgc tcatcaccac ttggcactgt gtggactata 180
attttggcca gttaggaaat ggcatctcat tgttttcatc ttaatttgcg tcagcctgat 240
tactcattga aacttgtgan gttgagaaac ttttcttaag cttattggcc attcaagttt 300
cctccttttat gaaatggttg ttcatgtcat ttgctcattt ttatattana ttgtttttct 360
tttttccagc tkacttgtak gaactctaca tcttatcaat attaatcatt tatcgaaaac 420
tatttgggtg ccattatctt ctcctagtca atgtttttg tttgtggata tcttttataa 480
tatataant 489

<210> 1191
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<400> 1191
tcaggcattg acactttgta agaaaggggg taggggacac agctgggcag gtggagtggg 60
tkggcaggat ggctgtccca gtctgcccat cttctcttgg ctctgggacc agcggcttgt 120
tctagggatt tggacctgga ggccaagggc aataggagag ggtctgaagc ctgtgctgtc 180
tgctgcttgc tgtgaatggc cctcccgggt catgacagag ctcttttggg gcaggaggtg 240
agggcagggg gccccgctcc ttggtaaggg cctgccctgg ggctcccagg gaagtgggag 300
ctggggagcc aatccaccca gacccgcgtc cacctgggag gcatttgggg ttgcaggacc 360
gagacccaca tcctctnact cacttctcca cccgccagca gctgccacag gc 412

<210> 1192
<211> 828
<212> DNA
<213> Homo sapiens

<400> 1192
gcggccgccc cgcccccgct cccgcmgccg cccgccagtc agtcagtcag tcagtcagtc 60
agtcagtcag tcactgagcg cgcggcgcgg gagctgctgg cagtcgctgc gtctctggcg 120
agggagcgcc gcgcctgggg aggaggcgga ggcagcggct ggaggagcgc gagcggcggt 180
ttccttgccc ggggccgcgg gaaggccgac cgactgccgc gatggagcag ctatcagatg 240
aagaaattga tcatggtgct gaagaagaca gtgacaagga agatcaggac ctggacaaaa 300
tgtttggagc ctggcttgga gaactagaca aactcactca gagtttggat tctgacaagc 360
ccatggaacc agtaaaaaga tctcctcttc gccaggaaac aaacatggcc aacttttctt 420
accgcttcty catatacaac ttgaatgaag ctctgaatca gggagagact gtggatctgg 480
atgccttgat ggctgatctt tgctctatag agcaggagct cagcagcatt ggttcaggaa 540
acagtaagcg tcaaatcaca gaaacgaaag ctactcagaa attgsctgkt arccsacata 600
cattgraaca tggcaccttg aaaggattat cttcttcatc taataggata gctaaacctt 660
cccatgccag ctactccttg gacgacgtca ctgcacagtt agaacaggcc tctttgagta 720
tggatgaggc tgctcagcaa tctgtactag aagatactaa acccttagta actaatcagc 780
acagaagaac cgcagtcagc aggcacagtg agtgatgctg aagtacac 828

<210> 1193
<211> 280
<212> DNA
<213> Homo sapiens

<400> 1193
atttaaaaga caaagtaagt aaaaatactt ttagtaggca ttcgtggatt gtgaacatcc 60
aagttatatt ggtttgtata gaatggcatt aagtaaaaat tacagctgta taacagtagt 120
tttctaaatt gagagagtcc acattgtaat tagagatcac tgtgaccaaa atgcttctcc 180
ttgatttata atgatgkact gtattttgta ctgcttatat gaaatttcag caagattgac 240
gatattataa agatgcttat aaagtgtaag tggagacgct 280

<210> 1194
<211> 393
<212> DNA

<213> Homo sapiens

<400> 1194
gcattccctt tgccatcccc tggactcact cctcatccta ttccccaaaa agtgagaagg 60
gcaggctgtg tagatggcat tcctgagaat gagccagtgg agagcatctg gccctggcat 120
gtgaattcaa gccttttccc agctgtaata accaccctct tttttccaca ggggctaaac 180
tgcacggtca agaatagtaa gtcatctttt tctgttcttc ttcttgttgc cttcttaatc 240
aagtgagagc ctgctgccaa cttctgacag aagtcttgcc atgccactcc aggttcaggc 300
tgtgagctac agccatccgc aggagggttc ccggaraaat tgtggatgcg ttgcacctgc 360
gcttctgtcg agaacattca ttatgcaaaa ttc 393

<210> 1195
<211> 937
<212> DNA
<213> Homo sapiens

<400> 1195
gatggctggg ggtgggagtg taagtccctt ttcctacttt catgtaaagt gccacaggtg 60
tcttggtttg catattcaaa tattatatag gaaaaacagt ctgttatgta tttcttcacc 120
tagcttcttg taatatttat ggacgtttcc agtttttgta ccttcttagc taaagcagtt 180
gccttttttgt aatggcaatt aatttatatg ataaaacttt gtatccactg tagttgacag 240
tattggttgc taattaactg ccatattgcc ctgtctttct attaaaaaaa tactgtacct 300
gtacttagag gctaacagat tcatgtggac atttaccagg caagaccaac ttgtattgtc 360
catgatttct acgatttcca ctatcttcaa atgaaaaata aacgctgagt agaactgatg 420
ttttcagact aactcctttc aactttagca tttgggagtc ccagatttct gtttacgttt 480
gtgtcgcctg tttgtctcca aaataagttc tgctgctctt gggtcaaaac aaatgattaa 540
ttcgcatttc ctttgaagcc attgtgaaaa ccttaaaaga aaaaawaaar araaaaagca 600
agtatctttt ccagttggtt tgtcttcagc agcaatttac tcttattgaa gctgttcctt 660
cggagtgtgt gaacagactc aagatattat tataaagcat catccttcaa tcaaaggatt 720
attttataat atgtgctgtg aaattaactt gagtggcaaa gtttggtgca atgagttatt 780
tcattcaatg gtgattgatg ctgttaagta atatttttaa gtgactcgag gaaatactgt 840
gcatttacag atccatcctt aaggatgcag gtctaaaaaa agagtaagaa agaaaaatca 900
agtggtagat agataraara araraaaaaa aaaaaaa 937

<210> 1196
<211> 490
<212> DNA
<213> Homo sapiens

<400> 1196
gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc cacgcgtccg ttttttttttt 60
ttttttttttt ttttttttttt ttttttgttt ttttttttttt ttttttgttg tacacaatca 120
tttgttttat ttgaaaacat gtctacactg cattgagcac caacacaggt gtgaccaaga 180
aacccacagt cctgtccccg cagcactggg tccagtgtat gacttggggt ggactgttat 240
ttttcacagt gaggggggga aggataggaa agaaaagatg gccattatcc caactcctgt 300
tcaggaatct gaacaatgaa agttatttaa actcatccag ctcttctcat tccccttctc 360
tcaatcagct ggtgttcaaa tatggaatct gaggccgagc gcagtctctg gtttctttga 420
agaactttag gcacactcca ggctcaggaa aactgcatct ctagttcttt ctgattgcaa 480
tagccttctc 490

<210> 1197

<211> 1511
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<400> 1197
aggaggaacc agaccgcggc cagagcgttc aggaaacaaa tggaagactg ctgcgaaccc 60
tgcccatctc tttgctatga ctaaaatgaa ttcccctatg ggnaagaagg catgtggtat 120
gacggggagt ttttatactc attcaccatt gacaattcaa cttactctct cttcccacag 180
gcaaccccat tccagctgcc attgaagaaa tgcgcggtgg tgggaaatgg tgggattctg 240
aagaagagtg gctgtggcgt caaatagatg aagcaaattt tgtcatgcga tgcaatctcc 300
ctcctttgtc aagtgaatac actaaggatg tnggatccaa aagtcagtta gtgacagcta 360
atcccagcat aattcggcaa aggtttcaga accttctgtg gtccagaaag acatttgtgg 420
acaacatgaa aatytataac cacagttaca tctacatgcc tgccttttct atgaagacrg 480
gaacagagcc atcttgaggg tttattatac actgtcagat gttggtgcca atcaaacagt 540
gctgtttgcc aaccccaact ttctgcgtar ttggaaagtt ctggaaaagt agaggawtcc 600
atgccaagcg cctgtccaca ggacttttc tggtgagcgc acttgsggnt ctctgtgaag 660
aggtggccat ctatggcttc tggcccttct ctgtgaatat gcatgagcag cccatcagcc 720
accactacta tgacaacgtc ttacccttt ctggcttcca tgccatgccc gaggaatttc 780
tccaactctg gtatcttcat aaaatcggtg cactgagaat gcagctggac ccatgtgaag 840
atacctcact ccagcccact tcctaggaac aatggaagaa gaaaggactg aaccagggta 900
tttttgttag gttttctatg tgactccaag agggaatggt caagttgttt catgagtttg 960
catgggccct tggaaaaaca ggaaaggagc aatgaagatc caagcaaaac tttactttca 1020
gcgttggctt ggaggacaaa taagaaatga aacatcctat gaaatacttt atagcacatg 1080
gcagatttgc aactagtaaa atgctggtga aatgctgttg gtaaagcaca tggttcaaat 1140
ctagaagatg cagttcaaaa acaagacaga ctcgagttgt tagggctgag gaaccaatca 1200
aggtagaaca aagaaaatgt tggggtaaaa gtgttgctga ttgtcaacac aaactggctt 1260
aataatatta ataagaacct gtcttattaa gactggcttt agaaccgtag gtttttttaa 1320
aaaattatta tttatttttg ccctctttgg ggaagtgggt gggtagattt aaaaaatccc 1380
ttcctgagta ataaagatac aaaatgttac tgctgataat tgtgatttgt tgagccacgt 1440
ctatattaac tatagctccc ctctattttt aaaatttttac ataaaattgc ttcttcctct 1500
tttgtcaagt c 1511

<210> 1198
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (712)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (732)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (735)
<223> n equals a,t,g, or c

<400> 1198
ctatcaaagc attgccttat actttgaagg agaaaagaga tatcttcagg ctggaaaatt 60
cttcttgctg tgtggccaat attcacgagc acttaaacac ttcctgaaat gcccaagctc 120
ggaagataat gtggcaatag aaatggcaat tgaaactgtt ggtcaggcca aagatgaact 180
gctgaccaat cagctgatag accatctcct gggggagaac gatggcatgc ctaaggatgc 240
caagtacctg ttccgcttgt acatggctct gaagcaatac cgagaagctg cccagactgc 300
catcatcatt gccagagaag agcagtytgc aggcaactac cggaatgcac acgatgttct 360
cttcagtatg tatgcagaac tgaaatccca gaagatcaaa attccctccg agatggccac 420
caacctcatg attctgcaca gctatatact agtaaagatt catgttaaaa atggagatca 480
catgaaaggg gctcgcatgc tcattcgggt ggccaacaac atcagcaaat ttccatcaca 540
cattgtaccc atcctgacgt caactgtgat tgagtgtcac agggcaggcc tgaagaactc 600
tgctttcagc ttcgcagcta tgttgatgag gcctgaatac cgcagcaaaa tagatgccaa 660
atacaaaaag aagatcgagg gaatggttca ggagacccga tatatcttga gntagaagag 720
gccacgattc cngtnccttt ttg 743

<210> 1199
<211> 509
<212> DNA
<213> Homo sapiens

<400> 1199
gagcagggaa actgtgtcct ggcagagatc gtggtcctgg gcacacagga cccctcagca 60
cactgaggtg gagctggggc gaggggaggg ggtgcgctct gggtaactga aggtgtgaag 120
sgcccagggc ctgtttctgg gcagtgcagg aagtcccarc cccatgcctg tggtgagatc 180
ccctgtaggg ccccccccac catggacact tcggggcctc tacggtcttc caaagctgtg 240
tcctcatttc cactgcagca gaggggcgtc cccagctccg tcaaacagcc ctttctgttt 300
ctggagtcct acaagtggag gcccaaatcc gttcccatgt tgaggcaagg ccctggctgt 360
tccttcctct ctggaaaccg ccttgaactc ttcctttggg acatgcctcc tcgaccagcc 420
ttgaaggggt gctcctctct cactacctgg aaccaaacac ccccttcctt tgtgtacaag 480
ggcaataaag agtagacctt catcttcaa 509

<210> 1200
<211> 266
<212> DNA
<213> Homo sapiens

<400> 1200
ggggaggggg atgtaaattt gataaatagg ttggtgaaaa cttatatttt cttgtaaaga 60
gagagaactg agcatgttgt aggtataagg taaaaaggcg tgaagaggaa tatttcgttg 120
ataatgaaag tgagcagcta gggaagaaaa ctcccagagg aagagggagg caaggaaatc 180
aagaacacac ttaaagtttg tcagaagaag gaactttatt tccttaaaca ttcaagaaag 240
atgatgtcat ttcagttatt gattgt 266

<210> 1201
<211> 394
<212> DNA
<213> Homo sapiens

<400> 1201
gttttctaca tatcttgaaa ggcagtgcac aatgacgtgt aattatctag gtggtaaaac 60
tgaaacatac ttcctcttcc cttgaatata aaaaagcatt gtggtattag tacttttatc 120
ttggatcatt gttcagaagg aggttcagcc cccagacaac cacattttta ctgtcatgaa 180
tggcaagaca aaatgtagag ctcaacttac ccaaaggaaa aaaggctcaa aagacaaatt 240
atggcacaac ttagcagcca aattcttacc aagtacagac ttttgacata ctgatctctc 300
tccagttsca agtsggaaca tgcactttga atgatgtcat tcaaaattac cctgcccaga 360
cacacttttc attgattctc ttggagggca gttc 394

<210> 1202
<211> 434
<212> DNA
<213> Homo sapiens

<400> 1202
caaaaaggcc agaggctcac taggtcagca tcataccaaa cgcctggctt tcaccaggca 60
tcagtgtgct tcasttgaga gtttggtacc atggttaaga tcgagtccat gctaggtaag 120
tcctgttagg aatgtcagtt tgtattccgc ccacgtgaat gatgctgagc ttaatgtatt 180
attttgaggg gcttcttcag agcagttctc actgagcttt ccattaacct acactcttcc 240
ggacggctct taaaacttgc aggacataat gaaattggga agagcagagt gttgaagtct 300
atagcatggc cttctgcttg accctgagtt cctgaattga atgtgggaga cacaggccat 360
acttctctag gcactcacat gtctcccttg gcataaggaa acatgttagt aatatagttt 420
tttagatcca acag 434

<210> 1203
<211> 425
<212> DNA
<213> Homo sapiens

<400> 1203
cactcggcca ggcgccggcg acctgagggg agagggaacg cagctgaaac tcgaactgtg 60
agatgctttt gacaagttat aataagggag agatggtagt aaaggaagtg aagaagcgac 120
gtgaaattga aggaaaagaa aatgacctgc cttcttaccg cggttggaat acacacccaa 180
acgagaggta gcagagaagc aagcagtgca ttctgttaaa aattattgtg tcctcatttg 240
agagaggagg gatcctcaaa taatacaact atgtgcaaag caggaagtga aatccttctc 300
agtcctctcc ccagttgtaa tccaagcctt ccacatcttt cctgtatgtg cataaccatg 360
ttattttgct ttcttatgaa aatgagatta tgcatactgt tcgataatct gtttcagatt 420
aaata 425

<210> 1204
<211> 689
<212> DNA
<213> Homo sapiens

<400> 1204
ttcgacccac gcgtccgccc gcgtcccagc tagagccaga ccgtcgctcc ctgccccgca 60
cgccgtcggc ctccttgccc agcagccgcc gcagcagcat gggcagcaca gcagttgcca 120
ctgacgtcaa gaaactgatg tcctcagagc agtacccacc agaggagctc ttcccgaggg 180
gcacaaatcc ttttgccact gtcaagcttc gtcccaccat caccaatgac cgctcagcac 240
ccctcatccg ctgaggcggg gtccgaggtc gtaccccaca gtgcacctgc ccaggggctg 300
ttcagagctg gcaatggcag cgacagcagc aacagcagca gatccaagaa gcgggtccct 360
gagacggggg gtggctgccc tccccagacc accccggcag cctgagcagc tccaaagcac 420
tggcttgggg tccgagacct tcaaagtaaa gcaggcggaa tgggggggaca ggacaatttc 480
tccccctcca ggggctccag gactctccct ggggggccca cctcttgccc cctaacctct 540
ttcccccttt tctgcccccg tggggaggag ccccttgtac ctgctccgtg cccaacacat 600
gccctctctg tacatctttt gtaaatgatg agaaataaag gaagtggacg caaagtgatg 660
cggcaaaaaa aaaaaaaaaa aaataaaaa 689

<210> 1205
<211> 2476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (833)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2472)
<223> n equals a,t,g, or c

<400> 1205

gaagtgctgc tagtttttat gagaagtata ttatattaaa tgtgaatttt ttaaattttg 60
cttcttatac tggaaggaat tttagccttc atattgatat ctaattaatt atttaagtgg 120
aagaggctgc atcacaattg aggtaatgta gagcaacatg ttaaagaatg atggttagca 180
gaagctgttg tatacaatct tcatgaaaat ttcagtgtgt atttttcttt ttctataata 240
cctttaactg caaagaaaag gcagtttcaa atataagaaa tttatttcag gtaagggtaa 300
tattttaata gtagtcaata atctagctta aggctgtaac tcttctatcg gggctaattg 360
tatgaatagg tgtcagtatg ttgaagatta ctttcttttg tgactttctt ctacctcatg 420
ccactgttta aaagtaaaay gtattttaat gatgttagaa taagactacc attctaaata 480
tcacctactt atgaataaca tgtaataatt tttaacmtta atgattccmt aaaattgtat 540
tattgggatt agaatgtgyt ttatgacmgg ttagtgtttc ctctgmggca gaaaactctt 600
ttttggrgat atcttccatc aagcagtact cgtgcccata tacaatctct tagtggctag 660
gagaaataaa taaaagggcc ataatggttt gttctctttc agacataatt tagtagggga 720
caagaagtct gttcttcagt gagtacacta gagatttact ctggtgactg ccttttgagt 780
tatgggtgaa gtaaggtatg gctttaccat aaccttgatt cattcaccct tgnattcatt 840
tctcgccccc gtcactgata tttccttgag catatatctc tgcctaacac tttagtaggt 900
gctatagagg atacatgaaa agtatgagat ctggttccat ccagtaagac attttaatag 960
agaagatcaa aatgttacct ggcagttggg gaataatctg acttcgttgg cagttggcct 1020
taacttctta atcattgatc caggaatatt tcaaccagag acacaacttt ctggcagaca 1080
gacaaattgt acaacaccaa caatatcctg gaccttgaaa ttctgtttac ttcagtccat 1140
tgtatccttt aaggcacctg tgctagccta gattttgtaa taacactgat ttatgagaat 1200
ggacaaaagt ggtagggaaa ttgttccctc tccacttctg aaagtatgat gatgtattaa 1260
ggatggagga gttattaaaa atgtctcttc tgatgaggta acaattagat gaaaccatgt 1320
taaagctgag atgaacactt agaaattcag ggatattggg tctttagcct tatgaatttg 1380
agctgcttat ttaattggtg taatttacta catattagta ctatattcgt aaggattttt 1440
tattaaccat tacagatttt acaaacagct agttatatgg taaacagatt attatgcctt 1500
tttgcaattc tgaatatgat tctagtattt gtgtagatgt atttggtact ttttccccta 1560
attccaacac tagtttatat atatagcgaa taaatctagt tgtataaatt tttaaatgcc 1620
gtcagtagaa agcacacaag gttatgattt ttttaattac tggcttctga tttctttcac 1680
ttctgatcct tttccttttt ctcagatgta gctgagtctt gatcatttta agacaacgat 1740
gggtagaatt ttgagattaa tgttaatttt ccctttttgt taatttcagt cccctctcac 1800
tatgcttttg tccagaagga tcaagaattc taccatccct tgggtctttg tgtataaaca 1860
atgttaaata aaggtagact cagtctttaa gatattagac agtttttta gtccatggga 1920
ttgtaaatat aaacattaac tttcctataa gaatattttg gctttgtaat ctatagcctc 1980
aaattggtat ttattatgga ttcactagac aaacagctgt ttccttattg tctttttct 2040
ttagtgtttc tgatttgcta tcagtagctg tttttaaagc crtccaagga aaataattat 2100
ttacagtttt tgaagtcact tttgagccct catcaagctc tcattgtgat gggagggata 2160
ccttttgtt gttaaaagcc tattattgtt aaaggccttt tatggaaacc aacttggaaa 2220
acaaccttaa atgtggatgt atcagatttg gtttatccag ccatgggaga gaaaacaaac 2280
ctaagtttac tttacttgta catatacact acaatggata gtatatttgc tgtaaactac 2340
aatgtaaaac ctcaataaaa gtgcgctgta cttcttaatg tttattaaaa gatgtatttt 2400
tacaaaaaaa aaaaaaaagg gcgggccgct ctanaaggat ccaagcttcc gtaccncgtg 2460
ccttgcgacg nnatta 2476

<210> 1206
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)

<223> n equals a,t,g, or c

<400> 1206
ttcatagcct tctccctgat acccctcccc agtgtcacat ttgaagacga gcactgagga 60
tgaggaacca actgaagaat atgaaaatgt tggaaatgca gcatctaagt ggccaaaagt 120
ggaggatcct atccctgaat ctaagtttca gatgaactcc cataatgant gatgaatttg 180
tgatgaggga taacctggaa gtggtattca cacattatgc tacaataaaa ggttctaccg 240
tggagaggat tttgacacat tcagtaacta atggaacaca ccgtcaacat gaattcgcac 300
cttacatgac agaagtgatt cagggattcc tatgaataga aatgctgaga aggaacgcat 360
tttattgcag aagctaaaaa gctaaagtac cagtcatcta gagagaagga aattaatgtt 420
tcttaataat cctgttaaat gtttgattgt ttttggaatg tgttattgta aagatgtcat 480
gcaggacatg tatatgttgt ctgttgtaaa atgttaacga atactttgtt cagggctcac 540
tctctctttg tcatgaaagc cagctccttg tggcgaggta aagtggaatt ccaataaaga 600
aattccttaa atcaaaaaaa aaaaaaaaaa 630

<210> 1207
<211> 755
<212> DNA
<213> Homo sapiens

<400> 1207
ggtaacaaca aaatttgttc ggacatcaac aaataaagta aagtgtcctg tatttgttgt 60
taggcatagc atggaaaacc tttttgaaaa gaataaaatc cgagcatcca tatcttataa 120
gtggactcca gaaggaagac gcttggtcac tggagcttct agtggggagt ttaccctgtg 180
gaatggactc actttcaatt ttgaaacaat attacaggct cacgacagcc cagtgagggc 240
catgacgtgg tcacataatg acatgtggat gttgacagca gaccacggag gatatgtgaa 300
atattggcag tcgaacatga acaacgtcaa gatgttccag gcacataagg aggcgattag 360
agaggccagg tttatacaca atataccatt ttctgtagtc cctattgtca tggttaaatt 420
attctctaag tgtattctgg gtgcagagat gcatgggctc tgtcagtttc tgggaaactt 480
tctgcaccct ataaacacaa tatttttctt tgttttcaca cattcaccat tttgctggca 540
cctttctgaa gtagtgttgt cceggtatca gcctttgcaa tatgttagag atgtactgtc 600
tgccgcattt tgcactggtt ttctcttttc atttatgatt aataatgtgt atacgttatt 660
ccttttttatt atctactgtg taagacaaga atatttcatt ccaaataaag aattcagtct 720
ttaattatgc aactgaataa aatctaaagc ctaaa 755

<210> 1208
<211> 600
<212> DNA
<213> Homo sapiens

<400> 1208
accaccctga acatgcctga gcttgtcata atatgttgag tacccaaaag atttgtttat 60
attgttaatc ttagggaaaa aaaattaaaa tccagtagat cagaacatca ggctttcaga 120
tacaaattga tttactggtt tttattttgc tgattataat atttggtata tttaaggtaa 180
tctagttaac tagatgctat ttcatagatt atattgaatg atttaaaact ttattttcaa 240
ggatagttta ttttaaatgg catattgaaa acatcattat taagatccag taggtaggac 300
atttattgga ttaaaatgaa gcatttatct atgtctttag gtgtcattgt tccctttctg 360
aattagctgt acatataagc cttcctttgg ttttaagtac tgatttttt ttaaaaaaaa 420
gagggactgt ttaccattct tccactgtgc tgttataaag ttgtatttga aaggtaatgt 480
tgtttttatt aatcttttgt cttaaaataa tttaaagtgc tttgaatttt aaaacattaa 540
acaaatcctt aaataacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600

<210> 1209
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<400> 1209
tgcctacgat tcccgcactg cccatgggga acgaatccta tatcgctgag cgcttggtag 60
ggaatgtgga ctgtnaccct gagagtcgtc cttccctctg cctgagtcct tgagcgaaaa 120
tattgaatag acagcaattc ctgaagtcta aacgcctccc aggactacgg aggattattg 180
gaaagagaac aagcgaggag atacaatctt caaggactaa atggggaatn acttttttagg 240
ggtcantaga tgattgatga ttgattacta taaactgata atatgaggcc aaaactaaaa 300
gttggaagag tgagcaagta caatggtttg ggagaggcaa tgaagaacaa agaaggtgcc 360
agcccytact ccagacgctg tggtaccact ggtttggcag gaaaaacaat catcatttga 420
gagggccagt ggggaagccc tgtcctcatg gaaaagctat cttctttcgt ttacactttt 480
catggtatta tgtctactga agaggtaaaa acaccaaatt tcagagaagc tcttaaattg 540
cccaatactt caaagcaagt ataactggtg aagcgcttgg cattgatgtc agacacccaa 600
tgcctatgat ttatttaatg cagtagcatt aaggaggatc ctatacgtga aggaacatat 660
tttatttttct tcctttatat tttttggtta aaatatcgtc attatagtta gcaatttgga 720
atctggctta cattggttga tacaaataaa taatagaata aagcaaaatc agaaaacaaa 780
aaa 783

<210> 1210
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<400> 1210
acccaatttr ggtatgactt ggaagtgcag aaacagargg atactgttag aaaawcctaa 60
cawtggtctc cgtgcatgtg ttcacacctg gtctcactgc ctttccttcc cacagacctg 120
agtgtgaaag actgagagtt gaggagttac tttgtggatc ttgtccaaat ttagtgaaat 180

gtggaagtca accagaccaa tgatggaatt aaatgtaaat tccaagaggg ctttcacagt 240
ccacagggtt caaatgactt gggtaacaga agttattctt agcttacctg ttatgtgaca 300
gtgatttacc tgtccatttc caacccaaaa gcctgtcaga aagcattctt tagagaaaac 360
cactttacat ttgttgttaa actcctgatc gctactctta agaatataca tgtatgtatt 420
cataggaaca ttttttctca atatttgtat gattcgctta ctgttattgt gctgagtgag 480
ctcctgtgtg cttcagacaa aaataaatga gactttgtgt ttacgttaaa aaaaaaaaaa 540
aaggggggc ccccctaaaa naacccaagc tttac 575

<210> 1211
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<400> 1211
gggccgcggc ggacctcgc tgccctacct ctctcgcggg ttagtgcggg gtcgggctcg 60
gccagtcctg gccagctccg ggagagcctg gcccgaattc ctgcctccac cctctttctc 120
gccgcgaagg tgactgttcc ttttgcccca gccctctcag acccgccccg gattcccagg 180
catcgggaga cgcggaaagg artggggtct ggtggaggcc ccgggcgtat cgctctccag 240
gccgccctcc gcgggcctgc cccggccacc gctttaacgt cggagagaag gaattgggga 300
gaaargttta agagcctgcg amttcgttgc tgaacttttc ccccccaaga caggcttccg 360
aaagctgcgc cactggaggg atccgggacc tcagactact cgggtttggc cctggcatgt 420
gtgggagcag tttttattag agagaatgct caatttgcaa gttaatttca agtcttcanc 480
cacgtcagga aaaaaacatg aaggaattaa aggangccan gcccgnccaa agataacaag 540
gcgtncaaaa acttggaaat ctataaaccc tggcc 575

<210> 1212

<211> 523
<212> DNA
<213> Homo sapiens

<400> 1212
aggtttttag gaacacaagg ttagtcagga cgtggatccc cacagtggac acgactgccc 60
caccctgccg aggtcggagg tggccatgag gagatgggct gtcgcttgct gtctgagctt 120
ccatccacga atggtgtggg agttcrggat cttcccagac attstttctt caccttggg 180
aagatggagg gggacggtgg tggcatccct tgcagtctgt gctgcgctga cactttggag 240
aagygtctcc catctgtaga gcagaatcct ctttggagaa atgcagctgt ccttgacctt 300
gaggcagaag gcgtytccat cctgggcatc tgtytgcccc tcccatctg gatgcctcat 360
cttgctgtgt cattaatggt aatcttattc taacagcctc ccatgcatca actctatcag 420
tccccgaata ttatctttaa attttgtcag atcgctttgt gggtttctgg ctttttctct 480
tttctatcaa gctattcaaa gcaaaaactg aaagtgaatt tag 523

<210> 1213
<211> 752
<212> DNA
<213> Homo sapiens

<400> 1213
gagccccttg gcccagctct tcttggagag agaaggtgct tctttgccaa aacctaagcg 60
cctaatctgt tgacatccct tggggctcta gtagaagggc ccccttcttt gatgcagtta 120
tgccgcctta gaattcggaa gtgttttgga atccagcagc atcataagat aaccaaactc 180
gtcctcccag aggatctgaa acagtttctc ctacatcttt aaatgcatct agggaatgga 240
ttcacaaacg atgtgaaaac attattgagt gttgtagcca ctagaatttt aaaatcaagt 300
tggatttata gagtttgact agtttttttcg attagatttg tatttgttat aaacttgttt 360
atggagtttg actaattttt tctattcaat ttgtatttgt taaactcaag ccagggtkga 420
aagacactgc atacgtttgt attattagtt agaaggcatg aagacttttt tccctgcwtg 480
gagagtgtca taagttattg ttttgcatat ctactgcatg ccaagcactt tctgcatcat 540
ctaatttagc cctcacagcc actgggtcaa gatgtccaat tttccagagt aaggatagag 600
gagtcaaatt caaatacagg ttttctgaca ttaacttatg tgatgacttg atcgaggcag 660
gcttttccag catcactgtc ctggttccat ctctgctata tgggaatgaa aataaagaaa 720
catatttctt ggcttgtcta aaaaaaaaaa aa 752

<210> 1214
<211> 1088
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 1214

gcgnccgctc gcccggaccc tgaggctgct gggcccaccc tcccggaacc gtccgaccct 60
cggtggcctc ggctcgttct gccatctccg gtcctaccct ggggcggagg gtggaaggca 120
gcttccgtcg aagaggaggg ggctgcggtg gccaccgngg cggagsccga gttattttac 180
caagaaaatg gtttgcacga ctttgaacat atactatcca tgctgatggg acaggatcca 240
atatgaatat aaatgatgga ggaagacgac gctttgaaga taatgaacat acattacgga 300
tatatcctgg ggctatttca gaagggacaa tctactgtcc gattcctgcc agaaaaaact 360
ccacagctgc tgaggtgatt gagtctctta taaacaaact tcatcttgac aaaacaaaat 420
gttatgttct agcagaggta aaggaatttg gtggagaaga atggattctc aatccaacag 480
attgtccagt tcagcgaatg atgctgtggc cccgaatggc tctggaaaat cgcttaagtg 540
gagaggacta ccgcttcctt ctgagagaga aaaaccttga tggatcaatc cattatggta 600
gcctgcagtc atggctacgg gtaacagaag aacgtcgcag gatgatggaa cggggttttc 660
ttccacagcc tcaacagaaa gactttgatg atttatgtag tttacctgat ttgaatgaga 720
aaactctctt agaaaaccta cgaaatcgct ttaagcatga aaaaatttat acctatgttg 780
gcagtattct aatagttatt aacccattca agtttcttcc tatttataac cccaaatatg 840
tcaaaatgta tgataaccac caactgggaa aacttgagcc ccacatttat gctgtggctg 900
atgtagctta tcatgccatg cttcagcgca aaaagaatca gtgcatcgtg atttcaggag 960
agagtggttc tgggaagact caaagcacaa actttcttat tcaccacctt actgctctca 1020
gtcagaaagg atttgccagt ggagtagaac agattattct tggagctgga ccagtacttg 1080
aggccgtc 1088

<210> 1215
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<400> 1215
tccgtacttg aggagacggg acacacagga caagctgcag gtggtgagca ggttcacctt 60
ctattttgaa gacccgcttc ttcctcaggt acctgatctt gaaaacgaac ctccccttc 120
aggtcttgct tcccctcaac ccagacaccg actcgcccaa gggtcttcca gctggctgag 180
ttggaacctg catttttaa ccacaaggaa aagaagccca gagcttacca agaataatat 240
tttattgact tgggaatgag ttttggaatc tgtatttta acaagctgcc cagtgaaaac 300
catttcctcc tcgtcgtggc gcagttccag aggntgcgcc attntttccc aggtcaacag 360
tcctgtgtcc ttgggggagg ga 382

<210> 1216
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (693)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (735)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (814)
<223> n equals a,t,g, or c

<400> 1216
cncactatag ggaaagctgg tacgcctgca ggtaccggtc cggaattccc gggtcgaccc 60
acgcgtccgg cccgacgtcg cctccggcta ggatggcccc tccgggcccg gccagtgccc 120
tctccacctc ggccgagccg ctgtcccgca gcatnttccg gaagttcttg ctgatgctct 180
gctccctgct cacgtccctt tacgtcttct actgcctggc cgagcgctgc cagaccctgt 240
ccggccccgt cgtggggctg tccggcggcg gcgaggaggc gggggccccc ggtggcggcg 300
tcctggccgg accgagggag ctggcggtgt ggccggcggc ggcacagaga aagcgcctcc 360
tgcaactgcc gcagtggcgg msgcgycgrc sgcccgcgcc ccgcracgac ggcgaggagg 420
cggcctggga agaagagtcc cctggcctgt caggggtccg ggcggctccg gggccggaag 480
caccgtggcc gaggccccgc cggggaccct ggcgctgctc ctggacgaag gcagcaagca 540
gctgccgcag catcatcatc ggaktgaara agggcggmac gcgggcgctg ctggagttcc 600
tgcgcgtgca ccccgacgtg cgcgccgtgg gcgccgagcc ccacttcttc gaccgcagct 660
acgacaaggg cctcgcctgg taccgggacc tgntgcccag aaccctggaa gggcagatca 720
ccatggagaa gaagnccagt tattcgtcaa gcgggaagcc cccgcgcgca tcttgggcat 780
gttccaagga caacaagctc attcgttggt tgtncgggaa ccggt 825

<210> 1217
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<400> 1217
gtgaaaaaaa actatagtac acctgttatg agactgtcac tttgtacatt gttgagtttt 60
tattatccac ctgtagacta gagtggacca tgaattcttc cactttcttc aatcccattt 120
tctaccatgg aatcactaag agcaaagtct gctctgttcc tgaagctcta taagctacag 180
atggataact caatgtaaat ttcatgggaa aacactcatg cctaaggtgt gggccactca 240
gagctcacca gtatgttcaa cactataact agagacactg aaactgcaaa ccaggacaag 300
aaattgacaa cttcacgctg tagacagctt ttcccaagat gtcagaacaa gacttcctac 360
catgatgagg ctcctacccc tcttaatttg cctagctcat gcctgcctct ttcacttgca 420
ggataatgtt gnnattagaa tttcacagga agtatcttct gaagggtagc ttaacagaag 480
tatcagantc tatgatatca cntaccnaaa tttttac 517

<210> 1218
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (753)
<223> n equals a,t,g, or c

<400> 1218
ccgacttact ttagggaang ctggtacgcc tgcaggtacc ggtccggaat tcccgggtcg 60
acncatncgt ccgaccaccc aagggtgagg agaggggctg gaagccctgg gcattaggag 120
aagggagtgg gtgctggcat ggacatgact ggatagaatt ttctcaggag ggagcttggt 180
ggattttgaa ggtaaaactt tctgggttta tcatgtttta attttagaga cagggagtga 240
tgaatcatca ccggttgtcc ccttatctaa ctccataaaa gtgggaattt caaaagaaca 300
cctcatccaa ggagctgggg cagacttcat tgattctaga gagacctgtt tcagtgccta 360
ctcatccctg ccctctggtg ccagcctcct taccatcacg gcttcactga ggtgtaggtg 420
ggtttttctt aaacaggaga cagtctctcc cctcttacct caacttcttg gggtgggaat 480
cagtgatact ggagatggct agttgctgtg ttacgggttt gagttacatt tggctataaa 540
acaatcttgt tgggaaaaat gtgggggaga ggacttcttc ctacacgcgc attgagacag 600
attccaactg gttaatgata ttgtttgtaa gaaagagatt ctgttggttg actgcctaaa 660
gagaaaggtg ggatggcctt cagattatac cagcttagct agcattacta accaactgwt 720
ggaagctctg aaaataaaag atcttgaacc canaaaaaaa aaaaaaaaaa aaaa 774

<210> 1219
<211> 556
<212> DNA
<213> Homo sapiens

<400> 1219
gtttagcaca aagaaaagcc atcttggtgc aaagaggctt taaattacta tggactggca 60
gtcaatcaaa atccaggaat tgatgtctga tgatcagaga gaagcaggtc ggattccacg 120
aacaatagaa tgtgagcttg ttcatgatct tgtggatagc tgtgtcccgg gagacacagt 180
gactattact ggaattgtca aagtctcaaa tgcggaagaa ggttctcgaa ataagaatga 240
caagtgtatg ttccttttgt atattgaagc aaattctatt agtaatagca aaggacagaa 300
aacaaagagt tctgaggatg ggtgtaagca tggaatgttg atggagttct cacttaaaga 360
cctttatgcc atccaagaga ttcaagctga agaaaacctg tttaaactca ttgtcaactc 420
gctttgccct gtcatttttg gtcatgaact tgttaaagca ggtttggcat tagcactctt 480
tggaggaagc cagaaatacg cagatgacaa aaacagaatt ccaattcggg gagaccccca 540
catccttgtt ggtttt 556

<210> 1220
<211> 148
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<400> 1220
gtgtttaatg atctgtaaaa tgtagattat cttcttttat tatgaatgtg attgtaagaa 60
acaccctaac attctctaac ttttgaaaat gaatattttg tatttctaag gamcaaggaa 120
aatatttttt aagccmatgt antacaca 148

<210> 1221

<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<400> 1221
ggtttttcgc agcgccgggt gtgttcgggt aggtgttgcg ggcaaggaag taggcagcgg 60
cccctgagca gccgcctcgc tccggcattg cggggacacg gcggggctga ggccacgaga 120
gcagggcccg agcccggcgg gccgtggtta cggttttctt gcactgaaaa actgaatccg 180
gcccgaagcg acgtgcactt tatggtcccc acaccactcg gttaactaag aaaagacccg 240
ggcgaatgga cctaacgcaa cccggtgcck anagggcccg gtccagcagc ctctggggcc 300
cartgcgcag ggcactgcgg gccgattgc 329

<210> 1222
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 1222
ggcagaagct tgaggtcctg aacgtgctac gcaacccctt gtctcgtgtg gatggggcgc 60
tggccgcccg ctgtgacctt gacctgcagg ccgactgcaa ctgtgccctg gagtcctggc 120
acgacatccg ccgagacaac tgctctggcc agaagcctct gctctgctgg gacacaacca 180
gctcccagca caacctctct gccttcctgg aggtcagctg cgcccctggc ctggcctctg 240
caactatcgg ggcagtggtg gtcagcgggt gcctgcttct tggacttgcc atcgctggcc 300
ctgtgctggc ctggagactc tggcgatgcg agtggccaga agccgggagc tgaacaaacc 360
ctgggctgct caggatgggc ccaagccsgr tttaggcttg cagccacggt acggmagccg 420
kagcgccccc aagccccaag tkgccgtgca ttcctgcccc tncacttccc nactattgag 480

<210> 1223
<211> 1299
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1267)
<223> n equals a,t,g, or c

<400> 1223
gctggccaag gcgctgcggc ccaccaaaat catcttcctc aataacacag gcggcctgcg 60
cgacagcagt cataaggtcc tgagtaacgt gaacctgccc gccgacctgg acctggtgtg 120
caacgccgag tgggtgagca caaaagaacg gcagcagatg cggctcatcg tggacgtgct 180
cagccgcctg ccccaccact cctcggccgt catcaccgcc gctagcacgc tgctcactga 240
gctcttyagc aacaaggggt ccgggaccct gttcaagaac gccgagcgaa tgctacgggt 300
gcgcagcctg gacaagctgg accagggccg tctagtggac ctggtcaacg ccagcttcgg 360
caagaagctc agggacgact acctggccyc ctgcgcccgc ggctgcactc catctacgtc 420
tccgaggggt acaacgccgc cgcattctga ccatggagcc cgtcctgggg ggcaccccgt 480
acctggacaa atttgtggtg agctccagcc gccagggcca aggctccggc cagatgctgt 540
gggagtgcct gcggcgggac cttcagacac ttttctggcg ctcccgggtc accaacccca 600
tcaatccctg gtacttcaaa cacagtgatg gcagcttctc caacaagcag tggatcttct 660
tctggtttgg cctggctgat atccgggact cctatgagtt ggtcaaccac gccaagggac 720
tgccagactc ctttcacaag ccagcttctg acccaggcag ctgaccttca ccatggacac 780
tacaggccct ggaatggcca gggtggacca aaagccatgc cagctgggca tgaccccagg 840
cagccagcca caggctgaag ggggcttgtt ggctgagtga tctgcagagg agaaagcagc 900
cccagctctg cccagaggag gcgctgaagt gggacaagca caggaaagaa ggggaccagt 960
ctaggacccc aacttgactc actctaaagc tacaaccaaa tggccttcga ttttcaacct 1020
ggggattagg ggaggggagg gtgccttcca gggctctact caggactaac cctaagggtg 1080
agctagtttc tgtgcctctg tgctatgttt tgaggctccc ttacccaaaa taataccct 1140
gcctgcgtga tattctacca ttcattttaa ttcctttggg tcttgcagtt tttcaggagg 1200
ccttgattaa aatgcaaata cttgtctgag aaattccgct tacactttga aaanaaaatt 1260
aaaattnacc cccttggaaa caaaattttt tttttttt 1299

<210> 1224
<211> 1062
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1047)
<223> n equals a,t,g, or c

<400> 1224
tccagagaga aaataggccg tgtctcaaag aaaggttctt ggtctatgcc tctggtctgt 60
gggctggcar ggcaaccata ccatacyccc gccagtcctc ggctcctgct gcaaagttgg 120
catgtttcac agggaaactt ttggaagagt ggctgcttat gagattccaa aatgaagtgt 180
tggccaacac cgctcatggc catcctggat tttcccagtg gcttcccttc ctgctcgcct 240
ccctgaacag gggagaaagc ttaacctctc ttctcctctc caaacctttc accttgaatg 300
ggtaatgttt ggtgggggct gttccttctt ggagaagcct tgagtcggac cattttgaga 360
tcatggagga aggatgaaga agtgaaaatg acaataatga ctctcaagag gctggcgatg 420
tgacatggca aatgtagaac tgacttaaat tgaacaaacc ctcactgagc acctctgatg 480
ttgagcacct gctgaatact gagcactgaa tgggggaggg ggaggggagc acggggtgag 540
tcaacctggg actcggtctc agggatatgc ctaccaatag cgggtatcgt aaggcatgta 600

cccaaacata acggatgtaa ggcagaaagt gatcggagaa ggaatgagaa agtgtgcgtg 660
atgttaatga aaagtcatat gcagctagag cagacccagg aaagctttct ggaagagatt 720
gcatctgagg aaattcagga aggatctttg tagattgggg ggagattcta aattgaaggg 780
gtgatrgggt gaggggccag agggaagtct gctgtgttct catgtaggat gtcagccctc 840
cctgcaactt ctctttttgg ccaatgtctt ttcactttcc tgacccttta gaatcatccc 900
cagccagacg caatcatgga agttgcctta ttgtcactgg ttaagaactt ggcgagattg 960
aagggctttt gttattgttg ttggatattt ttgtttccca taaaagcaca tcatttcaac 1020
cctaaaaaaa aaaaaaaaaa aaaaacncgg ggggggggccc gg 1062

<210> 1225
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (596)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (602)
<223> n equals a,t,g, or c

<400> 1225
aaaaatggga tgaaccttgg tataaccaaa aaacagaaca tcaaagaaat agcagtaaga 60
ttctgagatt tatttcagac ttccttgctt ttttggttct ctacaatttc atcattccaa 120
tttcattata tgtgacagtc gaaatgcaga aatttcttgg atcatttttt attggctggg 180
atcttgatct gtatcatgaa gaatcagatc agaaagctca agtcaatact tccgatctga 240
atgaagarct tggacaggta gagtacgtgt ttacagataa aactggtaca ctgacagaaa 300
atgagatgca gtttcgggaa tgttcaatta atggcatgaa ataccaagaa attaatggta 360
gacttgtacc cgaagaccaa caccagactc ttcagaagga aacttatctt atcttagtag 420
tttatcccat cttaacaact tatcccatct tacaaccagt tcctctttca gaaccagtcc 480
tgaaaatgaa actgaactaa ttaaagaaca tgatctcttc tttaaagcag tcagtctctg 540
tcacactgta cagattagca ngttccaaac tgactgcact ggtgaggtcc cggcanccaa 600
cnggcacc 608

<210> 1226
<211> 889
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (850)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (882)
<223> n equals a,t,g, or c

<400> 1226
atccatttta ggtactctac tgacttttc cttcacttgc caagcccttt tattgttcac 60
tgttagaaaa atagagaagg tgagacagct gggggaaaat gtggagtaaa tgataatcaa 120
atgttgaatt ctaaaagtct ctacatttac ctaggttggc tttctccccc agttcagaag 180
tttccagctt ggccaatcat cagaatcact tgaggaactt agaaagaact ccctggctgt 240
agctcctatg taggtttagg ttgagactct ggattccaca atttttaaag gttaccatct 300
gaggtttctg atcatagtct acttttgaag cagctgctgc trtttcttta ttccattgaa 360
caccckggaa ttgacataat tttatctatc agcatttctc ccctttttagt ttatttaata 420
attaacccgg tctccagggc agttttcata tgaccatgtg tatattcact gctcacgaaa 480
aagtttaatg ttagattacc aaatttaata tagttacaga attactgcat aagggcttcc 540
cttcttggag actcttaccc agcatgggaa cagtgatctg cccacatgac agggtggtat 600
gccaggcata gttaactgct tttggttgtg aggtactcat cttcctttag ttacccttag 660
ttatgtggca cacatgtcct tattgcctag ttcgtcatcc acactttgga tcttgtgaaa 720
atgctgttag tatccaacct taaaatatat tagtatatgg gtttttatta aaagaattac 780
tttgaatttt ctatttaatt catatgtaaa taaaggaaca tttcatttca cttaaaaaaa 840
ttatatcagn tattaagctg ggtgcaagtg gctcatgcct gnaatccaa 889

<210> 1227
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (678)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (693)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (730)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (736)
<223> n equals a,t,g, or c

<400> 1227
ggcacgaggg gaaatgcttc tgccgcaagt ctactctcac gacccacctg aggacccaca 60
caggagagaa accgtatgaa tgtaatgagt gtggaaaatt cttctctcgg ttgtcatatc 120

BNSDOCID: <WO___0122920A2_I_>

tcactgtaca ttatagaact cattcaggag agaaacccta tgaatgtaat gratgtggaa 180
aaaccttcta cctgaattca gccctcatga gacatcagag agtgcacaca ggagagaaac 240
cttacgaatg taatgaatgt ggaaagttat tctcccagtt gtcatacctc actatccatc 300
atagaactca ttcaggagta aaaccctatg aatgtagtga atgtgggaaa accttctacc 360
agaactcagc cctttgtaga catcggagaa tacacaaagg agagaagccc tatgaatgct 420
atatatgtgg aaaattcttc tctcaratgt catacctyac tatacatcat agaattcatt 480
caggagagaa gccctatgaa tgtagtgaat gtgggaaaac cttytgscag aattmagccc 540
ttaatcgaca tcagagaaca cacacaggag agaaagccta cgaatgttat gaatgtggga 600
agtgcttctc tcagatgtcc tatctcacta tacatcatcg aattcattca ggagagaacc 660
tttgaatgta tgagtgtnga aagccttctc tcnggtgcat acctcactgt acatatagac 720
ccttcagggn gaaccnatg 739

<210> 1228
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<400> 1228
ctttgttnca ttgcccattt tgaaaaaggg aattatttct cagtctttca aggcttgaga 60
ctaatatagg ccattgtgat tcaggaagaa acccaaggtt ggagggtggg atgagtaccc 120
tctgaaaaag ggaatttgct ggtgaaaaga ggctggatct tgtggaagac tgtcttggat 180
ggggaagtac tacctggaga tttcaaattc acttggcctg caaacaacag agttatccgt 240
atcttccaca tgtgaatgtc attgcaaggg tgactctaga caaactacaa accgatggac 300
cgtcaagctc cccaggagcc ccttggatgg cagcgttgct tcagagtgtt tcctgtttct 360
ggaattcctt gttagggaac tttaaagaag aaaagaaaaa cttgaattgt gttgaattac 420
tgtatctttt acttttttt tttgaaaaga taaacttgta aatagagtga tttgaaatac 480
taaaaaaaaa a 491

<210> 1229
<211> 1596
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 1229
cactggcggg tcgcaacgct gtgggcgttc caggaggtgg tcgtggcgaa cctggcngct 60
gcgatgagga aactgaggcc ctgagaattg actcattcag atcacttccc atgatcacgc 120
agctgagcag tttccaatac agaattcaga tttggggttc cctacttcsa atccaggtct 180
ctgtgctcca cacttgtctt tcgtgctcca tgtttgaaga aattaatatt gtggaagaac 240
agttttaagg cttagaggaa cttgarttag gatccgtact tggcagatga ggaaattgat 300
tctcatggat gtaaattcac tgtttgaggc cacaacaggg catcatggag ggaggcttga 360
agaggaaaca ctctgatttg gaagaggagg aggagaggtg ggagtggagt ccagcaggcc 420

ttcagagcta ccagcaagcc ctgctccgca tctccctaga caaagtccag cgccctgggc 480
ccccgagcac ccagcctccg caggcatgtc ctcatccata acaccctcca acagctgcag 540
gctgcacttc gcctggctcc cgcccctgcc ctgccccccg agcccctctt cctgggcgag 600
gaggatttct ccctgtcagc camcattggc tctatcctca gggagctgga cacctccatg 660
gatgggactg agcccccctca gaatccagtg actcccctg gcctccagaa tgaagtgcca 720
ccccagcctg atccagtctt cttagaagct ctgagctccc ggtacttggg ggactctggc 780
ctggatgact tctttctgga cattgacaca tctgcggtag aaaaggagcc tgcacgggcc 840
ccaccagagc ctyctcacaa cctcttctgt gccccaggtt cttgggagtg gaatgaactg 900
gatcacatca tggaaatcat tctggggtcc taaaactgtg atagagggga tcgatccttc 960
ctcatgtcat cttcggtggc ctggatccct gaatgcaact ctgggtgtgt gtttttgtgg 1020
gggctcgaag cagtgactat ggcctccttt gttcccattt cagggttcca caaactgtct 1080
tgcatgtgtg tgtgtgtctg gttaccccga ccttctgtga aggtgggtct tcctgaatta 1140
atttatctat tccaaatgcc ttaacgagac tctgtttctg ggagtctgat tttccactta 1200
cacatttctt ccacctttcc tgctagttcc cactcccctg tgaccactgg ggcctcaggg 1260
aagataaaga aagctgggcc tgtcgaagga tgacagggat gtgctgccag gttgctatag 1320
aaacccaggc tctgcctctt gcaccttgag ggggtgggag gggctggtgt cctccctcca 1380
ggctgaaccc cacttcctcg gcaggacccc agtctcagca gcctcctgat ttcataacca 1440
ggccggacca cgtgcaatag ggtggaaacc aaactgctcc atgccgggtt atttaaaaga 1500
aaggcagagt ttgtggtggc ttttttttt ttttttggat tgtttgtaat ttttttaaat 1560
aaaagtattt tggaaggaaa aaaaaaaaaa aaaaaa 1596

<210> 1230
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<400> 1230
cctcgagtag cactttagtg aggctgtaag tacaggaatt attcttacct cacagacaga 60
tgagcagttg ggcttctaaa agataaagta agctccctga aatgacacag agaatcattt 120
ctctatgaaa gatcagggct agcatccagg ttttgcaaag cccaactcag tgtacttttc 180
atttcatctt acgttgctta agaaggccag gcatgtaaca ggtaccatct gctagcgatc 240

actgaatgca ccttggctag cggtgggggg tgtagaagat gatgcgggtt caccaagaca 300
gtacattkga gaaactgcca ttctttccct tagrtgctga ctggaaagct tctagggccy 360
awctgtgtgc cttattcagg grgacycata aagatcttgg aaagtgtaaa tgaacatgtt 420
ttatgagtag aaatggtcca caatttagca gatagaaagc ctgggttcta gccccagctc 480
tgccattagc tgtgtgatca tagataaatt ctttcccctc ttgaggtttg aacatnactg 540
actctacaaa gaancaaatt ggntctggaa gtggatanca 580

<210> 1231
<211> 1676
<212> DNA
<213> Homo sapiens

<400> 1231
ggtttcaaat atgtggtaaa attctgtgac ctgccatatt ggatttaaaa cttcatcttc 60
atcttaaaac ttcatctttt gaaatctctg aaaatcatta gtgtgcatgt attgaacacc 120
agtctttatt ctgtaattaa caccccagat ttctttcccc tcaccttatg ccatccatct 180
gtgtgtttgg tttccagtat gccatgtgga agaggtgtga gcctttcttc agcccaagaa 240
ggaaacttta aacatatttg cacaataaaa tttcaaatta aacatttcaa aaagggtgct 300
cagactagaa atacatgctc ttctgaaatt ccatgttgca actgtaactc ctgtcatata 360
tacccagtgt atgaggaaaa gttcttgcag ttttcacact gcccttctgt attgctgcct 420
ggctgtgctc tgttgttgga actgaaatat gaaatttta ctttgaagta tgttaatgtc 480
aaagttgatc gtattaagtt tkgaaatcct ttgaggttta tctaataagt gtgttggagc 540
ttctgtctct tctggtaata ctgtaccctg ttgaaccaag aacagtttta ttgtttgtgg 600
gacttcgttg gttttctaat accataacct gtgtccctgt gcagtcaggg ggtcacttct 660
ttaagatcat gtataatacg gcccgtcata tacacgtaga tagagccatg tgattccaga 720
aattagaaga ctggatctgt ggaatccata catgttaaaa ttttgccaaa atgagatgat 780
taaaattttt gtgagtttta taaactgttg cagttcgcct tactgatttt tcaatgataa 840
tcacttttat gggaaggggg cttaggaaca aaaaactttg ccaagaatgc aaaatcttac 900
tggtttttaa agcttgtaac agttgtgtgt aaaactttta tatttgaaac gtaaactcac 960
cctttctgcc actgctttca ttgcactttt catactcaagt tctctccaac gtggtgtctg 1020
aaagattttt attatataca ctctttatgg aattcaatga agtgtggtta tgctgtgttt 1080
ctgaagtttt taggcttttc ttcattggcc tgcctaatac tagtgtgttt ctataacttc 1140
agatgattca aaagtttagt gcttcattgt agcaaaaaat gtatataact cataatatcc 1200
tacatgtagt attcaaaatc aattattaat aaccaataaa ggactcaaca cattttcatt 1260
gcgtgttctt ctttaagaca cctaaactca tatctcataa tttctgaatc cgcaatccct 1320
attcattaat tgattacagt ttttgagttg ttggaaagcc tagccctctc agattcaggg 1380
ttcagaaaga attaccaggt ctggtaaaat tgtctgacta gcccttagcc tcagaatggt 1440
caacttcata gtataagcaa agaaagtggt gatctcatat agtcagcttt ttcatgaaca 1500
ttaattcatg gtgaatgcac tcacagcaac caaaatccaa aaaaaaaaaa tgttcatcta 1560
aaaccttaaa cattagcttg gctcattgag ttcttggtac aacctgcttt tcatatgaca 1620
cagtatcaaa catgatttca gatgaaatgg gtggtgttaa tattgtgtta aagaaa 1676

<210> 1232
<211> 394
<212> DNA
<213> Homo sapiens

<400> 1232
attacaggca tgagccactg tgcccggcct tccttttctt ttaataagtg tatgtatctc 60
aaagccattg ccttctctag aaatctgttt ctctgttctg gaagagccta taaactttgc 120
cttcagttgt ttttcttttc aaaagggaac accagtggta gatgattaac tcttatttat 180

ttttaaaatt taatttggat ctatagtcag tatctgagat ttataggatg aactttggtt 240
tacaaggaac agtgtagtta aaaagttagg gtgcctatgt tcttatgtaa tcatcaacat 300
gtttgttgta taatcatcaa cattttctg aatgcaatga tgaacatttc aaacaataaa 360
tgaaaatgaa actaagtatc aggaagtagc cagt 394

<210> 1233
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 1233
cttacatcta ttttgattga cttgaaataa aatttaacac ctcagggaag gcaattctca 60
tgtgttttga attatactga gcattaattc ttcaggataa ttatagactt ggaaaggttt 120
aacccagtct cccagtccat gctgaagttc ctttaagtga taggaggaac tcataatcta 180
caaggcaacc caatccattt ggtgctacca tcgattgtta taaagcccat ccttgggtta 240
aaatctacta tttacagttg tatttaatga ccttaattct gccctcaagc tatataaaat 300
ttggakctgt kttctacatr ataatctttt agatawctta aggtagttag tctatcctct 360
cnacccttcc cctcacagtt tttccaccct ttggagataa atatccttcg ctattccaac 420
tatttctcat atggtatcat tttaatcatc ccnattgctc cctaaggatg ttaaactttg 480
ttnatgtccc ttccaaaatg t 501

<210> 1234
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<400> 1234
cagccccggc gtccgccccg ctgccccctc ccccgggggc catgggggcg cccccgggct 60
accggccctc agcttgggtg catctcctcc accagctgcc ccgcgccgac ttccagctcc 120
gcccggtgcc cagcgttttc gcgcccaaga gcaggaatac cagcaggcct tgttgctggt 180
ggcggccttg gcgggcctgg gcttgggcct gagcctcatt ttcatcgctg tctacctcat 240
ccgcttctgc tgctgccggc cccccgagcc ccccgggtcc aagatccccc cgcccggggg 300
aggctgcgtc acctggagct gattgtcccc ttntcgncgg ctgcactggc attggcatcg 360
g 361

<210> 1235
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<400> 1235
caaaaaaaat aaaaaagaac agccttttta ggccacagtg acctgcgcaa tgtttatatg 60
ctttgaccta ctaactttct cctaactaaa tatttgattt taggagagtg tttaaataaa 120
ttacagtatg tctatatgat gaaatgttat tttgccatta aaattttgtt tacaaagata 180
atttttattg acataaaaat aactttaatg taatttatgt tgaaaaagct gaatacaagt 240
ctttatatag agtaatattt gagctgtgtt caaaaataca taggaaaaga ctgataaaat 300
gaaatatggc aaaatgttaa tagttttccc tggaatagga taataggcaa ttttaaaaca 360
gactccttta aaaaaacaaa caaacaaaaa aaacatagac ttctttatat cttttgagct 420
ccctcccttt tattatgtaa tgaatatgtg ttgcttttgt aataggaaaa taataaagtt 480
aaaatttcaa ctgcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaanccn 548

<210> 1236
<211> 866
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<400> 1236
tgagttcctg tgtgcctgtc acccagcccg gccacaagag gtgctggggg cagtgtccac 60
accccccttt cttaggacgc ctgagtctca gatgtgactt atagggtatt tcttatggca 120
agacagttaa aacaaacttc agcgtctcgt ctgtccttct atggctgtgg cttctgatgt 180
tctaatggcg ttctcgtcag ccggggctga gnaacaaaat aacatagact gtggggctta 240

aacagcagaa acttacttcc catggttctg gaggttggga gtcttggatc accgtgtagc 300
atggtcaggt tcctggtgag ggtgggattc ctggctaacg taacgaaggc tcccctctcct 360
gataccgtgt cactgggggt gaggcttcaa cacaggaatt ttgggggggac acatcagcat 420
tcactccatc acaggtggtt agccctttaa tccacgggaa ttttgttttgg ggttgtgtga 480
gatacgggtc taacgttttc ttttttcaaat acgtagccag ttgtcacatc atttattgaa 540
aaaggaatct tttctccacc gactgacatg aaatgctacc atcatcgtaa ataaaattcc 600
cgtaaatact tgctgtctct gctgtctcag tcctgactca cgggctgagt tctctttctg 660
cacagtagca ctggcattaa ctgtgacagc tttacagcag gctccctccc cgaggccgtt 720
cagaagcatt cctcagcggg tcctacacgt ttcctctccc atgtcaagtt taggaagcag 780
tgtcaagacc cacagcagtc ctgcgggagt tttaagggat gcacggagtt tatggggaca 840
gtttgggraa attgacattc atgtgg 866

<210> 1237
<211> 799
<212> DNA
<213> Homo sapiens

<400> 1237
gaaaagtgtg gaggctaggg caggcaggtt gttaggactg aaggtttgcc cattctgctg 60
cctccatctc agctccagct ccatcccccc ctccacagaa agcagttggt gacacgaggt 120
tctatacttt tcttctgttg ctctcttgac ttaacgtgaa aacagggtat atttgaacaa 180
actgtctgtc ccaggcaggg gctgggcagg gcctgtgtgc cttgctcagc ctcctgacag 240
gacacttttg ttgcacttag aatttacatt ttaatggatg taaaaacaac tgtgagagat 300
gtctgggcct gcagaagtcc agcattgctc aaaaaagcgt gtgttctagt gaacattttc 360
atatatattt attggttata gcctgttaaa atattttctt ttttgtatta tttatccccc 420
tacattatgt atttatatga gggaaaaaaa ggaaaaaatt gtacttttct agtatttacc 480
tgttacaaag gacattgtgt ttcctgtcat gtaaaaccag ctattttagt tactattgta 540
ctctagaaaa gagctgtaga tttatgttaa actcgtactt acgaacaatt gtaattagtt 600
ctaaaaggca tgaactcagc tcctaatcgt cactgtatag tcctgaattt gtagaactag 660
agttaattcc ctcttggaac tttctttgtt cttcagtagt tacttttttc cttacctaaa 720
agggttgtct gtcaaacaat tcttgaataa actttctgtt atcaatttta aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaa 799

<210> 1238
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (672)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (675)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (700)
<223> n equals a,t,g, or c

<400> 1238
ggtattactg gagaattgtc catatttaat ataatttaac tgtctttctg aaagaataaa 60
gaagttttta tttttatttt ctttaggtag aacaaaaccg aataaaacta ctaaatgata 120
aagctgttgc tacatcacag cttcagaaaa aacttgggca gcttctttac ctaactaatt 180
tggagaaggt attgtttcta agacatgcta ctttttccta tgctgcatta tcataaacca 240
ctttagtgac tcctttcata attaatggtg caaattgttg taattagtat ttggtgttat 300
atgagtcaag aacactacct atgtctctac aatagcttcr agatcacaaa agaatattgt 360
atctatagaa atttattatg cagatgatat agaaggcatg cactcgatag tagagaacaa 420
tgtaaatgga ctgtagttca aagccttgaa tagtaaaagt attaaaacat atctcggtga 480
aactggcata atgcaattta tcacatgcat tcattcatca atacaaaaat atggtgnaat 540
ttggtatttg aaactgaagt gtggttcgaa agctactaaa tcagagacat ggnaataaaa 600
ggagactcaa atattagtaa ntcaaaacac atgtctgggt atgacngaga ttatccggca 660
ctggtgaatg gnggncattg ttaaaataat tcatttttgn cggaaaaatt tgtaattga 719

<210> 1239
<211> 339
<212> DNA
<213> Homo sapiens

<400> 1239
agtctgcctc agcctcccaa agttataaga ttttttttcct ctggttttta gtaaatgttt 60
tttttgagat tgcttagcac cagaatgatt tgcaaatttg aaaataggaa ctccactagg 120
aatgccggat agaagagtgc ttcacatttg tagagggaga caagaactaa atatcacgac 180
gtctttctga gccttttggt ttgctaacgt gccccaaatt cttattccaa acggtataag 240
ataattatgt gtaaatgaat accagctcta cttagtttta tttcatattt gtgtatckga 300
tatattaaaa tatctttttt ttttttttga aaaaaaaaa 339

<210> 1240
<211> 229

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<400> 1240
gcaggcgtga gccactgagc ccagcctact tttmagtttt waacataatt tttgttttat 60
ccacaacttt tcaagtattg aaagtagaat aaaaacatgg gttcttagtc tttrgctatc 120
tgttgaagcc tatgaatgcc ttcttaaaat catgttttta aatgccttaa atatatngga 180
ttacaaagga atcttattat tcgaaatacg gtnttaaaat gtttaaaaa 229

<210> 1241
<211> 1075
<212> DNA
<213> Homo sapiens

<400> 1241
gccccagctc gtgccgaatt cggcacgagc agtttttaac ataatttttg ttttatccac 60
aacttttcaa gtattgaaag tagaataaaa acatgggttc ttagtcttta gctatctgtt 120
aaagcctatg aatgccttct taaaatcatg tttttaaatg cataaaatat ataggattac 180
aaaggaatct aattatatcg aaatacagtt attaaaatgt taaaagataa gtttgttata 240
tattaatatg catgcttctt tataaatgca ttaaataaga gttaatagct atcctaaatt 300
tgaaatagtg ataagcataa tgaaaataga tgcaaaaaac taatgtgata tgaaaatatc 360
tgggtttttc ttttgatgat gaagtattgc taatattacc gtggtttatg aactatgttc 420
agaattgaag aaaatcctaa ctttcagtta gaggttagtg acggggttca ggacacccta 480
cacaaaatac agcactttga catattgaat attttaagct gaaggcattt gaggaaattg 540
cagaagcagg aaggtgactc tgaccttctg cctgctgttc tccccagaag cagccataaa 600
acctgggaag gattttctga ccttcccctg aagtagatca taagactgtc atgtaagagg 660
tgctctcctg gcacccagag aaaaggagca tccttacctc caaaagcaca gggacacaaa 720
gaggaatcta aacaaacagg cctctcagtt tcccccagtt tattacattt agcttgttca 780
cactttgccc tatgacattt ctacatcact ggctgctctt catcaaacct actataaaaa 840
acattcaagt tcaactgttt ctttgggcct ttatttcctt atggagsccc tcgtgtcgtg 900
taaaacttat attaaataaa tgtgcatgct tttctcttgc taatctctct tttgttatag 960
agatctcagc cctaaaccta ggatggatag aaggaaacat atgttctccc ctacattagt 1020
aaaaataaaa atggaatttt ttacccataa aaaaaaaaaa aaaaaaaaaa aaaaa 1075

<210> 1242
<211> 336
<212> DNA
<213> Homo sapiens

<400> 1242
gatgggattg tacactttct ggttctctct caagtccaac cagtatgtgg taacctgtct 60

cttcccactt catttgtggc actggtttgc agtggacaaa aggtccgtgc tcctcttcta 120
acctaatctg gactgggttg cccaaaggtt gccctgccac actgccaagt gcctaattag 180
ctgttttctc tccaacccct ccaaacactt atcatgagta atttctcttg tctttakagt 240
tgccaaatst aatctctgta aatacaaatg tggtgagact tcttctcagg agtttcagca 300
aatgaaacaa taaactcttt tttaccctga aaaaaa 336

<210> 1243
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (750)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (752)
<223> n equals a,t,g, or c

<400> 1243
gggtcgaccc acgcgtccgg aatgttttgg tgaataaatc tgttcttcag caaccctacc 60
tgcttctcca aactgcctaa agagatccag tactgatgac gctgttcttc catctttact 120
ccctggaaac taaccacgtt gtcttctttc cttcaccacc acccaggagc tcagagatct 180
aagctgcttt ccatcttttc tcccagcccc aggacactga ctctgtacag gatggggccg 240
tcctcttgcc tccttctcat cctaatcccc cttctccagc tgatcaaccy ggggagtact 300
cagtgttcct tagactccgt tatggataag aagatcaagg atgttctcaa cagtctagag 360
tacagtccct ctcctataag caagaagctc tcgtgtgcta gtgtcaaaag ccaaggcaga 420
ccgtcctcct gccctgctgg gatggctgtc actggctgtg cttgtggcta tggctgtggt 480
tcgtgggatg ttcagctgga aaccacctgc cactgccagt gcagtgtggt ggactggacc 540
actgcccgct gctgccacct gacctgacag ggaggaggct gagaactcag ttttgtgacc 600
atgacagtaa tgaaaccagg gtcccaacca agaaatctaa ctcaaacgtc ccacttcatt 660
tgttccattc ctgattcttg ggtaataaag acaaactttg tacctcaaaa aaaaaaaaaa 720
aaaactcgag ggggggcccg gaaacaaacn gn 752

<210> 1244
<211> 764
<212> DNA
<213> Homo sapiens

<400> 1244
aaaattagac acactttaaa ccttcaaaca ggtattataa ataacatgtg actccttaat 60
ggacttattc tcagggtcct actctaagaa gaatctaata ggatgctggt tgtgtattaa 120
atgtgaaatt gcatagataa aggtagatgg taaagcaatt agtatcagaa tagagacaga 180
aagttacaac acagtttgta ctactctgag atggatccat tcagctcatg ccctcaatgt 240
ttatattgtg ttatctgttg ggtctgggac atttagttta gtttttttga agaattacaa 300
atcagaagaa aaagcaagca ttataaacaa aactaataac tgttttactg ctttaagaaa 360
taacaattac aatgtgtatt atttaaaaat gggagaaata gtttgttcta tgaaataaac 420
ctagtttaga aatagggaag ctgagacatt ttaagatctc aagtttttat ttaactaata 480
ctcaaaatat ggacttttca tgtatgcata gggaagacac ttcacaaatt atgaatgatc 540

atgtgttgaa agccacatta ttttatgcta tacattctat gtatgaggtg ctacattttt 600
aggacaaaga attctgtaat ctttttcaag aaagagtctt tttctccttg acaaaatcca 660
gcttttgtat gaggactata gggtgaattc tctgattagt aattttagat atgtcctttc 720
ctaaaaatga ataaaattta tgaatatgac ttaaaaaaaa aaaa 764

<210> 1245
<211> 368
<212> DNA
<213> Homo sapiens

<400> 1245
ttttggtgat tccgtagtca actatcgtgt tgccttagct ctctttcaag tcacaaacac 60
agctggcctt aagtatttat ttaagcatct ttatattcct gtttacttta aactccttga 120
attagccatg caataatttg ggtatgttgt attaagagct ctaccacatt atggttcagt 180
cattgtataa ttaaacatga ggcatcaaga atcaaaagtt actgttttac ttgcctgctc 240
tctccattgt gtcattttac attttagtag tactgtgttt tgtttattaa aaaaagtaaa 300
tcaacatata ctatgaggtg gaaaatggta cagaggccaa atcattctag tccggaggtg 360
gcatttcc 368

<210> 1246
<211> 511
<212> DNA
<213> Homo sapiens

<400> 1246
ggcacgagga gaaaactacc tatgacagtg ccgaggagga aaataaagag aatttatatg 60
ctgggaaaaa tacaaaaatc aaaaggattt acaaaactgt ggcagacagt gatgaaagtt 120
acatggaaaa gtctttgtat caggaaaatc ttgaagcgca agtgaaacct tgcttagagc 180
tgagtcttca gtctggaaac tctacagact ttaccactga cagaaagagt tccaaaaagc 240
acatacatga taaagaagga actgcaggaa aagcaaaagt aaaatcaaaa agaagacttg 300
agaaagagga gagaaaaatg gaaaaaatta gacagctaaa aaagaaggaa acaaaaaacc 360
aggaagatga tgtagaacag ccatttaatg acagtggctg tcttcttgtg gataaagacc 420
tttttgaaac tgggttggag gatgaaaata actctccatt ggaagatgaa gagtcattag 480
aatcaataag agcagctgta aaaaacaaag t 511

<210> 1247
<211> 431
<212> DNA
<213> Homo sapiens

<400> 1247
cggaggaaca ggttctgaat gccgcgctca gggagaaatt ggctctcctt gccgcacatg 60
ctcgagcccc gcacccaaag gtgatggggt ctgggcgtgg ggcttcctcc atgtaccccc 120
ttacccggat ccttcctccc aaagtgtaac cttgctttgg gcccaacctc ccaacaggag 180
ccacctgggc ctgggccaga catgaccatc ttgtgtgacc cagaaacgct attttatgaa 240
tctccacacc tgaccctgga cggtctgccc cctctccgac ttcaactccg gccccgccct 300
tcagaggaca ccttcctcat gcaccggaca ctgaggcgat gggaagcgta gaccccaaag 360
atccctggag ggctagttcg tatttttgtg ttaaactatt tgttagaata aagtaatttt 420
gctaataaaa a 431

<210> 1248

<211> 2058
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1962)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1964)
<223> n equals a,t,g, or c

<400> 1248
cccacgcgtc cgcccacgcg tccgcccacg cgtccggatt catctaaacc cattgtaaga 60
gagtcatgga tgactgaact tcctccagaa atgaaagact ttggtcttgg gccaaggact 120
tttaagagaa gagctgatga cacatctgga gatcgatcaa tctggacaga tactccagct 180
gatagggaaa ggaaagctaa ggaaacacaa gaagcaagga agtcatccag taagaaagat 240
gaagaacata tattatcagg aagagataag agactggctg agcaggtatc ttcatacaat 300
gaatcaaaaa gatcagaatc tcttatggac atacatcata aaaagttaaa gagtaaggct 360
gctgaagaca aaaataagcc tcaagagaga ataccatttg accgtgataa agatctcaag 420
gttaatcggt ttgatgaagc tcagaaaaaa gccctaataa aaaaatctag agaactaaac 480
accagatttt cacacggcaa aggcaatatg tttttataag gggatttccc tgtgcaatga 540
agaaaagttg aagaatactc tttgtccatc tttatttctt tgtttttggc ttcttaagat 600
tagagattac tttaatctta aaaaacatac aaatttacct tgttctgtat gtccttttaa 660
ggtcatgtgg aaacataaaa cgaatgtttt ttatgtagaa cagaatattc tatgtgcctt 720
tagcttctgt ggaagtatgg ggaattatgg gcttttcttc aaataattat tttaagaggc 780
ttccattccc cctgattttt gtggtgtctc acaagtaccc tctaaggtct ggtcaggact 840
gaccaccaaa tctctaccac agcctggacc tccttgtgaa atatacctaa cctgccctag 900
agtcagtgtg tcaagtcctt cctgtaaatc catgactttg aaatttgttg ttttttccct 960
ttaaactgca gccagtgaat acaaatttac ttgaaaatag agggtatggg gttttgcctg 1020
ttttgtaatc agtttgcttg ttttagcact cagggctttt tatttgttat ttaatttttt 1080
aattgttttt aagtcagaaa gatctctggg ttatctcatg tgctaaggaa aaactatttt 1140
gctytttcca actttaatag ttagtatttc taggggaggc aatcaagata agatatgcca 1200
ttaactgtta gcattgtgaa atctgtaaga ctcaatctct gatctcaacc aaagctttct 1260
gagtcctgga actttgcttt gggacaactt tactttaccc atttatatgc tgtacttaac 1320
agtttgtagc taatttatgg ggtcatatct tttttttagc taatttacgg gggtcatatc 1380
agtcatgaat agccttttt aaaaatttaa taatccctga atacaaaaat ggaaatggaa 1440
aatttataat cataaccccc ctaattggga gtattataag tttgtaatgc tttaagcact 1500
gcctcttaag atgataaatt tataagatga gaaattctat ttaaactatt aaactattgt 1560
taaataaatg ccaattctat aagttatatt ttcttgcaga ttaatcccaa ttgttccact 1620
agtattctag ttttgaagag actggctgag caggtatctt catacaatga atcaaaaaga 1680
tcagaatctc ttatggacat acatcataaa aagttaaaga gtaaggctgc tgaagacaaa 1740
aataagcctc aagagagaat accatttgac cgtgataaag atctcaaggt taatcggttt 1800
gatgaagctc agaaaaaagc cctaataaaa aaatctagrg aactaaacac cagattttca 1860
cacgggcaaa ggcaatatgt ttttattaag gggrtttccc tgtgcattga aggaaagttg 1920
aagrattact ctttgtccat ctttatttct ttgtttttgg gntntttagg tttggggtta 1980
ctttatctta aaaaacatac aatttaccct gttctgtatg gtcctttagg gtcagtggga 2040
acataaacgg atgttttt 2058

<210> 1249
<211> 943
<212> DNA
<213> Homo sapiens

<400> 1249
ctgcattctc tcggaagtca caccttatac cacatcaaag gacacatacg ggtgagaaac 60
cctatggatg cagtgaatgt aggaaggcct tctctcagaa gtcacagctg gttaatcatc 120
agagaattca tacaggagag aagccttatc gatgcattga mtgtgggaaa gctttctcac 180
agaagtcaca gctcatcaat catcagagaa ctcatacagt aaaaaaatcc taggaataca 240
gttaatagta gtctttgaca gatcatcttg gacttcagga aatgcaatta tgataacgtt 300
tgtagacagt cacgtcatgt taggtgtctg tactccatga ggatgagaac tctaatgagg 360
tggtgtatgg aaagccgatc ataattcmta grgtagagkg aacctwtgac tgcagtggat 420
ctcaaaaact tttaaaacca tagacaagcc ttatagagta gaacattcac agcaaagaag 480
aatcctgtga atgtccaaaa gccttccaga agtcaagtct cttaagctat tagaaatatt 540
cccactgggg atgagggaaa accccatgaa tgcgggaaat gaggcaatat ttttaagaaa 600
tgacagttca ttgtacataa gaaaatgctc ttaggaatga agttctatga aagtactaaa 660
tatgggacag tgcaacaagt aaccagacta ttttgtattt tggagaattc atattatgga 720
gaacctaaca atttaaagac actgggaaca cttgcccctc agtatagtac tgtcaaggga 780
agccatacac tttttgtaga catgggtacc aaaaataccc aattctaagt ggttgacaga 840
tgttcacttt gaagtgtgaa gttttaaaaa tacgtgaata aattggttat tgaaacatct 900
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aag 943

<210> 1250
<211> 2231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1918)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2214)

<223> n equals a,t,g, or c

<400> 1250
gcggccgcca agcgatccct gctccgcgcg acactgcgtg cccgcgcaca gangaggcgg 60
tgacgacttt acggcggcac ggtaagtgcg tgacgctcgt cagtggcttc agttcacacg 120
tggcgccagg aggcaggttg ctgtgtttgt gcttccttct acagccaata tgaaaaggcc 180
tagtaagtgg ggtcgagtcg cgggcgtgga gggacccacg tctggaagtt gctgcagcca 240
ccacgacgct cttctacggc tacggctttg tctctgctgg tatgggggtg ggagcctacg 300
cgtaggcctt ggccctattt cctggtagaa ccgagagttg gaagtcccta cggcgatcat 360
gttaaccgcg cgggctcatt ctgcggaacg aagccgggca gagggtgggg aagactaggc 420
tagattttcg taaggaagca gcgtctgagc caggtttgag gcccaatatt ttctttccgt 480
ggscacgtgc agactggccc aggtgagagc tgagaatcgc ctcccagact cagtgttcct 540
ctcctgcctt atgattcgtg ctgtttgaca cgaaggtata ntcgttttgt gtctcatacg 600
ctgttgtgta tgatcccatt ctaatattgt gagggtaagt gcagggaatt ttgactccat 660
tctggatcta ctgaatttaa ttctctggga tttgaaagta gcacgtatgt ttgcattagg 720
catttcgcat tagacttaac gttaggtttg gtagccaatc acacaagaaa aggatataac 780
tccatagtgc gttaacccag aactaatcat ttgggttaac agatttgtga tgtgtttctt 840
tgtagagtta aagaaagcaa gtaaacgcat gacctgccat aagcggtata aaatccaaaa 900
aaaggttcga gaacatcatc gaaaattaag aaaggaggct aaaaagcggg gtcacaagaa 960
gcctaggaaa gacccaggag ttccaaacag tgctcccttt aaggaggctc ttcttaggga 1020
agctgagcta aggaaacaga ggcttgaaga actaaaacag cagcagaaac ttgacaggca 1080
gaaggaacta gaaaagaaaa gaaaacttga aactaatcct gatattaagc catcaaatgt 1140
ggaacctatg gaaaaggagt ttgggctttg caaaactgag aacaaagcca agtcgggcaa 1200
acagaattca aagaagctgt actgccaaga acttaaaaag gtgattgaag cctccgatgt 1260
tgtcctagag gtgttggatg ccagagatcc tcttggttgc agatgtcctc aggtagaaga 1320
ggccattgtc cagagtggac agaaaaagct ggtacttata ttaaataaat cagatctggt 1380
accaaaggag aatttggaga gctggctaaa ttatttgaag aaagaattgc caacagtggt 1440
gttcagagcc tcaacaaaac caaaggataa agggaagata accaagcgtg tgaaggcaaa 1500
gaagaatgct gctccattca gaagtgaagt ctgctttggg aaagagggcc tttggaaact 1560
tcttggaggt tttcaggaaa cttgcagcaa agccattcgg gttggagtaa ttggtttccc 1620
aaatgtgggg aaaagcagca ttatcaatag cttaaaacaa gaacagatgt gtaatgttgg 1680
tgtatccatg gggcttacaa ggagcatgca agttgtcccc ttggacaaac agatcacaat 1740
catagatagt ccgagcttca tcgtatctcc acttaattcc tcctctgcgc ttgctctgcg 1800
aagtccagca agtattgaag tagtaaaacc gatggaggct gccagtgcca tcctttccca 1860
ggctgatgct cgacaggtag tactgaaata tactgtccca ggctacagga attctctngg 1920
aatttttac trtgcttgct cagagaagag gtatgcacca aaaaggtggr atcccaaatg 1980
ttgaaggtgc tgccaaactg ctgtggtctg agtggacagg gtaagcytyc ttttctgttg 2040
gcattttggt gaccactaga ataaaccttc ttttgacaca tcttattttt aatatcagtg 2100
cctcattagc ttactattgc catcccccta catcttggga ctcctcctcc atattttaat 2160
gagagtattg tggtagacat ggaaaagcgg cttcaatctg ggangtactg gganaagatc 2220
aattgcacag a 2231

<210> 1251
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 1251
ctgagagaaa ggaatgaaag gatggaagaa ttacaagatc aggcactgct gtstgtctgt 60
tccacggatg taaccacagc acacgcgtgg ctcacggtac tagtgtgata aatgcttgtt 120
acatgaaggc gtgaacaggg atgagaagag acttcctgga gaaacaaaag gactaacaat 180
caggaagggg aggtgatcgg ggcaggagta aagtggacac ctcagcaaag ccattcgctg 240
tgatctctga ttgtgcagtg tcatgtcctg tncaccagag ccccctcgtg tttgatgttg 300
gccaatgccg ccagcatgat ctagcaggcc aawtcctwat ytaccattct yttgacacca 360
gctggtccct gggttcgtnc cacccgatgt tcccnctttt tccccatttg gg 412

<210> 1252
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 1252
gcttggaggc tttggcatcc tgagagcctg cctgggggga ctgtcaagtt gccaagggca 60
aggagagggt agccaactgc ctcctccacc tggctgctca gccaggtctc cctgccttca 120
aaggacattt ctttggtcag gaattgacaa gaatgagccc agagtcatcc accccaaggg 180
tgtgtggcaa ccatcccttg ctcaacaccg aaagctgtag aatcatagtg gggaaagaag 240
caacttcttc agaagcagtt gtctaatgag cacagcttgg aaagaccttg gttcttctgg 300
atcatcactg gggggatatt tcgcanaaca agaaattgca tgccccgtcc atcatgttcc 360
acccccngcc caggccaccc cgattgatct gcccgggctc tctccttcca ggaagt 416

<210> 1253
<211> 2735
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (74)
<223> n equals a,t,g, or c

<400> 1253
cagttttaaa atgggatttt gagaatggac ttaactttcc tggaatccaa tgctcctgga 60
gatttatgac tttnccagcc atcagccagc tatctagaga agatttttgt ttttcttttg 120
caacagtttc ttcagtcaac tcattcactt tcaaatagga gcagcacttt gaaatccttt 180
ttcttcactg tggattaaaa acatccaaga agccatctct gtcaagcaga attgtcatct 240
gtggtaataa gtgaccatgt cctaaatacc tttttcttag tgaggagttg gtcattgtct 300
ttgggcatct gcaacccctg ttcaggcatg tgacctgcta aagaaataca gcctacacta 360
ccttgactac tggggaaaat gatacttcgt aaaatgtaat aaggcaacct gttccttggc 420
ctttatctta tgttttccaa ctattactgt atctgttatt ggtctactat tacaggatga 480
ttcttcttcc tccattgatc tcaactaaat atgaattagg gtcatgcatg aaatctgaac 540
tgccgtgtcc tgagttatgg ttaagaggta tgtgctgcca ccccatgcat gtcttcccca 600
tccccatagg attttaaagt gttcaggtac caaacacagt tctgtgtgag gttttatgcc 660
tacttcctca acaccaattc agaggcaaca cctgtgcatc tgtcccacca aaggtgcttt 720
aatacctacc ttcactattt gagaaaggac actcacagtt gcctgtgggt tatgaaagaa 780
ttggccctac gtcctgcatg taagatgtta caggggacat tgggccaggc attattatat 840
agagaagtct tatttgccaa gctctgacta acttctggat atgaaaataa ggaacttgcc 900
cagcataggc ctataggcag cagccttact agtaaatctt gccacagaat cacttgaagc 960
tagacagaga aagaagttca atttaaatat ttgtcccatt gtttgtgatt aggatgtaag 1020
ctttgtggaa tgtaattaac cctgctttac gaagtcacca tattataata ggaaaaacac 1080
tgcctaggag gcaagagatc tgaattccag ttctgatgct gccactgtgt aaggaagtag 1140
ttttataacc catgggcaaa tcatctgagc tttctcatct gtaaagttag ggagaggaat 1200
taattagttg atctgtaaaa taatcagctt caaaacgtta tggctaaatc tgtagaatgt 1260
atgcccaatt gctaaacgga tgttgtgccc agaattttat ctagtgacta cctcaacata 1320
caggccaagc gttacctaca ccaacaccca agccattaat ttgaggtgcc atgagaatag 1380
gtgaaccaca gcctaacacc atttaggttt ttgtgttttt ttcaggcttg cctctactta 1440
aatatattta gatgagagag ttctcttaga cttctttctt tgtaaggaag ggttatttgg 1500
ggaagtgttg gaaaaaagat tagggcaggg taccttagt ttatataggg tacaaaagaa 1560
tgggaaacat cttccctttc ttctttaatc tctgaagtca tgtttggaat tacatataat 1620
gtagcaggta ctggagagga cctgaatttc aagcttctga tttagctgtt tgtaaacttc 1680
caagttttgc ttgactaaag aatgctgatc ttttttggga gtctgatctc cttctaatat 1740
cagaaagtgc tttttatatt ccagattgct tgaattaaac tgtttggatt aaagaacata 1800
tatggagttt cctctctggt tttaaataat ctttctttat tcagtagcta ttaataattt 1860
atctcatatt cagcgaatat ttattgagaa tattgttgag aatctcttac atgccaggca 1920
ctatactaag ttaatatgca ttcagtatac cagttggtgt gacccagacc aaaggtaaca 1980
caaagatgaa tgagaattcc ttcaaggcgc cgataatcct agtaggagag ctaagacaca 2040
aaactgttgc atgtttttaa tcatcaaatt aaacttcttt ccacgtcctt atcttctttg 2100
gcatcctttt gcaagatttt ttttaactac caggcttaaa ataatgaggt cccagagcac 2160
ttactggctt cgagtacact ttatttaagc agttactagt ttaaaagcac ctgtaataac 2220
actgagatca tcatcatcaa attgccaccc aacaagccta gcttcttgca gaaaagttaa 2280
cttggataac acttggctaa gttttctgac taatgctgga tcaggtagaa attctttagt 2340
actaaagtca aaaaacacta attgcttaag attctcaaat acacccatga aggcaagcca 2400
tccatcactg ctcacacgat ttcccgccaa attcaactgc tggaagtttt tcagagggtt 2460
ctttccaaaa aatgcaccta aaattctaat ctctgtatct gtgagtctcc agtttttcaa 2520
cccaagcttg acgagttgtg ggacctcctc caaatgtttc aacaagctgc tcaggctgcc 2580
ttgcacgtca cagccccagg gcagcatcag tgcggtgagc tgttctagca cgttcatcct 2640
gtcgatcagt tcatgaagag cttcatttcc atctttttcc aggtaatttt ctgataaatc 2700
aagaatgctc agtttgacca aattgtgctc gtgcc 2735

<210> 1254
<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (682)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (683)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<400> 1254
gggtgctttc cacaacatgc atcgagacca tcttggagca tttacttttg aagcattttg 60
tttaagaccc cggataagaa aatgagggca aaagaggtga agtgacttgt ccaagatcaa 120
cagtgaatta ttagttggaa cgccagcctg atactcctag ctatatctca ctggaaaagc 180
attggagaaa atgaaaccat tttaatattc taagcttaaa taatagttat tataggcgtg 240
agccaccatg cccgaccagt ttctgctttt attaaaattg ttcacagttt tatacattca 300
tgttcattaa aaatgctatt tagaaaagag tttgataaaa taaatattat wcaaaattcg 360
aagaaaaaag aawagagttt ctgtttcagt cacaaattag ggttattgtg atgtgtattt 420
atgatgaccg ttgaacaaat gtgaagaata ctgtgaattc tatgacttta tcaaaatcag 480
ccacatccag gagcttgcag ttgttgacca aatgaatgat gacatagagt agttcagatc 540
tatcatgtgc tcttctatct aatcagtcaa tatttccttg gccctcaagc caacattcat 600
tttttatgna taccttcttc atgattttga aattttgata ggggtaactg nttaatggag 660
ttcccaaatg gtagcacttt tnnaacccga ant 693

<210> 1255
<211> 462
<212> DNA
<213> Homo sapiens

<400> 1255
gctgtgtcca tgatgctttt aataaaaaca acccccactg cagtctcacc ctccaagtgg 60

gtgtgggagg ccgggctggc cagcagaagc ccccaggcct ggactccatc catctgctca 120
gacaacagca gggagagcgg gggtccaggt ggggcagctc cctcccttcc acccctctcc 180
gcccctcctg aggccccatc aggagcagga cccctgtgcc tccgtggtct tgccctgttt 240
gcaggcagca tgtggccctg cagtcacaca gcctggagac accacgagtc ctggcggcct 300
gtgtgcaraa aggcacctac ggcyctggaa gcccagttgc ggaaggaggt tgggggaggg 360
acgccgggag ggaggtcatg cagcctctgt ggccagcacc accctgacgg tgccctggag 420
gtggctgtca cctgaccgtg ggcagaccca cagagcaagg cc 462

<210> 1256
<211> 1037
<212> DNA
<213> Homo sapiens

<400> 1256
gggaaagctg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc cacgcgtccg 60
cggacgcgtg gggcaagact tttgcccgct acctttcatt ccggcgtgac aacaatgagc 120
tgttgctctt catactgaag cagttagtgg cagagcaggt gacatatcag cgcaaccgct 180
ttggggccca gcaggacact attgaggtcc ctgagaagga cttggtggat aaggctcgtc 240
agatcaacat ccacaacctc tctgcatttt atgacagtga gctcttcagg atgaacaagt 300
tcagccacga cctgaaaagg aaaatgatcc tgcagcagtt ctgaggccct atgccatcca 360
taaggattcc ttgggattct ggtttggggt ggtcagtgcc ctctgtgctt tatggacaca 420
aaaccagagc acttgatgaa ctcggggtac tagggtcagg gcttatagca ggatgtctgg 480
ctgcacctgg catgactgtt tgtttctcca agcctgcttt gtgcttctca cctttgggtg 540
ggatgccttg ccagtgtgtc ttacttggtt gctgaacatc ttgccacctc cgagtgcttt 600
gtctccactc agtaccttgg atcagagctg ctgagttcag gatgcctgcg tgtggtttag 660
gtgttagcct tcttacatgg atgtcaggag agctgctgcc ctcttggcgt gagttgcgta 720
ttcaggctgc ttttgctgcc tttggccaga gagctggttg aagatgtttg taatcgtttt 780
cagtctcctg caggtttctg tgcccctgtg gtggaagagg gcacgacagt gccagcgcag 840
cgttctgggc tcctcagtcg caggggtggg atgtgagtca tgcggattat ccactcgcca 900
cagttatcag ctgccattgc tccctgtctg tttccccact ctcttatttg tgcattcggt 960
ttggtttctg tagttttaat ttttaataaa gttgaataaa atataaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaa 1037

<210> 1257
<211> 1271
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 1257
ttcagtcaac attcacgtct tgcagtgcat cggagaattc atactggaga gaaaccttac 60
aaatgcaaag aatgtggcaa ggtcttcagt gaccgttcag cttttgcaag gcatcggaga 120
attcatactg gagagaagcc ttacaaatgc aaagaatgtg gcaaggtctt cagtcaatgt 180
tcacgtctta cagtgcatct gagaattcat agtggagaga aaccttacaa atgcaatgaa 240
tgcggcaagg tctacagtca gtattcacat cttgtagggc atcgaagagt tcatactgga 300
gagaaaccat acaaatgtca tgaatgtggc aaagcnttta atcagggctc cacactcaat 360
agacatcaga gaattcatac cggagagaaa ccttacaaat gcaatcagtg tgggaattcc 420

tttagtcagc gtgtccatct tagacttcat cagactgttc atactggaga cagaccttac 480
aaatgtaatg agtgtgggca aaacctttta aacggagctc aaacctcact gcacatcagr 540
taattcatgc aggaaagaaa ccatataaat gtgatgaatg tggcaaggta ttcaggcata 600
gttcacatct tgtaagtcac cagagaatcc acactggaga gaaaagatac aaatgtattg 660
aatgtggcaa agcctttggg cggttgtttt ccctcagcaa acaccaaaga attcattctg 720
gcaaaaaacc ttataaatgt aatgagtgtg ggaaatcttt tatttgtcgc tcaggcctca 780
ctaaacatcg aataagacat actggagaga gccttacaac taaactcaat gtgacaaggc 840
cttagacgtt gtcctagttt ctggaatcac cgaataattc ctacttactg atataccttg 900
tatatttacc ccttctcttg aaatccctgt ggaattgtaa tctccagtat tggaggtggg 960
gcccattggg aggtgattga atcatggaag tggatttctc aaactgagaa agatgtagcg 1020
tcatcccctt ggtgctgtcc tggcaatagt gacttctctt gaggtctggc tgtttagaag 1080
gcatagcact tccctgtcgc ttgccctcat tctcaccatg tgaaataccg acacccgctt 1140
tgccttccac catgatttta accttcctga ggcttcccta gagggtgatc agatgccagc 1200
accatgtttt catttaagcc ttcagaaata tgagccaatt aaactctttt ctttatacat 1260
taaaaaaaaa a 1271

<210> 1258
<211> 849
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (806)
<223> n equals a,t,g, or c

<400> 1258
ggtccgcgcc ctgtcgggct gagcgagttg gcccacagag ccggcgcgct cccgcctgca 60
gggggagagc agacgggcgc ggggacggcc aggcgcggcg ggtgctgttt ctgtttcact 120
ttccttcact ctgaggccgg cgcgctggcg ggcgaggagc ggcggcggtg gcgctgkaca 180
tgggaaagcg gaaccaccaa aaggagtgat gatcaacgat ctcatgataa atctggatgc 240
tagttctcat gcctcaggac atcctactgg gaacgacaca ccagctcctg ggatcagact 300
ttcatctact taggacccct ctttgcccag actactaaag ccagtcttca ctagccacga 360
atggctaccc aaaggaaaca cttggtgaaa gattttaatc cttacattac ctgctatatc 420
tgtaaagggt atctgatcaa gccaacaaca gtgacggaat gcctccatac attctgtaag 480
acttgtattg ttcagcactt tgaagatagc aatgattgcc caaggtgtgg caaccaagtt 540
catgagacaa atccattaga aatgttgagg ttggacaata cattagagga aattatattt 600
aagctggtcc ctggactacg rgaacaagaa cttgagcgtg aatctgaatt ttggaagraa 660
aataagcctc aagraaatgg acaagatgat acttcaaaag ctgacaaacc gaaagtagat 720
gaagaaggtg atgaaaatga agatgataaa gattatccac aggaagtgac ccacaaattg 780
gctatctgtc taggttgttt tacggnatta atggggccat tcgggggaca tgttggtaaa 840
gggttttaa 849

<210> 1259
<211> 622
<212> DNA
<213> Homo sapiens

<400> 1259
ggaatttggc ccatccaaag actggccaag tgccaaaaaa aggcctgatt aggccctgaa 60
attcagtgaa attctgcctg aagaaacctc ttattgaatt tgaaaaccat aaaccatttc 120

aggtgagctt atgggtttgt tttgggtttt ttttttttt tttaagtctc tggcccaatg 180
tacgtgggat tagattctgc aagcaggcag cagtaagtat aagctaattt ctgtctataa 240
aaagaatgat taaaaaaaat cattttgttg atgtgtggaa tagagattat cacacacatc 300
attaagtggt aatgtgatga atgatcacaa aacgaacagt cttataccca gcacacagat 360
cagaacaaag taactatcaa gcaccttcaa tgccccctc akgcctcttc ggattawtaw 420
tgcawccttc ctatagagag gtaagcacct cttgattatc agcaccatgg gagatgtttg 480
tctgattttg aacttctgta aatgaaatca tatagtatat actctttgga atctgttgtc 540
ttttgtagag ggaacttttt cattataaat cttatagtag tgttgttcct tcttcccatc 600
aacagtgttc ttttacttaa aa 622

<210> 1260
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<400> 1260
tctggtcccc cagggctcca ctcccgcagc agcccggctc cgtcggcgtc agtggagccc 60
caggcctggn tccgagatga gcgagacgct gctctggctc gcggtcgccc gagcgctccc 120
aaaaccaggg aacaggcccc aggagagaag cccctagaag tttcctggag cagggagtct 180
cctgtatcct gttagctctg caaaggaatc tggactttat tctgagggcc ttggagaacc 240
cctgcaaagt tttttaaaag gtggactaag agattggcat ttcacaacat gactctccga 300
attgaaacac taagaagatt ggcgaaattt aacatttaca gattagtaat ttaacccagg 360
tgactcgcga tgagggacat ggctaccctt cacttttgga gggagtttta agtgatacag 420
atctttttgc caagcaattt ttttttttt tttgagacgg agcgtnnttn t 471

<210> 1261
<211> 647
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (636)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (644)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<400> 1261
gcttnttcta gatcgcgagc ggccaccctt ttttttattt tttcattggt gatgaaagtc 60
tgaaatgtgc atttgtcatc cccactccat caatccctga ccatgtaagg ctttttttatt 120
ttaaaaaaac agagttatcc caatacatta tcctgtgatt taccttacct acaaaagtgg 180
ctcctgtttg tttgatgatg attggtttta tttttgaaat atttattaag ggaaaactaa 240
gttactgaat gaaggaacct ctttcttaca aaacaaaaaa aagggcagaa atcaccccaa 300
ggaacgattt ctcaggttga gatgatcacc gtgaatccgg cttcctctga gcattcgatg 360
gccttagcac ctcatcaagc cagcacatcc tgcctgctgt tgcagcctgg ctgggtttat 420
tcttcagtta ccctaatccc atgatgcctg gaaccttgat taccgtttta catcagctct 480
tgtacttttc agtatatttt cataatgagt tatattgtca tttagacttt gaacagctct 540
gggaaataga agactagggt tgtttcttaa atttagctca tgttataata aaaagttgaa 600
atgaaaaaaa aaaaaaaggg gggccgccct aaaggnccaa gttncgn 647

<210> 1262
<211> 836
<212> DNA
<213> Homo sapiens

<400> 1262
ctcaggaacc tccaatcatg gcagaaggca aaggggagt gagctgtctc acatggccag 60
agcaggaggt agagagggga aggtgccaca cacttacaaa caaccagatc tcaggacaac 120
tcactcagta tcaggagaac agcaccacaa aattgtggtt aatcattcat gagaagcctc 180
ccacgaccca atcacctccc accaggcctt acctccaaca tctgggatta caattcaaca 240
tgagatttgg tgggaacaca gatccaaacc atatcacgca caaattgcaa ttacttcaca 300
ctcacgataa cccattaatc tgtgaaggat taatctgttc atgaaggcag ggccctcatg 360
atggaatcac atcttaaagc ccctacgtct gagtactgtt acattgggga tttagtttta 420
atatgatttt cagagcagaa aaacattcaa accatagcaa tatgtattga atatctagat 480
catttccaaa taagatatta atatgatact gaaacattta ttgctgaaca taaatttaga 540
acttactttg cctacctatt acagaagaac aaaagatatt tgggcctatt aaacctttcc 600
tctgccattt cctgtcctgt gtcataggac taggaatcgt gtttctagaa agtatgaaat 660
cgtgtgcttg cmaacttgga agaaaacagt tcatgactgc ataccttcta gttctctagt 720
gttcactgga aattaaagac actaaaagtt aacaattctt attaattaat catattaatg 780

taattggaat ttctagaaat attaggggaa gcaactttat acgcaaagca taacag 836

<210> 1263
<211> 312
<212> DNA
<213> Homo sapiens

<400> 1263
aattcggcag aggcaaacat taagaaaaaa ggaatatatt agaataaaat agaaaaagtt 60
aaagggcatc acacaaaatt agtctaggta ttattccgaa gcttgcattt tatatgcatc 120
tgggcatgta ctgagctgtg aggtgagatg catctcttac tgtgggctcc aatcaaagtt 180
ttaaaaacay cattttaagt tatgttcagt ggttactgaa tcttttacat aatttagttc 240
tctcttgaat cttcttgtcg tcatagraaa tgtcctatat cmatttttac agctwtaacc 300
atctgatctt ca 312

<210> 1264
<211> 190
<212> DNA
<213> Homo sapiens

<400> 1264
ggagctgact ctgcctgtcc agggcctgca aagtggctga gctcccttcg ggcccatgtt 60
gtgcgcactg gcattggaca agcccgggca aaactctttg agaagcagat tgttcagcat 120
ggcggccagc tatgccctgc ccagggccca ggtgtcactc acattgtggt ggatgaagca 180
tggactatga 190

<210> 1265
<211> 571
<212> DNA
<213> Homo sapiens

<400> 1265
accagtctcg cgacactttc cttggccatg ggagacacac gagaagagac tctcgcaaga 60
aagtaaatga gtcaggctgg aaacagcgaa gtatatctcg cgatacacgt gtttaaaatg 120
gcggcttcaa ggcgtttcac gggtgtcccg gacaggcgtg gaggtggggc gcaggcgagg 180
atgaagcttg agttggccag gagtcggaaa acgattgcag gcgggaccgc gtccgtcggg 240
gctgaggaaa cttagcgtgg cagaccctaa actgggataa ctttagggat atggccttct 300
tttcccagtt gcctcaaact tagagcagcg tcgtctttag ccgaagattc attttcccag 360
cattttcctt ctccaggcgg agtagttgga gacagagggc aagccagaaa ctgaccttcc 420
catctcctca ttcccttcca tcaagaactt ttcatcgttc tttccccacc ctggtttgta 480
aatggtattt ggcttcataa aaacgtttgt ccacaggtgc cctgctccat cagttcgctc 540
cagcaatata ggaagttacc aaaaaaaaaa a 571

<210> 1266
<211> 1474
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1345)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1440)
<223> n equals a,t,g, or c

<400> 1266
ggcgggccca tgaaagactg cgagtacagc cagatcagca cccacagctc ctcccccatg 60
gagtcgcccc acaagaagaa gaaaatcgcg gcccggagga aatgggaggt gttcccggga 120
agaaacaagt tcttctgtaa cgggaggatc atgatggccc ggcagacggg cgtcttctac 180
ctgacgctcg tcctcatcct ggtcactagc ggactcttct tcgccttcga ctgtccgtac 240
ctggcggtga aaatcacccc tgccatccct gcagtcgctg gcatcctgtt cttctttgtg 300
atggggaccc tgctccgcac cagcttcagc gaccccggag tcctcccacg agccacrcct 360
gatgaagccg ccgatctgga aaggcaaata gatatcgcaa acggcaccag ttcaggggag 420
taccgcccgc ctcccagaac caaagaagtc atcatcaatg gccagaccgt gaaacttaaa 480
tactgtttca cctgcaagat tttccggccc cctcgcgcct cccattgcag cctttgtgat 540
aactgcgtag aacggtttga tcaccactgt ccctgggtag gcaactgtgt ggggaaaaga 600
aactacagat ttttttatat gtttatttta tctctgtctt ttctgacagt ctttatattt 660
gcattcgtta tcacccacgt cattcttcgt tcacagcaaa caggattcct aaatgccctt 720
aaggacagtc ctgcaagcgt cctggaggct gtggtgtgct tcttctctgt ctggtccatc 780
gttggcctct caggattcca cacctacttg atcagctcca accagacaac aaatgaggac 840
attaaaggat cctggtcaaa taaaagaggt aaagaaaatt acaatcccta cagctacgga 900
aatatcttta ccaactgctg tgttgccctg tgtgggccat ctcaccaagc ctgatcgaca 960
gaagagggta catccagccc gacacgccgc agccagcagc accctccaat ggcatcacca 1020
tgtacggggc cackcagtca cagagtgaca tgtgcgacca agaccagtgc attcagagca 1080
ccaaattcgt tttgcaggct gcagccacgc ccctgctgca gagcgagccc agcctcacca 1140
gcgacgagct gcacctgccc gggaagcctg gcctgggcac gccctgcgcc agcctcacac 1200
tgggcccgcc cacaccgccg ctccatgccc aacctcgccg argccacgct cgcggacgtg 1260
atgccccgga aagatgagca catgggccac cagttcctga cgcccgatga ggcgccctcg 1320
cccccaggct actggcggcg gcagncccct ggcgcacaag ccgaccatgc acgtgctggg 1380
ctggccagnc aggattcctg atgaggactt ttcgcggctg tgaactaant cctgtgacan 1440
atggccaggc cggggaaacc aaaggtcttc atgg 1474

<210> 1267
<211> 1405
<212> DNA
<213> Homo sapiens

<400> 1267
gtgtatttta caatttttt aaaggaaaat ttaaaatatg aaatgtttgt tttgtcttaa 60

BNSDOCID: <WO___0122920A2_I_>

cagggtatcc cttctccctc ccttgtcagc cttccttcct tctttgaaag gagaagtcat 120
acgttaagta gatctacaac tcatttgata tgaagcgtta ccaaaatctt aaattataga 180
aatgtataga cacctcatac tcaaataaga aactgactta aatggtactt gtaattagca 240
cttggtgaaa gctggaagga agataaataa cactaaacta tgctatttga tttttcttct 300
tgaaagagta aggtttacct gttacatttt caagttaatt catgtaaaaa atgatagtga 360
ttttgatgta atttatctct tgtttgaatc tgtcattcaa aggccaataa tttaagttgc 420
tatcagctga tattagtagc tttgcaaccc tgatagagta aataaatttt atgggygggt 480
gccaaatact gctgtgaatc tatttgtata gtatccatga atgaatttat ggaaatagat 540
atttgtgcag ctcaatttat gcagagatta aatgacatca taatactgga tgaaaacttg 600
catagaattc tgattaaata gtgggtctgt ttcacatgtg cagtttgaag tatttaaata 660
accactcctt tcacagttta ttttcttctc aagcgttttc aagatctagc atgtggattt 720
taaaagattt gccctcatta acaagaataa catttaaagg agattgtttc aaaatatttt 780
tgcaaattga gataaggaca gaaagattga gaaacattgt atattttgca aaaacaagat 840
gtttgtagct gtttcagaga gagtacggta tatttatggt aattttatcc actagcaaat 900
cttgatttag tttgatagtg tgtggaattt tattttgaag gataagacca tgggaaaatt 960
gtggtaaaga ctgtttgtac ccttcatgaa ataattctga agttgccatc agttttacta 1020
atcttctgtg aaatgcatag atatgcgcat gttcaacttt ttattgtggt cttataatta 1080
aatgtaaaat tgaaaattca tttgctgttt caaagtgtga tatctttcac aatagccttt 1140
ttatagtcag taattcagaa taatcaagtt catatggata aatgcatttt tatttcctat 1200
ttctttaggg agtgctacaa atgtttgtca cttaaatttc aagtttctgt tttaatagtt 1260
aactgactat agattgtttt ctatgccatg tatgtgccac ttctgagagt agtaaatgac 1320
tctttgctac attttaaaag caattgtatt agtaagaact ttgtaaataa atacctaaaa 1380
cccaagtgta aaaaaaaaaa aaaaa 1405

<210> 1268
<211> 1453
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1452)
<223> n equals a,t,g, or c

<400> 1268
aaaaaagaaa gaaagaaaag gtacatgtat atatttgtcc tgcattatgt tttttacttg 60
atataaatgt atttttactg tgatagtcca agtgccctgg ggggcaggtg tgctctatgt 120
ggttcttctt ccattggaga gctggcgtag agatctgcag tgttcacaag gatgttggtt 180
tggagatgtc tgctgctagg acctggggtg tgtgactcag tccatatgag agggacatct 240
gggtggagga gtaaattcct gtgctctgaa atgccacttg gtagctctgg acaatgaagg 300
acaattgact caagggtgcc tggcttctgc tgctgctggg aaaaaattca gtttatagca 360
ttcctgcacc tcccaaagta gataacctgg aggtcattca gttaacaact gtccctgagg 420
actcagtttt gggggagggg ttatctggga gaagctttag cctgttctga gccattagga 480
gacattagtg aattggagca ctggagaatc ctacaaatgg cctatgtctc agaagagctg 540
ggacctcctt ccagctgctg cagatgctga caggccctgg gaggctgctg tgctctggag 600
aagctggagc agctcatttc ttggcctagc ctggctgcct cagaaagagc agtcaggact 660
tgagggaagc atcaaattct atacccataa actgcagttg gaagtcagct ttttgaaatg 720
tccagccttt gcccaattgt ttcagatcat ctcattcctc aggctttggc aggtatcctg 780
ccctccatct tattccagtg tgttcacctc atcaaggcag cagagtggat gaaggagtaa 840
gtctgccctt tgccatactg aacagctgtg gaccccgatt ggtgagggct ctgcatatgc 900
ctgtatgaag gagatacagg tgtgtgtgca catgccggta tgaagaagac acaggcatgt 960

gcttctcagt tttgctaaca gtgggagctc aacggggcag agggaggaag gtccatgatg 1020
ctcagccaca tactgtagag agaggcaatt taatgttaaa tgacgcacca tcctccctcc 1080
cacccttctc ccagtcaact ttttttcttt ttctagaact actaattatc tctcaaggct 1140
gaaaaattaa ttgccttagg tggagaactt aattcctagt atccaccaaa cttaactccg 1200
tatctccata tggtgtctcc atatctactg tgtgagctac ttaactgacg ccctcttcct 1260
ccaactgaag gatcgcccaa cgtttttgga ttatagaatt attatttcct gctttctttc 1320
tttgggactt ttgaatttct ttggtttcgt ttttaagaag taacccaaca tttcctacaa 1380
cactaaataa aatggtactt acctttcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa ana 1453

<210> 1269
<211> 1353
<212> DNA
<213> Homo sapiens

<400> 1269
ggacccacgc gtccgattat ggtaaacatt ttaaatctta ggctgttggt taaatttaat 60
ggtttaagca ctgttgggtt ctctttaatt aatatttgca gaaggagaac atatgtgttt 120
cactgatatg tatggtccag aaaaattact taattctcaa aaatatgttg cattctcata 180
ttgtgttagg gaaaattcca taagtagtct attttttttt tttcttttgc tgactgttaa 240
catccaaaca cctgaatgaa aactgactca tttctgtatt ggtgtttaaa aatattgatt 300
tgcagatgtt cacagaacac ttgcattttt tgattcacat tgctaaatca aatgtaaagg 360
caaatatgta tatttaataa atgagaagta ttttttttatt actgaaattt attctcaaag 420
caaatgtatt ttgtagatgk ttcatttggg agattttgct ttgccttaaa acatacmaaa 480
taaacctgtc ttgtggtctg cccacctcaa aacctctgtt aacttgacat gtagaaggag 540
ttcagaattc tttgataatg tgtggttttc acttttgttt ggattaaaca aaaataaaat 600
tagagtccat agcactttgt aaactaatgt gaagtttctt gttgaatcat aaaagctacc 660
tgtatgtact ttataattta atgttctgtt agtaaaaatt gtcagcattt tatcttttc 720
tcttctcatt acattttagt ctccaatctt tcccactctc agcagtcaca gttttgcaga 780
gcaaaacatt tttagaaact gaatatgtgt gagttctata taaaatgaat gtgttagtaa 840
catccatctg ctgatcaagg aggcattgga tctggtacta gaaggtgaaa ttgattgtag 900
ctatcaaagc attttatcaa tgtaagtcaa gaaaaaagaa gaaaactgtg aacctctgat 960
atttttaaca taaaaactgt tcccaatgag tgttctcttg ctgattttgt gttaatgtta 1020
ttgtctatga tttttaagct aatgctaata taaaatctaa aatttcaaca tgatgacaac 1080
aattcctgta gcctgttttt accattagga tgtttttgaa aacagatgtc atcttagaaa 1140
ttatattttt aagtgcaaat aaatcatcct gacttgaaag tcaacacatt ttatttttca 1200
ttccgtagta tcacagaata tgctgcattt agatacaggt ttaatttgcc agattttctc 1260
aaaattctgt atttttatat tgctacaact ggtttactta acatgcaatt gaattgttat 1320
ttaaataaat tacatttgat ggaaaaaaaa aaa 1353

<210> 1270
<211> 1569
<212> DNA
<213> Homo sapiens

<400> 1270
acctattcaa aattttatta aaaaccagca aattaatttt aatctctagc cataaaaaca 60
taagtaatag taagctccta agcttggaca aaggctggat tctcttcact ataactgagt 120
ggtaatttaa agacaacaat ttaatgtcac taattttcaa aattaaatag tttaagctca 180
atttaatttt gctagatatt taacaaaaca tacggctcaa cctcataacc tatatgtgtg 240
tatgtctaca tctgtgtata tatcatagga tttgagaatc ttaacacatg tataaataag 300

tatatataaa ctccaatttt aaatcttaaa attgctgaat ttaccctcat attctttaaa 360
aaacttaaag cattatgaat gtwgagaaat tcaccagagc tcactgccta tttgatggct 420
gtaacaagtc ttcaagtata tacttttata ataagttgaa aatttcatat aattttattt 480
attaagaatt ccaatctaag tataaaggta caaggtagtg agaaggaaat actacagttc 540
ggagaactgc ttatttccaa gtatatttaa cttataaagt taataaatag ttaaatgaaa 600
caaagtttat aggtgacctt tagtaaatgg ggaaattaac aggactttct tcttcatctt 660
caaactcttc agaagcagca acagggctag ttaattcaac tcccaattgt tctgaaagtt 720
tttttacctt ctcttctaag agaatattct tcttcacttc ttccttgtaa ttatacttaa 780
gatcttcaat ttcttcaaaa aatgaaggat caaaattttc cagttctttt ttcagcttct 840
ttatttcctc cttcaaatgc tgcttttcta gatctgacat tttgagctgt gtctctagat 900
cttttatttt ttcctttagt tgatcagcat caggtatggt gctttcagct ccactttggt 960
ccttgttagc ttctatctga tggattaatt ctgctttctc tttatccagc tgatgattag 1020
ctaatctaag aacttgaagc tcccgtttaa ggccttgctc tgtctcagca ccttcaggaa 1080
catgtttaag aatcttaatc tgttgttcaa ggtcttcatt gtatttgtta acttttttgtt 1140
ctctctctgt tgcttctttt acaagctgtt taaggtcagt aatgctttga ttttttttgg 1200
caatatcagt ttccaattct tttwacttgg tttcatacat tcttgtaacc acaatggatt 1260
tccagctctt actgtcagca ccttcaagct gtggacctct gctttctgca aactgcaatc 1320
tcttaccagt ctcttctagt tgaactgtca tcttctcatt taatatctct aaattattct 1380
ttgctatccg taatttctct gcagcatcag tttctttttt aagttcttta cgaagccttt 1440
cattttcagc aataattttt tctgtgcctt tggtcttgga ttcatagtgc atgctcaact 1500
gatgcccaag atgagcttta agtttttcta attcagcctt caatttttca ttttcctgct 1560
caatattag 1569

<210> 1271
<211> 573
<212> DNA
<213> Homo sapiens

<400> 1271
cagttgaata catcatccac aaaccaccaa ttgccttctg aacatcagac catactaagt 60
tctagggact ccagaaattc tttaagatca aatttttctt caagagaatc agaatcttcc 120
cgaagcaata cgcagcctgg attttcttac agttcaagta gagatgaagc cccaatcata 180
agcaattcag aaagggttgt ttcatctcaa agaccatttc aagaatcttc tgacaatgaa 240
ggtaggcgga caacgaggag attgctgtca cgcatagctt ctagcatgtc atctactttt 300
ttttcacgaa gatctagtca ggattccttg aatacaagat cattgaattc tgaaaattct 360
tacgtttctc caagaatctt gacagcttca cagtcccgta gtaatgtacc atcagcttct 420
gaagttcccg ataatagggc atctgaagct tctcagggat ttagatttct taggcgaaga 480
tggggtttgt catctcttag ccacaatcat agctctgagt cagattcaga aaattttaac 540
caagaatctg aaggtagaaa tacaggacca tgg 573

<210> 1272
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<400> 1272

gcaacaaatg attctgaggc ttgatggctg tctanactta ctaacagaga tgagcaaata 60
caagcacaag agcagccctt tattgcctct tcttatcttt cataatgttt gcttcagtcc 120
tgcaaataaa cccaagatcc tggctaatga aaaaagtcat tactgtgctt gctgcctgtc 180
tggaaagtga gaatcaaaat gctcagagga ttggagcagc tkccctttgg gctctgattt 240
acaattatca gaaggcaaaa acagctttga aaagcccatc agtaaaaaga agagtggatg 300
aagcatactc cttagcaaag aaaactttcc caaactcaga agcaaaccct ctaaatgcct 360
attatttgaa atgtcttgaa aacctcgtgc agctccttaa ttcttccctg agtgcccatg 420
ggatgcctac accttgaagc tgacagtcat caacagggga gctaaagttg aagcccagct 480
gtgtgtagca gctgttacct gaagacgtgc tacctctcta caaagtgttg atccccttct 540
ttcccatgag agagagaact ggtgatactc caacaccgtc cagttgtggc agctctccag 600
aagtaatagc agctgacaac tttctgtgcc ttttcctttc tgttgaaaag gcatagaaag 660
ttctgggaac ataaacattt ttacccttt ctatgccatt tattttgtaa aaatcctatt 720
taacagttat ttaataaaac aatattttta gaaamwaaaa aaaaaaaaat tactgcggtc 780
cg 782

<210> 1273
<211> 294
<212> DNA
<213> Homo sapiens

<400> 1273
gctgaaccac ctccaaaacg catcractcc cggatattca aagctgccct ttcaaatcca 60
ctttcagacc gcgctgacct gggccagcca ctggsggtca tggttgctgg tgggggcgat 120
tagctgtgta gacccacagg tgcgtgggcc tgggccgccg gcgcctcctc mccaacgcgg 180
ggagcctgcc cagttcttct ggagcctgaa atgcgtgccc ctcttggttg cccgctctcc 240
acagtgggga gggctcacga ggactaggtg acacaagcga gcccctcctg gcat 294

<210> 1274
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<400> 1274
gctcgacagg taaaatccct acgtgatcct tctgccaaaa tgtcgaaatc agaccctgac 60
aaactggcca ccgtccgaat aacagacagc ccagaggaga tagtgcagaa attccgcaag 120
gctgtracag acttcacctc ggaggtcacc tatgacccgg ctggccgcgc tggcgtgtcc 180
aacatagtgg cggtgcatgc cgcggtgacg gggctctccg tggaggaagt ggtgcgccgc 240
agngcgggca tngaacactg ctcgctacaa gctggccgtg gcagatgctg tgattgagaa 300
gtttgcccca attaagcgtg aaattgaaaa actgaagctg gacaaggacc atttagagaa 360
ggttttacaa attggatcag caaaagccaa agaattagca tacactgtgt gccaggaggt 420
gaagaaattg gtgggttttc tataggaagt ttcaacgaat cacagcaagg cttttgtgcc 480

ttgcactcca tgcattctga taacggcagc tttcctaaaa agaaaaagtt atagttttgg 540
gacatttaat ttggtatagc tgattattgg ctttatttga tgaatattgc tttgtagctt 600
tgaaatacga cagtgttcca aatcccatca acaaaatgct gtgaacaaca acaacaaaaa 660
ataaatcaag aaggcatarm aaaaaaa 687

<210> 1275
<211> 818
<212> DNA
<213> Homo sapiens

<400> 1275
gaattcggca cgagaaaaag ccataataca agactctaaa gatctggaat gaaacctaat 60
aagagactgg taggtcaaat gagagcaaag catttgaatt tgactggatt gttttctcac 120
tggaaatagt gattctatga gttcatcatt aacacatttt ttgactggaa aactgctata 180
ggatcccagg gaggactaaa tttgaacaga ggaagtggac agtgttgcag tctctgttct 240
agctcttggt tctagaatag gagagttaag agcaccaatt tgggatgaag aaagcagaaa 300
gcaattatcg atatcaatca agagagcaga acagcctctc tccctccatc ctccctctgc 360
cctcttctcc cttcctcctt ctctgctttc ctttcactct gtgtatgtta gctttggccc 420
cattccataa gccgagataa aaatgctagg catgataaat ttgtgactgt tactaacatt 480
taggattttt tttttgagat ggagtttcac tcatgttgca gtgagctgag attgtaccat 540
tgcactccag cctgggcaac agagcgagag tctgtctcaa acaaacaaac aaaaaaacaa 600
atgccacgtc aacatcagga cgttaacctt tagaccctat atggtctaaa aaggggaggc 660
atgaataatc cacccccttgt ttagcatatc atcaagaaat aaccataaaa atgggcaacc 720
agcagccctg ccctgtctat ggagtagcca ttcttttatt cctttagttt cttaataaat 780
ttgctttcac tgtaaaaaaa aaaaaaaaaa aaactcga 818

<210> 1276
<211> 850
<212> DNA
<213> Homo sapiens

<400> 1276
ccccttcact tgggagtctg acttcattac ctcgtctgaa acaaggtgcc tccaagcttt 60
gggttgattt ccagaatctt gttgggttaa acataagtag aagtttgatc ataaaggrtg 120
ttattaagcc ggataggtaa gcacggtgac aatggcaata gaaatctaat ggaaaacgat 180
tgaatgacaa ctacaccaaa gtttcatgga tgaaactcac cccagaaact tagtgttcaa 240
atcagagtga tacacaattc aaaatgtgat tttaaacttc tggaaatatg tgtgtttgtg 300
aagatccaaa tccaattcag caacctccat caggcagaaa ccttctgcaa tcctcacatg 360
aggaactggk tcacagtgta cacagcatgg agccattagt gacgttatcc aaaggatgag 420
acaagacaaa agttactgtc taataaaagg aaaattagga acaggaatgc tctttaaact 480
caggaagatc ttttggggtg tcaaactgga cagcacagaa tcattagaaa aattagcttg 540
gcgtgagaag agacattgag gtcttctctg taaaatttac ttagatactt gtgaatagga 600
ctgaaattta tattttgggc actctttacc tcagattcag agttcttagg attatttaaa 660
attcatttgc tggatgtttt caagtataaa caataagaaa actgcaactt caacttaaaa 720
ggcactgctg tatttgcacc ctatattttg acctgtcgtt aggtactgtt gaatattttt 780
atctgtaagc atttatgaag tgcaaaataa acatgttatt atataaaaaa aaaaaaaaag 840
ggcggccgct 850

<210> 1277
<211> 500
<212> DNA

<213> Homo sapiens

<400> 1277
gagcaagacc ttgtctcaaa aaagcaaaaa agcaaaaaaa aaaaaaaaaa aaaaaaaaag 60
gaagtctttc ttcagatact tacgtgaaaa aaacctgcaa tatcttttaa gtgaaaaaaa 120
cagtgccaag cagcacacat agtataagcc ccaaccaacc ttttttttt ttttttttt 180
gagacagagt ctggctgtgc ctcccacttt ctaagctttg saragagtga gttgactgag 240
cagccaggta gatgtgggtt cagatctctg cktctgtccy gctgtgccaa gtgctggggc 300
agacgcrggc agagagtgga cagyggcatg gtgcctgctg ctagccattt ctatgcaaaa 360
ccagatttct rgtcccatcc tggaggccaa ttctaggtac stgggtgggc ctgggaacct 420
gtgaamcaag taaactgact tagacacccc ccaccccacc aggcctgtcc tagcagcccc 480
acacaaaacg ctcatgtcct 500

<210> 1278
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 1278
gaagtactct aaatgagcat aaggaagaaa acacaactac agtttttcata ggagctaaac 60
tgcagaacac agacaggatt ctagaaggac aaatcttatt tcatttagct tcttcttaaa 120
gccaagatac ctgcaaattc aaaccttagg ttctgccctc tgcggcaccc aggcagagcc 180
tgactaggaa acttcagaga ggagaatgta aaaggaaatg tagatattta taattgaagt 240
atctttcccc ttgggtattt ctctttctct ttttttttt aatgaaaatc agtcaactga 300
atattttgtt tccccgagga agactcctca gctgtcgatt atgctgagca cacgggagaa 360
gctctaacag aagatgatgc ccgctctggc taatgatcac ctgttctgta tcagtgagag 420
acaaggtctt gaagttggcc cccttcagct gtgaataggt attaggtacg gaatatagct 480
aaaagcattt gtgtgagcct gcaaancaaa tgggtgctgg anccaatttt gtacaggnat 540
atccaaataa atttaatttt c 561

<210> 1279
<211> 1667
<212> DNA
<213> Homo sapiens

<400> 1279

gggaactgcc aaaagtgtgc atttggctac agtggactcg actgtaagga caaatttcag 60
ctgatcctca ctattgtggg caccatcgct ggcattgtca ttctcagcat gataattgca 120
ttgattgtca cagcaagatc aaataacaaa acgaagcata ttgaagaaga gaacttgatt 180
gacgaagact ttcaaaatct aaaactgcgg tcgacaggct tcaccaatct tggagcagaa 240
gggagcgtct ttcctaaggt caggataacg gcctccagag acagccagat gcaaaatccc 300
tattcaagmc acagcagcat gccccgccct gactattaga atcataagaa tgtggaaccc 360
gccatggccc ccaaccaatg tacaagctat tatttagagt gtttagaaag actgatggag 420
aagtgagcac cagtaaagat ctggmctcgg ggtttttctt ccatctgaca tctgccagcc 480
tctctgaatg gaagttgtga atgtttgcaa cgaatccagc tcacttgcta aataagaatc 540
tatgacatta aatgtagtag atgctattag cgcttgtcag agaggtggtt ttcttcaatc 600
agtacaaagt actgagacaa tggttagggt tgttttctta attcttttcc tggtagggca 660
acaagaacca tttccaatct agaggaaagc tccccagcat tgcttgctcc tgggcaaaca 720
ttgctcttga gttaagtgac ctaattcccc tgggagacat acgcatcaac tgtggaggtc 780
cgaggggatg agaagggata cccaccacct ttcaagggtc acaagctcac tctctgacaa 840
gtcagaatag ggacactgct tctatccctc caatggagag attctggcaa cctttgaaca 900
gcccagagct tgcaacctag cctcacccaa gaagactgga aagagacata tctctcagct 960
ttttcaggag gcgtgcctgg gaatccagga acttttgat gctaattaga aggcctggac 1020
taaaaatgtc cactatgggg tgcactctac agtttttgaa atgctaggag gcagaagggg 1080
cagagagtaa aaaacatgac ctggtagaag gaagagaggc aaaggaaact gggtggggag 1140
gatcaattag agaggaggca cctgggatcc accttcttcc ttaggtcccc tcctccatca 1200
gcaaaggagc acttctctaa tcatgccctc ccgaagactg gctgggagaa ggtttaaaaa 1260
caaaaaatcc aggagtaaga gccttaggtc agtttgaaat tggagacaaa ctgtctggca 1320
aagggtgcga gagggagctt gtgctcagga gtccagccgt ccagcctcgg ggtgtaggtt 1380
tctgaggtgt gccattgggg cctcagcctt ctctggtgac agaggctcag ctgtggccac 1440
caacacacaa ccacacacac acaaccacac acacaaatgg gggcaaccac atccagtaca 1500
agcttttaca aatgttatta gtgtcctttt ttatttctaa tgccttgtcc tcttaaaagt 1560
tattttattt gttattatta tttgttcttg actgttaatt gtgaatggta atgcaataaa 1620
gtgcctttgt tagatggaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1667

<210> 1280
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 1280
ttcacagcta ggagtccctg ggaatacacg aacctgtgca gtagacagtt gggggccagc 60

ttgttggaga ctgttcttat tttcttcttc ctttcagaat ttcagctgat cctcactatt 120
gtgggcacca tcgctggcat tgtcattctc agcatgataa ttgcattgat tgtsacagca 180
agatcaaata acaaaacgaa gcatattgaa gaagagaact tgattgacga agactttcaa 240
aatctaaaac tgcggtcgac aggcttcacc aatcttggag cagaagggag cgtctttcct 300
aaggtcagga taacggcctc cagagacagc cagatgcaaa atccctattc aagccacact 360
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaaaaana aaaaaaaana aaaaaaaaaa aangggc 457

<210> 1281
<211> 723
<212> DNA
<213> Homo sapiens

<400> 1281
ttttttttcc awgtacwtga aaaatccatt ctcttggtgt cactacmagt ctgcttagtt 60
ttaagtgaaa ttccttttat gtctacttgg tttttacttg tgtcaacatt tagtatgcta 120
cctcttctat wgaaggatga actcctaatg ccctctgttg tgacaacaat ggcatttttt 180
atagcttgtg taacttcctt ttcaatattt gaaaagactt ctgaagaaga actgcagttg 240
aaatcctttt ccatttctgt gaggaaatat cttccatgtt ttacatttct ttccagaatt 300
atacaatatt tgtttcttat ctcagtcatc actatggtgc ttctgacgtt gatgactgtc 360
acactggatc ctcctcagaa actaccggac ttgttttctg tattggtgtg ttttgtatct 420
tgcttgaact tcctgttctt cttggtatac tttaacatta ttattatgtg ggattccaaa 480
agtggaagaa atcagaagaa aatcagctag ctgtattcct aaacaaattg tttcctaaac 540
aaatgtgaaa atgtgaacag tgctgaaagg ttttgtgaac tttttgctat gtataaatga 600
aattaccatt ttgagaacca tggaaccaca ggaaaggaaa tggtgaaaag tcattgttgt 660
ctacacaaaa taaatgtata tggagaccaa araaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaa 723

<210> 1282
<211> 331
<212> DNA
<213> Homo sapiens

<400> 1282
cggacgcgtg ggcgacccac gcgtccggct caggcacgtg gccacctttg aaccagggat 60
tttgatcggg ggactctcat tggcccggcc ccgttgggtt ccttgtcccc tggcccccac 120
gggagtgagg atggcgccat ggtggagagc accaccagga ccacgtggag ttagggagag 180
actgtccccc taagaaaaac ataggacccc tgcaagccca accacctctc ccattagaat 240
ttttcagtca ggcacaatgt caaaagttca gcttaggktg garacaaatt tgcargacag 300
gtttcccara atcatccaca ttaccaccta c 331

<210> 1283
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<400> 1283
gttctagcaa gtgtggtttt agctgtatta gccagattgg gcggccggga gtggtggggg 60
tgccgggtgg aaggctctgg gcggggtctc aggaccctcc ttttcttggc ggggatcggg 120
cttgtggtgc cgctccccgt aatgtacgga ggaagaggga aagggctctg gccccctcgg 180
cgtcatgtct tcggtgctgg cggcttccca tccgctggtt ctatcctcaa acgccgggac 240
accgggaatc tcggaggaag ggacaaccga ggattccagc tggcttcctn catcggggtg 300
cttcacaatt tcttcatttg attttcangt cttgcggacg ctgttat 347

<210> 1284
<211> 918
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (822)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (866)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (878)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (916)

<223> n equals a,t,g, or c

<400> 1284
gacacnaacc ctcactaaag ggaacaaaag ctggagctcc accgcggtgc gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag cctgtcacca tccccagccg 120
ttagccatgg cttcggttct ggctcccggt cagccccggt cgctggactc ctccaagcac 180
angctggagg tgcacaccat ctccgacacc tccagcccgg aggccgcaga gaaagataaa 240
agccagcagg ggaagaatga ggacgtgggc gccgaggacc cgtctaagaa gaagcggcaa 300
aggcggcagg gactcacttt accagccagc agctccagga gctggaggcc actttccaga 360
ggaaccgcta cccggacatg tccacacgcg aagaaatcgc tgtgtggacc aaccttacgg 420
aagcccgagt ccgggtttgg ttcaagaatc gtcgggccaa atggagaaag agggagcgca 480
accagcaggc cgagctatgc aagaatggct tcgggccgca gttcaatggg ctcatgcagc 540
cctacgacga catgtaccca ggctattcct acaacaactg ggccgccaag ggccttacat 600
ccgcctccct atccaccaag agcttcccct tcttcaactc tatgaacgtc aacccccctgt 660
catcacagag catgttttcc ccacccaact ctatctsgtc catgagcatg tsgtccagca 720
tggtgccctc agcagtgaca ggcgtcccgg gctccagtct caacagcctg aataacttga 780
acaacctgag tagcccgycg ctgaattccg cggtgccgac gnctgcctgt ccttacgcgc 840
cgccgacttc ctccgtatgt ttatanggac acgtgtantc gagcctggcc agcctgagac 900
tgaaagcaaa gcagcnct 918

<210> 1285
<211> 3211
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 1285
gggattacag gcatgatgcg ccgcacttgg cctagtgttt tcttaactgt gaaattccca 60
ttcatttctt gaatgaggct acatcttatg gacagagcaa agttattgtc ctacagattc 120
ttaaaactat aattatggct attgcatgaa atttaaatag attttattat gtctgcaaat 180
ctctgggctt ttatttttct ggaaaatata ggagctttaa tcaaaacata atagttcttt 240
ttgtaattcc atgttaataa aaacaaatac tagcaattgc ttgaatttta atgaatattt 300
aaaagttcaa gagccacgga aatcacttcc agagataaga gttccctttc taaatagaac 360
acatttttaa aaaataagtt atgtttgcta ctaaaacatt tacactgkta gactattatg 420
tgcatgttgc caagactctt aagtaacttg gatatcaact gtgaagggcc tacctctaaa 480
aagtaacagg tcatacaaat acmaatgtaa ctgntaaaaa ttccactgga ttcttgcata 540
tttgcaagat tagattattc aaaagaaatt tcagtgctaa aattaaccag caacataagt 600
tctatgggct ttgaaaattg ttctcatctt tttaaagttg atgcattttc aatcctgctt 660
acacaggctg ttcatttgga taagtaaata aaatgtctaa ggtgaacttg gcattatgtg 720
gagatgttgg accgttatag agcaatacaa attcctatgc tgtcattctg ttttctgcaa 780
atgcaaacgt gcttatatgg tcaacagtgc aaaaataggg tagttggctg catatttagg 840
gtattaccta agcatttgtt ctctaacgtt gctctactag aatgattttt ttcttgcatc 900
ttttcacatt aatgatgttc tttatataac tttcatgcga ttatttagtt ttttaaatta 960
ataaagtgaa tttaagaaat attgaaataa acatctaagt aattgccatt ttaaaccctt 1020
gtttcttact gtgggagagg gggaaataca gcactcattt cttgttttta atttgcagaa 1080
gtaagtgaaa atctatgtaa aatcaaacca aaagagttgg actgagtgtg tattgtcttg 1140
agattaagtg acaaatagta aagtgttact gagtaattaa gcccatgtat ttttttttg 1200

tgagttgaaa atctttgaaa tatgtgataa ccgaatgtca aaagttccta aactctaaca 1260
gtgcaggttg ttcactgtaa cgaggtaact catatttgct ggttacataa actacaagta 1320
ctgctctcac aatatgggac tttgaactgt gatgtagttc aacagttgcc ggcatcctct 1380
cagctgatac gctgcgaata ttttgggtta gacttgcagc cagatgcagt tttgcaaccc 1440
aagaaaaaag ttgaacctat gatcaaaaac tgctcccaag atgaacctgg aaaaaaatca 1500
gctaagctcc cttggcgatc tgcaggaaca ctagtaatga ctggaattac tccgtgatct 1560
ttgatgacta ttacacataa cagcactcta gcacctttc ttactggcat ggacttcctc 1620
atggactgct acttcatgga tgatagcttc attgctttgg gtagggattt aaggtagtca 1680
aggggaaaat acgcatttta ttacaggtct taacatcagg caactttcaa ctttaaaacc 1740
ctttgtgaaa aatgtggtta tagcactata gctctgattt taggatggtt aaatgttata 1800
ttcattgttg gcytacctta tcaaactgtg ccattaatcc tttcacagac ataggtaagg 1860
aagagaacaa ccagtggatt caggggacaa ttatctatct ccaaataata ggcttttatt 1920
tcttgcagct aacttttca gtgattctag cagatgccat ctagtacatc cttgatcttg 1980
tttstttcgt gagagatctc gccatggcag catcttgtta agtaagtgta attgcacatg 2040
cacaaaagac ttaactagct ttacatttag cagtcagttg gttagattag gtttcatagt 2100
aaatgaatag gaatagaaag aataggaagt gtttttattt tccagtagta attccgtgga 2160
ttccatttga cccagtttac tatcagttca gttcaggtag atttggttca acttttggtg 2220
gtttttggct ctaggatatt cttgacttta atatcctaga acttactgag tcttcccttc 2280
aataaataca cttctcacat acctctaatc ctatgcttcc ttgaaacaat aatgctagct 2340
gagttgttta ctaaggatta ttataagggc ctgaaggtgt gggagtggag attaattaaa 2400
acctttatgt tctccaatat aagggaaaag caggttggta ctacttctga ttaggcagaa 2460
aacaccagga ttccttaagt gatccttgaa atggttattg ttttctgcct tgtcacattt 2520
gccactgtgc cctttaaaac gatgtggaaa cctcaggttt gtggacagca caggtggaat 2580
gacatcttgt gcttcctgag gctcccctct accaggcaca ttagcttagt gcttcagatg 2640
tcagcccaag tccttgttac ctccttttcc tgctgcccag ggaagagtgt gtgtgctgga 2700
gctggagcgc ttgcactctt caggtgacta ttctcacctc catttcctcc acatgcatta 2760
ggtgaaactg aggtctaagc ctcctgcaag gtctacattt taaggactca cacatcaggc 2820
tctcagaaat gtacacaggt attagttctg tttgttctaa aggaaatgtg ggtatctctc 2880
aggccaggac ttagtgacta gttttcgcta gacagcaggt taatacctag atctcattta 2940
aaaaaaaaaa aaaaaaaaca ggattaaagg gaactgatca ggtttgttga gttttttagc 3000
ctaattccaa agcatggaag agtgctctag gtaggaaaga aagctttttc ttacgatttg 3060
tagctaccta ctgtgcctga cttggtgcct gtgtgaggat taagccctta gtctgctctt 3120
gcaattattc aaatgacaaa ttaaatttgc ttttgtaata acaataaaag ttgtcatctt 3180
ccctttttgaa aaaaaaaaaa aaaaaaaaaa g 3211

<210> 1286
<211> 790
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<400> 1286
tgaggattag tgcagtnttc ccaagggaaa atatgatcat agctagtggg cttaccttgg 60
cagtacttag actgtgtatc ctttgaagtg tccttatcta gggatggttt ccatgaaaac 120
catacaggtt ttctaaatga cacagtctgg gtaactgcct agcttatgta atcatgtgag 180
gggttaataa tctctagggt gtagttacac tgatgacttt tcaaggttcc cmgggcctga 240
ccaaaatttt ggcttctctt aatacaaagt ggcacctgga attttagctc tgtgtacatt 300

gatattgggc cccaaatggg tttctgtggg atgcaacccc agaaagggta ctctgatagt 360
actggagaag gtttactgct tgtcctgtca tcgtagttca tgtttttttc cccaaggcca 420
aagattgggc tgggattggg gtggtagtgt atttgaatga tgctggagat aaccaaagcc 480
aacagtcttt gccagagctg ggctggtggt atttaactgt ctttgagtta aatgtaaagt 540
ttttaataaa tacccagaat ccattaactg ctggaggggt aaagtgaagc tctgttgtaa 600
aataaagctg attcccatta tgcgtggtcc tgtatacaca ggctgtgggt gaccattatg 660
gaaccaaaaa atacttattt gttattttgt gctatagaat aggaacttca ggggtggata 720
cctatgctgt caggaatgct tgttataaga attaattaaa acactttgct taattattaa 780
aaaaaaaaaa 790

<210> 1287
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<400> 1287
cggcacgagc ggcacgagcg gcacgaggga atttctaggt tttccccttg atcccagcag 60
ggttgtactg cctaagagag cttggaaagg gatagagaag tctgacccaa atttgcggag 120
sgactgagtg tatgctgccc cctttctggg ccttggcttc ttcctcaatc atctaggcac 180
agtcckatga ctgcctgttt ttgaggatgt gggaagggtc tgcaaataca gtgctttccc 240
attgacacac gctggtgagg atgcaagctc cctggcacca gcagtgaggg ctcagattgc 300
aagagtaaaa acttcatcac tgggaagaga agtctgcagg ggactggaag tgatctgaan 360
attctgaaat aactcttcct ctctctgcag a 391

<210> 1288
<211> 392
<212> DNA
<213> Homo sapiens

<400> 1288
gggaaaggag tgtttcccag acagcccagc ayctgcaggg gatggagggc acataagttt 60
gaatataaag tttaacaaat caggggcagg gccagaggaa ccaagtccaa gctcttgggt 120
tcaactataa agtaccatgg aagtttgaaa actgaaagag atcaaaaagc tgttagaaga 180
aaacgcaggc atcaatcttt atgaccttcg attaggcagt ggtttcttag atatgacacc 240
aaaagcaaag caacaaaaga aagaaaactt aaagtggatg tcatcagaat gaaaaactct 300
tgtgcttcaa aggataccat cacattttat aattcatagr tctgataaag grcttgtrtt 360
aaggaawtmc aaggacctcc acctccatta cc 392

<210> 1289
<211> 129
<212> DNA
<213> Homo sapiens

<400> 1289
agtgtaaggg tagccatctr aggaccagtg ctacaccaaa gaatactgat aagtgcttct 60
ggtgtgggag aaatraggrt tatttatata gggcaaaaca gaggtgttga acaggattac 120

agcattttt 129

<210> 1290
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 1290
gtccgggagc agtggttgga gttcncagag tnatgacgtg gagtggctgg gcctgggcag 60
atgtgcacat cgtctgtact ctggatccct ggcccagaag gactcagatc cttacttcta 120
ggaattttca tttaatgaac attatgagaa ttggagggaa ggagaattcc ctttacagaa 180
tcaacccaag ttttctgcag ggatagggag cccttgtagt aagttatccc catagaaatg 240
aaaacccagt ctccaccatg gctgttctta ctctctcaga gaagctctga taaatgaatc 300
ttcctggata tcctgatcat tttcattttc cacgtgctcc attcctgctg ggaaccccag 360
ttggcggaca caggcagatg gccaggggac cttccacaaa gggccacagc ctgtggccng 420
ccantcantg tgcccttcct tgtg 444

<210> 1291
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<400> 1291
gcacagtttc tctaatcatg gtcaacaaag atctgacagt gcatcgtccc taaacgaccc 60
atacttgcct cactgacacc atgtggccca cttcccatct ataatctatg tctgggtgtg 120
aagcccttcc catatgatcc cccgaatgga acttcacaag ttcgaattca ctgggtcaca 180
gtgtgatagc gtgaagatgg gaggacgtta agggaaggct atgggtgagt tgggaaatgt 240
gttaggcagg gtcagagatt accacatcct aaaaacaaca cttaaggcgg gagatgacaa 300
aacaatcaat gaataacatg acttttttcca gtgaaagtgc catatctaat ccttttccat 360
ttttgttctc tgagcttctt tcttagggaa gatccttctt gagaagcccc tgctgagtat 420
taggaaaatg catttcagga cctctcatca acacaccctc tttctttacc acaaccacat 480
atatgggggc ataactcaac atgtgtaaaa gacaatcttc tgcttttcac tgaacctcca 540
ggaattcagg acaataaayn tctacatgsa gaccaacagg tgagtttttc tgccccttct 600
ttcataacac cgttcttccc tagtgaagtc cacacacatc cttacatggc agctgtgggt 660
atatcaactg gtc 673

<210> 1292
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 1292
gccagaataa tattctctta tttgcatgta tctaccacat tttatttatt cattcagcga 60
cgggcagcag cctgtagata gttttgtttt catgtattga atggtccttt cccccagtgg 120
agtgagtaaa tgcatccgga agcagaattc tgttgtttcc cattcatcac tgtgtgccag 180
gtgtctgaga agggggtctt ataggagccc acgcaraaac caagctcacc tcagtctggg 240
tgtggggcag tcagggaagg cattctggaa aatgtagctg actcgaaata agcacctatt 300
graaatagtg tgcygagccc tggaacatta aaaatgtgtt cctatgtgga aatcanaaat 360
gtatgggtcc ca 372

<210> 1293
<211> 1204
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<400> 1293
aagcttcctt tgnnctagcc cggccgccac cgcggtgaac agacagctcc caggttccca 60

attttattaa tgccacgcta ccacctcagg agcgcatcac tgctcaggag attgacagct 120
acttacgccg ggagctgatc tacaagcgga atgagagaat agggaagcgg gtgaaggccc 180
ttttggagga gttccctgac aaaggcttct tctttgcctt tggagctgct tcacagtagc 240
cttgaaaatc aggagccttg aactacagta gctgtgaaaa ctgtttgcct aatggttact 300
ggaggggaca gaatgggttc aaagttcctc caaagctcca tccttaaaga atcatcacta 360
tttgacatgt ccaatagttc cctgaaattt ccattcccaa gcttgtcttc atttgacctg 420
actcagagct tgctctgtgt gaatagccct attcttaggg tgtgtgttga aaacaatcag 480
tagcagctgt ttaacatcat agttgctgga aatagcaata ttaattgaag cttacaaggg 540
gctgcccaaa aaacttaaaa gcaaaatccc atagggggta tagaaaagct ctaaaatatt 600
cctagagagt cacatgcatg agaagagctg tgcacatgcc caggaaagac ctgagaaggt 660
cctaatctct cacctctggc tgatcttgag gctctgtgta agcagagtgt gaaagctaag 720
gcaaagtcat aaattgcctg ttgaagcatc aaatacatgc ccccaaactc acacagcccc 780
tctgcaaagg ttgggaaact tgcaaggaat ttaaggaaat ctctgttcag tcattagcca 840
gccactaaac taactgagca gatccttcag tgatcacaca caacaaagaa tacagacttt 900
acagacttag tcctagaaaa tcactacaca aacagcaaca acaatgcacc tgggactaag 960
ggagaggaga tgagttccag agttggtata ttatttaaat gtctagtttt caataaaaac 1020
aattataaga cacagagcaa aactagaaag tatggcccat acccagggaa aaacaagcaa 1080
ccaatagaag ctgtccttga ggaagttaat atcttggact tactagaaaa tgactttaac 1140
mctagtatta taaatatgtt cmaaaaacta aaagaggcca ggtgcggagg ctcacgccta 1200
taat 1204

<210> 1294
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<400> 1294
aagtgtgcaa aatagcatta tttctaaaaa gacaatgtat atatcttatt taaaaactat 60
tgttagaaaa tgctaatgat catttgagct ttcagtaagt tgtaatcttt ttggtggtag 120
agggtctcgc cttgatgttg atggctgctg actgaatcag ggtgatggtt gctgaaggtt 180
gaggtggctg tggctattaa aataaggcaa caatgaagtt tgccacattg actcttcctt 240
tcaccaaaga ttcctctgta gcatgtgaca ctgtttgata gcatattccc caccacagat 300
cttctttcag aactgggggt gggacctggg gcacttgcag taatggttct aaaccctttg 360
ttgtcatttc aacaatgtgg cacagcatct ttcaccagra gttggattcc atctcaagga 420
aaccactttc tttggcttca gccgtaagan ggcaattccc ccgtttcaag tttt 474

<210> 1295
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 1295
gcgaaggcag aatcattttt tctacctgtc tgaatcagca ctttgtaagt ttacataaaa 60
ttaaggattg tgatttctaa gataggcatg ctttgcaaat atttctctat aaaagtggaa 120
gcctctttcc catagtgctc actttaaggc tttctgtagg cctgccgata agattcactg 180
ctgttcaggt acataagatg taatgtaatt ggatgcacat gctgggcttt gtaaataaaa 240
tgagattgac acccagcaat tatctcattt atctgattta cattgtaaaa tcaggatcta 300
cactattgat tagagcataa ttagttaatt atgaacaggg aaatacaaag ttacatggag 360
cttgagctca gcargttgta ctgctnaaaa atttccaagg gcatgancag atggaaatca 420
gtttattaaa gaacaaagca gacatgtttc 450

<210> 1296
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 1296
aaagctggta cgcctgcagg taccggtccg gaattcccgg gtcgacccac gcgtccgcta 60
agattagaac agctcatagg agagtcatga ttttgaatca cccagataaa ggtggatctc 120
cttacgtagc agccaaaata aatgaagcaa aagacttgct agaaacaacc accaaacatt 180
gatgcttaag gaccacactg aaggaaaaaa aaagagggga cttcraaaaa aaaaaaagcc 240
ctgcaaaata ttctaaaaca tggtcttctt aattttctat atggattgac cacagtctta 300
tcttccacca ttaagctgta taacaataaa atgttaatag tcttgctttt tattatcttt 360
taaagatctc mtacaaaana aaaaaaaggg cgg 393

<210> 1297
<211> 627
<212> DNA
<213> Homo sapiens

<400> 1297
tgtcctagag atcctgagaa ttacttttaa taaaatcatt tttttgctgt tattaaaact 60
aacctgaatt gcctaaaacc aagaactctg cttgataaaa taagcatagt tttaggaaca 120
gccatgcaga tataaatttt atcaacactt tatacataat ttgggactta tatttaaatg 180
taatatttga tgcttataaa agggtaaatg gggaatgcaa ataaattatc aagcataata 240
actcatcacc taacttaaga ataacattat gagtgcttgt attttatcta tttgagctct 300
tctcctatct ttgccgaccc ccccgctctc tttttaatag atttgttcga atgtagaaag 360
acctaaaata catatgtatc cctaaagtga cttatttttat agttttcttt ctttttgaac 420
ttcaaaaaaa ttgtatcata ctctatgtag tctaaggatt tggtttttt cactcaacat 480
gtctctagaa ttcacaagtt ttattgtttt atagctgtca ttttcattga tgtatatttc 540
attgttgggt tatacaacat attgttaagg aatacataca tatataataa attatacatt 600
ttttaaaaaa aaaaaaaaaa aaaaaaa 627

<210> 1298
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<400> 1298
gtgggcctta gggtacagca gcgccgycag cgtttggktg catggcgccg ggggagggcg 60
ccctaaccga gaagctgctt aatacaaaga gctccaggct cctggcggtt caccaggtct 120
aaacagccgg gctttatttg tgggggcgat tgaaaaaatt gagggtcaag attggggtgc 180
tgtgcaaata aatgcgttaa tactgttctt tttcttcttt ctttgcagta gcctctagtt 240
cgttagtcaa aacgttgaaa aaaaatactg ctttgccctg ggaaataata accctgccaa 300
atactccact tgttggaaac aaaagatttt atggaactnc ttnaaaaaaa anctccacat 360
gcccattttt tttacccgtt t 381

<210> 1299
<211> 509
<212> DNA
<213> Homo sapiens

<400> 1299
gacattgtaa ccgcagattc agcccaatct ggttcaactt tgtgtaataa aatggcgagt 60
tgtttttcag ttgtcgtgga cccccaggtt gcaagttaca taccctgggc atgtccagat 120
gaacgaagcg tgcaaatcca cgtggaacct aagtgctcag actgaggaac agggactgag 180
ttaagaagtg gacaccacgt ggcatgatcc ttgatccaat cagattgagc cctggcgtga 240
tccagtcaga tcaagcctcc tgaatccccc cattacaaga tccaatcata tcatgcctca 300
ctaccctctg tatataaaat ctgccccagc ctccaacttg gagagacaga tttgggccag 360
actcctgtgt ccttgcttgg ctgccttgca ataaattttt ctctctacaa aaccccagtg 420
cttcagtgtt tggttttcca atgtgagcca gggaactgac ccaatttagt tcggcaacaa 480
cataagcaaa atgttttccc gagttctct 509

<210> 1300
<211> 452
<212> DNA
<213> Homo sapiens

<400> 1300
ggcagaggtg acaggtggtg ggggatgagc agggacgggc cagttttgta atctgggasa 60
gttttcaaga tgtattccct ctctgacatc tattaactag cacagagtct tcaggatatt 120
attaggtgct caataaaagt ttattgtatg agaataagca atattttctt tatctctcat 180
ttggttgtat ctttccctac tttgttattt catttttct tacattttat cytygtattc 240
tgacactatt tcttagtttt gcttctgttt tccccagaag agtactttgg ttaaaatgta 300
tcacttgcaa aatagaataa cacaccgcca tgtagtgttg cttcaggtta taattttcca 360
tatatgtaca gtatgccaaa aaggatgctg cttctagaga gaatgtttaa aactcacttc 420
tctagatttt tttaaagtta ctttagtgtt tc 452

<210> 1301
<211> 539
<212> DNA
<213> Homo sapiens

<400> 1301
gatcacttca tgttatgaag ctagtatagc cttcacacca tacagrctaa tctcactgat 60
gaataraagt atgtaattgt taattatyaa trttagcaac ttgaatctac aggtgaytat 120
raagtatttt tttagtttga agatagtttt ttccaraaat ccaaggatgg cttaatcata 180
tggaataatc aagggcaaag ccaagccaag aaggcttgaa araagaacmc trgagatata 240
ttataatgct ctaataatta aaatggtgtg gtattaggtt atgaatggat raacaracca 300
atggaacaaa attgcgaagc cagatagaaa tcaaccagtc tgtggatcta ttaatttatg 360
ggaatgtctt ttgtgagata tatcaattaa tgggaaaaag actgtttaaa acataattca 420
gtgacagttg actgtatgga agaaaacaaa attaaaccct tatttcattt ccagatggat 480
ttaagactca tgtaaaaaag taaaactttg aaactcagag aacaaaaaaa aaaaaaaaa 539

<210> 1302
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<400> 1302
gcaccagtgg catcgggacc agccccagtt tgaggtcgct gcagagcctg ctgggcccca 60
gttccaagtt ccgccatgct cagggcactg tcctgcaccg agacagccac atcaccaacc 120
tcaaggggct caacctcacc acacctggtg agagtgacgg cttctgtgcc aacaagctgc 180
gtgtggccgt gccgctgctc agcagcgsgs gacaggtggc tgtscttgag ctacggaagc 240
ctggccgcct gcccgacacg gcactgccca cgctgcagaa tggggcagct gtgactgatc 300
tggcctggga ccccctttgac ccccatcgcc tcgctgtggc tggtgaggac gccagkattc 360
gactttggsg ggtacccgca raagggcytk gaagargtgn tcaccamgsc anaaactgtg 420
cttacaaggc ca 432

<210> 1303
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<400> 1303
tagcagcccc nntcttttaa ggcctgacta cagaatccag cagcttttgt ctggagagct 60
ggactgaaga gaggcatagc tggagaccca tagctggccc tggccagaam cagggagagt 120
gaaaggctgg aatagccaag gccagagcaa ggctaatagg tagagcaaca gcttacaggt 180
gtgggggtgg cagatactgg cacccttgaa atggattcct catgcccacg cttcactatt 240
cttctctgtg gctaggggay ttatggataa accaaaatta cagttaaaaa ccanccatag 300
gccaggcaca gtgactcacg cctttaatat cagcactttg ggangacaag gtgggcggat 360
cacctgaaga tctggaattt gagaccagcc tggccaacat ggcgaaaacc catctctact 420
a 421

<210> 1304
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<400> 1304

cagacctgtg tctgatactg ratacagtgc catgggaccc tgctccaatc taactgccta 60
caacctgccc rtccccctgc tgcagggatg ttgctgctac ctcgggaggc tctctgagac 120
tggtgtctgg tcttagatgc tgcacatagt acctggtgct agggtctagg ggctgcccaa 180
agcccagcag gaacagctac tactcatcct gcagagncct tgncccagac cagctttcca 240
tccaaagcct cacctggttt ccatgtccat ctcaacagtc tggccttcct gtgactgtag 300
cctggcagcc acaccctcag taatcccrca cagtgagtcc agcttctctg ggagcttggc 360
cttcagttag cccagtccat gagagggcag ggtaatgagg aggagtaaag gacctatctt 420
ctctgtccac ataaggaagt tgggaccaca aggtctttta tctccttgtt actccccaac 480
cccaccataa cctcctactc agcacacagc tttatcctgg tagattataa ggtgagcttc 540
cagaacctgg caggaggctg gtgtatcccc ctgcacagas ggaagtgtat ctgaatgttg 600
tgtatgtggc tgatatggaa gacatacatg tatgcaatcc atcagcgttt aaagaagaag 660
attggctcca gttckgagga ggaggaggaa gattacagat ctattctgag tatttttag 720
agagttaata tttatatttt tagtaatttt ctggtagaag gaaattgcac aataaaatga 780
tttggtttgg wtwgaaaaaa aaaaaaaaaa aaaaa 815

<210> 1305
<211> 529
<212> DNA
<213> Homo sapiens

<400> 1305
tcagtgcttt tcagtttgtc aaagagygga tctcaaaatc ttgcttaaag ggtaaytgag 60
atgtagcaga tttatttact tagtcatgga aagaaaaaaa ttcagtcaaa agctaaagat 120
ttccttttga ttgaagacag attggttctg tggccttgga actttcccag acttaatggg 180
gaaacatcat ttctagatta gcatactctt tggtttaaat ttaatatata catttaatgt 240
tacttaggga tacttttata ttttgcatat ataaagcctc atatataaag ccttatttct 300
gatgctctta gatttctgag gagtgagatg attaagttgt attcattagt gtattggtat 360
ttcttcacat ccagtgaaat tggaratatg ttgtatgtta gaagagcatt ctttaaattg 420
tgttgctttg aacatgtgta ccttttctag attcagtaat cccttccccc crkcmtytgg 480
agtatgaaac ctttagagtc acaataaaat gtaactaaag aaaaaaaaa 529

<210> 1306
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<400> 1306
tagtaattat ggactttaaa aactatccat atataccatt ctaacaaggg actctgatat 60
gctcagagta gaggtatctt tctatggntc ctcaaatctc ccagggaatt cactatcacc 120
agaatatagt ctcatgttcc aaagttagaa acaagcatat agtgagaatt catttggcta 180
tgtcttaaaa tattatttgt tttcctnttt ttgacagagt gaccttaaac ctgaaagtgg 240

tagcaaggta agaagtcagc ggtttgtctt gtgtttatat ttgtgtttac tcaagtagga 300
ctgctttttg aaacattttt tcttaacaag agaagttaca aagtatttac tttttcccca 360
agcaaaaatc ctatttttct ggaatttgga ctcagtatca tctcaggaat aaaagaatag 420
ctgagtcttg aacagtagga aacattttgc taatgccttt atacgctttt ttttttaact 480
gaaactccaa agctatgccc tgtgtggttt tgaaagaaat tagtttatgg gttcagttgt 540
ggaaaaatat cttactttta cattatgtag gacaagtgat aataattgtt tctgtgttgg 600
aaaaaaataa ttgcaaagtt gttttgtttc ttataggtta tcttctttat ctgtaataca 660
gaggcctttc tgtacttatt ttccaaattt aattcttttt tcctgtaggc tcaaacaggc 720
ccacaccctt cccggttact tagtaataca gcgaaaacaa aagactaagt atttgagtgt 780
ttgaaaactt taatgtgtac tacattgcat accaggaaga aaatatggaa ccattttctg 840
cctcccacag cyargtggkt cattccctta ttccctaaca attttcctta atttctgtcc 900
ttcagatagc tggtacacag c 921

<210> 1307
<211> 802
<212> DNA
<213> Homo sapiens

<400> 1307
acgacggtta acatccacgt gggcgggggt gggcggctgc ggccagccaa ggcccaggtc 60
cggttgaacc accctgctct cttggcctcc acacaggaat ctatgggcct tcacagggcc 120
caggggctcc tgatgccccc ttccacatgt gagccaggac atgaggcttc cctgaagcaa 180
ggatttcagc cagatgccat agaccctcag aacttgacct ggaagtccag acactgaacg 240
caggcctcaa aactgctgcg gccttccaac tcctggtatc tgcatcggcg aatggccctt 300
cttgccttga tccacaggga tggggaaggg aatgtcatta atgttttgtt aatactgatt 360
ctttcatgca atgatgtgta ttttcccatt ctggaggctg tgggagatga caagacaatg 420
aatgggaagg tctgacacag aacaaatcag cggttctgaa agcttgggga atctcagact 480
cctttgagaa ttattggaaa atggacccmc tawaacttgg cgtgtgtgtg aactgcttga 540
tgcccatcca ggaaagccaa gttaagaagc tttgcttcaa gtagacacta gaaatccatt 600
cccttggcaa tttatacagt tcacgtctcc caccatccgt tcatctcacc caccctgcca 660
tctctccacc tatccatctg gctattgctc catctagctt tcccgctcca tctacccatc 720
ttccaatcca tcatctcacg tatctgcctt gcttatccaa ctgtctgcct tattcaccca 780
cccatccctt tatcattcta ac 802

<210> 1308
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<400> 1308
acaaaaaaaa aaaaaaaaaa aaaaaaaatt caggccgtta ctggagagtc ttggggaaat 60

tttttttaa aatgtctgaa aatttttcca cttaatccat tgatgaattt caaagcaatt 120
gtatttttc atacaagcct gccactgtga gcctgttctt attgtatctg agctntttgt 180
gntgcctgaa ttttgtctct taatttcttt tcagcttcat agtgwttcat tcttcaattg 240
tgttggaggg aaaaataatg gtagaaacta aaacacactt tgacctttt tttccaattt 300
gtagatggca tttggtaggc ttttgggagt aatagcctat ttcaaaaatt aaaaggtgat 360
gcaaaattat tgtgggagt 379

<210> 1309
<211> 1444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (948)
<223> n equals a,t,g, or c

<400> 1309
acccacgcgt ccgctaaaat atccccccaa accccagcaa tccaaaacac ttctggtcct 60
aagcattttg agtaggggat actcactcaa cctgtatatt tgtgctaata catgactcat 120
tagaatgatt ctttgtaaac ttaatatttt aaaagtacag cacttctgta gtatggaagg 180
tttcagtaat aattatattc attcagtagt ctcttaccat tatctcccag atggaaaaag 240
aggactaatg tggaaacccc agagggtgtc cagttggacc agggagatat tagacactta 300
acagtatttt cagtctgtcc atctctttat tccaatgtga gaaatggaag tgttttttt 360
tttacgttta ttggctcttc atatttctct acattatttt taatgtgcag tttcttcaat 420
tggttagtat ttccatacta tttgcaactt tatggccttt aaatatagga catattatat 480
agcagaaatt ttgactttaa atcctcttga gtagtatatt ttgagaagaa aagctatact 540
gctcttctgg atggtttcca tcctttattt aggtcttttc tttttgaatt caagtgtttt 600
gtatgcttag aaagtagaca tgtataatat tgagatcggt tatttctgag ctggaaattg 660
gaaactttgg aaactcagga aattgctctg acaatgtttt aactgctctc aatttaagaa 720
aatgacgaaa tgtataaaaa agacaaaaat aacgtgtgct gttttttcca agtgcttttt 780
ctaagtgctt ttccattgtg caatgaggtg aagtttggta atttttcggt gtagtagtta 840
aatattgctc aatttttatt tacatgtaaa gaaaacagat ttaaatgttt atgtggccaa 900
aaggtgtcat ttaaaaggta aaataagttt atgtagaatg tatgttcnat ggtgcttatt 960
tttaaaatgt aattcaagtt tacagtatta cttaatgctt ctttacagat ttaatagaga 1020
aacaaggcta gaacacatct acatcctgaa gagccgttta taacttcata ttatatgatg 1080
acaaagttca ttatttttcct taaagttgag caattgactt ttatggtcca atgatgaact 1140
tattattaat aaatgattga gttaactgtg aggcttctca ttaaaataca atattgcagc 1200
tatcagttgg agaatatatt ataaaatttt cagacagtat atcagaaaaa tgtttttatt 1260
tgtactgtat agaaaatgta attttgctgt taactctgta ctttttaaat tgaaaatgtt 1320
ttataaattt gcttttaaat tttcttatga agccatttgc aaattacata cttaatttaa 1380
taaaatactt tagccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaact 1440
cgag 1444

<210> 1310
<211> 353
<212> DNA
<213> Homo sapiens

<400> 1310
atgaaactga actatcttct ttttcttttt attccttctg ggataaagga gaagtaattg 60

taggaaaggt tatgaaacca ttttacggaa aagtagttag aaattaagcc aggacaatgt 120
cattaagtct tcagtgacat ccctaggtac agcttttgtg ttttcatctc cttttgtgtt 180
ttcaagtgaa tagcagaaaa acccttttaat ggtgtgcttc ctgtactggg ctacacagtg 240
gtgtwccaag gtatatatga aaccacagtg taaacaaggc ttgtcttccc aagacatcaa 300
ttttgataga aaawtgtgtg tgttcatgtg tgtgtgtgtg tctgggtgta atg 353

<210> 1311
<211> 927
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (729)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (773)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (889)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (903)
<223> n equals a,t,g, or c

<400> 1311
ttttgcaaat ataacaataa tagtaataac acaattttgt catttaaaaa attacccatt 60
catttttcaa acttgactgt tagtggaggg gtatatgtgt gtctgtgttt ccacttatgt 120
aatggctgtc tcattattta aattaattta taattatttt tcagtgtaca gagtgattag 180
cggcttgtaa tgctgttaca atgtagcatt gtaatgtaag atgaaggaaa aattaggatt 240
taggtgggat ttttaaaaat ttatcaattc agctactttt taaaagaagt cctattccaa 300
ttggaccttt aaaattttta ttttggtaat atttcmactt argrtgtwtt aaaactrgcm 360
attctgtggt aatcagtgta ctagtcaaca ttaaaatgct attttgggtt gtcttctttt 420
ggtaacatat tctgacacta agcaacatgt tttacaattt agtggratga acctacaaat 480
tcataaatgc ttctctttat tttgaaggaa aaagatactt gtctgtatac gacataattg 540
ttttactctt cagaatgtga aagttatatt aatcactaaa cactttaaga agtggttctg 600
gtaggatatc agtagtcaga cttaattgaa aaactgtcag cgtctgtttt gtatataggg 660
attaaagagg ataactttat tttttccttt ggaaagaata attcttttgg aattttggaa 720
ttttgattnt cttagatgac tttttagcaa tttaatgata ataatttcta ttnttcttcc 780
aaaactatgg catgttatag tagatcttac tattaaagat ctgtgtatat tttaaactgt 840
ttttttccta ttctgctttt tgctgctctc aaagactgtg attgatganc atcaccaaac 900
ttnttttgtg ggcaaactgc ttatttt 927

<210> 1312
<211> 504

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<400> 1312
aatcatanca tttaatttta agattaagaa tattggcaaa gatttgttta tttttacctg 60
tctttattca aatgttctaa tatacattag ttccaagttc tctattactt ctaaatagaa 120
tatacatgat caaaagagta tgcctctttc taaatgagaa aaactttata ttataaatcc 180
agtgatacgg atactatcca tcatttttgtt ttgtatggcc taatgtatat cagtaaacta 240
aatagactta aatgtggctg gattttgact gggaatatgg gaagaacaaa gcaggtgaga 300
tcatgtatgt gactaaatat agcgttgatg cttaacgatg gcctctgagc atgttaagtg 360
tacttatatt ttgcagccaa aaactgtatg tatcaagctc caaccatcta taataaagtt 420
tngggtccag ttccaagatg gnaaccaagg gtttttttttc cgagacgtta agaaaagtcc 480
ttcanccata attcttaacc ttcn 504

<210> 1313
<211> 864
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (815)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (848)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (862)
<223> n equals a,t,g, or c

<400> 1313
ctgcttaatt gaagtgtaat ataggttgta gaattgttac ctgcagttct atggttttgt 60
ttcacttctt ttctttttta aagccattct gttctttgga tgtgcttgaa agggtgtgtg 120
attacaccat tgttaatgct gggtaaaaac tatcttcttg cagccttgcc tcataacagt 180
ggaatttctg atagacaaac cacaggactt tgattttaag ccaaatccat ctccatccct 240
ttactgtcaa tcttctgtcc cagtagttta gcctttgtgg cttaggttat gatgcgcctc 300
cttctgtgcg accaatgaga cgacttcagc atcttttaa aataatctaa gcatcattga 360
agcagtaaca caaaaaaaag gttcagtatt ttctttttag tataacttac atcctttcaa 420
ataagtcttt gccctcatga agaatcccta gaggaagata aggaaaataa gtattttcca 480
gttttgcttg acagtttcta aacaaacaaa aataaactca atgaaaggaa agatgtttct 540
ttttagctga gatgacagat tgcttctctg tattaaatag tctagaagtt aaggggatgg 600
tcacatttac catgtattgt gttattagca gttaaatttt atgaatatgt ttgtaaaatt 660
gttgttttat atttcatgtc aaattgaaaa gtttatttct tcactattgt acctgtggaa 720
atacaagcca ttttacagga aaaaatcttc aaaaactatt aaatggatat cagcctgttt 780
tgtgagccat tgtcttcaga ttctgtggtt gtccnggggt catagggcat tagtaggttg 840
tacgggtnga ccgatttttc cntc 864

<210> 1314
<211> 869
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (784)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (836)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (852)
<223> n equals a,t,g, or c

<400> 1314
tnaaccctca ctaaagggaa caaaagctgg agctccaccg cggtgncgac cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgaggaa cagccaaagt ttatggaatg 120
gtgtgctgag gaggagaacc aagagctcat cgccaacttc aatgcccagt acatgaaagt 180
tcagaagggc tggntccagt tggagaaaga aggacagcca acaccaagag caaggaacaa 240
atcagataaa ctgaaagaga tttggaaaag caagaaaagg tcacggaaat gtaggagttc 300
attggagagt cagaagtgtt ctcctgttca gatgctcttt atgacaaact ttaaattatc 360
taatgtttgt aaatggttct tagagacaac tgaaacccgg tctctagtca ttgtgaagaa 420
gctcaatact cgccttccag gagacgttcc ccctgtcaag catcctcttc agaaatacgc 480
tccttccagc ctatatccca gttcactaca ggctgagcgc ttgaaaaagc acttgaagaa 540
atttcctgga gctacccctg ctaagaataa ttggaaaatg cagaagctct gggccaaact 600
ttcgagagaa tcctgatcaa cgtggagcca gaagatggca gtgatgtcag ccccggccct 660
aattctgaag acagcataga ggaagtcaag gaagatagaa acagtcatcc tccagcaaac 720
ctgcccactc cagccagtac ccggattctt agaaaatatt ccaatattcg aggaaagctc 780
agancccagc aacgttttaa tcaagaatga gaaaatggaa tgcccagatt gctctnggtt 840
gttggaagtt angccaagtt cgtaagagc 869

<210> 1315
<211> 1832
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1823)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1829)
<223> n equals a,t,g, or c

<400> 1315
gccggtggct gctgtctctg ggcgggccgt gggaggctcc cgaggtgggg gccggggcgg 60
gatggctgca gcggcggccg gggccgggag cgggccctgg gcggcccagg agaagcagtt 120
cccgccggcg ctgctgagtt tcttcatcta caacccgcgc ttcgggccgc gcgaaggaca 180
ggaggaaaat aagattttat tttatcatcc aaatgaggta gaaaagaatg agaagattag 240
aaatgtcgga ttgtgtgaag ctattgtaca gtttacaagg acatttagcc catcaaaacc 300
tgcaaaatct ttacatacac agaagaacag acagttcttc aatgaaccag aagaaaattt 360
ctggatggtc atggttgttc ggartcctat aattgaaaaa cagagtaaag atggaaaacc 420
agttattgaa tatcaagagg aggagttgtt ggacaaggtt tatagctcgg tgctgcggca 480
gtgctacagc atgtacaagc tttttaatgg tacatttctg aaagccatgg aagacggagg 540

cgtcaagctt ctgaaagaaa gattagagaa attcttccat cggtatttgc aaacgctaca 600
tttgcagtca tgtgacctac ttgacatttt tggtggaatc agcttcttcc cgttggataa 660
aatgacttat ttgaaaatcc agtcctttat taatagaatg gaggaaagcc tgaatatagt 720
caaatacact gcttttctct ataacgatca gctcatctgg agtggattag aacaagatga 780
catgagaatt ttatacaaat accttaccac ctccctttty ccaaggcaca tcgaacctga 840
gttagcagga agggattctc caataagagc agaaatgcca ggaaatcttc aacactatgg 900
aagatttctt accggaccct tgaacctcaa tgatccagat gcaaaatgca gattccccaa 960
aatttttgta aatacagatg acacttatga agagctccat ttaatcgttt ataaggccat 1020
gagtgcggct gtgtgcttta tgatcgacgc ctctgtccac ccaacgttgg atttttgccg 1080
aagactggac agcatcgttg ggccccagct cacagtgctg gcctctgaca tctgtgaaca 1140
gtttaacatc aacaagagga tgtcygggtc tgagaaagaa cccgagttta agtttatcta 1200
cttcaaccac atgaatctcg ccgagaagag cacagttcac atgaggaaaa cgcccagcgt 1260
gtcgctcact tccgtgcacc cggatttaat gaagattctc ggtgacatca acagtgactt 1320
taccagagtg gatgaagatg aggagatcat tgtgaaggcc atgagtgatt actgggttgt 1380
tggaaagaag tctgatcggc gggagctcta tgttattttg aatcaaaaaa atgcaaacct 1440
gattgaagta aatgaagagg tcaagaaact ttgtgcaacg cagttcaaca acatcttctt 1500
cttggattga cggatgacgg ctcacygaga gcatatctaa aaaacactct gcaaacattt 1560
ggtcacatgc aagttagtgg tcatatgacg gactgcattc aggacaaggg taaagcaata 1620
cttgctttga agaatcacat ttcgactcgg tctgctgatc tgaggttttt agattttaaa 1680
tatttatgtg gaattaatta aaggtagttg gctatatcgc tatcatttca ttcttttgac 1740
attatgtgaa tattttactg gaaaataaga ctaataaatt gttaaaagtt tttaaaaaaa 1800
aaaaaaaaaa aaacgggggg ccncccaana gg 1832

<210> 1316
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<400> 1316
ggagttatca agtggaggag ggattagaac ccaggtatct tgagcccaag caatttgaag 60
gtgtttaagc taattctttt ctatgttttt ctggctgttt atgtactttt gaagtcttta 120

tctttctgtg ttaaaatatg tctatcgtta ttgcatttta cagcatcaaa aattaagaat 180
acttacattc ttctayaaat tgatgcttca aaatagaaaa tttggaattt cagaagctcc 240
agtacagtaa ctaatctgaa attattgatg cattttcttt cgtcagggaa taactttgaa 300
agattcaaat gatttcaaaa tccaactttc taacgtctgg gagagaattc ctcaaacaca 360
tttagcagtc aaaacaattc tatagagtat aaaagatgaa gcatggcact tcgaagtaaa 420
ggttacagtt tctataaatg agaaaaggcc gaatatttgc tagcaaaata tttttagcag 480
gaaagaattt actttgggag gtacttaggc atgttatatt aatactaatg tacaagttca 540
gcaatttgta ggagtggaaa gaattggatt aaagtanaaa gtcttaatat ctacaccntt 600
aaaatgggga naagcctgtg aatgtgactt aatcaaatcc tggtagntaa accagt 656

<210> 1317
<211> 2520
<212> DNA
<213> Homo sapiens

<400> 1317
ggcactggag tccgagtccg cgcactcgtt acctgaacag gcgttacagg ccctttggcg 60
cctgcgtatt cgtgaagtgt gaaaaaagcg cgcctctgtt gggacgggaa atcagccttt 120
ctattggtca gggttagaaa ccccgccttt gaggcatttt caaccaatgg aagcgcggca 180
ttcttcattt aaactgtcta taaatttctg cctagtcaaa gttaagagtg gcgccakgga 240
tttgaaccgc gctgacgaag tttggtgatc catcttccga gtatcgccgg gatttcgaat 300
cgcgatgatc atcccctctc tagaggagct ggactccctc aagtacagtg acctgcagaa 360
cttagccaag agtctgggtc tccgggccaa cctgagggca accaagttgt taaaagcctt 420
gaaaggctac attaaacatg aggcaagaaa aggaaatgag aatcaggatg aaagtcaaac 480
ttctgcatcc tcttgtgatg agactgagat acagatcagc aaccaggaag aagctgagag 540
acagccactt ggccatgtca ccaaaacaag gagaaggtgc aagactgtcc gtgtggaccc 600
tgactcacag cagaatcatt cagagataaa aataagtaat cccactgaat tccagaatca 660
tgaaaagcag gaaagccagg atctcagagc tactgcaaaa gttccttctc caccagacga 720
gcaccaagaa gctgagaatg ctgtttcctc aggtaacaga gattcaaagg taccttcaga 780
aggaaagaaa tctctctaca cagatgagtc atccaaacct ggaaaaaata aaagaactgc 840
aatcactact ccaaacttta agaagcttca tgaagctcat tttaaggaaa tggagtccat 900
tgatcaatat attgagagaa aaaagaaaca ttttgaagaa cacaattcca tgaatgaact 960
gaagcagcag cccatcaata agggaggggt caggactcca gtacctccaa gaggaagact 1020
ctctgtggct tctactccca tcagccaacg acgctcgcaa ggccggtctt gtggccctgc 1080
aagtcagagt accttgggtc tgaaggggtc actcaagcgc tctgctatct ctgcagctaa 1140
aacgggtgtc aggttttcag ctgctactaa agataatgag cataagcgtt cactgaccaa 1200
gactccagcc agaaagtctg cacatgtgac cgtgtctggg ggcacccmaa aaggcgaggc 1260
tgtgcttggg acacacaaat taaagaccat cacggggaat tctgctgctg ttattacccc 1320
attcaagttg acaactgagg caacgcagac tccagtctcc aataagaaac cagtgtttga 1380
tcttaaagca agtttgtctc gtcccctcaa ctatgaacca cacaaaggaa agctaaaacc 1440
atgggggcaa tctaaagaaa ataattatct aaatcaacat gtcaacagaa ttaacttcta 1500
caagaaaact tacaaacaac cccatctcca gacaaaggaa gagcaacgga agaaacgcga 1560
gcaagaacga aaggagaaga aagcaaaggt tttgggaatg cgaaggggcc tcattttggc 1620
tgaagattaa taatttttta acatcttgta aatattcctg tattctcaac ttttttcctt 1680
ttgtaaattt tttttttttg ctgtcatccc cactttagtc acgagatctt tttctgctaa 1740
ctgttcatag tctgtgtagt gtccatgggt tcttcatgtg ctatgatctc tgaaaagacg 1800
ttatcacctt aaagctcaaa ttctttggga tggtttttac ttaagtccat taacaattca 1860
ggtttctaac gagacccatc ctaaaattct gtttctagat ttttaatgtc aagttcccaa 1920
gttccccctg ctggttctaa tattaacaga actgcagtct tctgctagcc aatagcattt 1980
acctgatggc agctagttat gcaagcttca ggagaatttg aacaataaca agaatagggt 2040
aagctgggat agaaaggcca cctcttcact ctctatagaa tatagtaacc tttatgaaac 2100

ggggccatat agtttggtta tgacatcaat attttaccta ggtgaaattg tttaggctta 2160
tgtaccttcg ttcaaatatc ctcatgtaat tgccatctgt cactcactat attcacaaaa 2220
ataaaactct acaactcatt ctaacattgc ttacttaaaa gctacatagc cctatcgaaa 2280
tgcgaggatt aatgctttaa tgcttttaga gacagggtct cactgtgttg cccaggctgg 2340
tctcaaactc caccaaatgt acttcttatt cattttatgg aaaagactag gckttgctta 2400
gtatcatgtc catgtttcct tcacctcagt ggagcttctg agttttatac tgctcaagat 2460
cgtcataaat aaaatttttt ctcattmaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2520

<210> 1318
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<400> 1318
aaatatgtgt cttttacagt cttttgtcat tctgacattt ctggattttt gctgttttat 60
aatttaccct ttgttattca gaagcatgct tacttataga aactaaatgg tctttataaa 120
agtaattact taaaaagaaa tctggggaag aaagatatct atctaatcta ttaaatcttt 180
ataaaacatt acattgcaga gggggagcta ctcctaaata ttttcatgat ttgcatggtt 240
taatcagatt ttttttttt tacaccatat tagctacctt ttcaatggag aagagacagt 300
tcacacaatt ccctgrttag cacagatgtg gactgagtgc tttgtcacct gcagrgtagt 360
aamccagtga tgtttcttac agaagcacaa tatgttgaaa atccngggtg tgaccaatat 420
ggaataaaga agaaggcaga aagagagcaa atgaaaaatt tcaacttgta tattcatttt 480
ttacattttg ctttgacttt taaatttagg aagtccgttt ttacctgagn acaaatgttt 540
aaagttcctg cgtcactctc agtactctca ctgcccctcc ca 582

<210> 1319
<211> 1099
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1077)
<223> n equals a,t,g, or c

<400> 1319
agccgggagg cgggaggcgg cggccgcggc ggctgctgct gctgcagtgg gacaggtggc 60
ggcgaccggc ggcgtccgag gagatttaat ccagagactg acttcactat agaacccaca 120
gttgtatcaa tggttgggga aagatagtgg caacaggcaa aggagaaaca gctctgacat 180
acaaagaaaa tgagtatgct aaagccaagt gggcttaagg cccccaccaa gatcctgaag 240
cctggaagca cagctctgaa gacacctacg gctgttgtag ctccagtaga aaaaaccata 300

tccagtgaaa aagcatcaag cactccatca tctgagactc aggaggaatt tgtggatgac 360
tttcgagttg gggagcgagt ttgggtgaat ggaaataagc ctggatttat ccagtttctt 420
ggagaaaccc agtttgcacc aggccagtgg gctggaattg ttttagatga acccataggc 480
aagaacgatg gttcggtggc aggagttcgg tatttccagt gtgaaccttt aaagggcata 540
tttacccgac cttcaaagtt aacaaggaag gtgcaagcag aagatgaagc taatggcctg 600
cagacaacgc ccgcctyccg agctacttca ccgctgtgca cttctacggc cagcatggtg 660
tcttcctccc cctccacccc ttcaaacatc cctcagaaac catcacagcc agcagcaaag 720
gaaccttcag ctacgcctcc gatcagcaac cttacaaaaa ctgccagtga atctatctcc 780
aacctttcag aggctggctc aatcaagaaa ggagaaagag agctcaaaat cggagacaga 840
gtattggttg gtggcactaa ggctggtgta gtccggtttc ttggggagac cgactttgcc 900
aagggggart ggtgtggcgt ggagttagat gagccacttg ggaagaatga tggcgctgtt 960
gctggaacaa ggtattttca gtgtcaaccc aaatatggct tgttcgctcc tgtccacaaa 1020
gttaccaaga ttggcttccc ttccactaca ccagccaaag ccaaggccaa cgcatanggc 1080
gaattatggc gaccacgtc 1099

<210> 1320
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (654)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (663)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (714)
<223> n equals a,t,g, or c

<400> 1320
ggcctgatcc aagtgaccat tttcctttta gtttgacttt gggtgagttg cttagcttct 60
ctgagcctca ttttcttcat ctgtaaaatg ggggtggtca gcattgttgt tggaggaacc 120
gaatgcctca cccatggtgg gtacttcata ctgttagtgg tgggcaggtg tcctgtcagc 180
cccctccaag gaattcacca cccagcgagg ccactaaaac ctccagagta agtcaatcag 240
ccatactaag gaaagtgcta agggggacag acaaggtgag aagagaatcc tgtgggctgg 300
aggctgcaag gaataagcca agtagaagga gaggaatccc agcgggagga atggggggag 360
caggggcttg ggagatgagg acaggcttag tgatggtttg tgggagacag ctcttgaggt 420
ggagagcagg aggtaggggg tgagacaaaa gtagaagagg gcttcagacc gcaggcccac 480
aaggaggagg tccatgagcc cctgaagctg tttgcacaat tgttcctgta catgtatttt 540
tctgcgcaag actctgtggt ttcatcagat tcttcaagta gtctggggcc attaagawtc 600
cctggtccag ctgggtgcgg tgactcatgc cttataatct tcagcacttt gggnagggcc 660
ganggcaggg agggattcgc ctagagccca ggaagttttg gaggaccagc ctgnggacaa 720
ac 722

<210> 1321

<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<400> 1321
atttacgtat gttacatttt taagtatgag ttaaattgat ataaagtgtt cctcaatatt 60
taataatgta agctgttgtc atgacagtat tttttaaaaa taataacgta tattatagtt 120
acgaaacact tgtgccagat tagaacatca agcacagaag cagctgtatg atttacctgt 180
twttttgaaa ctttaatgtt taccttcccc katgtttaat tttnctgtgg tgaacacttt 240
tgttagaaca tggct 255

<210> 1322
<211> 246
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 1322
gcaaaaatac cataaactgg gtgtcttaca aacatttctg aaagttctgg aggctgggaa 60
ntctaaggtc aaggtcccag caggtttggt gtctggcnag ggcccattcc tcactgcctt 120
cttgctgtgt cactgcatgg tgggaggggc aagcaagctc ccacggcctc ttttacagcg 180
gcccarattc cattggtgag ggttctgcca tcatcacatc atcaccacgt caccttcagg 240
gctagg 246

<210> 1323
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<400> 1323
gaaaaacaag aaatagaaaa aaaggaagaa ggctgaacta aagcactaat tttataggtt 60
tagttttgtc agaatttagg acatttggaa tcctaacatt aaaagggaat ttatagawgt 120
ctgttcatac cttgtacagg aattctttgt acagcatccc tgtggaaggg cattttaacc 180
cacattcaat tccttcagtc ctaagaacca gctccaaggc agcttgctcn tctagctccg 240
tagtagccac cctggactta catgtttgaa tgcacctggg agggttttaa aagatcaagt 300
tgcccaggnc acanctgcaa accaattaaa atcagaatt 339

<210> 1324
<211> 366
<212> DNA
<213> Homo sapiens

<400> 1324
caatgccctt watatgtsct ctktgttcag ggaccytggc aggaaacact cgaattgggt 60
gatttragga gattgtggta aggggacagt ttacaaagct gtgggcatgt ataggaaagc 120
gcaagggata ggacagggtg ccgggctatt tatagtgata ttcacctctg gcctgatact 180
gggaggaggg ggggtgctcc ctgggacaag accctatgga tgaggcttcc tgacaagggg 240
agactgtgac cgtgctccct cctaccagag ctccctactg gcccagccca agcagaaaca 300
agagcccatt cacgtccatt cgtgtcatct cccaccgccc agtgcagagt ggagaaaagg 360
tctgga 366

<210> 1325
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 1325
aaacaatttg cttctggaaa caggacagcc ggggccgtgt tcctgcaaca gcagaccaag 60
caccgcgggc ggacccaggc aagcacggaa caagctgaga cggatgataa tatggataca 120
aaatctattc tagaagaact tcttctcaaa agatcacagc tcttagaaat gtgctacgat 180
gtctgtgaag gcatggcctt cttggagagt caccaattca tacaccggga cttggctgct 240
cgtaactgct tggtggacag agatctctgt gtgaaagtat ctgactttgg aatgacaagg 300
tatgttcttg atgaccagta tgtcagttca gtcggaacaa agtttccagt caagtggtca 360

gctccagang tgtttcatta cttcaaatac agcagcaagt ccanacgtat gggcatttgg 420
gatcctgatg t 431

<210> 1326
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<400> 1326
taattttgta tttttagtag agaaggggtt tctccacgtt ggtcaggntg gtctggaact 60
cccgatctca ggtgatccac ctgcctccca aagtgctggg attacaggcg tgagcaccac 120
gcccaggctc tgacattntt gaatatccct atcaacccct ctcacccacc caaagcctgc 180
tgctcaaagc agctctaagc agaagagatg gagaaacatt cagactgggt ggagcatggc 240
ccaggctgtg ttgctgccca cttctgtcta gatgggcagt tcttgacttc cccgnctgac 300
gctgctgagc agccacagtc ccgactgcat tctggcttgt acccttacta tagtgccagc 360
cacagagagc agccagcagc attttaagta gncaggaaag gcccttctca cagcagtgct 420
tggg 424

<210> 1327
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 1327
gctttttttct aattgaagct tggcaagcrg agggaaatgt attagggaaa tagctttagt 60
tttgagtggg tgtcagtagc cagctgaaga aaaagcmaaa tgaaataggt agtagaaatg 120

agaagggaga gagggaaaga aagaaaaaaa tggatgttgg aaattttgtt gcatgttctc 180
tctggatact ccaaaattat cattgtggtt attgcctcac ttggcttttg ttagccatga 240
aaaaccagga acatttccac taccatttcc tgaccatcca tcaaccacaa tttttaggca 300
ttnggttaaa atttt 315

<210> 1328
<211> 1867
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 1328
cagtttctca agcgaccgat gttgaggtgg gaactgacct tgtcccttct gtcacggtga 60
aggtcacact gcagaacaga gtantattgc aaaaagccaa attatcagtc tacgtgcaac 120
caccattaga attgacttgt gatcagttca cctttgaatt tatgaatcga aatcctgatg 180
gcattccgcg agttatccaa tgtaaattta gacttcccct aaagttaatt tgcctaccag 240
gtcagccttc aaaaactgca agccacaaaa ttactattga taccaacaaa tctccagtca 300
gtcttcttag tctcttccca ggttttgcca gtcagtcaga tgatgatcag gtgaatgtaa 360
tgggttttca cttcttagga ggtgctcgaa ttactgttct tgcttccaaa acttctcaac 420
gatatcgcat tcagagtgaa caatttgaag atctttggct cataaccaat gagcttattc 480
ttcgccttca agaatatttt gaaaaacagg gagtcaaaga ttttgcatgt tctttttcgg 540
gatctatacc ccttcaagaa tattttgagt tgattgatca tcattttgag ctacggataa 600
atggtgaaaa attagaagaa ctcttatctg agagagctgt acaatttcgg gccattcaac 660
gccggctact agcaagattc aaagataaaa ctcctgcccc tcttcaacac ctggacacct 720
tgttagatgg aacctacaag caggtaattg ctctagcaga tgcagtggag gaaaaccaag 780
gcaatctgtt ccagtcattc accaggctga agagtgccac ccatttggtg attctgctga 840
tcgcgctgtg gcagaagctt agtgctgacc aggttgctat tctggaagcg gcatttctgc 900
cgctacaaga agacactcaa gaattgggct gggaagaaac ggtggatgcc gccatttccc 960
acctgttgaa gacttgcctg tcgaagagtt ctaaggagca ggctttgaac ctcaacagcc 1020
agctgaacat acccaaagac acaagccaac tgaagaaaca tatcaccttg ctctgcgata 1080
gattatccaa aggtggccgt ctctgcctaa gtaccgatgc agcagcccca cagaccatgg 1140
tcatgccagg tggttgtact acaatcccag agtcagacct agaagaaaga tcagtagaac 1200
aagactctac agaactgttt accaaccaca gacatctcac tgcagagaca cccaggcctg 1260
aagtttcacc cctccaagga gtctcggaat aattcaagta gagttgtttg gttgagagga 1320
acatccccat ctcaaggccg aacctgtgtg aacctcatgc caagcacaga tatagggctg 1380
gcgcaggtgc ttcctaaagc tcaccttcct ggagatgaca tgcatagaaa gaggggttgg 1440
gacttttac ttcactagga gaacttgtaa caccatgggg aagtcagctg aaacttgtct 1500
tgttttgcca ggaaaggaag tagttgcctt tggtcatcca tctgctaata gtcacagaat 1560
acagtgaaat gacatagttt tgggttagat tttataatgc aaagattcag atccaaaata 1620
atttcatacc ccatttttc acagaattct tatatagtaa atgtatcaag tttaataaag 1680
catctcattg tcaaataata tcttggattt tatttataat tagagggatt tatgagtgat 1740
tgctctacat tatttcttca aaggaaagga aaggaattga agactttgct actctctggt 1800
aagacttgaa tgtgattatt ttataaataa ragaaccact atgaaacttt aaaaaaaaaa 1860
agtcgac 1867

<210> 1329
<211> 537

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<400> 1329
ggttaaaata taaccacaat gaatccgaca agtcactgca aggactgtgt gctttatttt 60
gatttgtcat caggaatagg cgatacactg tttggacatc atgaaggaac aatgcaaaat 120
ccatcctttn aaaattcatt tttaagttcc atagaagatc caaaaaacca gacttttaga 180
gtataagcag tcaaacttaa gaaaatatta tatttactta tgaatagatg ctaagtcaaa 240
agtaagtccc taataaattt taatgtactg ttgttcacta aatgttccta gtcatttggg 300
ctcagtagtt cagtcattta tcataatgtg tatcaagata gttactggat attgaggtat 360
tgtttataac attacaaata gaaaaatcct agtgtttggg ataggaaatt aatcatatct 420
tgtcgatcca aacagtggag tgcttttctg gacattatag atgataatgt aggtatttgt 480
tgatatacag agataccaga aaaaagccca tatttacgat ccaatgccta ttttgta 537

<210> 1330
<211> 1351
<212> DNA
<213> Homo sapiens

<400> 1330
ctcagactgg tctcaaacac ctggcctcaa gtgatcctcc tgcctcagtc tcccaaatgc 60
tgtgattaca ggcacaagct actgcaccag gcctctgact acatttctat taatatggtt 120
aggttggagg ttttagtatt tttgtatctc atatttgtat caatatgact ggcttctttg 180
tctgtagtgt gtggtaatat tagttctgta aactgtcagt tgcaaaaaaa aaaaatacct 240
tgaactatag tatatgttga taattagcca taataatttc ttagttaatt tcttataatt 300
aaatttgtca aagaggaaac ttacagttta tatctgatga aatctctaaa aagatgggta 360
aaacattggg aaatgtatgc atgtacttca ctctggtttc atagggttag caagtgtctt 420
aaaaacatat ataaagaagc acagagattg ttaggagata tttatgctcc cagttttaat 480
aattgggata ctttgtatac cacagaaaga aaaattacta aactcctctt tttttagtca 540
aaattggaaa aaaagtctta attgacagtt actatgcctg tgctacccat agcaagtatt 600
cagtggaaaa tactttacta agtaagtaat ttgaacacag cttaaaatcc atagtatgtt 660
acaattgcta gcctttcaca aagtttgcat tgtcttaatg tagaaggata ctgtgatcta 720
agaattcaca attttaaaaa gtggaaccta aatagggttt cctaattgcc atgaagttat 780
ttgtatctta gatgaattat atttacaaca ttgtaaatgt cagtgggtga tccaraataa 840
attgttrrag ttattaraat gtacatttra gtaggtttca gtttgactag aaataattgg 900
caagaaggca agaactagtc ttctagagca gggatcccat cccccaggtc atggactggt 960
actggtccat ggcctgttag aaaccaggcc acacagcagg agatgagtgg aaagcaagtg 1020
aaacttcatg ggtatttaca gcaattcccc gtcgctcgca ttaccacctg agctgtgtct 1080
cctgtgagat cagcagcagc attagattct caaggagcac aaacccttt ggaactgtgt 1140
gtgagggatc taagttgcgc atttcttatg agaatctaat acctgatgat ctgttgttgt 1200
ctcccaccac ccccagatgg gaccatctag ttgcaggaaa acaagctcag gctcccactg 1260
attctayatt atagtgagtt gtgtaattat ttcattatat ataacaatgt aataataata 1320
gaaataaagt acataataaa tgtaaaaaaa a 1351

<210> 1331
<211> 1231

<212> DNA
<213> Homo sapiens

<400> 1331
ctgaacactt gaaacatgat gaaagagcca cagagttggc agaactgttt gaaaatgctg 60
tgcaagcggt cttctctgtc ttctttatgg ccagtaaaat tctccagaag agatttatgg 120
cagcctcact cccagtagtt tctgcattta gtgagataag gaatggattt tcttctgtgt 180
attgctgaca cgaacaggag acggaaatac tgagtagaag agrgcggttc cctgctaagg 240
ccccaccctc aagcctggat acccgcggcc ctaaatgaga agaggcgttt ctgtttgggg 300
cccaaaaagt tgccttttga cccaccacgc cccctatcct gcccccatat aaaccccaaa 360
ccccaacctc cagagcatac cagcaggtga ggagatacga ggcaagccga ctgacggcaa 420
aacgacgtag cagagaaaga gagaagagga gggacgtctg gacaccgaga gatgtttggc 480
tcggggcagt cagagcggag tccagcccct gggcggccca actccagggg aagatcacct 540
tcccacttca tccatcccca cccttccagc tccccatcca tcctgctgaa agccatttcc 600
accactcaat aaaacctcgc attcatcctt caagtccgtg tgtgacccga tttttcctgg 660
attctggaaa agagctcgga atacagaaag ctgtcccctg gtcctttgcc cttgtgaaaa 720
agcagaaggt ccattgagct ggttaacact ccagctgtct gtggtggcca agctgaaaga 780
gctttgtaac actggggttg caggcaccca cctctagacg ctaccgcaga gccagagccc 840
aaagccctca ccccggcctc tgcacttgcc catctgcgtg ctccccctct cgcaaggggt 900
ttctgcagag ggggctactg aacaggtgag ccacacccct gtcgcacgcc ctgcaagggg 960
aatcagggaa ctcttccgtt tcattgcttt gaccacatcc tataaatctt gttctccttg 1020
tctttcagct ccaatttgtt tatacattca gtttttactt ttgactttac tcatgattta 1080
ttatagaaag atgtttaaca attttcaagc aaatggaata atttttgctc ctctttcgtt 1140
gttaatttat tattcattgg agttagaaaa ttgttgctaa aataaattct gcattttgaa 1200
atttaaaaaa aaaaaaaaaa aaaaaaaaag g 1231

<210> 1332
<211> 1280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1166)
<223> n equals a,t,g, or c

<400> 1332
cacgacaggt ttcccgactg aaaagcggnc agtgagcgca accccantta atgtgagtta 60
gctcactcat taggcacccc agnctttaca ctttatgctt cccggctcgt atgttgtgtg 120
naattgtgag cgnataccaa tttcacacag gaancagcta tgaccatgat tacgccaagc 180
tctaatacga ctcactatag ggaaagctgg tacgcctgca ggtaccggtc cggaattccc 240
gggtcgaccc acgcgtccgg gaggcagagg ttgcagtgag ccgagattgc gccactgcac 300
tccagcctgg gtaacagagc aagactccat ctcaaaaaaa gaaagaaaga aaaaagaaag 360
tacaagttta taaagtatta tagtgaaaaa ttcgcattct ggctgatttt aagccattta 420
aaatttatat aaaacaacct tccataaaaa tttgacaggt gcccagatgt tgctttctcc 480
atttatttt tgttttttt taatcacagt aggtctgata gagaattgga gctaaattat 540
aatatttttg ttggtaaagt tgagttatat acttgtacat acaatggaaa tgcttttagt 600
agtgattatt tagcaatttt tgtttttgtt atattaggca tgtttggagg ctttcctatt 660
ctagcattta aatttaaatt ttattaaaat taaataattt aaatctagca tttaaattta 720
aataatttaa gtctagcatt tacttttaaa taattataat gaagttttga aatactaagt 780
taatccagac ctttagttgt cccatggtgt taataaagtt gccaaagaag atgtattatg 840
aacaattcag caataagaca attgtcaaca cagttgagaa taacaatggt aatcgttagt 900
aatatttaga attggaattt gcctactgaa atagttatag atgattactt gtgatgtgaa 960
actgaattga gcatgacaac cagacatttc cagttggttt tgtaagtttt gagaatctag 1020
atactgggtt ttatttttg aaagattagc tctgtttgta agggctgatt ccttgaaaat 1080
gtaattttcc agaaaaacac ctaaagaaaa taaaacatgg acatgcctag taaaaaaaaa 1140
aaaaaaaaaa aaaaaggggc ggccgntcta gaggatccaa gcttacgtac gcgtgcatgc 1200
gacgtcatag ctcttctata gtgtcaccta aattcaattc actggccgtg ttttacaacg 1260
tgtgactggg aaaaccctgg 1280

<210> 1333
<211> 128
<212> DNA
<213> Homo sapiens

<400> 1333
ttggccaaag aggttaaacc ccgggggttc cccgggggaa aaattttccc ccccgggggg 60
gktyccggaa acccccccaac cggcccggtt ycccccgggg ttcccaagtt taaaacccca 120
aaatttgg 128

<210> 1334
<211> 438

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<400> 1334
catgcgcaag gagaagcgcg tgtacagccg cttcgaggtc ttctgcaaga aagaggaggc 60
cagcagccct ggggcagggg aaggccccgc ggaggagggc accaggggac agcaaggtgg 120
gcaagttcgt gcccaanatc ctgggcacgt tcaaaagcaa gaartgatct tctggcctgg 180
caacccargc caggtgcccg catcgctgcc ccggtcatcc agaaccccgc ggaacarara 240
ccctgctcat gtgcttgagc agcggctgtc agccacggcc gcttggggct tggctgagtg 300
cgccagacct cggctccact ggaggctcaa catgcagctg ccgtctctgc cccctggcct 360
caccaacagc tgggctgcac ccctcgccac cagtgccttt ctcccctcag caccttcatc 420
tctgcaccgt cagccttg 438

<210> 1335
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<400> 1335
gctcacttta cctctcagag actacttggt gaatttctgc actggtgtgt attctcttgc 60
ctggcaagtt aatagactaa gtttcacttt gtgtgtgtgt gtgtgcatgt gtgtgtaagc 120
actggtggtc tttgttttat tctttgtttc tttgattcct gtgccacctc ccttccccat 180
tctcccaaaa aagacaagac aaaattaagc acaaatcctc acatttktgt gtgtttatca 240
katacactta caactgtgcc cattattatg tcaagttaca taccttgcaa aatatgggtt 300
gtctcctata ctgctggctt gcatctcacc ttggaaggca aaaaanaagg 350

<210> 1336
<211> 490
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<400> 1336
aaggttttga ctgtgttggg gtgggggttg ggtaagggaa tggtcaagac tgagaaagga 60
atgaaatcca ttcaggaaat atcgacaggg ctacacrtga tgtccccaaa ctgctgctat 120
tgaagaactt cccaaaactt ctttacaaag ccctaaagga aagtttgcat ctatgaaaag 180
ccaataggtg agacatccaa ttgctgcatg gaaattgatg tacattcagg ggacggcaaa 240
aatagctgta aaatagtgaa aaagagcagt ggttgtgctc ttttctggcc aatgrtttac 300
aaaaggaatc tacttggact tctgtcccgg gggtkgaaat ccttaggggt tkggaacttg 360
tgggggaaca tttcccaact tggctaaggc aggggttccn ctgggggagg ggaaggntct 420
attctggggg aanttcaccc ccccggcggc accacacttt tccccccggg gttccccaag 480
ggccccgcag 490

<210> 1337
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (676)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (734)
<223> n equals a,t,g, or c

<400> 1337
atagaattct gatgattatg accttctgat aatgaacact ttttccttta gagtgattta 60
aaaatttctg tatttttgaa atcagtacta attgtcattt ttttctctca cagcttcata 120
ttctccaatt cagcctcatt ctctaataaa acatcagcag attcctcttc attcaccacc 180
ttccaaagtt tcccatcatc agctgatatt acaacagcag caacagcaaa ttcagccaat 240
cacacttcag aattcaactc aagacccacc cccatcccag cactgtatac cactccagaa 300
ccatggcctt cctccagctc ccagtaatgc ccagtcacag cattgttcac cgattcagag 360
tcatccctct cctttaacag tgtctcctaa tcagtcacag tcagcacagc agtctgtagt 420
ggtgtctcct ccaccacctc attcaccaag tcagtctcct actataatta ttcatccaca 480
agcacttatt cagccacacc ctcttgtgtc atcagctctc cagccagggc caaatttgca 540
gcagtccact gctaatcagg tgcaagctac agcacagttg aatcttccat cccatcttcc 600
acttccagct tcccctgttg tacacattgg cccagttcag cagtctgcct tggtatcccc 660
aggccagcag attgtntctc catcacacca gcaatattca tccctgcagt cctctccaat 720
cccaattgca agtnctccac agatgtcg 748

<210> 1338
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 1338
cctaggcctc ctatttattc tagccacctc tagcctagcc gtttactcar tcctctgatc 60
agggtgagca tcaaactcaa actacgccct gatcggcgca ctgcgagcan ta 112

<210> 1339
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<400> 1339
ncgtcgagga gcctatgaat gcgatatcag cgttatcaga aagscgaaaa aaacttaagt 60
tgaaccatyc taagtcgggg actgtctrtc caccettgcc gacttgacct ctttttcccg 120
gttctctaga gtcagtatac caccagcccg ttctccaccc cgcaaggcgt gctttggaag 180
cctgactcta atcgcgtcct cccctgccta aaaccctgct gtgatttccc attaccctta 240
gtacagagcc acattcctta acgtgtccga cgtggtccgg ccctcccaca cgtctgcagt 300
ttcgttttcc gccagccttg gscttgcttt ctgctcttcg gttcctcaca ccatgattcc 360
tctaggccar gcgtttgcat gcgctgtctc scctgtaaaa ctaacttccc ttcccttgtg 420
ggctcagatc ccggctcagg tagcaggtgt gaggtcaagc agaggaggtg aatcttcttg 480
gagagcaggt agcatagtaa gaagaaaggg ccatggtcag aaccctggag aacaccggta 540
attaagaggg agggganggag ggaangggat tanggaagga acagttgata ggaggagaag 600
cagagtgcta tcaacgaaac ct 622

<210> 1340
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 1340
gtaacaggag gatatcgtaa ttttctactg ttttattcct ctgttagacc gggccttgac 60
atgaatgacg ccgtaaggga naaagagatc ttcccaatca gcaatcaccg taaaagcctg 120
ctgtgttccc gttaaaatta ggaaattctc actagatgaa ttgacatggg aggcatttag 180
atttctaata gtcacatagt aattctgcgg aggaattgag tcatctttga tagccatgga 240
attaagcgat gttaattaaa gtgcaaaaga taacctttct gttcttacta gaatagagta 300
ataaaaagaa cctaggtttt cttttgtttg ctggaagaaa aatcaaaatt ctttagttct 360
gtcaaaccag aactcttgaa agcactttga acaatgcctg gaaaataaca ggtactctgt 420
aaatgtttac cttctctgca agtgcctgcc acgtgcccga agaaaagaca cattaaaaag 480
ttaagtgaca ccagtcctga ttttatatat tttatatacc taacaacgta tatgttagta 540
tgtagaaatt atatccttga ccttttttccc tacctattac gaactgtact tttattaaaa 600
gctgccactt aaaaataata aata 624

<210> 1341
<211> 962
<212> DNA
<213> Homo sapiens

<400> 1341
tattcattct tttggtcacc tagggatctt ctaagtgtga tattactttc agagaattca 60
gacaagtgag aaacaataat gtaggagtca gcaaagcaga attcagagac ttcagccaat 120
cactgctgct ctgagaggat ccagttagag actcagtatc agcggtcaga acttatctca 180
ctcctgtgaa ctttcaggct ggacttaaag ctgccaagtt tcccctgcag gaaggaaaca 240
ctgcytccct tcagcaggta gctcattrga aagccaamca ggcaaacgat cctggcctct 300
cccgccagct gaccgctctt cagcatccat gcggtttgta gtcgtgactt tctcagtcac 360
gatcaagggt gatttttttct taaatatcaa gctgttcttt gaacagggaa tgaacatgag 420
tttttgtaac gtgactgaag ttgagtttaa gtaggaagcg caggaagttc ccaagtgcca 480
ggtgtgtgta gctcagagtt cctttttacag tgaggtgtct ctcactgggg gagcttccak 540
gatcctgagc agactggaca caatcatctc tcccttcctc tatgtcaagc actgttacaa 600
aagactgtga gcaaatttcc atctaaatat taataattct gaagaagagg caaaactgtt 660
gaatgcaagc gatacctatt gttgaagaaa cccacaaatt tctgattcta agatcagggg 720
atacaacaaa atctacaagt catttcaaat agcacacagg aatcaaactt tggtaaatca 780
tttctgaggc acaattaaat atattgtagc actatgttaa ttaattatat taaatgtcga 840
ttcatcttga atgtattctc aattgcctac caaaaattgg tatgattatc atttctgggt 900
ctactgattt ttcatcatgg caacagaaat tgtcattaaa tagaattaag atacaaaaaa 960
aa 962

<210> 1342
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (234)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<400> 1342
agcgttgtta gtgcatgaag acaagctgcc agagggtttt ggttgtatgt tacacagtgt 60
gactagttcc tatctaaaaa ttagtgtact gtatttagct ctttatttaa aagtgaacac 120
taatttaact tatcttaaaa tattttaata gttcagacta ataatcatgg attttatggg 180
gattttgaaa gctttgtgtc aagaccatat ttttaacaat atcagaagct tttnantaag 240
gtgcttgttg ctgagctaat ga 262

<210> 1343
<211> 833
<212> DNA
<213> Homo sapiens

<400> 1343
cggacctggg gcgccttttgt ctaacagatc tcggtttcct aaaaaactaa accgcctggg 60
gctgtcgtcc cagagcccgg cagttaggac catgcgggaa gtgtcctggg gcatatagtc 120
atactgatga ggtgaaagat acacctcgga accaagggcc accctctact tttaaggaca 180
atggcgccgg gaccaagaaa ctacacttcc cagaaaaccg tgcggccgtg gcaaactctt 240
ctgggtctag cgtgcgctca cactaatgtt tatctcccgg gacgtgggca gaccttgtac 300
caggcgagct ctcgcctttg ctagcaaaag agctcctctc ttcccaaacc ctgctactac 360
gctgtccacc ctgtatggtc tttgaggtct ttgaggtttt tttggaattc acttgctgga 420
gactacagct cacagaacgc cctgggctgg attgtgccag ctgtagttcg cgaaccaagg 480
acatttcctg gaaatgcatg cggccacgta tctgtgacag aaatggcagt tctcacgtgc 540
gttacgcccc ctggaaggac ttggaaatac ggaacttgag tgagcactga gaggacacag 600
accctcatcc tgggaggagt cactcctccc gcagccatca gagcctgaca accgcttctc 660
accagaggcg cttcttagac cctgaccttg cccggctcac ccaaaggggc aatggccttc 720
tttgtatgca agccagacag tctactgttg tatatttgaa ttttttactt tatttttaat 780
attttaatta aattttaatt taatgctgaa aaaaaaaaaa aaaaaaaaaa ggg 833

<210> 1344
<211> 446
<212> DNA
<213> Homo sapiens

<400> 1344
tgagagtctg acatgcatat cataatttta tgtcaggtat tatagatatt ttgaaatggt 60
gactgactct tttgaaattt taagttcttt agaatgtgac gcttttaata tagcctctgg 120
ttttagatgg agaaacacta tgctattgtc attaaaaatt aattctattt ccccaattgt 180
ctaatatatg tcttaaaaga tctttcatat tgtgaaacat cagagggtac aacctttgtt 240
cttcagttta ggtattaaag agcacacaga atactgtgtg attaaacatg taaggccaga 300
taatgcattt gcaaaggttc ctttatttta ggtttaagcc tgcataattg tggtcttaat 360
ctcaggatag caagaaagag aattgtacat gaaagtattt acacaaagtt cccaaagccc 420
tgtggattat gcattagttt agataa 446

<210> 1345

<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<400> 1345
aattcggcac gagcagacct ggattgactg aggtgaaggg gctccttgca gcaatcacac 60
agaaggctcg ggtcttaaga ttggccctgc tcctagtcaa gctgtatgaa ccagggtagt 120
cactccggct ttcagggcct tgatttcctt gtctgtaaaa gggactttac gatgcatctg 180
gcaacctcac cttcctcact gggcaatktg aagaccaaat gccggcaatg aaattcccag 240
cattaggttt gtcatatagt agtcctctct aagcatttgt tgaatactca cagggacant 300
taggccagtc agcattattg aaataacagg tggggttttt tttanttgtt ttgttctttt 360
ncgaat 366

<210> 1346
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 1346
ggcaagggaa ccccaagctg cagaagctga aaggcggtga ggaggggcct gttctgatgg 60
cagaggccgt gaagaaggtc aatcgtggca atggcaagac ttcttctcgg attctcctcc 120
tgaccaaggg ccatgtgatt ctyacagaca ccaagaagtc ccaggccaaa attgtcattg 180
ggctasacaa tgtggctggg gtgtcagtca ccagcctcaa ggatgggctc tttagcttgc 240
atctgagtga katgtcatcg gtgggctcca agggggactt cctgctggtc aagcgagcat 300
gtgattgaac tgctgaccaa aatgtacccg ggctgtgctn gatgccacgc agakgcagct 360
tacagtcacc gtgactgaga arttctcart gaggttcaag agaacagtgt tggcttgtca 420

aaggnc 426

<210> 1347
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<400> 1347
gggcatcact ggtctcgcgt gcgcgtgacc aggncccggt ttccggtgcc aggacctttc 60
cgaagcgtcg agtggcctaa cggtcacagc tgtcgcccat cggagaggca ggactactgc 120
gagcagtttt accgcgacct ccggagccgg cgtgacaggc tctgtcayta aaataggtct 180
gtccagtcgt actttttcct caccttgaac tttccgtcac gggaatacac gatttggctt 240
aggggccggg gctctcctga ggagagaggg tttgctttgc ggggaagagc gagtcttgac 300
ttcgcagcct ccaatttcag ccgcggtgtg gaggggggtg ctttgggtgg tccccacagc 360
ctttccggag tgcccgcgcg tgtragcttt tgagatttga caatttgtga rgtgcttggt 420
gctgactttc ggggacgaca ggatcctttt acagtcattc tcctgtcagg graggcargt 480
ggggagcgag gaagatcaga wtcgtaacag acttgagtta aagaattgac aaactcccga 540
gntgatttcc tgtcanacct tttgcgg 567

<210> 1348
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<400> 1348
ccacctggag ctgcttcctg agttggcaca ctatcgtgta cacagcagtc ttcagccccc 60

tggaaggagg ccatagtcgt gtgaggatgg caaagtcgaa caggaagctt tgagtgcctt 120
cctccacgat gtcaacgagg agatccagtg ccagatcgag gtggatggaa cacccagggg 180
taggggtgca ggtgtgggca gtgatgtccc ttcccctccc tcccctggtc ccacagactg 240
tggccatgag gntgcaggct ggtgctatga cagcagattg cagcacaggg ccctcccctc 300
cagcccccag tgggacatca aaaccaccct ggggccattt gtgcagggca ccacctccag 360
tattgatggg gaaaataaac tcagtagagc cacgacaggg tggagagaag cagggaccat 420
tgtcttcctc aggagcgtga cagctgaccc cacagaccat gcttgctggt acacactggt 480
cccagaccca gcctgtcgga catcagcagt gtgctaaaaa cgtgtaagat gtcatastta 540
ccgtgtgtct atctagttga catgggtgga ntcagtaagg gg 582

<210> 1349
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<400> 1349
ggatacgaat tccctgattt tctaattgct ccagcaacac ctgttggtta tttccacgaa 60
atgcctgtcc ctgccagtca atatctacat ttgcgtccgg ttgttgcgtg atgttggcgg 120
tatcatcagc ggcagctgcg ccgtaaattt ttgccggacc gttgccagaa tttccacctc 180
atcgccaacg cgaatcacgc cgctattacg ggcaattaaa ttctgaccaa aatcgacatc 240
gccgttatcc tgggcaatgc ggaaaagatn gcatgtttt 279

<210> 1350
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<400> 1350
cagngagctg aattctgaag cctgagctac tgagaatgct gataaaagat gttataagga 60
ctgtgttgga acctgctgtg accaccccgc ttcataatgt tataacatag caattcagaa 120
tagtaacgta tgcccctcat gaaaagccaa gcagtgcaaa aatccactcc aaaaagccag 180

actccctccc agcactgagc cccagcttct gtgttcccct ctccaaaggc agtggttgtt 240
attagttact tgcatatcct gttggatatg tgttttctat cagggataaa ctatacagat 300
atgcayttac aaacatatca tattatttat ccttgacaga aaacacaagt gaagtttagc 360
cgacgatata cattgtccta caccttgtat tttagatcta acattgcctt ctagaggtca 420
acagtacaca tgaaartgcc tacgtctttt cattagctgg acagcatgct gttacatgta 480
tangttaata tccgaacctc agtctaacca tacctactgg gncttta 527

<210> 1351
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (614)
<223> n equals a,t,g, or c

<400> 1351
aaaactggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 60
ggaattcggc acgagtaaga agagctggtt gtgagaaatt agagataata cggaatctta 120
ttaatttggt gtcacgatat atagtaattt ttcactaatt tctgacccaa ggaaaataag 180
caattagtag taactaccat gctgtgtttg gctctagagg gcatttaaat ataaaaattg 240
ggtaatntta tgtatgttgt acaaataagt ttcattttac aaatgagttt tgccaaatat 300
tttacacact tctagtatcc ataccaaatc tttttaatga gctctaaatt ataaaagtac 360
aaaaagccac tggaattgag aggatgtttg caaagaagga aatcctgtgg tataaatgac 420
ccaaatttat agtattttca ccatactgta actagattga aggatttttc tattgcattt 480
tgtaatttgg ggaaaacctg tttatttctt ctgtcagact tctcttaatc ggaaatattt 540
atagtaaaat gtacacaaaa agtacttttt acattatagg tcatttaaa gttaacagta 600
ttgaaatatt taanatatag gcgaggcatt cactga 636

<210> 1352
<211> 554
<212> DNA
<213> Homo sapiens

<400> 1352
ccatagtaac tttatttttt ataatagaat tttctatttt tgaccaaaca taaaatattt 60
ggatatgggc caggcatgat ggctcatgcc tgtattccca gcactttgga aggccaaagc 120
aggagactcg gttgaggcca gtagtttgag accagcctgg acaacatagt aagattcatc 180
tctacaaaaa aaaaaattag ccggatgtga tggcacatgc ctgtaatccc agcactttgg 240
gagtctgagg caggaggatc ccttgagtcc aggagtttga ggcttccatg agctrtaatc 300
acaccactgc accccagcct gcrtgacaga gtgaaaccct gtctctaaaa agtctgaata 360
tgaaaattat attggcagca tactcagaca taaactccaa agttgtctct acactgattt 420
cacatctgca taatttttctg catacccagc aggtgaattt tcagtttttc tgggagacaa 480
ttttgaagag atggtgaaat agaatgggaa gttaaggagg ggaggtaaaa tgttttaaat 540
gagaagaaca aaaa 554

<210> 1353
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (672)
<223> n equals a,t,g, or c

<400> 1353
atagccaatt ctaagggatg tacttctgtt attatcaaca aaaaccttgc caacagctgc 60
ggcactggct actctcacct tatatgttta gttcccaaga tagcttgccc ttttccgaac 120
agcagtcagc tcgactgtgc cactaaaaca gacaaatatt tgctcgggaa tcacaaccac 180
ggggacttgc tcccccagtt aggaccatgg tacatatttg tgtgtatatt atggtgttac 240
atgcagatta atactttcaa ttaatcctcc tagttgcctg taacgttaac atttcaagat 300
gcatttagat atttttatcc tgtaggagga ttttgtttat ttgagggaaa aaaagggctt 360
ttaatgtatt ctcctcaaaa accatttaga gaaaacagat aagtaaaaat aaratttaaa 420
ttaccatatt tctatttaca gggatgagca cattaacatt ttatgtattt agtgatcctt 480
tttcctcatg tgtacacata tgtttttgtg tgttagtctt gcttgccctc cccatagtct 540
gaaatagktc tatgragttt atattawttt taaacytgat catatmcaaa ttttcaggga 600
aacaaaccac tctagctatt tggaggaggg aatgcaggtt tatattgggg gagttttgga 660
aactaccatg gnttccttac caa 683

<210> 1354
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<400> 1354
ttgctgattt ttgactttgc ttgtagctgc tccccgaact cgccgtctts ctgtcrgcgg 60
ccggcactgt agattaacag gaaacttcca agatggaaac tttgtctttc cccagatata 120
atgtagctga gattgtgatt catattcgca ataagatctt aacaggagct gatggtaaaa 180
acctcaccaa gaatgatctt tatccaaatc caaagcctga agtcttgcac atgatctaca 240
tgagagcctt acaaatagta tatggaattc gactggaaca tttttacatg atgccagtga 300
actctgaagt catgtatcca catttaatgg gaaggsttct taccattcag gcaatttagt 360
tacttcatct gtggagtaaa ggagtggatt ttattgtcnt tcgtcttaca ttcgtattta 420
tatnacataa gttt 434

<210> 1355

<211> 433
<212> DNA
<213> Homo sapiens

<400> 1355
gcgatagtgg gagtgttaaa gaagacagac taacagacac ctgttacttt ggtgtctgca 60
ttttagtagc tttcttttaa gcagttgtaa actgtgctag ggcatgtgct ttatctttgt 120
cttgcacctc atctcttcct tgacccactt gttatatgta tgaccacctt taagaatttt 180
aattttgtgt gctgcctccg tcactgctgt gaacacccac atggagtcag gcacccaccc 240
accctggcac ctgctagcac cctgctgcac ctaacaagtg tataccctgc tgcattgctg 300
ctgcttctgg tatgtgtgaa tgargacaat cttgttgctg tcacttacaa atgctttatc 360
tggcaccacc catcggtgtw tartgamtgg tggkctgara rtaccttagc cccaaccccc 420
scccacacca gtg 433

<210> 1356
<211> 632
<212> DNA
<213> Homo sapiens

<400> 1356
ttttttttt ttttttttt ttggataggg tcttctcgtc ttgctgtttt tccttttttat 60
atwttaacat twctttgttt gtawatcmag ttgtwcwtaa aatatcttcc araaacattt 120
cttttacttc aaatggtcwt ccctgtatat atatcamtgg acaacttcca aaatatctta 180
taaagagatt tacatcmaag gcagcactag aaagaattag tttcaaagtt gggtgctttt 240
gcaacaaatc tcttaacttt gtaagtaaaa aatcactaaa tcgatccctt tcatgcactt 300
catccacgat aacatgtgtc acagtcgaca acgtactatc tcctgccatc aatgtacgaa 360
gcaatacccc attagtacaa aatgtcagaa gtgtytttgg agaaaccctg ctttctaatc 420
ggatctgata accaattgtt tgaccaatcc tttcccgtct ctctgcggca actctttcag 480
ccacagcgat agctgccaat cgtcttggtt gagtacaaaa tatacggcag gggataccat 540
ttttaaagca atcatctaaa aggaactgag gaatctgtgt ggtctttcca gacccagttt 600
ctcctacaat caaaactact ttatttttcct ta 632

<210> 1357
<211> 968
<212> DNA
<213> Homo sapiens

<400> 1357
ccctggcccc ccccccccca gtacagggaa cgtgctttac catcgtttcc ggcgctggac 60
ggccgtcact gtttccggac cccgcaattt ggggtagtgt tgttgcgcat gctgtcctcc 120
ccaaagcagg aatgaacacc cccttaacgg cgggcaaaaa accgagggga acccggactg 180
gccaagaatc ctgagkagtc cgctacattg ccaamgyktc cgctgccaka cgaaagcgag 240
scgtctgcag cgagtggaag ttcgccgcct gtgtggtgga ccgcctgtgc ctcatggcct 300
tctcggtctt caccatcatc tgcaccatcg gcatcctgat gtcggctccc aacttcgtgg 360
aggccgtgtc caaagacttt gcgtaaccac gcctggttct gtacatgtgr aaaactcaca 420
gatgggcaag gcctttggct tggcgagatt tgggggtgct aatccaggac agcattacac 480
gccacaactc cagtgttccc ttctggctgt cagtcgtgtt gcttacggtt tctttgttac 540
tttaggtagt agaatctcag cactttgttt catattctca gatgggctga tagatatcct 600
tggcacatcc gtaccatcgg tcagcagggc cactgagtag tcattttgcc cattagccca 660
ctgcctggaa agccttcgga gagctcccca tggctcctca ccaccgagac agttggtttt 720
gcatgtctgc atgaaggtct acctgaaaat tcaacatttg ctttttgctt gtgtacaaac 780

ccagattgaa gctaaaataa accagactca ctaaatcctt tccaataatt gactggtgga 840
aggaaaacaa aaaacaaaaa ctaaaaacct cttagctttt ctgcaattca acttttttatt 900
tttatttta tttctatcaa agacggtaga gagaaacagc ttgatgctgt ttctacatta 960
aaaaaaaa 968

<210> 1358
<211> 718
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (678)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<400> 1358
cacaaaaaaa agtacattgc tgattccatt tcagcatcac tcaattacca ttctctaact 60
gtctctgatt tgtctttacc aaaagccaca tctggcataa ttggcaaaag actttttttt 120
tttccccacc attccaatga acacaaaaat gacattctca acatcaaatc aaatgatcac 180
atttttattc atattttact ccaactgaaa tgaaggatat aactaatttg tccatttttc 240
tttaagcaca tatctgtatt cattttgata acccagcact cttgattgtt cccttactga 300
atgtttgtct cttagtatcc tttgcccatt ctactccttt aaaaaaactg ttgcagtaac 360
caaagagtta tttttgattc cacgtctttg tcaaactaaa gtcagctctt tgaggcttct 420
ggattttgat attaaatatg tgtttagcag ttcaaatttt atatatgtat attctagctc 480
agatccagaa atctatttcc ttcttatcat tctcacttgg attcctcaag caatttaaca 540
tgctctaaat atttcttcca tgtttattta ggtttcaact ctacatacag aatagactaa 600
tttaataatt ttatacaatc cttggccttt actttatatg atcttctaca tccaatagaa 660
ggttggtcaa gtaaaccnta aaaacctatc gnacactttt taatctctga attttcat 718

<210> 1359
<211> 1628
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (1600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1614)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1623)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1625)
<223> n equals a,t,g, or c

<400> 1359
ccnggaatnc cgggtcgacc cacgcgtccg gcgcgctgcc agcagccagg agccaggagc 60
caagagcaga gcgccagcat gaacttgggg gtcagcatgc tgaggatcct cttcctcctg 120
gatgtaggag gagctcaagt gctggcaaca ggcaagaccc ctggggctga aattgatttc 180
aagtacgccc tcatcgggac tgctgtgggt gtcgccatat ctgctggctt cctggccctg 240
aagatctgca tgatcaggag gcacttattt gacgacgact cttccgacct gaaaagcaca 300
cctgggggcc tcagtgacac catcccgcta aagaagagag ccccaaggcg aaaccacaat 360
ttctccaaaa gagatgcaca ggtgattgag ctgtaggtga gcagtgacgt gaagaggggt 420
tctagccccg tggaaaacag cccatggtta acatctcagg atgtyctgca ttcaaacacc 480
caaggctggt aatgaacttt cacatggact gaatattgga ggcaaataat agaaggaata 540
gaatatacag tgcctctgtc ctgaaggaaa atatcatgcc tcttctggaa gaaacggact 600
gcacagagga aggattgagc aatttagcct gcagtggaag aaggtggaca ccaaaagctt 660
caccctgtgt tggagctgtt catgcttcca tgaggccatg gtgtccatgt ccgtggaacc 720
taccacagaa aatggctcat gaaaagggga atccgaccca acacacagct tcctacactg 780
ccatcttatc aacagttagg cactactttg tagaacgatt agcttcaccc tcttagctgc 840
caggagatcc cttcttaaag atggactatg tgaagattcg ggagtcctga aacatgggga 900
ctccgggatg gtctctagcc ctatcgatga tgaacactgg ccttctggag gggaaatggc 960
agtctgggct ggcgtggtag gaagggcttt ggtgttcatg gaatgggcct gctgctctca 1020
gaccttcaaa ggatggaacc aacgaaggac caaatgagaa agcagatgct gtgccttgca 1080
gagggccatg aatgtcagtt attatttttc tccttataca attattttgt ggttattatt 1140
acaatgtaca tggctgttgc atagaagaca tgactggtgg aggctgagga aagccatgac 1200
attctacaat tgccatcagg ctaaggcccc gtgagcattt ctctcccttg taatattaac 1260
cctgtatttc tgggatcaca tcacggaata ttctttgcct ttccactttc caggaaatct 1320
ctcggactgg gctaccctcc ttgtgtgtga tgaaagatga gctatatttc agaacaaagt 1380
gctgtgttgt catratttgc ctggactccc agggcgtctc ttacccaact tgataacgat 1440
gctgttcatt agcagccttt gttaactgat aaccaagagc ggtaatgtga tactcataag 1500
caattttctg tgtgtaggat aaaataaacc atcttgtatg ggatctgcta aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaagg gcggccgctc tgagaggatn ccaggcttta cgtnacgccg 1620
tgncngcg 1628

<210> 1360
<211> 1297
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1280)
<223> n equals a,t,g, or c

<400> 1360
gcccacgcgt ccgcactccg ctcggctcac catgtgtcac tctcgcagct gccacccgac 60
catgaccatc ctgcaggccc cgaccccggc cccctccacc atcccgggac cccggcgggg 120
ctccggtcct gagatcttca ccttcgaccc tctcccggag cccgcagcgg cccctgccgg 180
gcgccccagc gcctctcgcg ggcaccgaaa gcgcagccgc agggttctct accctcgagt 240
ggtccggcgc cagctgccag tcgaggaacc gaacccagcc aaaaggcttc tctttctgct 300
gctcaccatc gtcttctgcc agatcctgat ggctgaagag ggtgtgccgg cgcccctgcc 360
tccagaggac gcccctaacg ccgcatccct ggcgcccacc cctgtgtccc ccgtcctcga 420
gcccttttaat ctgacttcgg agccctcgga ctacgctctg gacctcagca ctttcctcca 480
gcaacacccg gccgccttct aactgtgact ccccgcactc cccaaaaaga atccgaaaaa 540
ccacaaagaa acaccaggcg tacctggtgc gcgagagcgt atccccaact gggacttccg 600
aggcaacttg aactcagaac actacagcgg agacgccacc cggtgcttga ggcgggaccg 660
aggcgcacag agaccgaggc gcatagagac cgaggcacag cccagctggg gctaggcccg 720
gtgggaagga gagcgtcgtt aatttatttc ttattgctcc taattaatat ttatatgtat 780
ttatgtacgt cctcctaggt gatggagatg tgtacgtaat atttatttta acttatgcaa 840
gggtgtgaga tgttcccccct gctgtaaatg caggtctctt ggtatttatt gagctttgtg 900
ggactggtgg aagcaggaca cctggaactg cggcaaagta ggagaagaaa tggggaggac 960
tcgggtgggg gaggacgtcc cggctgggat gaagtctggt ggtgggtcgt aagtttagga 1020
ggtgactgca tcctccagca tctcaactcc gtctgtctac tgtgtgagac ttcggcggac 1080
cattaggaat gagatccgtg agatccttcc atcttcttga agtcgccttt agggtggctg 1140
cgaggtagag ggttgggggt tggtgggctg tcacggagcg actgtcgaga tcgcctagta 1200
tgttctgtga acacaaataa aattgattta ctgtctgcaa aaaaaaaaaa aaaaaaaaaa 1260
aaacycgggg ggggcccggn acccaaatcc ccccaaa 1297

<210> 1361
<211> 2704
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1438)
<223> n equals a,t,g, or c

<400> 1361
gggccatcct ggcggtcaaa tccacgcggc agaagcagca gcacctggtc cagcagcagc 60
ccccctcgca gccgcagccg cagccgcagc tccagcccca accccagcct cagcctcagc 120
cgcaacccca gccccaatca caaccccagc ctcagcccca acccaagcct cagccccagc 180
agctccaccc gtatccgcat ccacatccac atccacactc tcatcctcac tcgcacccac 240
accctcaccc gcacccgcat ccgcaccaaa taccgcaccc acacccacag ccgcactcgc 300
agccgcacgg gcaccggctt ctccgcagca cctccaactc tgcctgaaag gggcagctcc 360
cgggcaagac aaggttttga ggacttgagg aagtgggacg agcacatttc tattgtcttc 420
acttggatca aaagcaaaac agtctctccg ccccgcacca gatcaagtag tttggacatc 480
accctactga aaacttgcga ttcttcttag ttttctgcat acttttcatc acgatgcagg 540

aaacgatttc gagtcaagaa gacttttatt tatgaacctt tgaaaggatc gtcttgtatg 600
gtgaattttc taggagcgat gatgtactgt aattttattt taatgtattt tgatttatga 660
ttatttatta gttttttta aatgcttgtt ctaagacatt tctgaatgta gaccattttc 720
caaaaaggaa actttatttt caaaaaccta atccgtagta attcctaatc ttggagaata 780
aaaaagggcg gtggagggga aaacattaag aatttattca ttatttctcg agtactttca 840
gaaagtctga cactttcatt gttgtgccag ctggttgaaa ttaaaactct gatattactt 900
tttttgagga tttttatttt tgtttttgct taaacatata gtttgtctag aagtttaaaa 960
agctaaaagt taaaaatggt gtaattatga aaatctaaca ctcaagatag tttctaaaag 1020
gaaatcagta gttaaggata cctgatttca aaatatttaa agcataacct aactgatggt 1080
aggatgattg tatcttgaat atgtggtagg gccacatcta ttgtaggaaa accttgcttt 1140
tatcatctgt gtgtaaaggg cttaataagg agaagaggcc ttttgactga tttgtgagta 1200
taaatgcatt tgctgtttca tttcaaaaat gttgtggagg aaaagagtac atttaacttg 1260
tataagagaa tatttgtact cctgtccagg ctgcaggacc tttcttcgag agctttgcac 1320
acttgacttg aaccacattt tctgatccct ttactttgtt ttagaagcac actgaaaaat 1380
ctcgttgttt aaagtacaat ttgtaaatat ttcaaaggtc taggagtcat aacttttngt 1440
tttcatactg aaaatgatgt tgatcagaga aaccaactgt tttgcttttc attgctctgt 1500
gagaaatttg aggattctgt tttgctgtta ggtaagctaa actcagaaat tgaaaaggaa 1560
aagactggat aaacacagga ttttcagtaa gaaaacaacc ccagtcttgt cttagaagcc 1620
acttgttgag gagtctgttg ggggaaaaaa gaggatatgc ttttaaaggt agaacaaacc 1680
ttcttctgtg ttaaatcaaa aggatgttca aaatccacca ggacagatgc tacttgggtt 1740
taaatggagc catagatgat acaaagtcct cttggggctg aaaatcactt cctatttgca 1800
tggctttact aactggtttc tgttttccat tatctttttc acagaaagtc ttggtcagta 1860
tttttccagc atttaaattg aaacggtcag tattagacca ctgctaggtt atgtagtcaa 1920
gaaataaaaa tagaattaca tgctacagat gtctttattc tccttccatc tagaaaggag 1980
ttccaaggtc aaattacttt ttagtgcaat agttaaatga cattttgaga tcataactca 2040
tatccaaaaa gttgcaggga aaattaaaat agctttcccc tattaagcta atggcaaaca 2100
aaacttaagt ggacccccac ttccagtggt tgtttaggtt gcagttgtga aaatatgctg 2160
ccaacattta aaaacttgtt tcatatgtat atatgtatac acatatatga atatgtatgt 2220
atatatacat atatgagaac atgtgtgtac acatatatga atatgtatat atgtgtatgt 2280
atgtatatat gtatatgaaa tgagagccac atctaaagat ttcttaaatc aagtttggtt 2340
cagcttcctt agaactgtgg ctgtactttt tgaggagtac ctcatagtac tatattttta 2400
atgcatgcaa atcataatag ctccaaatga accacagttt tttcccaatg gaggattttt 2460
ttttaattct tgtactaaaa aaaaaaaatc cataccaaat atttttacaa attaagattg 2520
atgtaggttt taaaaaaggc atttgtatgt tgttagctta catatggggc taggtaattt 2580
cattgcttaa aaagatgcgc ctaggctccc tcttggtggc tggatttctt tttcttcscy 2640
cgtggtggcc atggttctta atagggccac cggaatcakg gtttctttct ttttttttt 2700
tttt 2704

<210> 1362
<211> 910
<212> DNA
<213> Homo sapiens

<400> 1362
gagtgcccct gagcctgtgt cctaggtttc cctgatggac caagccttct ccttttgaga 60
ctcctcatcc agtttcttta gttcttcata tatcactgtt tttcagatct ctggctatcc 120
ttgccattga cctcagaaat cctgtatttg accttaacct tcttataccc agtccatacc 180
caaagtgatg gaaatggaat agatttcttt ttaaagtttt aaacgaatat tttgactgaa 240
aaattttggc agtcttgtat gcaaatgaca ctgcagagca ttgttttctc ccccccacgg 300
taggaratttt tattcaacta aggcacaggc atattaaaag actttcagta taaggaaaag 360
gggtaagttt awtccctcca aatttgacta cagctcgaaa ttgtctttat taatgcaaag 420

ttcttttgtc accttgactt tgggacactg ttaccaaacc tcgtgggaaa tatcaagttc 480
cagaagattg aatacatgca ggaaacaaat gttttttggg ccctagagtg aacatttggt 540
ccatatgaaa atgaccagga agacaattag gtgaaggttt tttaatgatt tgtgctacgt 600
cagtctcttc ccataagaca tattcaaagt tttaactttt ccttaagagg cttccatggg 660
gagcaagcat ttgataattc atcctttaag aaaaacacca ccgtacactg cttgaagagt 720
tcctcttcta ttacttaaaa cgtttttatt gtgcaacatt taaggcatac aaaaacatat 780
aaagaatacc atgatgaaaa tctatgactg tattaccaag cttaagaaat aaaacagttg 840
agtgatctct catttatgac taaattaact tattaaaacc attaaaactt ttggattatt 900
cctgttaaaa 910

<210> 1363
<211> 1823
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1729)
<223> n equals a,t,g, or c

<400> 1363
ctgcaatgga aacgatgtcg gccaaacana aacaactggg aaaatgggcc cctaactgtg 60
cancaactgt gcgtcacctc ccgcctccca gctccccgca ggamtcccgc ctctaccttg 120
tcttcccccc acgactcctc tgctctctcc caaactcctt cccaccacct gcagctcttt 180
gaccaggaca gctccaatgt gttgtcaagt gagtgtcccc agcaggaggc ntggcgggtg 240
tgggcaggga gggacgasaa ggggcgggcc gtgacctccc tttggcctcg tccccagcgc 300
ttcctccagg atcccctactc caccaccttc agcagcttct cccgagtgac caacttcttc 360
cggggtgccc tgcagccaca gcctgaggga gccgcctccg accttccccc gccacccgac 420
gatgagcccg agcctggatt cgaggtcatt tcctgtgtgg agctggggcc tcggcaaccg 480
tggagcgggc cctccagtta cagaggagga gtgggcacgc cacgtgggcc ctgaaggtcg 540
cctgcagcag gtccctgagc tgaagaaccg gatcttctcg gggggtctga gccccagcct 600

gcggcgcgna ggcctggaag ttcctcctag ggtacctcag ctgggaaggc acagctgagg 660
agcacaaggc ccacatacgc aagaaaacgg atgagtattt ccgcatgaag ctgcagtgga 720
aatctgtgag ccctgagcag gagcggagaa actcacttct gcatggatac cgcagcctca 780
tcgaaaggga tgtgagccgc actgacagga ccaacaagtt ctacgagggt cccgagaacc 840
cggggctggg cctgctgaac gatatcctcc tcacctactg catgtatcac ttcgacctcg 900
gctacgtcca gggcatgagt gatcttctct ccccgatcct ctacgtcatt cagaacgagg 960
tggatgcttt ctggtgtttc tgtggcttca tggagctcgt gcaagggaac tttgaagaga 1020
gccaggagac catgaagcgg caactcgggc gactgctgct gctcctgagg gtgctggacc 1080
ccctgctctg cgacttcctg gattcccagg actccggctc tctctgcttc tgtttccggt 1140
ggctgctcat ctggttcaag agggaattcc ccttcccgga tgtccttcgg ctgtgggagg 1200
tgctgtggac agggctccct ggccccaatc tgcacctgct ggtggcctgc gccatcctgg 1260
acatggagag ggacaccctc atgctgtccg gcttcggctc caatgagatc ctcaagcaca 1320
tcaacgagct gactatgaag ctgagcgtgg aggacgtgct gacccgcgcc gaggccctgc 1380
accgccagct aaccgcctgc cccgagctgc cccacaacgt gcaggagatc ctggggctgg 1440
ccccgccccgc agagccccac agcccctcgc ccaccgcctc cccgctgcct ctgtcgccca 1500
cccgggcccc gcccaccccg ccgccctcca cggacacagc cccgcagccc gacagcagcc 1560
tggagatcct gcccgaggag gaggacgagg gcgccgactc ctaaccccgc caggcagcct 1620
cgttctgcac aggcacttta gcccgagcca ggcacacctg cgaggggggca ggtgtgctcc 1680
gccgccctgc tgataagctg gcttcattaa actgacactt ctcawgtgna aaaaaaaaaa 1740
aaaaaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcag ggacgtcata 1800
gatcttgtat ggggtattgg aaa 1823

<210> 1364
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 1364
aattcccggg caacaatttg aaaaactact cgaagttctg cgtttcagcc ctgaacctga 60
aacataaaat gaatgcaatt gttgttgtta acttgtttat tgcagcttat aatggttaca 120
aataaagcaa tagcatcaca aatttcacaa ataaagcatt tttttcactg cattctagtt 180

gtggtttgtc caaactcatc aatgtatctt atcatgtctg gatcgatcct gcattaatga 240
atcggccaac ccccggggag aggcggtttg cgtattggct ggcgtaatag cgaagaggcc 300
cgcaccgatc gcccttccca acagttgcgc anctggaatg gcgaatggga cgcgccctgt 360
agcggcgcat taaagcgcgg cgggtgtggt nggttacgcg cgggaaccgg taacantggc 420
cagggccnaa ggcccgg 437

<210> 1365
<211> 523
<212> DNA
<213> Homo sapiens

<400> 1365
gggattacag gcgtgagcca ccacgcttgg cctgcccttc taatttttag aagtttgtgt 60
ttctacctct gaagtgttca tgggagagtg aaggtagaga gtggtccaga gcaggtgggc 120
cccagcacac cctgtgtgtc aactgattcy gagaatcatc aaatagacaa gaatttaagt 180
cttccgtttc tgtggtcatg attaaggtgc attytttaaa gacttaaaaa cttactggct 240
ttaggaagga gagttcttat aacctcccag cacaaagtga catactttca ttctctgcta 300
cttctgtgta gtgttgcttc actgttaatg tttgtggctc ttcaagagcc agtctttagt 360
taatcatatt accataaggc cgtggttctc aatcggaggt gatttcccca gggggacatt 420
tgggcatgtc ctggaggcat tttggttgtc acattggcas cccggtgtaa wactacctcy 480
gaccaaaaaa aaaaaaaaaa aaaaaaaaag gggggcgttc ttg 523

<210> 1366
<211> 2155
<212> DNA
<213> Homo sapiens

<400> 1366
tgatttggtc ttccactcag agttgagtgg tttatcacag agtgtgttat ggcttagacc 60
aatacaggtc ccttcttaat agtggtagct ccttttttatc ctgaggatta agccattaca 120
aactcaaatg accagagaat gtaatttctt aataagaatt tttccttaaa tctatattca 180
gctctctatt tcagtgcttc tctcctacca gaggtgcaag gagtgatcct agaaccacag 240
atacagccaa gaccacggag agcttttgac gtcaggggtc cactttctcc actgaaccct 300
tggagacaga atatccagct tctggagaga gtgggaaagg ataataaaca aatttctttc 360
aactggtaaa acatcatact tcttcagcaa aaggaattct tctagcagag ccttcatgga 420
tgatatctgt cacacatgcc wkcacctgca gtttggaagg cagtggtgaa tggatccatg 480
caatatgtct agaagacaca aggatgagcc agccacctga tcttgtcatt tataaacttt 540
taagaattac tctggtttac ttttggtctg aaaatggaaa ggcccaaata atgaaataat 600
cttttcagat tggaatttta catggccatg aaaatatttc tttctattca gaagactgaa 660
atagaggaag cttgagagac tcctttcttt taaaagcggc tctctgtatc tgtttcattt 720
aaaacatttg tgggrttgaa aatcacctta atgaagtagg caaacatttt tttaagtagt 780
agaggaagtc cagaaaactt aatgaaatgg ttttttttgt tgcctgacac tgaaagtaac 840
tagtaaataa agggtgaact tcttaattat tcgaaaactg cttttaatat taggatatac 900
tcttttagct catcttcgct ggtcttgagg cttattataa ttgtcaaatc aacaaagktt 960
ctaatagaga agtagaagaa atatcttttg agatgtaagk agcttggkct gkcttctaaa 1020
gkaatacata cctgktaaac ytgaggwatt tttttcatac tgaaggcatt ctaaagtttg 1080
gtactgtcac aaaacagtag tttacagagc agaagcactt agtattagaa taagcctgta 1140
ggtgtgaagg aataagtgtt gcaaaatagt tatttatcca agctgtcaat taattgattg 1200
aagtagttat caaaatgttt ctgtttcttt ctttggtatc tattaactgg tcagtcaaaa 1260
gctattaaag aatgttttta aagtcaccta atgctgccag tttgttaaat ttggtataca 1320
ttttaagaat agacattcta gagttattaa tatggaagca gctaaaatgt tttaggaaat 1380

ctcaaaagtt ttagaagcca catttgctaa agcataacct gcacttagtc tttcttggct 1440
atctgtattt ttttctcatt aattataaat aaatttttgt taagtatagt atttaaaagt 1500
aagtttaaag gttcaawttg aactgaaatt tccccagaga gctttgaatt cccataagtg 1560
attacagctt ttactcccga cttgttttta gtaaatgtta ataagacaat tggtttacaa 1620
acacatataa attaaaaaaa acaactgtcc atcgttttag gaagaactga aggaactaaa 1680
aatgatattt gcttggaaat taagttagtt gaactctttg aaccacagta gaaaccgttt 1740
gtgtggcctg tgagawtata agctttttgk ttcarctttg aagatgaaaa gtgatttaat 1800
ctcttaatct catgctttga ttgaatttta gctctgktcc ttaaaatatg caaaaggaaa 1860
tgtaagtgca tttctagtca cctcatgcca ctacaagcta tttatttaaa agtgaaactt 1920
tttgtatatt attgtgaact gatttgttta tttaaacttt tattttggtg aatttacctt 1980
tgagtttttt tatattttat gtcacaaaat gaagtcctat attttcagt gtttatgaat 2040
attaatataa actatttttt tctagaatga ctaattgtgt aatatctgta ttatgtgata 2100
atttgaaatc taataaatat tttctccatg aaaaaaaaaa aaaaaaaaaa aaaaa 2155

<210> 1367
<211> 1724
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1590)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1650)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1701)
<223> n equals a,t,g, or c

<400> 1367
gcagcctgcc agccgcgctg ctgctgctcc tcctgctgtg ggaccgctga ccgcgcggct 60
gctccgctct ccccgctcca agcgccgatc tgggcacccg ccaccagcat ggacgctcgc 120
cgcgtgccgc agaaagatct cagagtaaag aagaacttaa agaaattcag atatgtgaag 180
ttgatttcca tggaaacctc gtcatcctct gatgacagtt gtgacagctt tgcttctgat 240
aattttgcaa acacgaggct gcagtcagtt cgggaaggct gtaggacccg cagccagtgc 300
aggcactctg gacctctcag ggtggcgatg aagtttccag cgcggagtac caggggagca 360
accaacaaaa aagcagagtc ccgccagccc tcagagaatt ctgtgactga ttccaactcc 420
gattcagaag atgaaagtgg aatgaatttt ttggagaaaa gggctttaaa tataaagcaa 480
aacaaagcaa tgcttgcaaa actcatgtct gaattagaaa gcttccctgg ctcgttccgt 540
ggaagacatc ccctcccagg ctccgactca caatcaagga gaccgcgaag gcgtacattc 600
ccgggtgttg cttccaggag aaaccctgaa cggagagctc gtcctcttac caggtcaagg 660
tcccggatcc tcgggtccct tgacgctcta cccatggagg aggaggagga agaggataag 720
tacatgttgg tgagaaagag gaagaccgtg gatggctaca tgaatgaaga tgacctgccc 780
agaagccgtc gctccagatc atccgtgacc cttccgcata taattcgccc agtggaagaa 840
attacagagg aggagttgga gaacgtctgc agcaattctc gagagaagat atataaccgt 900
tcactgggct ctacttgtca tcaatgccgt cagaagacta ttgataccaa aacaaactgc 960

agaaacccag actgctgggg cgttcgaggc cagttctgtg gcccctgcct tcgaaaccgt 1020
tatggtgaag aggtcaggga tgctctgctg gatccgaact ggcattgccc gccttgtcga 1080
ggaatctgca actgcagttt ctgccggcag cgagatggac ggtgtgcgac tggggtcctt 1140
gtgtatttag ccaaatatca tggctttggg aatgtgcatg cctacttgaa aagcctgaaa 1200
caggaatttg aaatgcaagc ataatatctg gaaaatttgc tgcctgcctt ctacttctca 1260
aatctttctt gtaaaagttt ccaatttttt cactgaaacc tgagttaaaa atcttgatga 1320
tcagcctgtt tcataagaaa ctccaatcaa gttaatctta gcagacatgt gtttctggag 1380
catcacagaa ggtatattgc tagttacact ttgccctcct gcagtttctt ctctgctccc 1440
aacccccatc tcatagcatc cccctctatt tccaatgctc ctctccaacc gcttagtttc 1500
tgaatttctt ttaaattaca gttttatgaa agcatatttt atttacttgg tgttgaaata 1560
gccctyataa aacctaagca cttggaaacn caataatagt attaactaac tagatctatt 1620
gaatttcaga gaagagccta aatagcaaan tttacacaaa aacgagtatg atttagcact 1680
catactagtt gagggtttgg ngccgatagc gactgctaat gaac 1724

<210> 1368
<211> 373
<212> DNA
<213> Homo sapiens

<400> 1368
cccctacttt aaggagttct agatatgtga gatactacct taccctttca gacagttcca 60
tgtgagtatg ttaaccatac ttcttagtca aaaataaaga gaagcctccg ggtctttgtg 120
ggaacaaagt tacaaattaa ttgaaatcca tactcttcct aagcagcttg gacctactac 180
tgtcccacat gtaagtatgc aaaactacat tttgccaaga attaactcat gagaaccatt 240
gaacttgtat tgaaagtcac cttaacagtg gtattgtgct ctgtaaaact ggaatctttt 300
cccacaagat gcatgtaaat aagagatctc aaaaatagaa agactctctt tctcaaagaa 360
tacaaacagg tgt 373

<210> 1369
<211> 821
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (725)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (775)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (797)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (798)
<223> n equals a,t,g, or c

<400> 1369
naagatgtnn ttaaccctca ctaaagggaa caaaagctgg agctccaccg cggtgncggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcaccacttt gtatgtatag 120
tagccttttg ccctcatcac aacttagtgt gaggtatgtg ttcctgtcct aattctacag 180
agaaggaaat tggaattcag tgagttcatg ttcttacagc tagtgactgg tcgatccasa 240
attagagcac mggtccgtct gactccaaaa cctatatgtg cttttcacta taccacaata 300
acaacgaata tttgttctgt acaattcaca actctttggt ctaccttatt attattatta 360
ttattactac cactacttac atcttcacta gtcagtargt acagccwaga ttatcacgac 420
ccccatttca ctggtaggga aactgagact cggaagcttg cccaagatca cacagctggt 480
aagtggagga gaaccaggac ttcagacaga cttcctgact ccagatcttt ttttttcttc 540
catgacatca cattgctgcc ttaattcatt tgcacaatgc atgattgtat ggccagtgtt 600
cactgacacc tttcctacag aagtatcaat gagcccaggc attacgtaga gccatgtgga 660
gaagaaaata attcatacct ttcagaggag cttccatttt agtgggggtt gatacaaagc 720
acccngaaag taaatgcctt gagaatagtt cacaagttaa gaatttaaaa tatanggccg 780
ttgtttccat aatgaanncc cataaatttg ggccataaaa c 821

<210> 1370
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 1370
caataatgta aaatatgaag tgtatgtgta cacacatttt atttttcggt atcttgggta 60
tacgtatggt tgaaaactat actggagtct aaaagtattc taatttataa gaagacattt 120
tggtgatgtt tgaaaaatag aaatgtgcta gttttgtttt tatatcatgt cctttgtacg 180
ttgtaatatg agctggcttg gttcagtaaa tgccatcacc atttccattg agaatttaaa 240
actcaccagt gtttaatatg caggcttcca aaggcttatg aaaaaaatca agacccttaa 300
atctagttaa tttgctgcta acatgaaact ctttggttct tttatttttg ccagataatt 360
agacacacat ctaaagctta gtcttaaatg gcttaagtgn aactattccc taantgctgg 420
ntg 423

<210> 1371
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<400> 1371
cgggtcgacc cacgcgtccg agcaacagcc gtagcaaaag cagctgctgc tcctgctatg 60
agggtgtata tatttttac ccaaagctct ggaattgtac atttatttt taaaactcaa 120
agagggaaag agccttgtat catatgtgaa cattgtatca taggtaatgt tgtacagacc 180
cttttataca gtgatctgtc ttgttcctgc agcaaaaatc ctctatggac ataggaggtg 240
ctgtgtccca tgccctcttg ccctgacagt gtcccatggg ccccttctg ctccctgccc 300
cctccctgct actgctgatg cactctcctc tccctgcagc ccctggcttc ccagccttcc 360
tcctgacccc ttccaacagc cttggaactc cagctgccac caccctctgg gtcggacact 420
gggacccact ggcccagtct tggctgctgc ttacccctag ccttgatgcc tgcccaggga 480

ccccccagccc cctcccgttg ccctgcagct ttaacagagt gaaccatgtg tattgtacag 540
gcgcggttgt cattgcagaa accgctgggt ggagaagaag ccgataaagt ctatgaatca 600
aaaaaaaaaa aaaaaaactc gagggggggc ccggnaccna attcgcccna nag 653

<210> 1372
<211> 907
<212> DNA
<213> Homo sapiens

<400> 1372
atttttttact gctaccacaa tactgctgct gttgctgctg ctacattaat ttatgttgct 60
atgtcattcc agtgaaaaat ctcaactttc aattatagtg cagatacact atgtaaaatc 120
acatgtttag gttccaagta atatatggcc taaagaaatc ccaaaaatgg taataatccc 180
agtcatggat gccatacact tctaacctgc agcatcccca ctcaagaact gcctgcctat 240
ggtgcctccc actggagcac ttcctaccca cagcacctga gctgccactg ccagggcacc 300
tacctatggc cccctgccat cctctacaga gctattgttt tatacatctt acacattaga 360
aaacttagac tcaaagttaa tctcatttgc ctgtgtcaga gccaggattg aaacaccagt 420
ctgtatgact ctataaatca cacccttaac tcagtgagct ccgaaggctt ttgagtgtga 480
atgctgccac atatcctgtt ttctaaaaca ggcttattct gactttcaca gatcacagtg 540
ttctcccagt gtgtgaaagc aagacctgaa ataaactttt atgctgtatg tgctaacatg 600
cttagggctc tattttcata aaacattaac aattttaaag atgatatcta ataaacagrc 660
cttgtataat tatcttttta agattgccaa atgttttcta atatcttact cattgtacta 720
aaccctaggc ttctgttcat tttaatttta ccataaaggt aaaaacatat atataagtca 780
ataggtaact catttctttc attaaataat caattaaata cgtcatctat gatgtacaag 840
gcattgtata gaacactata ttgccaatca aagtgctagt aaaaataaaa gtttaaaatg 900
tgaaggc 907

<210> 1373
<211> 3036
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<400> 1373
tatctccttt cgtttaaggs ccataccnat atttcctacc tggagaatgc ctggactgtt 60
ctccnttgtt agttcttcaa ggagtgacac acgcggccat ctgggcagca tgcatttctt 120
acctcagtgc agccgttccc cctgagctga ggacatctgc tcagggcatc ctgcagggcc 180

ttcacctggg tttgggaaga ggatgtggtg ccatgatcgg aggcgtgtta gtcaattatt 240
ttggggctgc tgcaaccttc cgaggaattg gcatggcctg cttggtgatc ctactgctct 300
ttgccctgat ccagtggctg gcagtgccag atgaggaaga agacaagaca atgttggcag 360
aaagaattcc tgttccctcc agtcccgttc ctatagcaac catcgacttg gtacagcaac 420
agacagaaga tgtcatgcca cgcattgagc ccagacttcc acccaagaaa actaagcacc 480
aggaagaaca ggaagatgtg aacaaaccag cctggggagt cagctcttct ccctgggtga 540
cctttgncta tgcactctac caaattaaag agatgatgca actcacaaga gacaaccgtg 600
cttctgagat acagccttta caggggacca atgagaatag ggaaaattct cctgctggta 660
gagcccagcc tgtcccatgt gagactcact ctgacccatc tagaaaccag ccatcccctg 720
acgcagcagc atctcagacg cagaccagcc ccgctcaccc cagtgtggac ccgtgcacag 780
aggagagtga agagcagcag gctcagctgg ccgcgggagg acactgaggg catcctgctc 840
atctcamacc ctgcatggaa tcaggctcct cagccaggac acagggtgag gccccccagc 900
caggatatgc ctcccctgga ggagcacagc actgcatatg cttctaaata tctaaactca 960
ttaacatgga aacacacaca caggagctac agtacatatt ggcaggaaaa ggtaaacttt 1020
cgtaatctca ttggaattac aacagggaaa tggagttcaa tgaggacttt cagttctttg 1080
cttggttagg ttaaggatga tagaatttct ctgccagtgc aktaagagtt gaaaccggca 1140
gttacactaa ktaagtggag ggaatgaaag tgtttcgagg tgaatgtgga tataatttcc 1200
ctcttctgat tatttattct tatttggttc ctaacacaaa ctgggaagag atagaattca 1260
tctatacttt ctttttttctt ggagagaacc gtttaaaaaa ttacaagata tatttaaaaa 1320
gtaaccagat aaaagtagca catgtgcttt tgttaaaaat aaagttaaaa gttaaagtta 1380
aaaaatgaag ttaaaagttt catcagaaac tttacatatc tttagcaaat atatttttat 1440
atgtgtatgg catataatgg aaataattct ttgagcaaca gaagctatta ttaactactg 1500
caagctaagc cgagcttaaa aatgcctttt gttttaaatg ggctttgaga aaaaaaacag 1560
aaacaagcga ttatttcaaa tcaaccaacc aactcagtat cctgtgtttt gatagacaag 1620
agtttactaa atatattgat actgtaaata gcctctctcg ctatttacta tcttatagta 1680
attcaggctc taattagctg agggaatgaa acacacaaaa atcactgaat tcctaagagt 1740
tccttaaata agcagtacta gttacaaatc acagtataag atttaagtgc ctgggggaag 1800
gatacaattt ttagaaatta catattgggt cagttttgtt ttgtttttgg tgaggaaaag 1860
gtggtaaata ggaaaccatg aatgggaagg atggcaataa gtagcaacta tactttccaa 1920
tgactaaaga aagaaaatct cagtatattc gttctcatga agacacagtc agacactgga 1980
caatgtaatg tatgcaactg caaacgttac aactgcagcc agaacaatgg ctgggtggat 2040
cgcacgtaaa gcttgccact aaaaatcaaa gcagaggtta acaggaaacc tgggggggagt 2100
gtggaaaagg gaaaactgtt ttagctgaat aaaggtgaat tatataattt ataatagctg 2160
tggatgagca caggagagag aggaaagaaa agaacagtcg aaatgagcaa ctcaccttac 2220
cctctgaccc tgattagaca ggatcaattg taaagtgagg gcttctccat gacaccatag 2280
ttctgcccaa tactgcattt gggataagaa attctacact tggatgtctc gcttcacaat 2340
aaaacacagc ttaaaaataa aataactgaa agaaatagaa ttcagcaaat agttattttt 2400
tgcacttgaa ctgaaacgta ctgtactgta aattatgact cattttaagt gacctttaaa 2460
akcagatgta tttattatgc ttgtgtaatt atagaaataa agaaatgggt gacaggctta 2520
acctcaccta tgaatgtaca gtatgtggat ttgtgaaact gactgtagga agtcaaaaac 2580
ttgtactgtr tcttgtgttt acagttctga tttattcctt tgaaaagcct gctgttttgg 2640
aaatgcacag ttgacatgtt gaaataaaaa tgaataccat ttttaaatgt ttcttaaatg 2700
ataaagatgt gaccaaacaa aagtcctata ctctaatgaa tgagaccaaa ttcaacatgc 2760
ctttgttatg gaacatttac tgtgacagca gaatcgataa tgcagtcatt tccagccttg 2820
tgagctgaca ccttcatggg tttgtggact ttgtgacttt ttcttcctgt ccccaaagtg 2880
ccatatgcta ccttaaaaaa tattaaagtg aattcaaatt acattttgat ttgagatttt 2940
gtaacccctc ttgagatccc tcaacacaca caggggtgtc acagagccca ggctggtaat 3000
cactgcctta atgacttact tcctactctt tctccc 3036

<210> 1374
<211> 2652

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (685)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (708)
<223> n equals a,t,g, or c

<400> 1374
atgatgatct cattaagtag atcaaaactt cttagaattt tcaatttgtg gaagattggt 60
ctgtgtttaa aagggaaaat acttgataat ttttttcggtc attttgactt tagaacattc 120
caactatatt tgctcataga atacttagtt tattaaccag ttgctctctt gataactaca 180
gatgttgtta aattgtatca gataaacttg atagtcaagc agaagttttt atataaagat 240
atgagcacac atttaaatga acgttatatt aatataaagt gagtatgtaa tcatataatt 300
tgtaaacatg ttctaatatc ttaatcatta aagtgttcat gattttaatt tagactatag 360
aaattatttc ttcagattat ctcagtgtca ctaagctttg tactatacta cggtgaaggg 420
agcagtagca gtgtcagttc agagaagtta agtacagatg agaaatagtg aaggccacag 480
gaaggacggc aagtatagga tcattttcca ttatggacgt ttccagggaa cagccaggta 540
aaaacaagca atactttaat ctgtttttg ttttttaag gttttaccct tctgtattct 600
ccctttcac taatatttgt tctttctaca gaggttgttg gatggatgta tgggaactaa 660
tgtcgcagga atgcagggat gaagnaagtt ttaattgact cgagttgnct tttagaaaca 720
ctagaaacat atctgcgaaa acacaggttt tgcactgatt gcaaaaataa agtcctycga 780
gcatacaata tccttattgg tgaacttgct gcagcamaga aaagggctac tgkgctgact 840
ttatgaaggc ttgcggtgct ktccacatga acgacacata catgtttgct gkgraacaga 900
cttcattgca catcttttgg gtcgtgctga rccagagttc gcaggagggc gaagagaaag 960
gcatgcaaag acaatagata tagctcaaga agaagttctg acctgcttgg gaattcatct 1020
ttatgaaaga ctgcatcgaa tctggcagaa gctacgggca gaagagcaga catggcagat 1080
gcttttctat cttggtgttg atgtttacgc aagagttttg agatgaccgt ggaaaaagta 1140
cagggtatta gcagattgga acaactttgt gaggaatttt cagaagagga acgagtaaga 1200
gaactcaagc aagaaaagaa acgccaaaaa cggaagaata gacgaaaaaa taagtgtgtg 1260
tgtgatattc ctactccctt acaaacagca gatgaaaagg aagtaagcca agagaaggaa 1320
acagacttca tagaaaatag cagctgcaaa gcctgtggca gcactgaaga tggtaatact 1380
tgtgtagaag taattgttac caatgaaaat acatcatgta cctgtcctag cagtggcaat 1440
cttttggggt cccctaaaat aaagaaaggc ttatctccac actgtaatgg tagtgattgt 1500
ggatattcat ctagcatgga agggagtgaa acaggttctc gggagggttc ggatgttgcc 1560
tgcactgaag gcatttgtaa tcatgatgaa cacggtgatg actcttgtgt tcatcactgt 1620
gaagacaaag aggatgatgg tgatagttgt gttgaatgtt gggcaaattc tgaagagaac 1680
gacacaaaag gaaaaaataa aaagaagaar aagaaaagca agatactgaa atgtgatgaa 1740
catatccaga agcttggaag ctgtattaca gatccaggta atcgagagac ctcaggaaat 1800
accatgcaca cagtgtttca ccgtgacaag accaaagata cacatcctga aagctgttgc 1860
agctctgaaa agggtgggca gccattgcct tggtttgagc ataggaaaaa tgtaccacag 1920
tttgcagaac ctacagaaac gttgtttggt cccgattccg gaaaaggtgc caagagctta 1980
gttgaactcc ttgatgagtc tgaatgtact tcagatgagg aaatctttat ctcacaagat 2040
gaaatacagt catttatggc taataaccag tctttctaca gcaatagaga acaataccga 2100
cagcatctga aggagaaatt taataaatac tgccggttaa atgatcacaa gaggcccatt 2160
tgtagtggct ggttgacaac ggctggagca aattaaataa ataaaatagc tctgtctttc 2220

aatgaaacac tcacgatgac tactgcgcct tctctttcga aaaactctta atttagtgac 2280
ttatggcaaa attttatctt aaatcaatgt gattctttct tgttttggga gacggtggag 2340
gtatcctcat tagttctttc ttcaggcttg tgtctttagt tgcgtggctg cgcaggcctg 2400
ccatatgatt taagccatct cttttcatta aatgtttctc ttcctgtgag acttactaaa 2460
gcaacttagt ggcaaaaagt aatgttgtac ttataattct gtacagaaat gacaatgagc 2520
tgaatatatg gttttacaaa gtagacatcc acttgcaaaa tgtttggatg taatgttaaa 2580
gcgcaatgtg caaaatttaa aataaagaat atttattaat acgcacagta aaaaaaaaaa 2640
aaaaaaaaaa aa 2652

<210> 1375
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<400> 1375
gcaactctgt gggatggaca tgcagccgtt tggcatggtt atgaagttca tggaatggaa 60
aaaataccag aagatggacc agcacttata atttttatc atggagctat tcctatagat 120
ttttactatt tcatggctaa aatatttata cacaaaggca gaacttgccg agtagtagct 180
gatcactttg tctttaaaat ccagggttta gtttattact ggatgtgttt tgtgctctac 240
atggaccaag agaaaaatgt gttgaaattc tgaggagtgg ccacttgtta gntatctcac 300
caggtggant tcnagaagcc ctaatta 327

<210> 1376
<211> 1253
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (631)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (673)
<223> n equals a,t,g, or c

<400> 1376
ggcacgagta agacgaagca gagtagacac acccaatacc tgaaaaatgt tcattggttt 60
tactagagta ttgaggaggg tcctgctgac acccctttggg ctggagaggc ctcctctgaa 120
agggagccct gggaaagggc tgctctcact cttcactcct ttctnctccc tcagatccac 180
ctgttcctca ggtgcctgct cttccccgtn agggaagccc aggagaccag gcagctgcgc 240
tcttgacagc caggtaccag gtgagctgag gaaccctctg cttttcctca gggactattg 300
ctactgatgg agtgtggcct ctctctcatc ccatctgtag accttgcctg gaatttttt 360
caatagcaga ctccagtttg ggaattgatc ctcttcggag acctggactt cacataaacc 420
aacttcccat ctccccagtg ccatgagcaa actctgtttt ctctttgtcc atggttgtgt 480
gatgggtgct tattagatgt ttaagggtta tgggctttat tccgtaggtt ctaatctgtt 540
ctccctcctc ctcaacgtaa gtacacagtg gataccctct ctatgatctt cattctctgg 600
ccatggtgct acaagtgttc tcattcctca nagcagccag natgtgttat ttcaggagtt 660
tgtgacattc gangatgtgg cttgtgcacc ttactcgaga ggaatgggga tacctggacc 720
ctgttcagag ggacctctac agagaagtga tgttagagaa ttatgggaac gtggtctcac 780
tgggcatact tctccgcctt cccaccaccc ggattcatag tgtgaattcc tgcccggccc 840
tgagtcatac ccaggcaagt gctttctctg gagaaacact tgccgtcctt acagcaggaa 900
tctccaagag atggcccaag tatcggcttc ccatcgatat tgctcgtccc tgctcggaaa 960
ctccttttcc acgattgtga gatattaaaa ttgactgatg gaatagaagc tccccaggat 1020
gccaccactg tgtaaaatcg cagctcctca aattacctct gtttaatttc aaatgttagg 1080
gtccaaggaa gccctctgtt gcaaccagat atgttttgaa cccagttcat tcagaaacca 1140
tggttggtgg tcatcatcta cttgtattgt gaaaaaccag aaattccaaa ttcagctctt 1200
caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 1253

<210> 1377
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (645)
<223> n equals a,t,g, or c

<400> 1377
cccacgcgtc cgagaaaggg agaagagtct tgtgggggct gggtaaggga ctcctaaaac 60
aagagtgggc agggacttca cctcttcccg taatggaagc tctgttaaat ttttaattta 120
ggagagtttt tgtgaaaatg actattttgt ttagctcaca tgataacatt tctataataa 180
atcatactca gcgtgcttat gcgcgaagag actgaactga agacgctgca gactcagata 240
gcaaaataat aagcctactt catgataagg taactattag tcattcnaac tcctatttcc 300
cttaaatata tcttaaatca gttaagggtt ttaatgtttt ttttaaatta atagtaatgt 360
tatgtttgaa aaactggttt gaaataaact ttaaaacctt tagaagttta accacttaag 420
acttttccag tctgcctcgt tatagcaaaa ccaaggaaaa tttcttttct aagctcctat 480
agagaactgg caatgaaact aaaatttaat tgtgtctcca ggtctcttat ttttctgcaa 540
ataataaatt atgtactatg atcattttca gataaatcat catgcatgtt ccaaaatgat 600
tggccaaggt ttatttttaa gaaacattaa tcgtgagtgg maganacatg ctatgggcct 660
tttgggagac a 671

<210> 1378
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 1378
gttgacattt tcttcacttg aacaaagatg gcagaatccc atttcacatg ttggcaggca 60
tgctatttaa gtgtgctggt gcctctccac agtaggatcc tgctgtgagc cttcccttct 120
catgaggtcc ttcctgggct cccagataaa tgtcatgata aatttggagt tgtagctaaa 180
gggcagccta atagatttct aatatataat aaatagtagc actaggtcaa aatactgctt 240
aggaatcact ttatactcca ggtggcttcc tccattgtcc cctcgccgcc tctgcatttt 300
gatctgaaag ctcgatttca agattacaaa tgagagaaac ctgattctct tctgtgacag 360
gagccaggta ctgcaatggt ttgcaatcca aaacctnata attgtcaagc ctcagttcaa 420
gagactttaa ctgggatata ggctggatga ctgaaaccta acaggctgga aaggtaatag 480
ttttggggaa tgcncatgac a 501

<210> 1379
<211> 962
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (795)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (892)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (922)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (928)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (939)
<223> n equals a,t,g, or c

<400> 1379
ggcacaggcg aagaaaggaa aaaaggaact tgtcttctag taattggtta tttgcagact 60
ctgtaagtat atgtactgaa cattaagggt ttatagccct ggggtttgtt cctaaatggg 120
ctacaaggag ttttacacaa aacttttgct taatgctttt ttttgtgtgg agaggaccca 180
taatccttat aatactctca aagatggctc aggatccccc aaaatgctaa aaatcacggc 240
ctaaaaaatt cctgctacta catggaattt gcttcatgta gagctcgccc ttacctaagg 300
atacctctgc ctgctgtgta tcttagtgat ggcaagatca aggttatcaa caacaggcag 360
acaccccgca gtagtttctc tcttagagtt gaatgtctgg cttagtaaaa ttctgtccat 420
tgaaagcctt tctttaaaak gtttgctaca aatgaatgca cagcatgaga tatttaaaat 480
agtatcatat actttaggat caaacaagca aaaaatactc tgatatagta tgtgctacat 540
aagcgttttt gttacgtgct aggcctctca aaatggattt gtagaaaatg acacagaatc 600
acagttcatg ccctagttta cggtgctctt tttgacccgt gttttggaag agtgatagtt 660
atcctactgt aaatagcttt cctattacaa atagtagtta acatgtcgtg tataaaattt 720
ctggttttcc acaaatatct atgaccacaa atcgagaaac gtaatgagtt gtgaccaata 780
gttaatatat tttcnaaatt taaatgtact accggccaca aataactgcg ttttgggatt 840
attaaactat ccacagtaat ttaaagtgga atcatcctct tcatttatag cnaaattctc 900
tagggccaaa ggaacatggg antcaggnct ggaattacng gtccgattta cattattttc 960
cg 962

<210> 1380
<211> 2935
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<400> 1380
ntacaggnac cggnccggaa ttcccgggtc gacccacgcg tccggcgaga acccgcgccc 60
gcgaacaaag agcgaaccaa agcgatgctt cgaattttta aaacggaatc tctgcaccca 120
aatgcaggac tggtgactta aggagctgcg aagtctgatt taccggccta ctctcgacct 180
gccccccacc cccagctcag gggacctttt gtctgaacgc cagagctact gaccaggtcg 240
gggggccgcg gtggggagtg gaagagccgg tcctgctgtc cgccctccca gccccaggtg 300
gaaggctcag ttgtcggaaa gacaaaagcg atttcttccc actcctgcag ggccagaagt 360
tcaggctgcc ccgcctccac tgggggatcg cacctgtgaa ttacctgagg tatgcatttc 420
ccagaaccgt gggcgtaccc accttggggg gcatgttggt tctgggggga ccacctctcc 480
ttgcattcag gggctgtgaa gctgagtaat tttcggtcac agggcaggcc cctgttgaaa 540
tttcatttgt cctgctctgg gcccaaaggt ggtggtggtt tgggtcatca gaggactgcc 600
tgggacggtt cagcgggcac ggagcgctgt gctggcctgg ctggggatgg ccgcggaggt 660
gccctttcc tggtgctttg tggtggctgc agaagaccag ttttgttgag aactgctttt 720
cagcctggaa tcagacatct tccagatggt ttggaccctg tccatgtgta ggtcattatc 780
acacaaagag accaataaaa ataaaaaaaa taaaaaaaaa aaagacgaac tattggaggt 840
ggtggccaat gatgcattta ctgtttgcag gatagttaaa ggtgtttaaa gggtaaggct 900
tttggtgtaa atgctggatg gggtgtgtgt gtgtgtggat atagggacct ccctctgtac 960
tgtgtaatcg gcattaatac ctagactcat atgtatggaa ttttaaattc tcttagccta 1020
ctgattggtt tggatgagca caccagctgc aggtgtgtgc tgaattgcaa gatggtattt 1080
tttttttaa ccaagggatg tctcttgtaa tactaaccgc gtgataatgg gttttcagac 1140
atgatgaaaa aaaaaaactt ttacaaatga atacttacct tagaaatatt caccttagga 1200
aaaaagactt tgctctgccc ttttatattc ctttatgctg caagtggtga catgttcaga 1260
tttctaattt ggttcattgt ggcctatctg gtttaagtct ttcattaaaa atgtctcgtt 1320
agagtatttg atgtcatgca ccaaaaaaat aaaaccccac cttgttgcaa aagctgacct 1380
cgttgcatgg aattaaaaga gaaggaaaaa cacaaggatg aagtctttcc gaattcattc 1440
ttgtgggaac tggccttcgg agccagccag cactttgggc aaatgcaaac aacaatgagt 1500
gcttgagata aaagaaagtg tgacgtcatg gtcactggta ctcaggcact tcacagttta 1560
cttgaaagag gctttggaaa atagataaag tgaaagaaga ataaatacat atttttaata 1620
atgtaatttt aaaaatcctt tataatcagg actgagtctt ggtttgcaga agctgtcact 1680
taccctgaaa cacagtatca aaagggaaac ttaaaacata ctgtttgatt tttttatttc 1740
ctcttacaat ccatgttttc aggtagaatt atgactttcc ccccattgtt acacatttct 1800
ttacaaagga ggcctgtaga aattggacac gatcatgctt gagcatgtga gttagtcaaa 1860
ttatgagtcc ctgcctattg tccattacac accgaatgtt aatttaagaa ccagaggcag 1920
aagttctggc ttcctgcttg aaacccaatt cttatatgaa atttttaaa agcagaaacc 1980
tagcagccca tctgcttttt ctcttttgtc ggtgtatttg gtacccctcc aatgctggtc 2040
tttttgtaga aactcagtag agaaagtcta gctaagcagt gttgaaaagc ctgcaagatt 2100
tcagtttaca tatcgacagc atatccactg atttctaaat gggctggtcc catcatctga 2160
agattctgta tagaattatt aaaaaaaaaa tccatctttc tttatttttct tcacatgcga 2220
caatttctta agcactttga cattttggta gttccacact attgagagaa taatatattt 2280
attttgtgac attgcagatg ccaaatactg taaccttctc rtgataacaa tacttaggtt 2340
caagatcact gttcaaaccc tgtcatgctt taaaactgat gcgagatgat tttgtttttt 2400

gcataatcaa tacttaaggg tgcaatcaac tgttagtaat tgtgcagtaa agtaaagccc 2460
tgtggtgtat caactactag ttaagagtct cagttgattt ctgtaatgtt tgacctaata 2520
atagcccgtt tcgtctctga cccaacagag gaagcacaga tcaaatcacc ttggagtggt 2580
caccaggggg acagggagcc ccccaccaat gtatcaatgg gtgatttatg atgccttctg 2640
ccctttggcg agtgaatggg tttcccatag gggaagttgg cctccctccg tgagctttgg 2700
aaatgttttc taatagacac agggaggcca gttctgtttc agagcaatta tcttcccaaa 2760
ttctctgttc tggtgttgga actgtgtgcc ctggtttctg ttttcctttc tactgctgta 2820
attctctgtc tcatcatcct tctcttttgt ttccatagcc ttttataatg catatatgat 2880
gctgtgaaca gaaataaatt atttatacaa tcaaaaaaaa aaaaaaaaaa ctcga 2935

<210> 1381
<211> 626
<212> DNA
<213> Homo sapiens

<400> 1381
gtggacgcct gtaatcccag gtactcggga ggctgaggca ggagaatcgc ttgaacctgg 60
gaggcagagg ttgcagtgag ctgagatcat gccattgcac tccagccctg ggcgacagag 120
ggagactttg tctcaataag taaatacata aataaataga ttaattaaaa taaaaaggat 180
ctccagggct gcattgcttc tggaagctct agggcaagct tttccagcct gcggcatacg 240
gccaggactg ctttgaatgt ggcccgacac aaatttgtaa actcttaaaa cattatatat 300
ttttctttta gttcatctgc tgtcgttagt gttattgtat tttatgtgtg gcccaagaca 360
gtcgtcttct tccagtgtgg ctcaggggag caaaagatcg gaagcccctg ctctagggga 420
gtgagttcat tttattgcca tttccagctt ccaaaggctc tctgcattcc ttagctcgtg 480
gccccatccg tctgtcttca aacctaccag tgtagcatct tccaagcagt ccctcaccac 540
taccctgtcw ccccggccct ctcactcccc ttctgtggcc acgatgcctc agggaaagat 600
ggcattttag gcagcaggta agaacg 626

<210> 1382
<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<400> 1382
ctgtttaggt tatagtctat tgatactttt tatatacaat tttataaata taaatattat 60
aattttatat taatggtacc aaaaatacat ttcttaaggt taaaagcatg cacttccatg 120
catacttgct tttggggaga gtggggagaa gacattctaa taatcagttt gtgaaatagc 180
ttctgttgga aacctttga ggggaataag gaatggtcat ctaaaatgag agattctgga 240
ttttaatgca gttcaaagtt gagctgtatt tttgttgttg atttatctgg attttttta 300
aagccttcta aaacccagtg aattcaatac cttaattagt acatactatc ttatgtaatg 360
cataaagcaa tgccagtcac tgagaacatt taaatatatt tatattcctg gagatacaca 420

ttctcatttt tgttggttta ttataaatta ttcttctaga tgcatctttt ataactagga 480
tttcattttg tgtgtatagc ttatgtaata aattttaaag gtgaaaactc tcttaaaaaa 540
aaaaaaaaaa aaaggggggg ccgccccaag nggcccaagn tta 583

<210> 1383
<211> 517
<212> DNA
<213> Homo sapiens

<400> 1383
acatatggaa ctcatcattc attttaaagt atggtggcca ttggcggtga caaaaggaaa 60
agaagcaaag agactcagtc cataatgctg attagttaga agaaagggct aggattgaga 120
aagtaccagg aacttttaat tatttaaaag agaatgctga ctgttaatgt tttaaatctt 180
actgttcaaa tgtastaata tgaatttta ccctttgtgc atgaatatts taaacwacta 240
gaagacctcc acaatttagc agttatgaaa gttaaactkt ttattataaa aattctaaac 300
cttactgctc ctttaccagg aacatgacac actatttagc atcagttgca tacctcgcca 360
atagtataat tcaactgtct tgcccgaaca atcatctcca tctggaagac gtagccttta 420
gaaacacatt tttctattaa tttctctaga acttcttttc ggtataatct gtaagaaatt 480
aaaaatatat atcaacttct ggataaataa aaaaaaa 517

<210> 1384
<211> 1230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1216)
<223> n equals a,t,g, or c

<400> 1384
gcggccgcgg ctcccgagct cctcgggctc tgggtcccgg cgcccctccg gccgcgagtc 60
ccacgcgcca cccccgggcg ccctcgacgg tggatctagc ggcggcgagg aggcgggtcc 120
cggccccggc gaaccccagt cccggccccc ggccccgggc ccagcttcgg catggatgtg 180
aggttctacc ccgcggcggc cggggaccct gccagcctgg acttcgcgca gtgcctgggg 240
tactacggct acagcaagtt tggaaataat aataactata tgaatatggc tgaggcgaac 300
aatgcgttct tcgctgccag tgagcagaca ttccacacac caagccttgg ggacgaggaa 360
ttcgaaattc caccaatcac gcctcctcca gagtcagacc ctgccctagg catgccggat 420
gtactgctac cctttcaagc cctcagcgat ccattgcctt cccagggaag tgaattcaca 480
ccccagtttc cccctcaaag cctggacctc ccttccatta caatctcaag aaatctcgtg 540
gaacaagatg gcgtgcttca tagcagtggg ttgcatatgg atcagagcca cacacaagtg 600

tcccagtacc ggcaggatcc ctccctgatc atgcggtcca tcgtccacat gaccgatgtg 660
cgcgttctgg ggtcatgcct cctgcccagc tcaccaccat caaccagtct cagctcagcg 720
cccagttggg gttgaatttg ggaggtgcca gtatgcctca cacatctcct tcacctccag 780
caagcaaatc agccactccc tccccttcca gctccatcaa tgaagaggat gctgatgaag 840
ccaacagagc cattggagag aaaagagctg ctccagactc tggcaagaag cccaagactc 900
caaagamaaa gmaamagaaa gatcccaatg agccacagaa gccagtgtca gcatatgccc 960
tgtttttcag agacacacag gctgcaatta aaggtcaaaa ccccaatgca acctttggag 1020
aggtctcama aattgtagca tctatgtggg acagccttgg agaagaacaa aagcaggtat 1080
ataaaaggaa aacagaagct gccaaaaaag aatacctgaa ggccctggcg gcatacaggg 1140
ccagnctcgt ttctaaggct gctgctgagt cagcagaagc ccagaccatc cgttctgttc 1200
agcagaccct ggngtngacc aatctaacat 1230

<210> 1385
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<400> 1385
aagcaacgaa atattatgat gttctaaatc ctacctaaat attcttactc ttaaagctat 60
ggtcataaaa cccactggct ttcttcaaaa ggtagattac attattagaa agttgtaaag 120
atatattatc accaaactaa aactttgctt ttgctttatt cagaggaatt taaagataat 180
agacaagaaa tttctattta gggctatgtc cctgtaccac actttaggga atgaaacact 240
gtcatatgtc ctgtcagata actgagttaa acatttcact ttgcagttaa caaaacagct 300
agagcctagg tataatgctg tggtatgtgt cttagttttn gctttttccg ttctctcata 360
ataagtgatc ctgagtatgt ct 382

<210> 1386
<211> 1202
<212> DNA
<213> Homo sapiens

<400> 1386
gagaactagt ctcgagtttt ttttttttt ttttttttgc tttacattac ttggtatgta 60
aataccttga ttaaaacctt gtaaaccaat ttcaaggtta ctataagttg tatagtacaa 120
gtgtttttta aaaatcttgg ggtgttttta aaaattaaga tatattttgc ccaagaattt 180
ttttaacaag attgctaaaa acatcttatt tagacacttc aatgtaccaa tttataattg 240
gatattcagt ttaaatagta cacagagttg tggcttttat tttcaattaa tttttttcct 300
tgtgggcagt gtgcatggta taataagcct gagcagaggc ttaagttgta tgtgtgcaga 360
gtttgtaaag gaatcaattg gaagatgcag aagaccgagg tttgctttca aggtattttt 420
caggctgtgt gggtaaaatt tgcctcaaat ttctatcaaa caggaatgta aaatagataa 480
aatcctatgt atttgaattg tcagagctag ggagtgcaaa tgttttggca atgtattcaa 540
aatgctggcc tgggcaccaa agagaaaata gccttttaca gttacatagt aagatgcgat 600
tagtacccac aaattactgt tttctaaaca tttgaagttt tacgattagc tttaaaataa 660
tgattttata aattggtggt cacaataatt ttggtattac tttcctcctt ttcccactta 720
gcaatatagc caaatgtatt caacataaaa attcataggg tctgaaattc atagctgggc 780
caaatttttt atggcacctt agttttacca taatggtcat ctattacact cttctgttat 840

aaaatatacc cttatttctt ttgtttatag tatctttgag gaatgttttt ggaaaagtta 900
atttatattt tatagggaga acactcaata aattatgtta actgtgcccc cgagttaaaa 960
attttatgag tatatgtgaa acttgaacaa ctgaagactt tttttaattg ataaaaatgc 1020
ttagtatgcc tgttttggtc tgccagtaaa ttaagtagct tattgagata actaacagct 1080
aaatatagct gtagtgtttc ctgactgtat attctatgat ttaataaaat tatccagact 1140
agttatattg ccacagtaaa catgtgactg aagtgtcctt catcttaatc tgaaagaggg 1200
ca 1202

<210> 1387
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<400> 1387
gatacctctg tggtatgagt atttcaggga aaaagaaagc aggcatggca cccattcgat 60
tttccctgac agcatctgag atccttttgg ggagacgctg aggagtgttt gctgccatgt 120
actcttacag ctctatgctg acactcccat ttgatgtggt ccagaactta gacctcagtc 180
cttggatcag ccctgtggtc cctgcaagca ggggcatctt tctgcatgtg agccagcccc 240
cttcctgttc aagggttctg ctggatctgg gcttttcctg tccttcactt ctgggatgat 300
tcaccccaca tcttccagta ccctgtaaac cattttaaaa tatttagaaa actatcctcc 360
caaaaatgct tttgaaaatg agagccctct gtccctgcca cttacagcta gtctctttgg 420
gataggggtg tatgtggaga gattcatgta agtctcacat gagtgacctg tgcccctatg 480
tgtactaatg tgtgtactgg gtcagaaggt gccctgggtt cccacagacc ttggtttcct 540
gcctgggtgg gtggnaagna anggaactta nagaa 575

<210> 1388
<211> 1672
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1652)
<223> n equals a,t,g, or c

<400> 1388
atataagcaa cacttcttcg gattgtcggc cctcagagga gagtgagctg ctcacagata 60
ctaccaccaa catcctttcc ggcaccactt ctactgtcga atcagatata ttgacccaaa 120
cagatagaga ggtggctctg cacgaaagga gtagctctgt ttccactatt gacactgccc 180
ggctgattca agcttttggc catgaaagag tatgcttgtc acccagacga attaaattat 240
atagcagcat caccaaccaa cagaggagat accttgagga agcggrcaaa cacagcaaga 300
aagtgctgaa ntacaggtca tcccctagtg acttctgagc acaccagaag gagacacatc 360
caggtagcaa accatgtgat ttcttctgac tctatttcct cttctgccag tagtttcctg 420
agctcaaact ctacttttttg caacaagcag aatgtacaca tgttaaacaa gggcatacaa 480
gcaggtaact tggagattgt gaacggtgcc aaaaaacaca ctcgagatgt tgggataact 540
ttcccaactc caagttccag cgaggctaaa ttggaagaga acagtgatgt gacttcttgg 600
tcagaagaaa aacgtgaaga gaaaatgctc tttaccggtt atcctgagga cagaaagtta 660
aaaaagaaca agaagrattc ccatgaagga gtttcckggt ttgttcctgt ggaaaatgtg 720
gagtctagrt caaagaagga aaacgtgcct aacacttgtg gccctggcat ctcctggttt 780
gaaccaataa ccaagaccag accctggagg gagccactgc gggagcagaa ctgtcagggg 840
cagcacctgg acggtcgggg ctacctggca ggcccaggca gagaggctgg cagagaccta 900
ctgaggccat ttgtgagagc aacccttcag gaatcgcttc artttcacag acctgacttc 960
atctcccgct ctggggagcg gataaagcgc ttgaagttaa tagtccagga gaggaagctg 1020
cagagcatgt tacagaccga gcgggatgca ctattcaaca ttgacaggga acggcagggc 1080
caccagaatc gcatgtgccc gctgcccaag agagtcttcc tggctatcca gaagaacaag 1140
cctatcagca agaaggaaat gattcagagg tccaaacgga tttatgagca gcttccagaa 1200
gtacagaaaa agagagaaga agagaagaga aaatcagaat ataagtcata ccggctgcga 1260
gcccagctat ataaaaagag agtgaccaat caacttctgg ggagaaaagt tccctgggac 1320
tgacacaagt ttatttcct cagagccttg gaattctatt ttatgaacct agagaagcag 1380
aatccttact tttgtgagtc tggttgaata aagcttattc tttgtccatg tgtattttag 1440
aaatagtaac ttctaaagag tctggaacaa agtggtgatt aaaattccta atggtttggg 1500
agcaatactt tctgcatagt ggccttgtcc aatggcctgt gtgttacaat gatatgatca 1560
tttctcaaga ataagtccct ttttgtatgt gtttttatac ttttagaaaa taaaaacttt 1620
agattaaaaa aaaaaaaaaa aaaaaagata tnctcggtcg tcaagggaat tg 1672

<210> 1389
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (404)
<223> n equals a,t,g, or c

<400> 1389
ggcccatcct gggtgaggct ggggctctcc tgggcactgt atgtattctg gatacaggga 60
tactgggctc gctatgtgtg tggarccatc ccttccttgc cccagcccca cctccctctc 120
aaaccctctc tggctctttc tgagcttcct ttcctgctcc ccagcttgcc cagtgctcag 180
tgccccactt ggctcttttg ctacttcggg tcaggtggaa cctcttggga atgtgaartg 240
ccttacagaa agattgcact tcaagargar argctscagg gaaccatcct aaacccaaaa 300
gcctggaact tactgkgtca ctttactttt gttnacaagg gtctccttaa tgccctcgaa 360
aaagatcttg ggcctgaact tctatcctga aggccacctc tgtncaaccc aactccctca 420
actcttaggt gttatctcaa ttggaaaa 448

<210> 1390
<211> 882
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (867)
<223> n equals a,t,g, or c

<400> 1390
gcttccttgt aggaaatgac cttcactctg ggtttaactg gagtggcatc acctcccagg 60
gagacagtta cttcctggag gargtggtgt ttcctccacc cataggtgcc ctgccccatc 120
ctcatggtgg cagcaaatca gcatgtgctg gggagaccct ggggtagcag ccactgacct 180
cacacctgga ggaagctgtg tgaccgattc atgagcttat gcctgaagac agagcaagca 240
ctccccgcac cacgacgatg acgttcactt gtwttgwgtt tttcgatctc ttcaacgcct 300
tgacctgccg ctctcagacc aagctgatat ttgagatcgg ctttctcagg aaccacatgt 360
tcctctactc cgtcctgggg tccatcctgg ggcagctggc ggtcatttac atccccccgc 420
tgcagagggt cttccagacg gagaacctgg gagcgcttga tttgctgttt ttaactggat 480
tggcctcatc cgtcttcatt ttgtcagagc tcctcaaact atgtgaaaaa tactgttgca 540
gccccaagag agtccagatg caccctgaag atgtgtagtg gaccgcactc cgcggcacct 600
tccctaatca tctcgatctg gttgtgactg tggcccctgc cgtgtctcct cgtcagggga 660
gacttttagg aggccgcagc cttccatcac cggatcagtt tttcctctta ggaaagctgc 720
aggaacctcg tgggctccag ggacccaggc ccacatccat ccagcgttcc cgctggctgt 780
gggacagaca gggaggggcc tgtacagaaa caccacactg tttattaaat cacaatgatt 840
tttattaaaa aaaaaaaaaa aaaaaanaaa aagggcggcc gc 882

<210> 1391
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 1391
ccaccccagg gtctggtccc tgacgacgcg cagtgagggc cccgccgcta ccccagcagt 60
cgcctcccaa gttcgcggaa cgcagctgac cggctccctc tggactgggt gacatgactg 120
ctcccaagca gtcgtttgta aactgagttt ctgtaaaaca attttatttt tcatatgtga 180
ctgtagcggg gtatgatttg aactttgttt tccgtccccc agcccggatt ctctgtcttc 240
tcctgtacag ccgntccgtt ttcttacctc gtctccgtca ccgaggccct cagccctgaa 300
cacaaggact gggcagtttc cctattgatt cctgaacctg gaacttaaga catcttccga 360
ggggccccc cttgncacac cctttagctg atcgacttac aaatacctgg gattctntcc 420
ccg 423

<210> 1392
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (730)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (747)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (811)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (843)
<223> n equals a,t,g, or c

<400> 1392
cccacgcgtc cgcttttttt aatctatgtt attgtgagct tgtgcaatgc aagtggctct 60

tattataata atgaaatagc tactccattt aattctttac atgtccaatg ccagctttct 120
ctccgtttgc ctgttagccg agaaccctgt gcaactctct cctggatgtc atgggaaata 180
tgacaaagag asaacacttg gtcttggcct caaaggactc gtaatacaga agacccgaga 240
aggatgtacc tgcagggtta tctacagsag aaatttaatm aaatacttgg cacatcgcag 300
ttacaaagaa agttttcaac gtgggccatt ggccactgca ggtttctttg tgagaaacat 360
ttgtgtgtnt ttttatccga gggaacaaaa ccctaggaaa ggaagtttca tcatctactc 420
ccatttttcc tccttcttga acaaaacttt tagctcaagg aacactgctt ttgaaggctt 480
gtgtttcatg cagcctgctt ccttagttga tctgttcaca agatcacatc aagtaattty 540
ttccattctg ggaagatggc gaaaacaaac agatactgtc agcagatgtt gatgaaccac 600
ctttccagaa ataaacagtg gcagggaaca gagaaagcct ggagaatccc catcagtcat 660
cagccggaga agacctttтc ctgggctgga gtccttgctg ggggaacgtc tgttctctgc 720
agcctgaagn agctctgggc caggagncag cactcagcaa gtcctaagac caattaccat 780
cctgggtcca ttttgggttt gtaaagtcat ngaatttttc tctccagggc cttagtgccc 840
gtntgtaaat gtacca 856

<210> 1393
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<400> 1393
gtagtaattg aattattatc agaagtaaat tgacctcaaa aaaagtaatt gggaaaatta 60
agtttatggc actttgtgta ataactgtat tgatgatgaa gagaaggtta gtactgtaat 120
ttgttttgta taagtctagt gcatatttgg attgagtatg tttttaaaaa gccattgaaa 180
accacatttt gtttggcttt agttacagtc tttgactgtc ccaactatta actttattaa 240
ctttattcat acacatagaa atacattaca caagcatcaa acataaacat tcagatcact 300
cacttcatct ttctcctggg cctaaaactg tcagtatatt tgcagttttc tgatatgtgt 360
tgtctgcatt cagaggactg tcaagagtca tagataggca tctgaatgaa gctttgagct 420
tcttaaaatg caaggtgggt gaaacacagg ataccaggaa gagaaaggat attgttcata 480
tagttgtggc agtggccttg agaactgtct tggctagaga tagattagga atctgnatta 540
atcctggaca ttggggttcc tttagtggat cccttnagct ttccctgccc ggctctaccc 600
attagntatc cagcaattta tgggccagtt aggaacctcc a 641

<210> 1394
<211> 712
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (705)
<223> n equals a,t,g, or c

<400> 1394
ggtggtggtt catggatgtt gataaggaat taaaatgtac cgtgcgactc tctgtttcag 60
tggtgacttt tacctgttta gtataaatat tcctttgctt ccaaccataa atgtgttctt 120
agaaatgggc ctatagttta gtaacctata gtttggtaat aggcttgttt gttttcagat 180
ggattttggt tctgtgagct aaagctattt tgcattaaag ccttcgtcct cacacattgt 240
tttgacatat ttctagtctt cataaacttt tttaatttag attttttttcc cttcacaagt 300
atacatctgt tttagcaaat agccttatga aggttgtaga tgtattattt tgggcatgcc 360
tggtgatttc tatatttttt ccaattacat ttaaagcttt atgttttagg aatataagta 420
cattttattt ctacttttta ttatatatat ttaattgcac aagtactact gtctagaaaa 480
aaatgggatg ttgctaacac agcattgttg gcttgtaggc agtgctgtcc tgtaaataga 540
ttgaaatgta tttttatcag ctggtatata aatttgagga aagaaaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaanggggg gg 712

<210> 1395
<211> 920
<212> DNA
<213> Homo sapiens

<400> 1395
aatttttcac ttccagacgg cgatacaggg attccagatg cgcttttacc gttccggtac 60
tgatattcag cgctctgccg atctccttat ttgattcgcc cgccgctaac atggttaaaa 120
tctcccgctg gcgggcgctt aacgatttga gatctttaat gtccttttcc ggcgtcgtcc 180
gccagtctcc aggcagaaac atcatcccca tcgccgcact atttaccgcc aacgcaaatg 240
tctcgacggt tgaatcacga ggcacaatgg ccagcacatt aaaatggata acttcctgta 300
accaccgttt attgcaatcc gtcgccgtaa ttaacacctt aacctcagga aattgcacca 360
cggtttttg cagcaaccag tagcaaaact caccatcctg atcgccatcg agcataacta 420
aggcttcagg gtaactttcc agcttttgcc ataactcgtc tgcctgactg gccccctgaa 480
tactcactcc tggaatacgc tgctgtaaac tgattttcat tccatgaata aatattgact 540
gcctgtcaaa catgactatt tgcataactg aatctccacc tgaatacgtt aaaaagactt 600
aagtagtgga agggtattac ccgcgagaaa aaataagaat tcgccatttg gcggtggcca 660
ttctacagag atgacgtgta gaaaatagtt accgatataa atagttacag ctaaacgcct 720
gaaattacat gtcgagggca ctatttaaaa caattttgag gatttcctta tattggtggt 780
tagtacgcat gcaattaaaa atgaaattcc gcgaccacaa gccaaaataa caaacggcaa 840
ggagacaaaa ataagcacaa atagccaaca cgtcctctgt tcactttaaa gggaatcgct 900
gaaaaatacg ctctgtttaa 920

<210> 1396
<211> 1101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (930)
<223> n equals a,t,g, or c

<400> 1396
tcgacccacg cgtccgccca cgcgtccgca acccccctctt taaaatgcaa aatggccctt 60
ccctaaaata acacacaacc acaaccgcag ctggctctgc acgaaggcca tgctgcagct 120
cttttcttcg gaagtcgatt ttcctccgtg gaatttggct gggcttgtgg tagcgtttga 180
gactctgcaa gagcacgtcc acgccaacca gtctctggtc accgactggc tcgcaaattc 240
cccatttaag gaaaccagca ggcctctgtt atgaaactcg gggaaggaat gtgaattatg 300
ctccatgcgg aggctcctgc tcctgcacgt tttccagcct tttccatggg ccacggtgga 360
gcatttgggg aaggcctgtg tggattcccc cccaagtcca gactgatgcc cctgatacct 420
tctcaggagg tggcggaggg tctgggctct gtccaggctc ctaggggtgg ggacgtgcag 480
gtaaagcaag gcgtctgccg cagacgcggg agccttccct gggctggctg ccagcacctt 540
ggagtcccag gctgccagga aaagttcacc cacacccggg ctttgctggc gaagggtgag 600
tcatatgatg gccgggctcg ggccctcagc agacaccaag tgtgttccca gagcagccgc 660
tcagcgcctg taacctggaa caggccagcy tttcggggsc tcagttttct catctgccta 720
atgggaatag caattcccac cttccctgtg ttggttgggt tctcactaga tgcacaggag 780
acagcagctt kagagggact gtttggarar ctgttccatg tgacaccccct cttaccctgt 840
ccccacgggg ccggaggagc aggggcttgg tgatagcagc tgggcgcagt cagcctctgc 900
agggaagagg gcatgtttgg ttcgaggctn ytatgccctc attcttgttg atcttgtcac 960
agcccctctg gaaggtggag atggtactcg ctcaggaacg ataccactca aggaagcatg 1020
gccccctgga tggggtggcc cttggtgcac ctgaggctcc tgaggctgca gagcaccatg 1080
gtgggggagg aggcggctgt g 1101

<210> 1397
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 1397
ttaggcagaa tgatcacctc cgttgtttca ggtactctgt gtttatttat gcaacagttc 60
atgtaaaatg gagacgaggc cagargawtc cttgagcagm cagagccagt tgggcctcct 120
aagtgacctt aaccttgctt gatttgcaag catgtctgaa actttatttg tggtatttct 180
tgtaaatgcc tatgttaaag aaacacagaa cttaagctca accaatcaga agcagccaac 240
aaaaacgtaa ttagtaacta ggacttcctc atgggataga ccaaataagg caactgtata 300
actgtgtaac tgtataactg taaccaatga aatattatct ttgcttttat ctatttgtcc 360
taaaaagcct cctcctcatg ttctctctgg ggagctccct akccacttct ggmtcactgc 420
tcaaataaac tcytaaatat tttaaaan 448

<210> 1398
<211> 763
<212> DNA
<213> Homo sapiens

<400> 1398
agatttacct tgagcacttt ccaaattgat actttcaaac ttattttaaa gcagtagaac 60

cttttctatg aaytaawtca catgcaaaac tccaacctgt agtatacata aaatggactt 120
acttattcct ctcacyttct ccagtgccta ggaatattct tctctgagcc ctaggattga 180
ttctatcaca cagagcaaca ttaatctaaa tggtttagct ccctcttttt tctctaaaaa 240
caatcagcta ataaaaaaaa aatttgaggg cctaaattat ttcaatggtt gtttgaaata 300
ttcagttcag tttgtacctg ttagcagtct ttcagtttgg gggagaatta aatactgtgc 360
taagctggtg cttggataca tattacagca tcttgtgttt tatttgacaa acagaatttt 420
ggtgccataa tattttgaga attagagaag attgtgatgc atatatataa acactatttt 480
taaaaaatat ctaaatatgt ctcacatatt tatataatcc tcaaatatac tgtaccattt 540
tagatatttt ttaaacagat taatttggag aagttttatt cattacctaa ttctgtggca 600
aaaatggtgc ctctgatgtt gtgatatagt attgtcagtg tgtacatata taaaacctgt 660
gtaaacctct gtccttatga accataacaa atgtagcttt ttaaagtcca ttgtattgtt 720
ttttctttca ataaaagagt ataattaatt gtgttgtttt tga 763

<210> 1399
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<400> 1399
cgttgccagt gtatgacaaa agtaggagtt agtaaactaa tatattttgt acattttgtt 60
ttacaagtcc taggaaagat tgtcttctga aaatttgatg tcttctgggt tgatggagat 120
gggaagggtt ctaggccaga atgttcacat ttggaagact ctttcaaatt ataactgttg 180
ttacatgttt gcagtttatt caagactgct gtatacatag tagacaaatt aactccttac 240
ttgaaacatc tagtctatct agatgtttag aagngcccga tgtatgttaa aatgnataag 300
gtattaaata ccccttggg 319

<210> 1400
<211> 1575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1450)
<223> n equals a,t,g, or c

<400> 1400
gcaagttcag attcgtattt tggatgtcaa tgacaatata cctgtagtag aaaataaagt 60
gcttgaaggg atggttgaag aaaatcaagt caatgtagaa gttacgcgca taaaagtgtt 120
cgatgcagat gaaataggtt ctgataattg gctggcaaat tttacatttg catcaggaaa 180
tgaaggaggt tatttccaca tagaaacaga tgctcaaact aacgaaggaa ttgtgaccct 240

tattaaggaa gtagattatg aagaaatgaa gaatcttgac ttcagtgtta ttgtcgctaa 300
taaagcagct tttcacaagt cgattaggag taaatacaag cctacaccca ttcccatcaa 360
ggtcaaagtg aaaaatgtga aagaaggcat tcattttaaa agcagcgtca tctcaattta 420
tgttagcgag agcatggata gatcaagcaa aggccaaata attggaaatt ttcaagcttt 480
tgatgaggac actggactac cagcccatgc aagatatgta aaattagaag atagagataa 540
ttggatctct gtggattctg tcacatctga aattaaactt gcaaaactty ctgattttga 600
atctagawat gttcaaaatg gsacatacac tgtaaagatt gtggccatat cagaagatta 660
tcctagaaaa accatcactg gcacagtcct tatcaatgtt gaagacatca acgacaactg 720
tcccacactg atagagcctg tgcagacaat ctgtcacgat gcagagtatg tgaatgttac 780
tgcagaggac ctggatggac acccaaacag tggccctttc agtttctccg tcattgacaa 840
accacctggc atggcagaaa aatggaaaat agcacgccaa gaaagtacca gtgtgctgct 900
gcaacaaagt gagaaaaagc ttgggagaag tgaaattcag ttcctgattt cagacaatca 960
gggttttagt tgtcctgaaa agcaggtcct tacactcaca gtttgtgagt gtctgcatgg 1020
cagcggctgc agggaagcac agcatgactc ctatgtgggc ctgggacccg cagcaattgc 1080
gctcatgatt ttggcctttc tgctcctgct attggtacca cttttactgc tgatgtgcca 1140
ttgcggaaag ggcgccaaag gctttacccc catacctggc accatagaga tgctgcatcc 1200
ttggaataat gaaggagcac cacctgaaga caaggtggtg ccatcatttc tgccagtgga 1260
tcaagggggc agtctagtag gaagaaatgg agtaggaggt atggccaagg aagccacgat 1320
gaaaggaagt agctctgctt ccattgtcaa agggcaacat gagatgtccg agatggatgg 1380
aaggtgggaa gaacacagaa gcctgctttc tggtagagct acccagttta caggggccac 1440
aggcgctatn catgaccact gaaaccacgr agaccgcaag gcscacaggg gcttccagag 1500
acatgggccg gagcttcagg cagctgctgt ttgcactgaa cgaggaattc ttaaaaaatt 1560
tatttcactg gttaa 1575

<210> 1401
<211> 1313
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1291)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (1295)
<223> n equals a,t,g, or c

<400> 1401
caacacccca tctctctctc tctaaaaaaa gagaactggc cgtgagctat tgtgcccagc 60
tgggatcttg acaaagacac tatttctctc ctttcacctg tgctgtgtat ttttccctcg 120
cctagttccc agacctcact gctatatgtc ttctccctgg caggcaggat gacgcaaaac 180
acggtgattg tgaatggagt tgctatggcc tctaggccat cccagcccac ccacgtcaac 240
gtccacatcc accaggagtc agctttgaca caactgctga aagctggagg ttctctgaag 300
aagtttcttt ttcaccctgg ggacactgtg ccttccacag ccaggattgg ttatgagcag 360
ctggctctag gggtgactca gatattgctg ggggttgtga gttgtgttct tggagtgtgt 420
ctcagcttgg ggccctggac tgtgctgmgt gcctcaggct gtgccttctg ggcggggtct 480
gtggtgatcg cagcaggagc tggggccatt gtccatgaga agcacccggg caaacttgct 540
ggctatatat ccagcctgct caccctgrca ggctttgcta cagctatggc tgctgttgtc 600
ctctgcgtga atagcttcat ctggcaaact gaacccтttt tatacatcga cactgtgtgt 660
gatcgctcag accctgtctt ccctaccact gggtacagat ggatgcggcg aagtcaagag 720
aaccaatggc agaaggagga gtgtagagct tacatgcaga tgctgaggaa gttgttcaca 780
gcaatccgtg ccctgttcct ggctgtctgt gtcttgaagg tcattgtgtc cttggtttcc 840
ttgggagtag gtcttcgaaa cttgtgtggc cagagctccc agcccctgaa tgaggaagga 900
tcagagaaga ggctactggg ggagaattca gtgccccctt cgccctctag ggagcagacc 960
tccactgcca ttgtcctgtg agcygccaaa gaccccacgg ggtgcccgca tgtccctgtc 1020
tagggcagcc cagggccccc actcctggct cctcacactt gcctccccta tggccgctct 1080
ccagaccctc ctcctttctt ctccccacat ccgcacctgc tgttcccact ctggggttct 1140
caagtccatg aacagatatt gttgcatttt ccacaatgct gattaaacat aataaacaat 1200
ccagaaaagc araaaaaaaa aaaaaaargg cggccgctct aaaaggatnc ctcgaagggg 1260
cccaagcntt aagcgttgca tgngaagtca naagnctttt ccctaatagt gaa 1313

<210> 1402
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<400> 1402
cactaaggga acaaaagctg gngctccacc gcggtggcgg ccgctctaga actagtggat 60
ccccсgggct gcaggaattc ggcacgagtg aacccttgct tgatacgcac atagtgaatg 120
gagaaagaga tgaaactgcc acagctcctg catcacccac aacagayagc tgtgatggaa 180
atgcttctga cagtagctac aggactccag gcataggccc agtggctccc cctagaagaa 240
agaggggcag aaacagaaac caaggtacaa gagagggaaa atggggaaag ccctctggaa 300
ctggagcagc tggaccagca ccatgagatg aaggagacta atgagcaaaa acttcacaaa 360
atagccaatg aacttttgct tactgaaaga gcttatgtca accgacttga cctcttagat 420
caggtatttt attgcaaact gttggaagaa gcaaaccgag gctcgtttnc agcagagatg 480

gtgataaaat cttttctaat atttcatcaa taaatgcttc catagtaaat 530

<210> 1403
<211> 1410
<212> DNA
<213> Homo sapiens

<400> 1403
gaaaatgtat ataataggca aggaaagaaa tacagtactg tttctggacc cttataaaat 60
cctgtgcaat agacacatac atgtcacatt tagctgtgct cagaagggct atcatcaccc 120
tacaactcac attagagaac atcctggctt ttgagcactt ttcaaacaat caagttgact 180
cacgtgggtc ctgaggcctg cagcacgtcg gatgctaccc cactatgaca gaggattgtg 240
gtcacaactt gatggctgcg aagacctacc ctccgttttt ctactagata ggaggatggt 300
agaagtttgg ctgctgtcat aacatccaga gctttgtcgt atttggcaca cagcagaggc 360
ccagatatta gaaaggctct attccaataa actatgagga ctgccttatg gatgatttaa 420
gtgtctcact aaagcatgaa atgtgaattt ttattgttgt acatacgatt taaggtattt 480
aaagtatttt cttctctgtg agaaggttta ttgttaatac aaggtataat aaaattatcg 540
caacccctct ccttccagta taaccagctg aagttgcaga tgttagatat ttttcataaa 600
caagttcgag tcaaagttga aaattcatag taagattgat atctataaaa tagatataaa 660
tttttaagag aaagaattta gtattatcaa agggataaag aaaaaaatac tatttaagat 720
gtgaaaatta cagtccaaaa tactgttctt tccaggctat gtataaaata catagtgaaa 780
attgtttagt gatattacat ttatttatcc agaaaactgt gatttcagga gaacctaaca 840
tgctggtgaa tattttcaac ttttttccctc actaattggt acttttaaaa acataacata 900
aatttttga agtctttaat aaataaccca taattgaagt gtataatata aaaaatttta 960
aaaatctaag cagcttattg tttctctgaa agtgtgtgta gttttacttt cctaaggaat 1020
taccaagaat atcctttaaa atttaaaagg atggcaagtt gcatcagaaa gctttatttt 1080
gagatgtaaa aagattccca aacgtggtta cattagccat tcatgtatgt cagaagtgca 1140
gaattggggc acttaatggt caccttgtaa cagttttgtg taactcccag tgatgctgta 1200
cacatatttg aagggtcttt ctcaaagaaa tattaagcat gttttgttgc tcagtgtttt 1260
tgtgaattgc ttggttgtaa ttaaattctg agcctgatat tgatatggtt ttaagaagca 1320
gttgtaccaa gtgaaattat tttggagatt ataataaata tatacattca aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaraaaaaaa 1410

<210> 1404
<211> 1442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1419)
<223> n equals a,t,g, or c

<400> 1404
cttctatatt agatggacag atttatatac ttttccatgg aggattaagt aaactgaaac 60
ctaagacaca cgaagaaatt ctaagtggaa aggccactta ttagttagtt tacagcagta 120

tcgtaagtga caggatgata ggagtgtggt aagtgatcag gataataatc tgcttagtaa 180
gagaaacaat ttgaatttta gaaggaaatt gccttaccat ttgcaaatta aggtaattaa 240
aatacagtga atttcaaaat gccttttaa tgacaatgtg tgaacttaat ttgttttaat 300
aaaccaaaat tgttgttatt gtgttaaggc tattttacat tgaatgtgta tcttgccact 360
gatgttaact tatcccatct tacccaaggt tgtaggtaac aatatactat tgggtgacag 420
tggactaaca tctctagtga tccctttgtc agtggtcttt aacttaaaat aatttagaga 480
atatggtttc tacaacttac atttttgttt wcttgtaact acagattatt atgatggttg 540
taatgaagat tatgagtata attggagcta tatgtttctg aattctgaac aactatttat 600
aaaattttat cctacttttt tctgttgaac atatgacttc tctggtctgc taaacacata 660
cagaccttta gttttggttt acatggattt aaatatatag atatatcact gtaaaataaa 720
cttcaggtgt aacagattta tagagaaagt aatcatattt gtttatggtt gtgtacctac 780
tttgagaaga aaagaaaaat attagaatga acagataatt ttacaagtgt tgatcactta 840
ccagcaaacc agaaacttca gagattttga aagcaaatct attttctctg ctgtgtatta 900
aattcattta tctaaaatgt tattgctcct ggcttagaat catcttgtgc aaattctctt 960
tttttgttgt ttgtctgttt gcctgttgct caccatagac ataatttttct tttcataaaa 1020
cattctttgt ataatcacct cagagattat gaaagtgact ttgataaaat ttaatggtgt 1080
tcacaaaata attttcacgt gagtaatttc acagtgcgtg tattgtatgt tatttagtgt 1140
attttatatt ttgtttcaat tagagaatgc tattgaatcc agtttttgtt tagttactgt 1200
tcattttact ttataaaatt gacataattg agtttattaa atttattggg ccaatttaag 1260
taaacagttg aacgtttcat aagtcatgag gtctttttgg gcatatacat gaagtaaaca 1320
aagacaatac taggctatgt aataggragg ctaccttaat taggaggtaa atattcnttt 1380
tggaaattgg gcccgtgggc ctcgggtgga aaatggggna atatccctag gtaaaaaaat 1440
gg 1442

<210> 1405
<211> 1689
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (976)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1671)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1680)
<223> n equals a,t,g, or c

<400> 1405
agctccaccg cggtgacgnc cgctctagaa ctagtggatc ccccgggctg caggaattcg 60

gcacgaggtt acattcagta tggtaatgaa gaacagagaa aacaggcttt tgaagaattg 120
cgagatgatt tggttgagtt aagtaaagcc aaatattcga gaaatattgt taagaaattt 180
ctcatgtatg gaagtaaacc acagattgca gagataatca gaagttttaa aggccacgtg 240
aggaagatgc tgcggcatgc ggaagcatca gccatcgtgg agtacgcata caatgacaaa 300
gccattttgg agcagaggaa catgctgacg gaagagctct atgggaacac atttcagctt 360
tacaagtcag cagatcaccg aactctggac aaagtgttag aggtacagcc agaaaaatta 420
gaacttatta tggatgaaat gaaacagatt ctaactccaa tggcccaaaa ggaagctgtg 480
attaagcact cattggtgca taaagtattc ttggactttt ttacctatgc acccccaaa 540
ctcagatcag aaatgattga agccatccgc gaagcggtgg tctacctggc acacacacac 600
gatggcgcca gagtggccat gcactgcctg tggcatggca cgcccaagga caggaaagtg 660
attgtraaaa caatgaagac ttatgttgaa aaggtggcta atggccaata ctcccatttg 720
gttttactgg cggcatttga ttgtattgat gatactaagc ttgtgaagca gataatcata 780
tcagaaatta tcagttcatt gcctagcata gtaaatgaca aatatggaag gaaggtccta 840
ttgtacttac taagccccag agatcctgca catacagtac gagaaatcat tgaagttctg 900
caaaaaggag atggaaatgc acacagtaag aaagatacag aggtccgcag acgggagctc 960
ctagaatcca tttctncagc tttgttaagc tacctgcaag aacaygccca agaagtggtg 1020
ctagataagt ctgcgtgtgt gttggtgtct gacattctgg gatctgccac tggagacgtt 1080
cagcctacca tgaatgccat cgccagcttg gcagcaacag gactgcatcc tggtggcaag 1140
gacggagagc ttcacattgc agaacatcct gcaggacatc tagttctgaa gtggttaatr 1200
gagcaagata aaaagwtgaa agaaaatggg agagaaggtt gttttgcaaa aacacttgta 1260
gagcatgttg gtatgaagaa cctgaagtcc tgggctagtg taaatcgagg tgccattatt 1320
ctttctagcc tcctccagag ttgtgacctg gaagttgcaa acaaagtcaa agctgcactg 1380
aaaagcttga ttcctacatt ggaaaaaacc aaaagcacca gcaaaggaat agaaattcta 1440
cttgaaaaac tgagcacata ggtggaaaga gttaagagca agatggaatg atttttctg 1500
ttctctgttc tgtttcccaa tgcagaaaag aaggggtagg gtccaccata ctggtaattg 1560
gggtactctg tatatgtgtt tcttctttgt atacgaatct atttatataa attgtttttt 1620
taaatggtmt ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaggggg ncccccaan 1680
gggccccaa 1689

<210> 1406
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (675)
<223> n equals a,t,g, or c

<400> 1406
ggttttggat gttgctgccg gcatgattaa accaggtgta actactgaag aaatagatca 60
cgctgtacac ttagcatgta ttgcaagaaa ttgctaccct tctcccctga attattataa 120
tttcccaaag tcttgttgta cctcagtgaa tgaagtcatt tgccatggaa taccagacag 180
aaggcccttа caagaaggtg acattgttaa tgtggatatc actctttatc gcaatggtta 240
tcatggggac ctgaatgaga catttttgk tggagaagtg gatgatggag cacggaaact 300
tgttcagacc acatatgagt gcctgatgca agccattgat gcagtgaagc ctggtgttcg 360
gtacagagaa ttgggaaaca ttatccagaa gcatgcccaa gcaaatgggt tttyagttgt 420
tcgaagctat tgtgggcatg ggaatccaca agctttttca tacagctccc aatgtacccc 480
actatgctta aaaataaagc agttgggagt gatggaagtc gggccatgta tttacaattg 540
gagccaatgg tttgtggaag gcggatggca ggatggaaac ctgggccaga tggttgggac 600
tgcggtggac aagagacggg aaagcggtct gcttcaattt tgagccacca acccttcctg 660

gttcaacagg acaantggtt gtggaaaatc cttaaccccg gcggcttt 708

<210> 1407
<211> 838
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (753)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (810)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (813)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (831)
<223> n equals a,t,g, or c

<400> 1407
acccacgcgt ccgctcatac caccaatcct gagcaaaccc ttcctggaac taatttgaca 60
ggatttcttt caccggttga caatcatatg aggaatctaa caagccaaga cctamtgtat 120
gaccttgaca taaatatatt tgatgagata aacttaatgt cattggccac agaagacaac 180
tttgatccaa tcgatgtttc tcagcttttt gatgaaccag attctgattc tggcctttct 240
ttagattcaa gtcacaataa tacctctgtc atcaagtcta attcctctca ctctgtgtgt 300
gatgaaggtg ctataggtta ttgcactgac catgaatcta gttcccatca tgacttagaa 360
ggtgctgtag gtggctacta cccagaaccc agtaagcttt gtcacttgga tcaaagtgat 420
tctgatttcc atggagatct tacatttcaa cacgtatttc ataaccacac ttaccactta 480
cagccaactg caccagaatc tacttctgaa ccttttccgt ggcctgggaa gtcacagaag 540
ataaggagta gataccttga agacacagat agaaacttga gccgtgatga acagcgtgct 600
aaagctttgc atatcccttt ttctgtagat gaaattgtcg gcatgcctgt tgattctttc 660
aatagcatgt taagtagata ttatctgaca gacctacaag tctcacttat ccgtgacatc 720
agacgaagag ggaaaaataa agttgctgcg canaactgtc gtaaacscma attggacata 780
attttgaatt tagaagatga tggtatggtn acntggccag ccaagaaggg naaccctt 838

<210> 1408
<211> 932
<212> DNA
<213> Homo sapiens

<400> 1408
gaagaatctt actgaaaatc aagaagctct tgcaaaagaa atgcgagcag atgcagatgc 60
ctatagacga aaagtggatc ttgaagaaca catgtttcat aagctgatag aagcaggtga 120

BNSDOCID: <WO___0122920A2_I_>

aacccagagc cagaaaactc agaaggtgat taaagaaaat ttggcaaagg ctgaacaagc 180
atgcctaaat accgactggc agattcagtc tttacataaa caaaaatgtg atgatctaca 240
acgaaacaaa tgttaccagg aagtagccaa actccttagg gaaaacagaa ggaaagaaat 300
agagataata aatgcaatgg tggaggagga agccaagaag tggaaggaag ctgaaggaaa 360
agagttccgt ttgagatcag caaagaaagc ttctgctctt tcagatgcgt ctagaaagtg 420
gtttttaaag caagagataa atgcggctgt agaacatgct gaaaatccat gtcataaaga 480
agaacccagg ttccaaaatg aacaggactc aagctgtttg cctagaacct cacaattaaa 540
tgactcttct gaaatggatc cctcaacaca gatttcttta aatagaagag cagtagaatg 600
ggacaccacg ggacagaatc ttattaagaa agtgagaaat cttcgccaga gactcactgc 660
ccgggctcgt cacagatgtc aaacccctca tcttttggct gcatagaatg catgtcacct 720
tgagacggtc gagagagaga cctattttgc aatcagtgac attgattttt agattattta 780
tttaaaattc ctataaagat cagccctttg tacagaaaaa tgtgtctata aaaattatgt 840
gttatttaat tctgatactt tttggcttgt aaatggcttc ttgaactttt tacaataaaa 900
atgttttaga aactgttaaa aaaaaaaaaa aa 932

<210> 1409
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (671)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (749)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (751)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (760)
<223> n equals a,t,g, or c

<400> 1409
caaaatcagt gctgtgcccg gcgtcaggcg tggagacaac agaaagttgt gcttaaagct 60
cgaatcagaa atccccggcg agtgtctctg tgtcctccct gcttctctgc tctgtgccat 120
ccttactttg caccattcct attgcaatta cctcaaccag ttcgctgccc tcggtctctc 180
accagccaga gtgatcattt aaaatgccaa tcagttcctg tgggccttgg gaatmatyca 240
gaggagcccc attggctgag agataaaatt ctgtttttac ctgggcacgc gggctctcca 300
ggatttgatt ccagcttacc tttccagtct tgattcccta tattccagta tttggaaatg 360
tgggccttgg actgaggctt taccaaataa cgctgarcac ctagtattgc cttttgcacg 420
aatggtactg atggtgccca agataactgc ctccamcccc aagttcagga cccagatcac 480
tctctggaga aggcctcagc ctcttgcctk ggctttcaag gctctgcgtg atttggatac 540
tcgcttagct cttatttata tatattttaa aagcatcagc agtttatctc atgcccacta 600

aactatcctg cctccgtacc ctttgttcat actttctgct ctgtgtggaa tgcccttctt 660
tcttcccctg ntctttctct tagacccaag ggttctcaag ccttatttct gcctctccca 720
tctcaaaaaa taaaataaat aaataaacnt nataaaaaan tcaaa 765

<210> 1410
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<400> 1410
agtgagctga gatcatgccg ttgcactgca gcctgggnga cgagcgaaac tctgtctcaa 60
aaaaccaaaa aaacaaaaaa gcaaaaaaac cccacaatcc agtgagtaag acctcagccg 120
gcctgaggtt cacagggttt aaatggaatg cagtgggaag taaagagtga tcccaaggag 180
aagtaaaaat cttgacacct tactctcttc ggcttgtccc acttttcttc aactgccccg 240
ctactggaac attttctctt tctcaatttc gattgtcccc ttaagcaatt tactaattag 300
acattaaaac ttcctattct ctcaatccca aagcaaaact gatgagcaga gcaaaccaga 360
gcagttgggg ccagaacaga acaaagacgt acctgatgca gggaattgaa gccagaccca 420
aaacggggca acccaatagg atgggccatc tgcccccatt aatgccagct tgtccaagtg 480
taattattaa cagtgccccc tttcactctc caaagagtcc tgtccagaca gt 532

<210> 1411
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<400> 1411

nattatccct cactaaaggg aacaaaagcn ggngctccac cgcggtggcg gccgctctag 60
aactagtgga tccccccgggc tgcaggaatt cggcacgagc aagtaattta tatttctatc 120
tgttgtgtat ataatcgtct ctttagagtt ccagacagct gctagtgtcc aaatatgttt 180
ttctaaagaa atattttgtt tgtgagtacc aacagtctta gtaactctct tatccctctt 240
atgtgctgag tacagtcgga ggaagaggaa ttggagttgg tgagtgtggg tttctgcttg 300
aaggaagttg aaaaagatgt agaaagtact aattctctta cgtgttgtta tctaaccaat 360
gtnccctttg ttacacaaat ttttttaaac actattcaaa cactttgaat aaagcaatct 420
actggtacta cagactctag ttttcctatt tataattgta tgtgttgacc cattttattt 480
gttggaggga acattggaat agagccttta aaaacagtag ctgtccatga gcataggata 540
cttgttaatt tt 552

<210> 1412
<211> 1100
<212> DNA
<213> Homo sapiens

<400> 1412
ggctaaattc tactcttgaa gggtcgtagt ccacagcacc aaaatgactt aagtcctata 60
aaaaaaaaaa aaaaaagtta attctctgca ctgaagaaag tccatacctg gctcattttg 120
ggcaattctt tctcagtttt atctttttct ttggctaaat ccttaatcat ctgcttcagc 180
tgtttctgat aatcaactgc atcaccttga aacaaaggaa aacaatatgt ggtttaattt 240
aaataaattc agtgacagca aaaaggaaac tatgtaggag agaggagcaa gggggtgagg 300
aattccacta agcaaattcc atacaaaact ggaaagcaag agattcccct ggagagccag 360
tgggtggtaa ctgggggact tctgctctaa gaggacccgt gaaacagcaa acaggaggaa 420
ggaacttggt ggtgggggca aggggcagcc acccagcaac acccccacta ggagcacttc 480
tgtcctctaa aggcagtgag tttggggata attcattgga cgaagggaaa agacaaggct 540
gctacaagaa gagggatgag ggcaaccctg gtgcctcccg ccactgcagt ggtatgcagg 600
ggaaagcaac aatgaaaaga ggtacgtgcc attgggtttc ccgaaaacca ggggtctcga 660
tgttgacaac agaggattcc tcaacggcga ctggctgtct cggtcatttt cagtgagtgc 720
ttaaaaaaag atgagaggtt taaattaaac aaattttctg ccttaccaaa actgacagta 780
atgtagcttt ctaggcaact aaaggctaag ccagcagctc ccagcctgtg gactgtagtt 840
tttgcagggt ccacgaaccc aaatgcacac caagcactgt ctggataccc agagaaaata 900
aaatgtcccc cacaccaagt gtgccttttc ccagaggtat gtggagactg ttgtaattaa 960
caacatacac attcatagaa ggacactgct aatactgatt tggaaaaaat gtatgtagtg 1020
aaatcccatt ttgtaaaact gaaatatatc catgcacaca taaagtactc tagaaataaa 1080
tacactaaat ctcaaaaaaa 1100

<210> 1413
<211> 563
<212> DNA
<213> Homo sapiens

<400> 1413
tttacatgtt cctccagtgt tgagaaaaac ctaatgccyt tttttgtgtt aagtttacct 60
attaatttta atttttgtag agatagaact tagatgacgg atttaacctt gaagtaggtt 120
tgtattttta aatctatttg ctttgattac cacagacagt gattgaggta gatgggcact 180
atctggctgc ttatatgaag gttttgaaac cattctgtta atccttttaa caaatggtta 240
tctgtccttt tctatcttat aataaaagat tgaagatatg acttagtatg ctcattgtac 300
tgtttgctta gagatgggag gctattttra tttttcatgc tgttctaaat catgaaagaa 360
taggtaactt tgtactcatt tcttaattta aatttaagaa gcacttgtag atttttttgta 420
ttggtatttc agatccctat tgagtttttt aactgaagtc ggagcaaatg aattgagcat 480

tctgagtact tggctaatca agtgatgaag aggtagtaat atgaattctg ggacctaggc 540
atagatgacc tgattctgtt ctc 563

<210> 1414
<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<400> 1414
ntnantaagg gaacaaaagc tggggctcca ccgcggtgac gaccgctcta gaactagtgg 60
atccccggg ctgcaggaat tcggcacgag catataaatt atcttaatga tctaggtatt 120
ttgttagggg aatacataca gtcaggatag gataagaggg gaagtaatga gtggtttact 180
aaatatataa gacaaacatt tcaagtaaaa atttcaggag aaaatttttt tttaggtttc 240
taagaaatat atttgtggat gtggaatttt tctgycagat gacgtaagag caaagttgaa 300
gatagctaat acytggggat tcatakggag gtaatttttt atttaaaatg agcaagaagg 360
accctagcct tttattgtgg tcttggaaac tcattcccca ccagtatcat tccttgaaga 420
aatggttggt tctaggtctg gggcaggaaa tatatgrgat aagctgaaac atcttgacta 480
tcagcaaaga ttttatcaaa cgatgctagg gttgtgtcag aaggactcag cagccaactg 540
aagacgttcc cactggccaa aatagggcac attgagtatc tgt 583

<210> 1415
<211> 418
<212> DNA
<213> Homo sapiens

<400> 1415
ggtactctgt taaaattcct gtgtaaactg ggacttttct tttcactttc ytgtgtttca 60
agaacagtag gtgttccagg gcttttgtcc tgctgggtac aagcaagtag gattttgaga 120
aggtgtgagg aggaggtcag aaaaattggt ggaaatagga aagagaaaga aatatggccc 180
cgattttggg gagagaaagt ctggggaaag agcaaaggca attaaagagg attttgagga 240
agagacttct gtaaaatatg tcttagcaac acttttgga gttgaaaata tttcttttta 300
gtgtgttatt ttttctaaga ggtgcctcaa gatggataat ggaagatttg gagtacgatt 360
gggttgacaa tccaaggaga ttcggtgaca tccagattac cctgaaaaaa aaaaaaaa 418

<210> 1416
<211> 513

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<400> 1416
gcttacataa cctacattta tttcatagct tagtgattac attacacagt cagtcagaat 60
ccttgattct gctatttact agctaagtgg ccacaaataa gttatttaaa tcctctaagc 120
ctgcttctgt agttgtaaaa tgagagttat agcagcacct accacctaag attttgaggt 180
ttgaatgaga aaatgcatgt aaagctttgg gcattgtgca tgatgtaaac actcaaatgt 240
tactgaagtc aataaatgtt aactattttt tagcacactt cagtgggctt atatcaccag 300
tcaaaatgat acacagtatt ttatttaatg gctttatgta aattatattt tactagctat 360
taataaatta actcttggaa cttttgccat ggtttaattt gaaaaattga aaataaatgg 420
aaaaatcata aaaantccat ctattttggg atttacacat aataaccact atntggttcc 480
aaagtttaaa aatactancc atggctgggc cgt 513

<210> 1417
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<400> 1417
cctcactaag ggaacaaagc tggngctcca ccgcggtggc gnccgctcta gaactagtgg 60
atcccccggg ctgcaggaat tcggcacgag gccctccctg cgtttagatt cagttgcacc 120
ttttattatt ttaactcttc tccttaggac acgcagcccc caatttktcc ctccggcctg 180
ggcggccccc ggtcccgcgc gccacatggg agagcgaggg acctgcccgc ggcccgccgg 240
cgtgtgcaag gaggtccagc cgccgcgccc gctacccgga gtctgaggac gggtgtccag 300
ggacggagag gcaggtgaga gggaggtggc taagctggst atggtgacag gacgatgttg 360

gccagaaaga gtatcatccc ggaggagtat gtgctggcgc gcatcgccgc agagaacctg 420
cgcaagcgcg catccgagac cg 442

<210> 1418
<211> 929
<212> DNA
<213> Homo sapiens

<400> 1418
ggctgatagc tgtgtgtgtt agcttgtata tatattttta aaaatctacc tgttcctgac 60
ttaaaacaaa aggaaagaaa ctacctttt ataatgcaca actgttgatg gtaggctgta 120
tagtttttag tctgtgtagt taatttaatt tgcagtttgt gcggcagatt gctctgccaa 180
gatacttgaa cactgtgttt tattgtggta attatgtttt gtgattcaaa cttctgtgta 240
ctgggtgatg cacccattgt gattgtggaa gatagaattc aatttgaact caggttgttt 300
atgaggggaa aaaaacagtt gcatagagta tagctctgta gtggaatatg tcttctgtat 360
aactaggctg ttaacctatg attgtaaagt agctgtaaga atttcccagt gaaataaaaa 420
aaaattttaa gtgttctcgg ggatgcatag attcatcatt ttctccacct taaaaatgcg 480
ggcatttaag tctgtccatt atctatatag tcctgtcttg tctattgtat atataatcta 540
tatgattaaa gaaaatatgc ataatcagac aagcttgaat attgtttttg caccagacga 600
acagtgagga aattcggagc tatacatatg tgcagaaggt tactacctag ggtttatgct 660
taatttaat cggaggaaat gaatgctgat tgtaacggag ttaattttat tgataataaa 720
ttatacacta tgaaaccgcc attgggctac tgtagatttg tatccttgat gaatctgggg 780
tttccatcag actgaactta cactgtatat tttgcaatag ttacctcaag gcctactgac 840
caaattgttg tgttgagatg atatttaact ttttgccaaa taaaatatat tgattctttt 900
ctaaaaaaaa aaaaaaaaaa aataacgtt 929

<210> 1419
<211> 244
<212> DNA
<213> Homo sapiens

<400> 1419
cgcacaaact ctttgaaccc gctgtaaaag atttgttaat tcgcttgccc caaaattatc 60
gcactggcga cgtgattttm atcactatgc agagtctggc tgggtggaat tccgcactgc 120
caccettgtt gcggaagaat tgcaccagct cggctattca ctggcgctgg gtcgcgaata 180
gttaatgaaa gtagccggat gggattacct gatgaattca ctytacaacg sgaattcgag 240
cgcg 244

<210> 1420
<211> 172
<212> DNA
<213> Homo sapiens

<400> 1420
cagcaattcg gcagggacgg gtcgccggct gcttacgtgg gcgggcctag tgtggggctg 60
agggtgcggg tcgctatggc ggtggacatc acgctgctat tccgggccag cgtcaagacc 120
gtgaagacrc ggaacaagcg ctgggagtgg cggtgggcga cggggtcgat gg 172

<210> 1421
<211> 2293
<212> DNA

<213> Homo sapiens

<400> 1421
ttttttttt ttttttttt ttttttttt tttwactttt taaacaatcc attttaatca 60
tctaaattat ttacaataca ataacatgga ttcatccttt ttaagacatg ggattgtaaa 120
aatcaacaag tgaatgatgc ttcaaataat acatttaaat acattaatca aatttttca 180
gtgcttaaaa ctttttctcc atgggacagc aggctctgga caaaagtgcc tagcatacaa 240
gttttcccaa tttccttcta tcataccagc tgcacataaa aaggttcatc acctcctgtc 300
tccaaagtgt ctccctactg agtgttccca ggcagacaat agttcctggg atagtgctgt 360
ttggtaacag aaaagcccaa gcgtagagga cggattaaaa ggcagggacc agaccrccat 420
ggatacaaat cccaagacag aggatgcccc atgccttccc catgaagctt atctgtctgc 480
ctgtgtctcc atgattgcag gcatagagct acttgggacc tccaggatga tttacttagc 540
gatatgcttt ttacattcta agaatcaaaa tggtcctgta attcccaata gagaaaatag 600
agccaattca ttgttctccc ctctcccctc tgaagccagt ttttaaagat gagccttacc 660
cagaaaataa gccccaaaga actctcatct aaatgatcag acccttccta aattaccttt 720
ggcaacctag gtaattcttt tttattacac acctccaacc tgacccttte tacagtttca 780
actataaatg ttcatgcccc tcrtcaaata acgttgctag gatgaatttg ccacaggttt 840
gagtacagag agaacaagca agaaaaatgt cagtgtttat tttaaggaga gtggccagga 900
tgtcagtcct cataattggt cccttctctc tctctatcct ccaaggtaag ttctttgttg 960
acttgataag ctttagtcct tctgtacaac ttctagaaga tgcacttaat ggtgcttctt 1020
tgcacttcca gaactcacct tctattctac ctgtaaggct gtaggggagc atcccaatca 1080
acataaggcc taccccttta gccacgaaaa tcagccaggc atcatgtttc tgcaccacca 1140
cctgccttcc tgacggacac tggtgctgat gacaaaaatg ggacagtacc gcagctggtt 1200
tctctttttc gagtgtgtag ataagaaata aaaaacattt tcattccctc acaagcttaa 1260
tctagtaata taactgccta aaaaaaatca aaccataaat aaacctatgt gctaaacaaa 1320
tcacatgact tgatgacttc tctaaaatta atgtcaagga aaaaaggaaa agttgatccc 1380
aagtaaaatc ccttgaccac agctgtctga aattagccag gggaatggga gacaccacca 1440
agaacctcag ctctttcctg ccctgtattt caaggggagt gttgtggcct tcacaaatga 1500
aaattatgaa tcacaaagat aaacgtcctc acttctaacc tggtgaatcc tcaggaatgt 1560
catgaggatg acaacacagg gttaattcat tttttctcag tctccccccc gactccacaa 1620
aagctttgcc ttcccaacac aaggggctgg gaggtccagt ctagacagag catgctgttg 1680
gggtaaacag taaccatgtg atcccatgat tcccagagct ctgagcacaa agcttttcat 1740
cccagtggca actggaatgt gggtaattct gtaaactcat ggccacacct ttaatgcttg 1800
gggacagtgg gtggagtcag ccagagctct tttccaactt catctagggt cttctctctg 1860
gaaaagctta gtgacgttct ccgaaggttt atttggttaa ggagtattgc taaaacactt 1920
tttaaaaatc cactttgaac acatgtgtaa gctgaaaaga aaatgacata tatacctcca 1980
ttgaagctgg gaaagtgaaa aggctgacga aatgtctgaa atcctgagcc tttcctggtt 2040
ctattttaat acagcgtaca ggtaacagat gatctcattt accttctgaa tgacccagca 2100
ctcaatttcc ctaaaactgc tcagctccac ttggaaatca ccaggggact tgagaatctt 2160
ccccttagac tcagggagac acccagacca ggaagaaggg cactgatgtt ttcagggacc 2220
caaaagccca ctttttttt ttttttttt tttggaattc gatatcaagc ttatcgatac 2280
cgtcgacctc gag 2293

<210> 1422
<211> 1660
<212> DNA
<213> Homo sapiens

<400> 1422
ggccgcggat ggggctggga ggggacggtc ctgccgggag aggcggagga ggacagggtg 60
gggttgcggg cccggcgccg cccctcccgg ctcctggctc ccctcgcctg gtgccccgcg 120

cctggccggg aggcggcggg tctcgatcgc gcgggcctcc ctggaggggc gcgggctctg 180
gcggcgggga ggcccctgct cagcgcaatg gcgggcttgc atccttgggt gatttttcg 240
ggccccttgt ggcctttgct cacgcctaga gagcaaacca cccgcaccac ccaggagcag 300
ataaaatcga gaccacagcc tscaagggag cgcgcctcca tcctgtttgc ccctcgggtc 360
gccgtctgag ggcgggcccg tgcccgctca gagcctacat ccgagtcgta taaagcgctg 420
acagcagaga aagctgcggc tttgctccgt gcagatgagc aggggctgag ggaggacgct 480
gtgctctcag tagccgcgct tggcccgggg accctgcagg cttagaaacg tgagtcacgc 540
ctgcagcgtg gcgaggaaac gccgttgatg tggcatcctc agcctggggt tgtggcttta 600
agccagaagg tcaaaaaaag aagtcttcct gagctgagac tgccctgagt cgctttaggg 660
gcgaaattcc gagcatccgg ttgcatttcc tgaggatgac acgcgtggtg ggtgtggacg 720
gcctacaggg gtccatcctc agcggccccc ctgcagggca gagtctcgct ctcactctcc 780
cagctgactc ctctcaagcc tgttaaccat tgtacacgtt cccaaggact ccaagcaggt 840
tggacttcag ggaacattgc agtttgggtc ttggccattg tttacactcc accttgcata 900
rgtgcttgag gatcacacaa ccagatacgt agatcatccg tagatcatcg cagtcacatc 960
gaagatttgt ttataatagg aaaaaaaaaa agctrcccac tgtcatgcgc tgggaaactr 1020
gtgagctgaa ggatgaccca tctgtaaatg gggtgctccc taatggacag ggcacccttc 1080
agaagcctgt gctgtgtctc cttgacccca ctgtgagctc cccgtcccgc acgctgatct 1140
aaatcaagct gctagcccat ggagaggcgt ccgcacggca gccccggccc tgagatgcgg 1200
ggcagtcacc cattcaatta ggaaacacca gcaagtgcca gaagcttctc attagcaggt 1260
cagctttcaa taactggttt atccaggtgt gtgagacccg ataagcagaa gggaaagctc 1320
ttagcgacct atccagctgc tctgcactgg gctcctgaca tcccagaaat cagtacatct 1380
gtcttctggg gtccaagagg tatttcagtt tctctggctt tgtttcccgt catttgtacc 1440
tggccctgca gactacccca gtatttccat cataataccc ctgtgggcag gtgcatacct 1500
catgacaata tttaatatta atagatttct gtgttgtctc cagaatggaa aggggctgtc 1560
tattccttga gctagttggc ttgctaaaga ctattgactt cattcttctt ttcctatcta 1620
cctaataaac cagtgttcat acaaaaaaaa aaaaaaaaaa 1660

<210> 1423
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<400> 1423
ggcagagttg acacccagca gtaagctaac agtggacaca gatactctga ctccttckag 60
caccctttgt gaaaacagtg tctcagaact actgacacca gccaaagcgg agtgnagcng 120
acatcctaac tctgacttct ttggrcagga gggagaaacc cagtttggat tccccaatgc 180
agcaggaaac catggttctc agaaagaaag aaatcttatc actgtgactg gcagctcatt 240
tttggtatga agcaactcta ttcattcctt gccatgtggc taacttttat tacagtcaat 300
tttgaggata 310

<210> 1424

<211> 3106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3075)
<223> n equals a,t,g, or c

<400> 1424
gctccaccgc ggtngcggcc gctctagaac tagtggatcc cccgggctgc aggaattcgg 60
cacgagactg gcgncaacaa caccaaggcc tttgaggtcc cagcgngggc caatttcctc 120
aattccaatg atgtctttgt cctcaagacc cagtcttgct gctatctatg gtgtgggaag 180
ggttgtagcg gggacgagcg ggagatggcc aagatggttg ctgacaccat ctcccggacg 240
gagaagcaag tggtggtgga agggcaggag ccagccaact tctggatggc cctgggtggg 300
aaggcccccc atgccaacac caagagacta caggaagaaa acctggtcat caccccccgg 360
ctctttgagt gttccaacaa gactgggcgc ttcctggcca cagagatccc tgacttcaat 420
caggatgact tggaagagga tgatgtgttc ctactagatg tctgggacca ggtcttcttc 480
tggattggga aacatgccaa cgaggaggag aagaaggccg cagcaaccac tgcacaggaa 540
tacctcaaga cccatcccag cgggcgtgac cctgagaccc ccatcattgt ggtgaagcag 600
ggacacgagc cccccacctt cacaggctgg ttcctggctt gggatccctt caagtggagt 660
aacaccaaat cctatgagga cctgaaggcg gagcttggca actctaggga ctggagccag 720
atcactgctg aggtcacaag ccccaaagtg gacgtgttca atgctaacag caacctcagt 780
tctgggcctc tgcccatctt ccccctggag cagctagtga acaagcctgt agaggagctc 840
cccgagggtg tggaccccag caggaaggag gaacacctgt ccattgaaga tttcactcag 900
gcctttggga tgactccagc tgccttctct gctctgcctc gatggaagca acaaaacctc 960
aagaaagaaa aaggactatt ttgagaagag tagctgtggt tgtaaagcag taccctaccc 1020
tgattgtagg gtctcatttt ctcaccgata ttagtcctac accaattgaa gtgaaatttt 1080
gcagatgtgc ctatgagcac aaacttctgt ggcaaatgcc agttttgttt aataatgtac 1140
ctattccttc agaaagatga taccccaaaa ggagcctatg gtcctcattt caacttctaa 1200
ggtcgctaga ttgtttctat cctgaggtat tgcatcaatt ttaatactcc tatagttttc 1260
tcttcttaga agagcacaaa cactccatgg aacattagag ttctgaggca ctaccctagc 1320
ttgtcctcta tcatgactca tttttatcta tggcaggtag gctgaagcac tttgcaggtt 1380
tacatcttcc ccagagtaac agcttttcct tttcacatat actttcctta ctgccttact 1440
cagtgggtaa gttaaagggc tgaaggagag ttgaatggtc cacaagacta ccctcttaag 1500
aggtttcaca aattccaaac agtaccagtg agagcagcac ttccactggg gctaggcttg 1560

agacctaaag gcaagtatga aatgcatatg ctacttcact ccctctccca acccttaata 1620
atgaggcaaa gcaagagcct agtgaaggcc aatgctaggt ttacaaactt acccagaagc 1680
ctctgcaaag cttcacaggc tcctcagatg aaaataacag gaatcaatgg ggactacggc 1740
cagacactgg tttgccattc tgttcctttt aagaagtaac agtgctgcaa ggaagtccat 1800
gtcagaaagc caacagaagg tgatttccac aactttgaac aggttgttac aagtatcagc 1860
aagaatgtgt ccttttcaga aataacagtc aaatcaaaga aggttaataa aggctttaat 1920
ttcatacaca caaaaaaact ctatgcataa tttaaaaagg aaacaaaaac aaagaaaaac 1980
cgtaaaggat acagaggaac agttctgcta aaacacagat aaaagtgccg ctccatacaa 2040
aacataaaga atcagaatca aaagtcactc tgaacataaa gaaaaaaaat catctcacaa 2100
ataatgtggc cacagctgcc agaaaacctg gtagtggctc aattaggcaa agtgtaggaa 2160
tctcattttt gtttttctct ccttaagttt aaagaaacaa caatgacaat aggccagaga 2220
agttagggag ggaaagaaaa gctcaaaggg agggaaacct ggggacaaga ggtgtgcaca 2280
cccacatgtg gtctcactct tcacacaggc ccactatttt tgaagtagac cagtttagtt 2340
gactgttctt ctttgttctg gcatctgact ggaccaacct ggaacctggt ccagaccctc 2400
acccactcta ttcttatgcc aatggacata cctatacttt gaacctctgt acttttaaga 2460
aaagtccaat gttacaaaat caaatgctta tattcagact ggcacacttt ttaaataaaa 2520
actccataca cctcagacat atagcacaca tggagacaac ttactaattg tgtgtaagta 2580
tgatacaatg aatgagactg cctgaagtct agtaatcaaa gcatgccata aggtgaatga 2640
ttgtggttaa acacagcaaa ataattgtca caaaactttc aaggcctaac aaattagaat 2700
tttccaataa aaaatatata ttttttcaga tgttaataag acatatcagt agagacaaaa 2760
ttaggatttt gaagtaatgc aataaaaaga tgttggaggg cagaagtcta tttagttttt 2820
gtatacactt gcaagagtgc attactcagt ataaagcaaa atggggagga aaaagacatc 2880
catccatttt attggaacac ttttatgtga cttgaatctg gtgttaggtt gttgattttt 2940
ctaaaaatct cctatatata caaaatccat atgtacttgg agatccagct gttgcccccc 3000
gtttaaaaca aaagaccacc tcgggggggtc aattaaatta aaaaggccct ccaaccaccc 3060
taaatgggat aactnagagt atctactgca gtcatttcag aggaca 3106

<210> 1425
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 1425
gtcgtctacc gtctcgctat agccgtttaa gggaagaagg aggaaaataa cccggtatcg 60
ttagaggttg gtgtgtgggt gggaactggg gacccagggg tggtgatgat gaagaccaga 120
gcggggttcg ggggccgmct ccgcctcttt cgttctctgc tttcccctcc cccctcgcgc 180
tctctccctc ctccccccca tytcagtgcc gggaaagccg cctgtgctgc gcctggtggg 240
gaaatggtgg acgctcatga actgtgtatg tggtttttgt annatctgtc tgtcttgggc 300
ccggttttcg gggggacccc taaagggtga cctaaagggg aaaaacggtt tt 352

<210> 1426

<211> 1967
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1956)
<223> n equals a,t,g, or c

<400> 1426
gttgcaggcc atcccagcca agaaggcccc gctgcagctc ttgagccgcc tctgcgggga 60
ccacttgcag gccatcccag ccaagaaggc cccggctggg caggaggagc ctgggacgcc 120
gccctcctcg ccgctgagtg ccgagcagtt ggaccggatc cagaggaaca aggccgcggc 180
cctgctcaga ctcgcggccc gcaacgtgcc cgtgggcttt ggagagagct ggaagaagca 240
cctcagcggg gagttcggga aaccgtattt tatcaagcta atgggatttg ttgcagaaga 300
aagaaagcat tacactgttt atccaccccc acaccaagtc ttcacctgga cccagatgtg 360
tgacataaaa gatgtgaagg ttgtcatcct gggacaggat ccatatcatg gacctaatca 420
agctcacggg ctctgcttta gtgttcaaag gcctgttccg cctccgccca gtttggagaa 480
catttataaa gagttgtcta cagacataga ggattttgtt catcctggcc atggagattt 540
atctgggtgg gccaagcaag gtgttctcct tctcaacgct gtcctcacgg ttcgtgccca 600
tcaagccaac tctcataagg agcgaggctg ggagcagttc actgatgcag ttgtgtcctg 660
gctaaatcag aactcgaatg gccttgtttt cttgctctgg ggctcttatg ctcagaagaa 720
gggcagtgcc attgatagga agcggcacca tgtactacag acggctcatc cctccccttt 780
gtcagtgtat agagggttct ttggatgtag acacttttca aagaccaatg agctgctgca 840
gaagtctggc aagaagccca ttgactggaa ggagctgtga tcatcagctg aggggtggcc 900
tttgagaagc tgctgttaac gtatttgcca gttacgaagt tccactgaaa attttcctat 960
taattcttaa gtactctgca taaggggggaa aagcttccag aaagcagcca tgaaccaggc 1020
tgtccaggaa tggcagctgt atccaaccac aaacaacaaa ggctaccctt tgaccaaatg 1080
tctttctctg caacatggct tcggcctaaa atatgcagaa gacagatgag gtcaaatact 1140
cagttggctc tctttatctc ccttgccttt atggtgaaac aggggagatg tgcacctttc 1200
aggcacagcc ctagtttggc gcctgctgct ccttggtttt gcctggttag actttcagtg 1260
acagatgttg gggtgttttt gcttagaaag gtccccttgt ctcagccttg cagggcaggc 1320
atgccagtct ctgccagttc cactgccccc ttgatctttg aaggagtcct caggcccctc 1380
gcagcataag gatgttttgc aactttccag aatctggccc agaaattagg gctcaatttc 1440
ctgattgtag tagaggttaa gattgctgtg agctttatca gataagagac cgagagaagt 1500
aagctgggtc ttgttattcc ttgggtgttg gtggaataag cagtggaatt tgaacaagga 1560
agaggagaaa agggaatttt gtctttatgg ggtggggtga ttttctccta gggttatgtc 1620
cagttggggt ttttaaggca gcacagactg ccaagtactg tttttttaa ccgactgaaa 1680
tcactttggg atatttttc ctgcaacact ggaaagtttt agttttttaa gaagtactca 1740
tgcagatata tatatatata ttttttcccag tccttttttt aagagacggt ctttattggg 1800
tctgcacctc catccttgat cttgttagca atgctgtttt tgctgttagt cgggttagag 1860
ttggctctac gcgaggtttg ttaataaaag tttgttaaaa gttaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaancccc ggggggg 1967

<210> 1427
<211> 879
<212> DNA
<213> Homo sapiens

<400> 1427
attccccacc cgagcacctc cacacccgtt ccctcctcca tataatcttc tagagatctt 60

aaccagtttc tatcccttac ctgcttttct cttctcttct cctgctccgt tcctcatcca 120
cccctcccca tctggaccat aatagacacc aaaacaaacc caaattggta aaaagaataa 180
tcaaaaagaa gacattatcc ggttaagagt ctgtgctggt tgccacccaa gagagaacag 240
ttgtccagga tgctggctgg tggaacaacc tgctggcccg aaacaaggct gccaggtgtg 300
gatacctgag aaggactact tggtatcaaa tacttttgag atggctacag tcagctagct 360
ggacagccca tgctgactgg ggacatacac ttgcatcttt gttgaaagca gaagaagaca 420
gacccttcc ccaccttcct tacctcctct tcccccatta aggcagctca tccaagcttg 480
tatttaactg aataaatgag tagacattgt ggacctcaca agattattta attcttaaga 540
tgtgtagacc ttgatggtag gtgtgacatg ttagtttttc ttacttgcat ttatttaaga 600
cactgttaca gagatactgt tgtcaccttc tggggcacgg tctttgggga gaggggagtg 660
catttagact tatgtggaac tgtacaaatt gtgatgtggc tacatagaaa gccatgtgct 720
aagaataaac tccatttaaa aaacattaaa aatctaagat tcatgtgttt tctaagcttt 780
tcattaagaa aacaaaagtc ctctggattg agatacttga ccttgcatgt aaaaaccttg 840
tagatagctt gagctggatt cacttggatt ctgacggct 879

<210> 1428
<211> 521
<212> DNA
<213> Homo sapiens

<400> 1428
ctgcgtccat ggccaccgct gcgactgagg agcccttccc ttttcacggt ctcctgccga 60
agaaggagac cggagccgcc tccttcctct gccgctaccc ggagtatgat gggcgggggg 120
tgctcatcgc agtcctggac acgggggtcg acccgggggc tccgggcatg caggttacaa 180
ctgatggaaa accaaaaatc gttgatatca ttgatacaac aggaagtggc gatgtgaata 240
ctgctacaga agtagagcca aaggatggtg agattgttgg cctttcagga agagtgctta 300
agattcctgc aagctggaca aatccctcag gcaaatatca tattggcata aaaaatggct 360
atgacttcta tcctaaggca ctcaaggaaa ggwtacagaa agaacggaag gaaaaaatct 420
gggaccctgt tcacagartg gcccttgcag aagcctgtag aawacaggaa gratttgatg 480
ttgccaacaa cggctcttct caagcaaata aactaatcaa g 521

<210> 1429
<211> 306
<212> DNA
<213> Homo sapiens

<400> 1429
aagtcactgg gcttagctgg cctctgagcc tgtatgaact cttgttgctg aggcaaccat 60
ggacctgttg ctaggagata gctggggaag cccaaggccg cccagggcag agagaggaga 120
cgaagagttt gggacagtgg gggaggagat gggaagggat gggatttctg ggtcccagag 180
cgggtgggat actcacgcac agcttcttca ctggtggggg gtggggcaca cattatttct 240
cactggtcat gatttacaag aagaaaaata aaactgcttt tggaaccaaa aaaaaaaaaa 300
aaaaaa 306

<210> 1430
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (470)
<223> n equals a,t,g, or c

<400> 1430
aacccaagac aatgagctag ttttccctaa agtttgctga actattaagg aatatgttct 60
tatagctttt gactagaatg agtcatggga attctaaraa gggatggcct agacattttt 120
agctcagtta aattcagcat ttaatgcagg tgagttcctg ggtcgttttc caactagtct 180
ggaacagtct ggttctgact caaactggta taaagcatta ttttaggttt tctctttgcc 240
agtttttaag cagttataac catgtaaatc aagatgtgag gacatctata tgaagtatag 300
taaagaagtg gtgtcagcag atcaatatgt gtgtcctggg tgtgctgctc tcttaagtga 360
gactttgtga gactatactt taaatgcatt attaccattg cttacatttt gggggatttt 420
cttcctcctc aaaacttcca tttctattgt aatattctta atgacaatcn ttttttttt 480
ttagcagtgt atgtttgaaa cagccaaaga tggcgatgaa ccaagtgtaa attgatctaa 540
gcagcccatg cagtttgtgt tgaatcaaca aacagtgtat tgttgaagtg aaattatttt 600
ctgaaatgac ttgttagacc agttttgagg acatactcaa aagtagagta ataatggctc 660
ctgggatgga gaaatatgag atgaacctgg aacattctat tatggtgcca caaaggaaat 720
ctaaaaaaaa aaaaaaaaaa aaaag 745

<210> 1431
<211> 931
<212> DNA
<213> Homo sapiens

<400> 1431
cagccccaat gtccagcctc tttaacatct tctttcctat gccctctctg tggatcccta 60
ctgctggttt ctgccttctc catgctgaga acaaaatcac ctattcactg cttatgcagt 120
cggaagctcc agaagaacaa agagcccaat taccagaacc acattaagtc tccattgttt 180
tgccttggga tttgagaaga gaattagaga ggtgaggatc tggtatttcc tggactaaat 240
tcccccttggg gaagacgaag ggatgctgca gttccaaaag agaaggactc ttccagagtc 300
atctacctga gtcccaaagc tccctgtcct gaaagccaca gacaatatgg tcccaaatga 360
ctgactgcac cttctgtgcc tcagccgttc ttgacatcaa gaatcttctg ttccacatcc 420
acacagccaa tacaattagt caaaccactg ttattaacag atgtagcaac atgagaaacg 480
cttatgttac aggttacatg agagcaatca tgtaagtcta tatgacttca gaaatgttaa 540
aatagactaa cctctaacaa caaattaaaa gtgattgttt caaggtgatg caattattga 600
tgacctattt tatttttcta taatgatcat atattacctt tgtaataaaa cattataayc 660
aaaacattct gtttaccttt tcagggctgt attgattggg gtgtagactg aactatccgg 720
ggtctgtttc ttttcggtga tgaaagtctt gagaaggtag taatggataa gatgtgaggg 780
agaggagaga gggagatttg gagtgtaggg tgagtgcccc tcttcttaga actgaatact 840
cttcttctaa tgaacttgta ttcttgtttc catgtcttct tccctttcct tctatagcaa 900
ataaagcatt cactttgttt tggaaaaaaa a 931

<210> 1432
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<400> 1432
aattaaattc tttgcaaaat tgaacttctc aactaaaacg tgtccatgtc agaattttaa 60
ctgttagcag gtagtttgtg gcaaagatgg ctaaataatg aagcaaatta gaatctgcgt 120
gtatactaat gagctgcttt ttttctgttg agactatcat tatttgtctt attacccaag 180
aggcaattac ctgaatttgg atgtctgaat tataacttat gcaggaatag ttctgtaaat 240
acatttaaat aaactgtaaa gatatttaat aaatatagta tttatactaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan naaaaaaaaa aaaaaggaac 360
caaa 364

<210> 1433
<211> 2593
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<400> 1433
ccccgggttt aatgccattn aaaatttatg tttgaggtta ccacaacttg ttttaaaaag 60
actttgtttt gtgaatttgt actgtatatt tgagtaactg tcaggctttt atttaaaatt 120
gtttmacatg taccatgtac atgtcattac tatatttcaa tgcatcatgc ttgtaacagn 180
gcatttcatt tataataaga atgagttatt catttgtaag ccgttcagta atttatctac 240
tattcctaaa ttggcataat gttagataat ctattttgaa tcacctttaa ttacatgtca 300
gaatgcctta actaccctaa cttgacaaaa cagaattctt tggtagacgc ggtgggggcg 360
gggtgggggg tctggacgga gtctctattt aaggagaaat catcatgcta tgcataaaac 420
acagaagcat gagtggcaag tggcggggta tttatttttgc acaaactatt tgcagtctct 480
gtgtatttaa aaagtaaaga aagttgcatc cagaagggtt ttgttagaat gaatacattt 540
atattaggac tgacaacttc agctcttttg tttaggtttt caattatttt tggtaagagt 600
atgtagcctt atgatctgga tatattttgc attcattttc caacgcctac atttaattcc 660
tggtaagagc agtgctcgtc aagtttctgg tttttctctg ctctcattta acccgtcaaa 720
cacaatcttt gtaaagctag attggtggtg ttttatacaa cttatttact cagcttacct 780
ttttgagaaa cgattgttag aaattgacga tgtgtttgtt ccagtgatac tgaaagtagt 840
gggggcaaga attgagtttc acagtggaat tggctttgga tctggcctat agattagtga 900
cataaaatat tttctctatt ttcccctgtt ctttttgtgt tatgcactta attttatgac 960
tgccgggggg gtcagctgga gtgctgctta acaagtatct ctcctactct cagtggtcag 1020
aggctgtgtt ggacccatag tagaattttc caggtcacag acccaagctt ccatgggttg 1080
ttactgtgct gtaccacttg gtgggtctga ttctgaacct gatgtgtgtg ttaattatat 1140
tttaagcaac acacacacac acacacgcct catgtaatgg acttttataa caaaagaaaa 1200
aatttggatt tctaatttac aaatggcaaa ttatttatcc ctctctggat gcaccaaaga 1260

ccagtaaagt ttatagcttt tccatctata tttataaagc aatactgtat tataaaaatc 1320
aatattttta tcacatgctt gaaatttta ttttgttgtt ttaaaatgtg cactctaaac 1380
atatcagaac cttatttctt cctatgaact taagctgcct gcgcacaaaa aaaaaaaaaa 1440
tttaccaaat ggagatgcag tagagtccat aggctctaaa aactaaaaga aatgggatgc 1500
agggggaaca agttatttgt cctgagttac tgtacttgct tgacatggtt gttgggtact 1560
aaatcacaaa agaatccatt ccaggtatgc atgtctgggg gttgggctgt gtctagatta 1620
gaaactgggt ttcaagcttt gcatgatggg agagcgtcct ctcctctatc agctgcgtgt 1680
gttctggata ggacagtagc ccggagatgg aaaccacctt cagtaccatt agcccaccat 1740
accaagtaac aagttaggca ggaatcgtgg gaatttattg agtcagcttt gagtgtttga 1800
gagaatgtaa acaagattgg ctcgaattgt aaacgtttgt actttggatg agttcatggt 1860
tctttaggtc accttaatac cagctatctt tggtagaagc tacagcattc agtttctctg 1920
gaaactgtat cacatttttg cattttaaaa attttacagt atcaaaaaac caaaatctgc 1980
ttatgaaaca aaacatgaag caggacatat ttggattcta tttatttaaa attaaattct 2040
ttgcaaaatt gaacttctca actaaaacgt gtccatgtca gaattttaac tgttagcagg 2100
tagtttgtgg caaagatggc taaataatga agcaaattag aatctgtgtg tatactaatg 2160
agctgctttt tttctgttga gactatcatt atttgtctta ttacccaaga ggcaattacc 2220
tgaatttgga tgtctgaatt ataacttatg caggaatagt tctgtaaata catttaaata 2280
aactgtaaag atatttaata aatatagtat ttatactaat ctgtgtgctt cttttggttt 2340
gaatagtaac taaatgagac accagccctt gacattgagt ttgttggtca ctatcaggtc 2400
ctcatttcca agcctcctag tcattctagc actgattata tgctgctact ttaactggct 2460
ccagctgctt cactacatca gtttagcttc ctcagaaatt catcaaaatg gacggacaat 2520
taaatgtaaa ttatagaact ttttcccagc tgaggctttg caccttccgt atagtataga 2580
gggaagctac aaa 2593

<210> 1434
<211> 1052
<212> DNA
<213> Homo sapiens

<400> 1434
ggtttttccc gggatacatc tgtgttgagt cactttgcat tcaacagtgc ctcgccacca 60
aaatcataca taagaggaaa actaggactg gaagaatatg ctgtctttta cccaccaaat 120
ggtgttatcc cttttcatgg attttcaatg tatgttgcac cactttgttt tctataccat 180
gaaccttcca aattgtatca gatattccgt gagatgtatg tgcgtttttt cttcagactc 240
cattccatct cttctcatcc ttctggtatt gtgtcactct gtctgctgtt tgaaactctt 300
cttcaaactt atcttcccca actcttttat catctacgag aaattggggc tcaaccactt 360
cgcatatcat ttaagtggat ggttcgagct ttctctggat acttagctac agatcagctc 420
ttgcttttat gggatagaat cctaggatac aactctctgg aaattcttgc tgtgctggca 480
gctgccgtgt ttgctttccg agcagtgaac ctgatggagg tgacatcact ggctgcagct 540
gaaaatctag ctgcccacag tgaacagttc tgcactgctc ctctattccc tgagctttac 600
agagtccaga tcccatgtac tgctgaactc aggcagaaag aagagtgcag tttattggac 660
tccaaatctc attcaacaga acaaagaagt tgaggttgca aggaagaacc tataatgatg 720
ggtcatggaa tataacctag aaaagaagag aaataaaaga gactgtgttt caccatgttg 780
cccaggctgg tctcgaactt ctgagctcaa gcaatccacc ctcctcagcc tccagaagtg 840
ctgggattac aggcatgaga caccaagtcc agccataagg ttcttattct atatatacat 900
gaaatgatat cacttgaagg tagactgtga taagttaaat acgtatattt tttaaatctt 960
caaacaacca ctaaaataaa agaacaaaga gttacaacta aaaaaaaaaa aaaaaaaact 1020
cgtaggggggg gacggcgtac ccaattacgc cc 1052

<210> 1435
<211> 665

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (659)
<223> n equals a,t,g, or c

<400> 1435
ggcacgagcc gatagctgct tcgggattgg cgtccgggcg gctatctagg ggctgctggg 60
aagatggcgg actcggtggc tagccgatga ggaggccgcg gggggaaccc ggcccccggg 120
ccccgagacc gactgaggga gcgacctgcg cagggcccgg ggagtcatgg tctccatcac 180
ccaactccat gcttcgagtc ctgctctctg ctcagacctc ccctgctcgg ctgtctggcc 240
tgctgctgat ccctccagta cagccctgct gtttggggcc cagcaaatgg ggggaccggc 300
ctgttggagg aggccccagt gcaggtcctg tgcaaggact gcagcggctt ctggaacagg 360
cgaagagccc tggggagctg ctgcnctggc tgggccaraa ccccagcaag gtgcgcgccc 420
amcaytactc ggtggcgctt cgtcgtctgg gccagctctt ggggtctcgg ccacggcccc 480
ctcctgtgga gcaggtcaca ctgcaggact tgagtcagct catcatccga aactgccccc 540
cctttgacat tcacaccatc cacgtgtgtc tgcaccttgc agtcttactt ggctttccat 600
ytgatggtcc cctggtgtgt gccctggaac aggagccaaa gcttcgcctc cttcgaagnc 660
acctt 665

<210> 1436
<211> 1104
<212> DNA
<213> Homo sapiens

<400> 1436
aaagatgggc aacttacggt cggactggtg ggctacctaa tgttggtaag agttcaacaa 60
tcaacrccat catgggcaac aagaaagtat ctgtgtctgc cacacctggt cacacraagc 120
actttcagac tctctatgtg ragcctggcc tctgcctgtg tgactgtcct ggcttggtga 180
tgccatcttt tgtgtctacc aaggcagaaa tgacttgcag cggaatcctc ccaattgatc 240
agatgagaga tcatgttcct cctgtatcac tagtttgcca gaatattcca agacatgttt 300
tagragctac ctatggcatt aacatcataa cgcctagaga ggatgaagat ccccaccgac 360
ctccaacatc ggaagaactg ttgacagctt atggatacat gcgaggattc atgacagcgc 420
atggacagcc agaccagcct cgatctgcgc gctacatcct gaaggactat gtcagtggta 480
agctgctgta ctgccatcct cctcctggaa gagatcctgt aacttttcag catcaacacc 540
agcgactcct agagaacaaa atgaacagtg atgaaataaa aatgcagcta ggcagaaata 600
aaaaagcaaa gcagattgaa aatatcgttg acaaaacttt tttccatcaa gagaatgtga 660
gggctttgac caaaggagtc caggctgtga tgggttacaa gcccgggagt ggtgtagtga 720
ctgcatccac tgcgagctct gagaacgggg cggggaagcc ctggaaaaaa catggcaaca 780
gaaataaaaa agaaaaaagt cgtagactct acaagcacct ggatatgtga ggttgggctg 840
caacagaaat gtcatctgca ttgtgcagat ggaaaagagc agaagctgcc tgttgcctgt 900
ggaactgtcc caagacacta gcactgtaga acgggccctg ctcttgcaga gcacggctgc 960
acccaacagt ctccatgtca agaccaaggg cctcctggaa acaccaactc tgacaaaaag 1020
gagtcatctg ggagcccgag aatcctactc ctggccgggc acagtggcac gcaccaacat 1080

ggagaaaccc cgtctytact aaaa 1104

<210> 1437
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<400> 1437
ccaggtgggt gccctgggtc ttggtgttgt gactggggga ggaggggtgt taggggctgg 60
gggtcacctt atattaacat gaactagagc acacccttgt catggctgga cccaacagta 120
agaggcaaac ccagggtgtc catgtcccta ggatgctcca gcctgctctg gggccacgag 180
tctcacatga ggactggccg cccttgtgta caggggcaag agggggccag gtccctgtcc 240
tggccaggct gttagccgca gtacccacag agaccaccgc cctcctctgc tttccccgga 300
gaggggcttg gcttctagca gtcagagcag ggctnttcca aaaggttggg ccttgcccg 359

<210> 1438
<211> 409
<212> DNA
<213> Homo sapiens

<400> 1438
ggaggccgta cctccgagag gctcggcgtt gagccgggta gggccaggtg gctgcccttt 60
cacctagggt agtccctggt cgcctccgct cttcgcccaa aaggggatgc agctccggga 120
aacaagtgaa ttcatggtat tttacttttt tgggaaatac trgaaatgaa gacctgcaac 180
tgtaatttgr aataaggaaa actttaattt tcrgtataaa aattgctcaa atagaattgc 240
ctgattttaa tgacaaaagg tgaattatag tttaatgtac tgcaagtcct aaactacgga 300
tgggaactat tacagtttat aatgtcaaaa acttttctta gaccaaaggt atcttccaca 360
aagtatatgg gagtccacat ttatgtaaga aatgaaacta taaaatgta 409

<210> 1439
<211> 404
<212> DNA
<213> Homo sapiens

<400> 1439
gtgttgagag cggtgtggca ggtgttgtag ccgctatggt gaagttcgct ttgtagcggc 60
cccggctaga gagttgkyct gttccctgcc tttgtgaccc ggagagcttt tgggaactgg 120
tttgtggcct gtttgattcc tgtcagaggt ttgctgaccc aagacagtat cgaaaatgca 180
tattaagtca attattctag agggattcaa gtcctatgct cagaggaccg aagtcaatgg 240
ttttgacccc ctcttcaatg ctatcactgg cttaaatggt agtgggaaat ccaacatatt 300
ggactccatc tgctttttgc tgggcatctc caacctgtct caggttcggg cttctaaatt 360
tacaagattt tagttttaca aaaatggggc aggcttggta ttta 404

<210> 1440
<211> 352
<212> DNA

<213> Homo sapiens

<400> 1440
aattcggcag agaaattata taaacctgtt gtctctcacc tctacattgg atcacatggt 60
cacctgcctc atggaaatgc ctttttaaa acttcgattt gcagaactcc actattttta 120
tacctagcta cagttttgag aaagaagaat cagaaccctg acccacttac ggttgctggg 180
acaattcccc ctcccgcatg tattgctgca gtgcccagga cagtaaaatg gactacaagc 240
ggcgyttcct gcttggcggg tccaagcaga aggtgcagca gcacagcaat acccgatgcc 300
tgagctgggc cgagcactga gtgtccccctg gcatccacgg ccaccaytgc cc 352

<210> 1441
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 1441
ttcggcacga aggagactgt aaacaaagat atttgtgaaa agggaacaat tcagcaaatg 60
ataggaatct ttaaaaatat aataagcaag cctaatgaaa aggaagaagc cattgttttg 120
gaaatccagt ctgatatatt acttatccta tctggcsttt gtgagaatca cattcaaagg 180
aaggaaattt tcggaactga aggagtagat atygttcttc atgtgatgaa aacagacccc 240
aggaagttac agagtggctt aggctataat gtacttcttt ttagtacatt ggacagcatt 300
tggtgctgta ttttgggatg ttatccctca gaggattatt ttcttgaaaa ggaaggcatt 360
tttctccttt tggatttgtt agcattgaac caaaaaaatt ctgtaatcta atacttggga 420
ataatggttg aattttgtga ataatcccaa aactgcagct catgtcaatg cttggcaagg 480
gaagaaggat cagacagctg ctagtctttt aatttaaatt gtggaggaaa ggaggaaaaa 540
gaactaggng taaaacg 557

<210> 1442
<211> 568
<212> DNA
<213> Homo sapiens

<400> 1442
tcaatgttcc attttgcttt taaaagcttc acaagaacat ttcatttatt aaaatagttt 60
ctgtaaactc tttcagaata acaaaattca cttgccttgc ttaaacagca tttcaagtag 120
aagtattttt atttcaaggc accataaaat gatgatctct ctaagaaata cctctccttc 180
cgtgtgtgaa aatccttggg ggaaaaaaaa tcccacacgg tgttcttggc catcaggatc 240
atgaaaacaa actttggtga atgtgagcaa ctgcgccaga caggacacag gttacagggc 300
ctgacgtcac taacggtaac tgacaatctt ggaatggacc ctactgctga tgtttcaaaa 360
ggacacagag gtgaactggt cacttctaat taagaagagc cagtggggtg ggggaagctg 420
aaaaccaaaa atccacgtag acatacgtgg cagtgtgaac gtctgtcctc cccttccttc 480
tcctcacttc ctctcctcct cctcactcag gctggtattc tcctggtgtg cggatgtcag 540
cttgccctgc agaagcctct gccgaatt 568

<210> 1443
<211> 654

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 1443
cctcataagg gnncaaagct ggagctccac cgcggtggcg gccgctctag aactagtgga 60
tcccccgggc tgcaggaatt cggcacgagg tttgcttcaa aagggntata ttatactctc 120
tctagtaatc caaaggtatt cctaattttg ccactnctca ttttcgcttc tctttaaggg 180
ccttatagta tgttctaatt tctcatttgg tagtatgcaa cattcaatat ttctagctct 240
aaagttccat cattaattat ttctttttt ctttttttt tctttttttg agactccatc 300
tcaaaaaaaa aaaaaaagca aaattgttgg catctctaag acagagcaag actccctctc 360
taagagatag tagtgtctcc cacttaattg aattcgtttt gttttgtttg ctttgctttg 420
attcttgcca cgtaaaatct gtgggtcttg accagagatt tgctcagaca gttaaggaaa 480
aataatgaag atgtatttgt gaaatttta cataatgaaa aatgagatgt atttgtgaaa 540
attttangna taaacctctt tataaaatac gtttgtaaaa tataaaagag gtaggatgtt 600
ttgggctaaa tttagccaca ttctggggtc catacacaca cacacacaaa cagg 654

<210> 1444
<211> 899
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<400> 1444
gtcttattga actggataat ccaatattat ggatacaatg tcatacagta ttatggaggc 60
atatgtgtaa ttatcantat aaataatact ggagaaattt ccggacgtca gaagtcggaa 120
atggctctca ctgagttcaa atcaaggtgt tgggaaggct ccactccttt ggggggctgt 180
ggaggaggat ccatttcttt gccttcccca acttatggac tctgcattcc ctggcttgtg 240
gccccttcct ccatcttcaa agccagcagc gtagttcttc ccatctccct catattcctc 300
taacgctgac ctgccttcct cttacgaaga ccctggcatg acatcggccc accagataat 360
ccagcctgag caacagagcg agactttgtc tcagaaaaaa aaaaatcagc ttataataag 420
tgccataaag aaaataaaac tgggagacat gnaagagact gactagggtg gtagtctaac 480
agatggggca gtcaggaagt cttycctgag gaggtgacat ctgagctgag atctgaatga 540
aggataggat ccasccacag attgatctgg gggagaggca ttctaggcag aagacgtggc 600
tagtgcaaag gtcctgaggt aggaatgcac ttggcatgtt caaagaacac agagtcggtg 660
tggctggagc agagcaagtg aggaagagga ctgggagatg aatcaggaag gtgccggggc 720
ttgtaggctc agatgaggaa tttgaggact cttggtgctg agggaagaac gtgaaggaga 780
tgattgatca gggctgactt ctccggagaa ccactgggct ggtatggagg cagcatgaga 840
ttccgagtgg tcaactcaga ggcgagaatc agcaacccca gcatcaactt cagttcgtt 899

<210> 1445
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<400> 1445
ggcacgagca gagatagggt ttttggaggg ctcctctggg aaatggcccg acagcattct 60
naggttgtgc atgaccagca gatactatcc tgttggtgtg ccctggggtg ccatggctgc 120
tattcgctgt agattaggct acataaaatg ggctgagggt acctgtttgg ggagatgggg 180
tggcctgcag tgacacagaa aggaagaaac tagcggtgtt cttttaggcg ttttctggct 240
tgacggcttc tctcttttttt taaatcaccc ccaccacata aatctcaaat cctatgttgc 300
tacaaggggt catccatcat ttcccaagca gacggaatgc ctnatttaat tgaaagttag 360
tgttc 365

<210> 1446
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<400> 1446
aaaaaaagaa aaaagaaatt tgtgaagttc tactgctcta gttatgcagg gtggcaggat 60
ggcattggta aattgacttg aagtgagaaa aaataatttc tggttttatt ctaagtattt 120
aaaactgtaa attcataacc atgattcatg attttgnatt acaagtctta tgaattctta 180
gaacttcaga agtggccggg tgtggtggct cacactgtaa atcctggcac tttgggaggc 240
caaggtaggc ggaccacctg aggtccagaa gtttgagacc agcctggcca tcgtggtgga 300
aacccccatc ttctacttaa ggnatacaaa aacttaattn gggtattggt ggtggcacat 360
gcccgtaaat ccccag 376

<210> 1447
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 1447
aattcggcag agctgagatg aggaagtata tatttgggta tcatttttac atcctgttga 60
aagctccagg aagagtgggc caattctaag ctgttcattt acagagaagt tgctctcacc 120
ttttyctttc cttctaaatg aactttggag ccctgatctt ctttgtaagg gacaaccaga 180
ccctcctttc atgcattccc cttcagagtc gctgctagtt gcctggctcg agtgragtgg 240
catttttgaa ttttggccgc ttcagctgtc ttgggggcct nggggcgggc tcccacctct 300
ttt 303

<210> 1448
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<400> 1448
ggcacgaggg cgtgagcact gcacccagcc aaaaatttta catcttttat agagggaaaa 60
aaactcttta taccatggca aggccttttc tttcacaaaa agctgggcct actgaacaat 120
tcaagctgtg cagtagtaga ctgaaagcag gatttgttga ggagttacag ctcctgtcca 180
gagcaaatcc tgtagtgata caaggagaat gtaaacttgc cagcttagac agggatcagt 240
cctgagactg ctggcagtag caaatggcta ttagagtaac tgtataatgg ttttgcctgc 300
actttctcta tgtatataca aatgtacatg tataaatata aaaattaagk gatcatggtt 360
cttggtaacc tgtcccaagt gctgkgattc acacgcctga cactaaaagg ttcttcctgg 420
tccagtcagc cagctgtrac caccagcagc acagctgagt gctgagaatc tggctggaaa 480
ragaaatgtg gctcaagtgc tggctcacct nctagctgtg tnggg 525

<210> 1449
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 1449
ttaccattgg aatttaattt aagacaaatt tagtgtgaac agtgaattta tttaagacaa 60
ancctaaag atttgtagaa taatgacctt agtttttca tgatgggccc ttacccacaa 120
aacctgcttt ggcatttggt taacccagac ctcatgctgg gttaaagtat atagatataa 180
cagtaattca gatttaatgc atatcttgga ttgggactga ctgaggaacc tcttgtttta 240
aagtgatttg tagtatatct ataacgtttg atccttttgg gtaaaatagt agctgacaaa 300
aaataaatac aaattaattt tcatgctcat ctttacctga aagactcaga tttctcttta 360
agccagctca ggaatattag gctaaaccca gctgttttgc agatgttctt actcagattg 420
aaacatcaat taattaacag gtatctattc atatttaact agaaccctgc taatgtagag 480
aaataatact tttttaggag atctttttttc agttctctct aaaatgtcat tttatataaa 540
tttctcttat atttttataa gattgtatac taggattgag gatgtatagg tacatattta 600
taggatgcta tcaatttgg 619

<210> 1450
<211> 316
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 1450
ccntgnagta gctgggacta caggcacacg ccaccatgcc cagctcattt ttgtattttt 60
agtagagatg gggtttcacc atgttggcca ggatggctcc atctcttgac cttgtgatcc 120
gcccgactcg gcctcccaaa atgctgggat tacaggcgtr agcatncaag tctggcgaga 180
garattgttt ctagatgagg gtgggggcgg gtgtccttag cccaaagctt gtgccagtct 240
ctatcagaaa taaatgcccc caaaacctca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaa 316

<210> 1451
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<400> 1451
ctcaaatgaa ggtttgcagt ctgtctaatc aaaggatggg gcgtantgcn taaaatcaaa 60
agatttgtta aaacaaaggt acttatttgc aaaagctggc tatcctctaa gaaggtctca 120
gtctttacca accaccttat tgagcccagt aagggttgtn tcctctgtca atgttcgatt 180

atctccagga aaagagacca gatgcagccc accttccttc acctataagt acacacctga 240
agaggagcag gaattggaaa agcgggtgat ggaacatgat ggtcagtctt tagttaaatc 300
gaccattttc atctctccat catctgtgaa gaaagaagaa gccccccaga gtnaggcgcc 360
gcggg 365

<210> 1452
<211> 770
<212> DNA
<213> Homo sapiens

<400> 1452
caagtcgaac ggtaacagga agaagcttgc ttctttgctg acgagtggcg gacgggtgag 60
taatgtctgg gaaactgcct gatggagggg gataactact ggaaacggta gctaataccg 120
cataacgtcg caagaccaaa gaggggacc ttcgggcctc ttgccatcgg atgtgcccag 180
atgggattar ctwgtwggtg gggtaacggc tcaccwaggc gacgatccct agctggtctg 240
agaggatgac cagccacact ggaactgaga cacggtccag actcctacgg gaggccagca 300
gtggggaata ttgcacaatg ggcgcaactg atgcagccat gccgcgtgta tgaagaaggc 360
cttcgggttg taaagtactt tcagcgggga ggaagggagt aaagttaata cctttgctca 420
ttgacgttac ccgcagaaga agcaccggct aactccgtgc cagcagccgc ggtaatacgg 480
agggtgcaag ckttaatcgg aattactggg cgtaaagcgc acgcaggcgg tttgttaagt 540
cagatgtgaa atccccgggc tcaacctggg aactgcatct gatactggca agcttgagtc 600
tcgtagaggg ggtagaattc caggtgtagc ggtgaaatgc gtaragatct gggaggaata 660
ccggtggcga agcggccccc tggacgaaga ctgacgctca ggtgcgaaac gtgggggagc 720
aaacaggatt tagataccct ggttattcca cgccgttaaa cgatgttcga 770

<210> 1453
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<400> 1453
agcctttctg ctcctgaact aaaatcccta gccaagacct tccacttggt gaatcccaat 60
ggacagaaac agcagctggt ggacgccttt ctcaaattgg ccaaacagcg ttcagtctgc 120
acttggggca agaataagcc tggaattggt gcagtgattt taaaaaggtt ttgttggcta 180
ttgttacagt aaaaacattt aaaatgttga tagcacatat taacttacag tagrttgtat 240
ayttgattga actgtaattg tttatttcag ttgtagttag attgagaagg ctggaaaagc 300

cttaattgca atagcckgga ttctttcttg ggttattatt caaaattttt gtcgtaatac 360
cgtactaatt tccmggacca agaaaaatcg garggcaata ggcctttggt aaattgtagt 420
attttatttt cccgagaaaa atacagtttt aagtgatcct tatgggattt ttaaggttaa 480
ctatttagtc ccaattttta ttttagtttt ggtttactna aacnaattat atccggcgtc 540
cttaagttgc aatttttnccc cg 562

<210> 1454
<211> 1767
<212> DNA
<213> Homo sapiens

<400> 1454
aggccaagca tgcaggcagg cttgtaacaa actccttggc caggagctct gagaattagc 60
ttcacttccc tcagaaatgc cccaattccc tcctggaaga ggagctgtgt gacastcagg 120
ccagggggtc gggactcccc ccatctcctc cgcacacaca tacccctgca cacataccca 180
gccacgtaca gctgggtggc tgtasgcaag tcatttttct actctgagcc tcagggtctt 240
cctctgtcca cctcccccca ggattamtgg cagaattagg tgtgagcttg catttaaaaa 300
gaggtttgtt ttgtaaaccc aggctttgca aattggcagc ccaagtctca ggggcctgtg 360
cagtgactga tcattaccaa catttcgaag tgagagatgt cacataaaga gcgtcatttc 420
gagcttctct tgaaaagttg taaggtgagc taccctggga ctgtattcct gaatggcaat 480
gtgatggcag agtcctgcag tattaccacc tgwggacttg tgcaccaggt tcccacccac 540
ccacttcagg cccttggttc agggatgtgc ccgtcatgga aatamcaggt gctgtggctc 600
tgctggtttt ggctttcctt ctctgtaacc ttccaatatc tttctccttc caggtactgt 660
aaaccactta gtaattaatt agttaataaa ttcatctcat cagcactttt aaataatgtg 720
ctaggccaca ctgtcatgga ccccagatat acagcagcaa acaaagcagc catggtacct 780
tccctcaggg agcagtcagt ccagtggagg agtcagatat gactcaccac acagatcgaa 840
aaatctycac aaattatgag aagaatgctg agggaagaaa gaacataggt ggaccgctgc 900
tgagtccagg cttacttgca gagatctatg ctggccaggc cctgtgctag gcagcagagg 960
acatggaata aaatcaaata aggtcactgt gtgcaggact cacggtgtgg taaaggagca 1020
gccccatcca caggttctat taattccagc ctgtgagaat tggaaccaca gggtgaattt 1080
tggaggacag gcacttacac taatctggaa gcataatata taaagagtac ctacaaatca 1140
ataaaaaaaa tagaaaaaaa aagagcaaag tatatgaaca gaaaattcaa tgaaaaggaa 1200
atagaaatgg ctcttaaatg aatgaaaaca tactctcact cararaaatg aaaatttaac 1260
ccatgtcaar atacttgggg tgaaggaagt gttttaaaat tcgattgtgg tgatggttat 1320
aaccctataa atttactaaa acttattgaa gtgtaccttt aaaacaaatg aactttatag 1380
tatgtcagtt atatcacaat aaggctattt taaaaataaa aacactttga gataccattt 1440
tatacctgtt ggtattagca aatgtcaaaa cactggataa tgcattatgt tcctaaaggc 1500
atgggggaga cggcctgggg caagcgtcca ctgatgcatt cttgggttgg ggtgggcaac 1560
aggacgctgt caaacataca aatacattta cgctytgagc tgggaattcc actcatagga 1620
cttcatctga tatatatgct ttacatctga aaaatgtata aggaaattca ccacagcctc 1680
atagattatg gcaaaagttt ggaaacaaaa gatgtttgtc tacaggtgaa argttatgcc 1740
actgtcaaaa aaaaaaaaaa gtcgagc 1767

<210> 1455
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (112)

<223> n equals a,t,g, or c

<400> 1455
gttttgttgg ctccgttcct gaggtgacac ccggttcacc ccacgtgtta aaccccgagc 60
cgcgggctgc cctgtgctgg atattgccta catccagcag ccctctgagg gnatggtttc 120
tggcctgcct ccgttgccag ggtcctcact ggtgtgacca accatytggc ttttaacact 180
aaaaagcccc acatcctgag gaatcccagg acacagaaag tcctgggttt tgtcagtgat 240
gcagaaggtt gggtggaaag tatgaaaccc acacagaggg atgacagcac catttgtagc 300
atcggatgga aatggcgtgg atgatctgcc tcgagtggtc actgtcgcca tgttgcctga 360
cgtggatgct ggcatcagga cttgtgattc accatggatc 400

<210> 1456
<211> 1012
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<400> 1456
tntgtggcag aaaaatatgt tttccaggta gtttttacta ctacagagag tctgtaaata 60
agtgctttaa aaaaataaca aaccaataag atatttgtyt cctatataaa cattctgtgt 120
atttagcact tggaaaatca acaaatccag aatttaaaaa aatgccacag acttttcaaa 180
gcccaactgt acttttttga gaattgtccg tacctactaa tatgccttat tcttcttcac 240
ctagtgtttt aaaagtcctg ggtagaaaga gttttagaaa tgtaatcagt tgttcagctt 300
caataatata gagatctaac atagtcagtc ctcaggcccc ctaaagaaac aagcaagaaa 360
gtgagggcca tcactagggt tggctttggg gaggggaaaa ctaaggactg cttttgccaa 420
atgatatttt tgataatgta aggaaacaca gggaccacaa aacctttttt ttttttaag 480
tgtgaaagat tagtgccttt tggcatactt ttgattttag aggatatagt atcggcattg 540
acaaatcacg tagaaacaaa gaatgctata gatgacaaca gtattaaatg ttactcctga 600
ttctgcagaa cagcttttga agatactggg gggtatcttc aagcctcaga gcagcttgtt 660
tcagatagaa attctctatg ggttgaaatg ccaaaaacag aaaacatgat gttgactcat 720
gtaatttagt ccattttagc agagccttta gtgttaacac cagtggcgag gagcattgca 780
tattctctgt cagcagcagc actcccacac caggtggttc tgggctctct gtaggctggt 840
cctagtaggt gacacccagc aacacccctg ttggacagga ttgattgttc gcagtcttag 900
accaacactt cagtcagaaa tgttactggg aggaggaaag gaaaatactt tttttcctcc 960
atgtggaaat gaggagagag gaaagtggat tggaaaacca aaatgtgagt ca 1012

<210> 1457
<211> 637
<212> DNA
<213> Homo sapiens

<400> 1457
ggttttcatt gacactcttc cctcctccca cctgccacca ggcctcacca aagcccactg 60
ccatggggcc atctgggcca ttcagagact ggagtgagat ttgggtgtgg agggggaggc 120
gccaaggtgg aggagcttcc cactccagga ctgttgatga aagggacaga ttgaggagga 180
agtgggctct gaggctgcag ggctggaagt ccttgcccac ttcccactct cctgccccaa 240
tctatctagt acttcccagg caaataggcc cctttgaggc tcctgagtgc cctcagatgg 300

tcaaaaccca gttttccctc tgggagccta aaccaggctg catcggaggc caggacccgg 360
atcattcact gtgataccct gccctccaga gggtgcgctc agagacacgg gcaagcatgc 420
ctcttccctt ccctggagag aaagtgtgtg atttctctcc cacctccttc cccccaccag 480
acctttgctg ggcctaaagg tcttggccat ggggacgccc tcagtctagg gatctggcca 540
cagactccct cctgtgaacc aacacagaca cccaagcaga gcaatcagtt agtgaattga 600
atggaaataa acgctttagt tataaaaaaa aaaaaaa 637

<210> 1458
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<400> 1458
cnaccctcac taagggacaa agctggngct ccaccgcggt ggcggccgct ctagaactag 60
tggatccccc gggctgcagg aattcggcac gagtcttttc agactcagcc cacttgcacc 120
caagtraatt aacagccttg ttgctcacac aaagcctgtt taggtggtct tctataygga 180
catgcktgac acttggtgcc aaaatctggg ccaggggggac tccttygtga gaccggcccc 240
ctgtcctggc cctcaytccg tgaagagatc cacctgcgac ctcgggtcct cagaccagcc 300
caaggaacat ctcaccaatt tcaaatcgga tctcctcggc ttagtggctg aagactgatg 360
ctgcccgatc gcctcagaag ccccytggac catcacagat gccgagcttc gggtramtct 420
tacggtggag gattcccagc catatgaaga camcttagyt ggacgwtcat ccttgtcaaa 480
agtctgaccc ytcaaaytyt acagcytcaa tgggaccaga cctaccggtc atttttagna 540
ca 542

<210> 1459
<211> 531
<212> DNA
<213> Homo sapiens

<400> 1459
atatccgact cactataggg aaagctggta cgcctgcagg taccggtccg gaattcccgg 60
gtcgacccac gcgtccggaa tcctaggcct aagattcttc atgtaaaaat tataagactg 120
aataaagaat cttaggccta ggaggagaaa atgattttct ttctattacc taactagatt 180
ggggcatatt tctgataaag acccacctct agtgagattc atctttttg tttgtgtgac 240
tatattccat agagaagaaa gatgggatag ctcaacttca ttatatacca aagcaaaaca 300
catgccaaat gatgactaca ttttaccaac atatttagac gagtattctt gactagtgtt 360

tactatctat acccccaaaa ctactactat atagacagaa tggaaagtat ttctatttgt 420
ccttttttg ttttctgttc taattgtcag ggacatatgt agtggctata ggtttactta 480
aaaggaataa atttggaatg ctcmaaaaaa aaaaaaaaaa aaaaaaaaaa a 531

<210> 1460
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1460
tattcacgtc cccaggctca ttcttcagcc tcaggaggaa ttagaaggtc ttcatctatg 60
tcttatgttg atggcttcat agggacatgg cccaaagaga aaagatcatc agtgcatggc 120
gtatcatttg atatttcttt tgataaagaa gatagtgtac agagatccac tccaaaccga 180
ggaatcactc gttctattag taatgaagga cttactctga acaacagtca tgtatctaaa 240
cacattagga aaaatttgtc cttcaagcca ataaatggag aagaggaagc agagagcatt 300
gaagaagaac ttaatataga ttctcacagt gacctcaaat cttgtgtgcc ccttaacaca 360
aatgaactaa attctaatga gaatattcat tacaagcttc caaatggagc tttacaaaat 420
agaatacttc ttgacgagtt tggcaatcag atcgagacac caagcattga agaagcatta 480
caaataattc atgatactgn naaatctcct catacacctc agccagacca aattgctaat 540
ggcttctttc ttcatagtca aggaatgagt atcttaaatt canatatcaa gttaaatcaa 600
tctagtc 607

<210> 1461
<211> 121
<212> DNA
<213> Homo sapiens

<400> 1461
caggaaggat aagccatgtg gggtctagaa ctgagggctc tagacttcca gcccagtgct 60
ctctctgctc taccatgttg cctctagttg gagagacagg gcagaagtga tggtaaagaa 120
g 121

<210> 1462
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (682)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (699)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (702)
<223> n equals a,t,g, or c

<400> 1462
gctgtcacag gccatggatg ctccatggag gggtggtgag catatgaata acaatcaaga 60
gaaacatcgg taatggacag gaggcatcaa taaacaatgt ccaccctcct ctaaaaccca 120
ggaaagttct cattcaaaag acgatgtctt gaaggaaacm taggtacaaa tctttgtgay 180
tttggattag acatttttta agtaggcaca aacaaccgaa aaatagataa atggacttca 240
ttaaaataaa aaacttgtat gcttcaaagg acactgtcaa ggaagtgaaa agataatcca 300
cataatggga gaactatttc caaattgtat gtttgacaca ggtctagtac ctagagtrta 360
taaggaattc atataactga gcaataaacg acaaccacat ttaacaatgg ggaaaaaaag 420
ctgtgagtag aggtttctct aaaggaaaca cacaaatggc caagaagcac atgcaaagat 480
gttcaatgtt tttcgtcatt aggaaaatgt aaatttaaac caaaatgaga taccacttca 540
macccagcag tatgacttaa gaaaaaaatw aagacmacac atgtttcaaa agtgatggag 600
aatatggaat tctcatatat tactattggg gaatctaaaa tgatrtagct ctgaagttag 660
taaacagtgt gtgagttcct tnaaaaagtg aaaccttana gnggcc 706

<210> 1463
<211> 1765
<212> DNA
<213> Homo sapiens

<400> 1463
gagaaaacaa ttctgaccgg agaatgctgt tacctgaacc ccttacttcg aaggatcata 60
agattcacag gggtgtttgc atttggactt tttgctactg acatttttgt aaacgccgga 120
caagtggtca ctgggcactt aacgccatac ttcctgactg tgtgcaagcc aaactacacc 180
agtgcagact gcyaagcgca ccaccagttt ataaacaatg ggaacatttg tactggggac 240
cgggaagtra tagaaaaggc tcggagatcc tttccctcca aacacgstgc tctgagcatt 300
tactccgcct tatatgccac gatgtatatt acaagcacaa tcaagacgar gagcagtcga 360
ctggccaagc cggtgctgtg cctcggaact ctytgcacag ccttcctgac aggcctcaac 420
cgggtctctg agtatcggaa ccactgctcg gacgtgattg ctggtttcat cctgggcact 480
gcagtggccc tgttttctggg aatgtgtgtg gttcataact ttaaaggaac gcaaggatct 540
ccttccaaac ccaagcctga ggatccccgt ggagtacccc taatggcttt cccaaggata 600
gaaagccctc tggaaacctt aagtgcacag aatcactctg cgtccatgac cgaagttacc 660
tgagacgact gatgtgtcac aagctgtttt ttaaaatcat cttccaattc tatacttcaa 720
aacacacagt tgctcaatgt caaactgtga tgacaaatat tacgtttatc tagttagaag 780
ctaatgtttt gtacattttt tgtatgagga agtgatgtag cttgccctga ttttttttt 840
tttttttttg gtcagcttta atatatttat gccagaattt taaaaccaac aaaattttct 900

tgttcaagcg tgcattgaag aaccacattt attcaatggt tgaygttgtt ttgtgatatt 960
tgtacacaaa ttttcttttc tcagttttat aaacacagaa tataacaatt cactttaaac 1020
ttttattacc acagttgctg cctcctccag aatttttgaa ttttaataaa aggcaaactt 1080
ttgagctgca ggaaggacaa tgttggttaa taataaatct caaagtcaat tgtagaaaaa 1140
aaattgtctt caaaaagaat gttgcactct gatctcttaa caaattgtta cgttcaaagt 1200
ttaaagtgat atattaacar agtcacctag ttatacaaac aattgtcaga gaattctgga 1260
tttggagggt attggggtta tatgattctt tcttagataa tggcctctac taaataactc 1320
aagatctttc tggaatgtct tctggcaggc aggtgccact gtcagctttt ctccaaaaag 1380
cagccaacat cagcctcccc tgtcaactca acagttttgt atctcatatt atatggactt 1440
tatatgaaaa tgaatatttt acagtttgca cagtattatt ttacagaaaa ggaatcagag 1500
aatctacaac atagggcccc agaacaacag tttcactttg tggcttttaa ttattctaga 1560
attttaactg catctcattt ttctagcatg gtgagaacta atatgtaact cctttgattg 1620
aaggagctct tttgtccgta cctatcagaa tgttttcttg acacttccat gttggctctt 1680
ctcagctttt tttgtacata ttttttttt ctaaagagaa gaaaaagtta tcacaaaatg 1740
taaaaaaaaa aaaaaaaaaa aaaaa 1765

<210> 1464
<211> 475
<212> DNA
<213> Homo sapiens

<400> 1464
ggaaaacctt tagacttttt ttagcaatta gtttgacatt cgctactata gtaaccaagc 60
actcattata tatgcatcct ccaaatgttt catggttatt tataggaaag ttatattaat 120
gagattaata atgtgaaata cagttttcct gcaaaattag cattagagaa ttgattttag 180
ataacagatt tttaaagttt tagagaaaag tacagtaata cagtaaactg aargagtata 240
tagatagcaa taaaataaca taagtggaca tgtttatagt aaatactctg aagtaaacam 300
ccgtttttat taactgcatc tcattaggga aagtttatat gtcttgttat tttttattaa 360
cattttattt accattcaga gtgaaaatta ctaatttgrg tattaacaaw taactgrata 420
aatggtcatt acagttaggt tttcccaaat tgcmaaattt gccttaggca ttatc 475

<210> 1465
<211> 198
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<400> 1465
tggcaggggc actggcccgg cccgcacctt cctagcagcn agttacccaa gaggaagctg 60
ccttgggsct ccagaccgtt aaatgccaac tcctggcttc cggtatcagg ctgggttgac 120
ctgacctggc cccttcttgc tgggccctgc agctttctaa cttgccgggn ggagcagtga 180
cacccgcccc acatgtgg 198

<210> 1466
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 1466
gtggcagagt gccctgcggg actgccagcc cctcctgtcc tccctcagca acctggcgga 60
acagctgcag gccgcacaga acctgcggtt tgaggatgtg ccggcgcttc gggccttccc 120
agatttaaaa gagcggctga ggcgtaanag ctggtggctg gtgacatcgt cctggacaag 180
ctaggggaaa ggctagccat cctcctcaag gtgcgagaca tggtcagcag ccatgtggag 240
cgagtgtttc agatctatga gcaacacgca gacacagttg gcattgatgc tgtcctgcag 300
ccttcagcag tgagcccctc tgtggctgac atgttggaat ggttgcagga tattgagaga 360
cattatcgaa agtcgtacct gaagagaaag tatcttcttt cgtctatcca gtggggagac 420
ttggcaaaca tacaagcttt gcccaaggcc tgggaccgaa tttcaaaaga cgaacaccaa 480
gatcttgtac aagatatcct attgaatgtt tccc 514

<210> 1467
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<400> 1467
ggcctntatt ngaaagtcca tcnggttcct aacagngctt cctctttcca gggtctccca 60
tggcgtgcgg aacttcccag ggnaacgtga aacctgtccg cagtccytgc ccytgccctt 120
tctttkggag acgtgtgaaw gagcmgcasc cactttaatg tgaggccasc catataaaca 180
atraactttc acttscgccm ggaggtcata aactcaggtc accaaagaat tctagcttca 240
gctcttggtt tagtaatgta ccaagtttgg tattactttt tgtttgtttt aatcaggttt 300
ctgccctcat cttctatttg ggaaattaaa actggtctgt tggcatggct ggtgactgag 360
cggcaggcac attcttagtc tctgactttc tgcagccatc tttgagtgca tataagtgtt 420
gggtaacagt ctactgaatg tgctacaagt gtgcggagtt gtgttcatct ttaacttgtt 480
ttttttaaaa aacactctct tggtaaattg ggatctcctg ttgaaaactg tatttgtttg 540
gcagttgagt ttatgcctgg agcccctaga gcacatttaa ctggttggtg gtcagttgta 600
ccatactgaa aaaaaaaaaa aaaaaaaaac tgggggggcc cgaccccat 649

<210> 1468
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<400> 1468
tccagtattt tcgggggctg gtggacgcgt gggcgatagg gtgctgtcct tggggtgctg 60
tgtatatggg atgatgacgc ttatcagcay tatctagtcc tttccacccc gaaattcgcc 120
ccgattaaag actgwgttgc attatcaggt aatgagatgt gagggagggt ctttgaaagt 180
ggaaaacctg ggcgtcgagg ccactgtgcc atcttgggnc ctcagtttcc ttatctgtga 240
aatgagggtg aatgtaaagc tgctatgtaa aatgtaaagc tctacataaa ccactctctg 300
cattactttg gatatatgag aatattaacg tttgacgtct acgagactag atccgattcg 360
agcatcacct cccataacct tacagactaa cccctctttt aaatctcagt ggttcgtaat 420
cttacagact aacccctctt ttatgtctca gtggtcttgc agctggcttt tgttcatta 479

<210> 1469
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<400> 1469
gtatccggat gggctcattt tatatgtgtt ttaaactctg agctagaagg caacactact 60
ttcttgtgaa gcacaccatc tgtccttggc cctagggagc tcctgccgtc ggtcactggg 120
tcccctgatg cacccctttc aacagacttt tcattttggg gtacgtsctg acttcctggc 180
actgcagggt gctccagcct cctcttgcat tccctgccct ggcccgggaa tcagcccctt 240
ctccaaggag ccccgggtcc ttttattggc aagtcttaag agagtgaggc ctgggtgcca 300
ggcagggagc cccaggtcct tttattggga agtcttagag agtgaggcct gggtgccagg 360

tgggtgccag gtgggtncgg tgctgctggg atgttgtca 399

<210> 1470
<211> 460
<212> DNA
<213> Homo sapiens

<400> 1470
ttaaccctca ctaaagggaa caaaagctgg ggctccaccg cggtgacggc cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgaggac tagtccgagt tttttttttt 120
ttttttttta aaacaaatac ttttattgca catttataaa atctgcatag ttgtatcaat 180
ttttttccct ttcatgattc cattaatctt taaaatttgg ttaaaacaca atatccaatc 240
agaagccttt taaaaatgat caatgggaag tatttttctc tacatataca tatatatata 300
gttttgcata tgtatgctgg ttttttttt ttttttttt gtacaaaccc acatccctta 360
cttttaaggg caaaaaagaa ggcsgggtac gatgacttgt ctgcaatccc agactttggg 420
aggctgaggg aggcagatag atcacttgag gccaggagtt 460

<210> 1471
<211> 2007
<212> DNA
<213> Homo sapiens

<400> 1471
tacattggaa caagaacaag aagcactagt taatcgcctc tggaaaagga tggataagct 60
tgaagctgaa aagcgaatcc tgcaggaaaa attagaccag cccgtctctg ctccaccatc 120
gcctagagat atctccatgg agattgattc tccagaaaat atgatgcgtc acatcaggtt 180
tttaaagaat gaagtggaac ggctgaagaa gcaactgaga gctgctcagt tacagcattc 240
agagaaaatg gcacagtatc tggaggagga acgtcacatg agagaagaga acttgaggct 300
ccagaggaag ctgcagaggg agatggagag aagagaagcc ctytgtcgac agctctccga 360
gagtgagtcc agcttagaaa tggacgacga aaggtatttt aatgagatgt ctgcacaagg 420
attaagacct cgcactgtgt ccagcccgat cccttacaca ccttctccga gttcaagcag 480
gcctatatca cctggtctat catatgcaag tcacacggtt ggtttcacgc caccaacttc 540
actgactaga gctggaatgt cttattacaa ttccccgggt cttcacgtgc agcacatggg 600
aacatcccat ggtatcacaa ggccttcacc acggagaagc aacagtcctg acaaattcaa 660
acggcccacg ccgcctccat ctcccaacac acagacccca gtccagccac ctccrcctcc 720
acctccgcca cccatgcagc ccacggtccc ctcagcagcc acctcgcagc ctactccttc 780
gcaacattcg gcgcacmcct cctcccagcc ttaatgcatg agcttagtct gaatttcaag 840
wtgggactca tcmaatggag ccgtctactc aaamgcaaag gcttccttct ctggcatatt 900
tggatatgac ttatttgcac tgaggttatc taggcttcac tatccattgt gttgtaaatg 960
tttgtcagaa atgcagccag tgttgtgggt ctacaacact aaccagacga ctttttccat 1020
cagtgttwta cttgaatctt catgtacgtc cattccctgg ctggaacctt cgctgtttgg 1080
tatttggtat ttcagcagca gtgtgcaatt tttgcttggc ccagagcttc attctcctgg 1140
cttttaggtt tgtaaaagaa aaagggatat ctttttttata tkttttttcca tgaatctgca 1200
gaaaattact gagctgttgt taccctcctc tcattataat agtgtttacc aaacatacca 1260
ataattcagc actacaattc agacctttga aaatctggct ttcagtgtag aacagaaagt 1320
tagatgaatc agtgcccaag acatattttc tgtttaacag aactttctac agatacattt 1380
tttacaggtt attttcattg tgttattgac atccatgtct ctcgtaaaac agatggccca 1440
aagtaatgaa tcatgtggct gtaccttctc cacataaatg ggatggataa ttatcgtata 1500
ttaagatgtg attctctttt ttatccttaa tgttaatcta cttaacctgg ccccctctaa 1560
catgagtcga taaatgttgt cctactcacc ggtggtttca atggctaatt agaatgtgtt 1620
atttgatttc tgctgcagaa ggcagtgtga ttgtaacaaa aacaatgcgg cttcccccctt 1680

tcgtacttca tttgtgttct cttaaaatag agtttgaaca aatattttaa aggtgcaaaa 1740
taccattaga aaatactatt tgaaatggac attatcgcat tatcttggca taatggccag 1800
aaaatattgt attgcttggc agaaaagaaa ataaggtcta aaggaaagta gcacattagc 1860
attgatggct gttcatttca cccagtataa gcaagtgcag tgtacaaaga agtatattct 1920
gaatacatta tttccattca tttagcacaa ataaatcatt tggtttcact ttgmagtgga 1980
aaaaaaaaaa aaaaaaaaaa aaaaaaa 2007

<210> 1472
<211> 400
<212> DNA
<213> Homo sapiens

<400> 1472
acagagcaag actccatctc aaaaaaaaaa aaaaaagact taacagagca tttcacgggg 60
aagggccatg agggaacatc accygggtga tggtaacatt ctgtatcttg ataaggattt 120
gagttataca agtatataca tctgtcaaaa ttcaaagaat gtacactcaa gatctgtgca 180
tttcattata tgtaaatgtt acmttaaaat gttgtaaaca aatattgaac aaatatacgc 240
atgctaaagt atttaagagg aagtactggt gtctgcaaaa caaaaatttt ttttccattt 300
tctgtggtaa aatatacata atataaatgt attattttaa gtgtacaatt cagtggcatt 360
aaatacactc agaaagttrm aaamaaaaaa aaaaaatttc 400

<210> 1473
<211> 1278
<212> DNA
<213> Homo sapiens

<400> 1473
tcgacccacg cgtccgcatg gagcacctgg agtgttctgt ctggaatgct ggctgggagc 60
cttctcctgg catttgaacg aggggcagct gtgtcctctg tttgccgtgt aaagaaaaga 120
ggacagagct cagaggagat gaaccccagc agaaaggggt gcttgaccag caggagagaa 180
gataaccaag agggtctgtg ggtgtctctt ctgagctaca ccagtttcca ggttacctgg 240
gaccatggat aactctcaga tcagcaactt gtcagttgat ttccaagctg ctgttggctg 300
gactcagact cagcagggag cacctgggcg agccctgtgc tgcgggctgg actccggccc 360
atctcgctga ttactcttgc ttttgctccc cagtgtgtcc tcaagaggtc agagcctgct 420
tgttgtttct tcatgaccac gggaggaggg gcaccaacat gagggtgcta gcatctcccc 480
agtggtggct tcccagggct ggggaaaccc tgggggaggg gttgggacag ggacctctgt 540
cgcttgctgc cactgcctgg gtcaactgcc tggcaaggct ggccgctcgt gctcagaaag 600
ctgaggcctt acctgccttc tcctctcacc cagcgcccat gtaaggacac atctgarttg 660
gcattctgtg tctgctcttg arctactcgc atgataagtc tttgttgtcc tgtgggatgt 720
caccggttca tgctgaagag aaattgtaaa ggactccttt gcctgctcag gccccatggy 780
ctctgtcatg ttttgtcccc gtccctttgg garcacagca gcagtgggct ggctggactg 840
tgcaggcgag gttcaaggat gargtacagt tgtgtgaaag gtgagcctgc tggaccgggg 900
agctttcctc aaggcctccg cctggctatg atggcgttag ggttgagggg aagcttcatc 960
caaaatgcac agtacttgga tgtcaagatg atgttgctgc tctcaggatg agtcactctc 1020
caccactgac ttcctttgat gttctgagct cagcctggag tctgamctgg gactatagca 1080
cttgttctcc caaggtaagg ctggcggsca aacccagtgc gcacacctga acctgctcct 1140
tggcagarat gaagggcgtc atgtttcgta gccactcaac acccatggac aatttggctc 1200
cttgtwaaga ctwakgcatg cctttgaact gacttacttg aaatataatt gskccyattt 1260
tgctccaaag aacaatgg 1278

<210> 1474

BNSDOCID: <WO__0122920A2_I_>

<211> 475
<212> DNA
<213> Homo sapiens

<400> 1474
gaattcggca cgagaaaggc aggacctcga ggcgcggccg cgcgaggtga ccggagtcac 60
agttcccgca ggcggcgaca gcagagcgcc cactgcctcc agcagattaa tattaagatt 120
ggaagtttgt gtcttttgct ggatattgga aattgaatgt aatggcaaca gaatttataa 180
agagttgctg tggaggatgt ttctatggtg aaacagaara acacaacttt tctgtggaaa 240
gagattttaa agcagcagtc ccaaatagtc aaaatgctac gtatctctgt acctccattg 300
acttctgttt ctgtaaagcc tcagcttggc tgtactgagg attatttgct ttccaaatta 360
ccatctgatg gcaaagaagt accatttgtg gtgcgcaagt ttaagttatc ttacattcaa 420
cccaggacac aagaaactcc ttcacatctg gaagaacttg aaggatctgc aggag 475

<210> 1475
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<400> 1475
cgccattttc cccacagggg cgaggaggcg gctttggttc tcccggtggg cttgccggag 60
tgcgttctgc agaccagaag ggctttgtct ggcgattgct gaatgctcaa tagcagcctg 120
ctgggaggga agtcgaaggg agaaatagga cagaaagaga gacctgacct ctccctggag 180
gctctcagtg tcggccgagg cccttggtct tgctctaggg ctctgcattc ccgagagctg 240
ctgtatgccg gggattggct tccaagcctg cctgagcttc tccagtctcc cgggcatcgc 300
catgcggtgg gagggtgagc cttcctctcc tgctgaaatt ccggcggctt ggcaaccggc 360
cggggggtct tggattcctc ggggagacam cactgatgct ttgtggtttc acgtaatttg 420
gatttaaaan ttgaaggcgt ca 442

<210> 1476
<211> 1019
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (898)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (931)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (973)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (995)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1004)
<223> n equals a,t,g, or c

<400> 1476
tccggtaccg gtccggaatt cccgggtcga cccacgcgtt tntaaaaacc acgtttcttt 60
gttgagctgt gtcttgaagg caaaagaaaa aaaatttcta cagtagtctt tcttgtttct 120
agttgagctg cgtgcgtgaa tgcttatttt cttttgttta tgataatttc acttaacttt 180
aaagacatat ttgcacaaaa cctttgttta aagatctgca atattatata tataaatata 240
tataagataa gagaaactgt atgtgcgagg gcaggagtat ttttgtatta gaagaggcct 300
attaaaaaaa aaagttgttt tctgaactag aagaggaaaa aaatggcaat ttttgagtgc 360
caagtcagaa agtgtgtatt accttgtaaa gaaaaaaatt acaaagcagg ggtttagagt 420
tatttatata aatgttgaga ttttgcacta ttttttaata taaatatgtc agtgcttgct 480
tgatggaaac ttctcttgtg tctgttgaga ctttaaggga gaaatgtcgg aatttcagag 540
tcgcctgacg gcagagggtg agcccccgtg gagtctgcag agaggccttg gccaggagcg 600
gcgggctttc ccgaggggcc actgtccctg cagagtggat gcttctgcct agtgacaggt 660
tatcaccacg ttatatattc cctaccgaag gagacacctt ttccccccctg acccagaaca 720
gcctttaaat cacaagcaaa ataggaaagt taaccacgga ggcaccgagt tccaggtagt 780
ggttttgcct ttcccaaaaa tgaaaataaa ctgttaccga aggaattagt ttttcctctt 840
ctttttttcca actgtgaagg tccccgtggg gtggagcatg gtgcccctca caagccgnac 900
ggctggtgcc cgggctacca gggacatgcc ngagggctcg atgacttgtc tctgcagggc 960
gctttggtgg tgnttaactg gctaaaggtt accgntgaag gcangtgcgg taactggcc 1019

<210> 1477
<211> 857
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (820)
<223> n equals a,t,g, or c

<400> 1477
tgaaatgccg cttattcagt tttaagtact gacctgctaa gtaactagta attccagact 60
ccctagaaga ggttgttctc ttttttcccta atcataatcc ccacttgcta aaaccaaatt 120
catctaagcc atctattttc tgcaggatac atgtaaatct tagaggatta tcccagcact 180

gagcagatga tagatcaaac agatctctct tcatagttct gtggatgaaa aaacagtatt 240
tacacataat ctgtattatt cacattgcca ggctaaattt tckggaycat tgktacycyt 300
cygtttttg tatagttgta acagagtaty ctttaaatac atttttatgg catgcctatt 360
atgtacaaaa caccacaaag cttatgtagg taagtgatac ataggcccct acctcaagga 420
gcttactgtc tgaacagggg agaggtgtgg tgaaggatgg acaaattata tgtatttgta 480
agagtatata atttatggta aaacaatttc aagaaaggat taaaccatgt gttataatgt 540
ttcaaagaag ggagagatta taaaccactg gggtaaaagg ataggcttct tggaggaagt 600
gacatttgag atatatcttg gatgaccgat cagattccca tagaagaggt ctgagaaaag 660
ggcattccat gtagaaggaa tgacaagagc aaagacatag agagttaatt agaaaatgct 720
tgtcatttat ttcataattc gggggaaatt attttgtttt ataacacttt taaaaaatat 780
ttagctttgc agttcctgac cccttaatgc ctgacccttn caagcaacca aagaaccagc 840
ttaatcctat tggttcc 857

<210> 1478
<211> 2771
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<400> 1478
nttgaggttc tgggggtcct ggagacttac cattgagcca tgcaatctgg gaagcacagg 60
aataagtaga cactttgaaa atggatttga atgttctcat ccctttttgca gcttttcttt 120
ttggctctct catgtccttg gcttgctcct ctattctacc tctctttctc cagcaataat 180
atgcaaatga agacatgtat ccataagaag gagtgctctt catcaactaa tagagcacct 240
accacagtgt catacctggt agaggtgagc aattcatatt caaaggttgc aaagtgtttg 300
taatatattc atgaggctgg aakkaagaag aattaaaaat ttgtcctaat tacaatgaga 360
accattctag gtagtgatct tggagcacac atgaataact ttctgaaggt gcaaccaaat 420
ccatttttat ttctgcctgg cttggtcacc tctgtaaagg tttaacttag tgttgtcaag 480
taacagttac tgaaagagct gagaaaaaga acaatgaaca gcaacgatct tgactgtgca 540
actcagacat tcctgcagaa aagacatatg ttgctttaca agaaggccaa agaactatgg 600
ggccttccca gcatttgact gttcattgca tagaatgaat taaatatcca gttacttgaa 660
tgggtataac gcatgaatat ttgtgtgtct gtgtgtgtgt ctgagttgtg tgattttatt 720
aggggcatct gccaattctc tcactgtggt tccttctctg actttgcctg ttcatcatct 780
aaggaggcta gatccttcgc tgacttcacc attcctcaaa cctgtaagtt tctcacttct 840
tccaaattgg ctttggctct ttcttcaacc tttccattca agagcaatct ttgctaagga 900
gtaagtgaat gtgaagagta ccaactacaa caattctaca gataattagt ggattgtgtt 960
gtttgttgag agtgaaggtt tcttggcatc tggtgcctga ttaaggcttg agtattaagt 1020
tctcagcata tctctctatt gtcttgactt gagtttgctg cattttctat gtgctgttcg 1080
tgacttggag aacttaaagt aatcgagcta tgccaacttg gggtggtaac agagtacttc 1140
ccaccacagt gttgaaaggg agagcaaagt cttatggata aaccctcctt tcttttgggg 1200
acacatggct ctcacttgag aagctcacct gtgctgaatg tccacatggt cactaaacat 1260
gttatcctta aacccccccgt atgcctgagt tgaaagggct ctctcttatt aggttttcat 1320
gggaacatga ggcagcaaat ctattgctaa gactttacca ggctcaaatc atctgaggct 1380
gatagatatt tgacttggta agacttaagt aaggctctgg ctcccagggg cataascaac 1440
agtttcttga atgtgccatc tgaraaggga gacccaggtt rtgagttttc ctttgaacac 1500
attggtcttt tctcaaagtt cctgccttgc tagactgtta gctctttgag gacagggact 1560
atgtcttatc aatcactatt attttcctgt tacctagcat gggacaagta cacaacacat 1620

atttgttcaa tgaatgaatg aatgtcttct aaaagactcc tctgattggg agaccatatc 1680
tataattggg atgtgaatca tttcttcagt ggaataagag cacaacggca caaccttcaa 1740
ggacatatta tctactatga acattttact gtgagactct ttattttgcc ttctacttgc 1800
gctgaaatga aaccaaaaca ggccgttggg ttccacaagt caatatatgt tggatgagga 1860
ttctgttgcc ttattgggaa ctgtgagact tatctggtat gagaagccag taataaacct 1920
ttgacctgtt ttaaccaatg aagattatga atatgttaat atgatgtaaa ttgctattta 1980
agtgtaaagc agttctaagt tttagtattt gggggattgg tttttattat ttttttcctt 2040
tttgaaaaat actgagggat cttttgataa agttagtaat gcatgttaga ttttagtttt 2100
gcaagcatgt tgtttttcaa atatatcaag tatagaaaaa ggtaaaacag ttaagaagga 2160
aggcaattat attattcttc tgtagttaag caaacacttg ttgagtgcct gctatgtgca 2220
cggcatgggc ccatatgtgt gaggagcttg tctaattatg taggaagcaa tagatctcgg 2280
tagttacgta ttgggcagat acttactgta tgaatgaaag aacatcacag taatcacaat 2340
atcagagctg aattatcctc agtgtagctt cttggaattc agtttctgga actagagata 2400
gagcatttat taaaaaaaac tcctgttgag actgtgtctt atgaacctct gaaacgtaca 2460
agccttcaca agtttaacta aattgggatt aatctttctg tagttatctg cataattctt 2520
gtttttcttt ccatctggct cctgggttga caatttgtgg aaacaactct attgctacta 2580
tttaaaaaaa atcagaaatc tttcccttta agctatgtta aattcaaact attcctgcta 2640
ttcctgtttt gtcaaagaat tatatttttc aaaatatgtt tatttgtttg atgggtccca 2700
ggaaacacta ataaaaacca cagagaccag cctggaaaaa aaaaaaaaaa aaaaaaaaaa 2760
aaaaaaaaaa a 2771

<210> 1479
<211> 2065
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1984)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2040)
<223> n equals a,t,g, or c

<400> 1479
gcacaatgga tgaagaagag aaggatgatg gtgaagctaa agaaatttct acacctaccc 60
attggtctaa acttgatcca aagacaatga aggtaaatga cctccgaaaa gaattagaaa 120
gtcgagctct tagttccaaa ggattaaaat cccagttaat agcccgattg acaaaacagc 180
ttaaagtaga ggaacaaaaa gaagaacaga aggagttaga gaaatctgaa aaagaagagg 240
atgaggatga tgataggaaa tctgaagacg ataaagagga agaagaaagg aaacgtcaag 300
aggaaataga acgccagcgt cgagaaagaa gatatatttt gcctgatgaa ccggccatca 360
ttgtacatcc aaattgggct gcaaaaagtg gcaagtttga ttgtagcatc atgtctttga 420
gtgtcctatt ggactacaga ttagaggata ataaagaaca ttcatttgag gtttcattgt 480
ttgcggaact tttcaacgaa atgcttcaaa gagattttgg tgtccgtata tacaaatcat 540
tactgtctct tcctgagaaa gaggacaaaa aagaaaagga taaaaaaagc aaaaaagatg 600
agagaaaaga taaaaaagaa gaaagagatg atgaaactga tgaaccaaaa cccaaacgga 660
gaaaatcagg cgatgataaa gataaaaaag aagatagaga tgaaaggaag aaagaagata 720
aaagaaaaga tgattctaaa gatgatgatg aaactgaaga agataacaat caagatgaat 780
atgaccctat ggaagcagaa gaagctgagg atgaagaaga tgatagggat gaggaagaaa 840

tgaccaaacg agatgacaaa agagatatca acagatactg caaggagagg ccctctaaag 900
ataaggaaaa agaaaagact caaatgatca caattaacag agatctgtta atggcttttg 960
kttattttga tcaaagtcat tgtggttacc ttcttgaaaa ggatttggaa gaaatacttt 1020
atactcttgg actacatctt tctcgggctc aggtaaagaa gcttcttaat aaagtagtgc 1080
tccgtgaatc ttgcttttac cggaaattaa cagacacctc aaaagatgaa gagaaccatg 1140
aagagtctga gtcattgcag gaagatatgc taggaaacag attattactt ccaacaccaa 1200
cagtaaagca ggaatcaaag gatgtggaag aaaatgttgg cctcattgtg tacaatggtg 1260
caatggtaga tgtaggaagc ctcttgcaaa aattggaaaa gagcgaaaaa gtaagagctg 1320
aggtagaaca gaagctgcag ttactagaag aaaaaacaga tgaagatgaa aaaaccatat 1380
taaatttgga gaattccaac aaaagcctct ctggtgaact cagagaagtt aaaaaggacc 1440
ttagtcagtt acaagaaaac ttaaagattt cggaaaacat gaatttacaa tttgaaaacc 1500
aaatgaataa gacaatcagr aacttwtcta cggtaatgga tgaaatccac actgttctca 1560
agaaggataa tgtaaagaat gaagacaaag atcaaaaatc caaggagaat ggtgccagtg 1620
tatgataaaa tccatgtagt gatgaggaat ggtgttaaat aatgtaatat ataaaaatca 1680
tgatataaga atgtttgaag gtgatgcatg tttgatttta gtagtataaa tgtattttag 1740
ttcaaatgat gtataaagtt ttatgaatgt gagtttctgc ttttgaaaat tgcttgtaat 1800
tcctagcctt caaattatta aacactcctt gagtgaaata attttgcatt gcaaagtgtt 1860
ttaggatgaa ctttgktata gttttaactc caataamgtt catcagttta attgactgta 1920
gtatttaatt accaaatttc ttttattaaa atgcctagaa atttttaatt tatagaatta 1980
ttanggttta aaaattttaa gtctctggtt aaaattcagt caaaatcata aaatacatgn 2040
gcttaaattt tgcaggtttt tgaac 2065

<210> 1480
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (602)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (642)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (659)
<223> n equals a,t,g, or c

<400> 1480
gaaaaacaag ctgagatcct ggaatatgca tatcatggac agatcgccat tgttgccccc 60
gaagcccttc tagcagggca caattatacg ttgaagatag agtactcggc aaatatatct 120
agttcttatt atgggtttta tggcttctcc tacacagatg aaagtaatga gaaaaagtac 180

tttgcagcaa ctcagtttga acccctggca gcaagatctg cttttccttg ttttgatgaa 240
ccagcattta aagccacttt tatcatcaag atcataaggg atgagcaata caccgcttta 300
tcaaatatgc ctaagaagtc atcagtcgtt ctagatgatg gacttgttca ggatgagttt 360
tctgagagtg tgaagatgag cacttacttg gttgctttca ttgtgggaga gatgaagaac 420
ctgagtcagg acgtaaatgg aaccctggtt tctatatatg ctgtaccaga aaagattggt 480
caagttcatt atgccttgga aacaactgtg aagcttcttg agtttttca aaactacttt 540
gaaattcagt acccacttaa gaaattggat ttggtggcta ttcctgactt tgaagcaagg 600
ancaatggaa aattgggntt ttgctcacct tccgaaaagg anacacttct gtttgacant 660
tacacttctt ccatggcgga taaaaaagct gggtgactaa aatcatttgc tcattgaact 720

<210> 1481
<211> 1167
<212> DNA
<213> Homo sapiens

<400> 1481
cggcagcgac agcggcagcg tcagcgtcag cggcgctgag ttttgtctcc cgggccgtct 60
gggcgcgcgc gggtgtccca gaatgaaata tgactgagga ctctcagaga aactttcgtt 120
cagtatatta tgagaaagtg gggtttcgtg gagttgaaga aaagaaatca ttagaaattc 180
tcctaaaaga tgaccgtctg gatactgaga aactttgtac ttttagtcag aggttccctc 240
tcccgtccat gtaccgtgca ttggtatgga aggtgcttct aggaatcttg cctccacacc 300
acgagtccca tgccaaggtg atgatgtatc gtaaggagca gtacttggat gtccttcatg 360
ccctgaaagt cgttcgcttt gttagtgatg ccacacctca ggctgaagtc tatctccgca 420
tgtatcagct ggagtctggg aagttacctc gaagtccctc ttttccactg gagccagatg 480
atgaagtgtt tcttgccata gctaaagcca tggaggaaat ggtggaagat agtgtcgact 540
gttactggat cacccgacgc tttgtgaacc aattaaatac caagtaccgg gattccttgc 600
cccagttgcc aaaagcgttt gaacaatact tgaatctgga agatggcaga ctgctgactc 660
atctgaggat gtgttccgcg gcgcccaaac ttccttatga tctctggttc aagaggtgct 720
ttgcgggatg tttgcctgaa tccagtttac agagggtttg ggataaagtt gtgagtggat 780
cctgtaagat cctagttttt gtagctgtcg aaattttatt aacctttaaa ataaaagtta 840
tggcactgaa cagtgcagag aagataacaa agtttctgga aaatattccc caggacagct 900
cagacgcgat cgtgagcaag gccattgact tgtggcacaa acactgtggg accccggtcc 960
attcaagctg aacgcacccg ctggttgtgg accgtctgcc aggcaccaca gtgagcattg 1020
tgttcttggc atgtgatctg ggaaactgat tgaataatac acttttcttg ctttggtgct 1080
caaagtggtt tttttccccc aataaaatta tttaattgaa atgcctggtg ttgctgtgtt 1140
ggcgagcagc atcttgcagt tacatag 1167

<210> 1482
<211> 2129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<400> 1482
cgaanttcgg agcgnccggt actgttgaaa gcgagacatc accagataga gataagaaaa 60
aagagcagtc agaagtatct gtttctccta gagcttcaaa acatcattat tcaagatcac 120
gatcaaggtc aagagaaaga aaacgaaagt cagataatga aggaagaaaa cacaggagcc 180
ggagcagaag caaagaggga agaagacatg aatccaaaga taaatcctct aagaaacata 240
agtctgagga acataatgac aaagaacatt cttctgataa aggaagagag cgactaaatt 300
catctgaaaa tggtgaggac aggcacaaac gcaaagaaag aaagtcatca agaggcagaa 360
gtcactcaag atctaggtct cgtgaaagac gccatcgtag tagaagcagg gagcggaaga 420
agtctcgatc caggagtagg gagcggaaga aatcgagatc cagaagcaga gagaggaaga 480
aatcgagatc cagaagcagg gaaagaaaac ggcggatcag gtctcgttcc cgctcaagat 540
caagacacag gcataggact agaagcagga gtaggacaag gagtaggagt cgagatagaa 600
agaagagaat tgaaaagccg agaagattta gcagaagttt aagccggact ccaagtccac 660
ctcccttcag aggcagaaac acagcaatgg atgcacagga agctttagct agaaggttgg 720
aaagggcaaa gaaattacaa gaacagcgag aaaaggaaat ggttgaaaaa caaaaacaac 780
aagaaatagc tgcagcagct gcagctactg gaggttctgt tctcaatgtt gctgccctgt 840
tggcatcagg aacacaagta acacctcaga tagccatggc agctcagatg gcagccctgc 900
aagctaaagc tttggcagag acaggaatag ctgttcctag ctactataac ccagccgctg 960
ttaatccaat gaaatttgct gaacaagaga aaaaaaggaa aatgctttgg cagggcaaga 1020
aagaagggga caaatcccaa tctgctgaaa tatgggaaaa attgaatttt ggaaacaagg 1080
accaaaatgt caaatttagg aaattgatgg gtattaagag tgaagatgaa gctggatgta 1140
gctcagttga tgaagaaagt tacaagactc tgaagcagca ggaagaagta tttcgaaatt 1200
tagatgctca gtatgaaatg gcaagatcac aaacccacac acaaagagga atgggtttgg 1260
gtttcacatc ttcaatgcga ggaatggatg cagtttgaaa atgatcacac ttgtaaagtt 1320
tgggacttat agacttcttg ttctgatgtc acgtccttgt tcaccaaaca gctagcactc 1380
tagcttgcat gggtgttgca ttgactttaa tttattgaaa aatacaaatt tttgtaaata 1440
tcagatcagt gatactggtg ttagtgttgt aatcaggtta aacccacttc cattaaactt 1500
gacaggacta tagaaggata atatttttta gttcatgaat tctacttttc aaatatataa 1560
aagctgcagg tggggataaa atctcataca tggatttttt cgtgtccgct gtcttgtgta 1620
cttttgtact taaccttgta cagttatttt catctcttga aacatgaaag aaatgttatg 1680
tagatgttct ttagaagatc tggccatttg gtacataatc cagcacagat aagctgggtg 1740
gtaatgataa taaaaatggt tttctcaaaa ctggtgttaa tttaagttac ctgggatgtt 1800
tctttgaatt tgttttatag tttctgtagc atttggcaat tgctgttaga aaacactagc 1860
tagaaatccc ctccccacca ccctttttaa ggccagttaa ctatactaca gtcaataccg 1920
tggtgagcaa aaatgtaaaa ggtggaagga gaaaacttat taaaatagta tgttttccta 1980
ttataaggga cagacttggt attcagtatt tgtcaaatat tacatgtgtt attcaggaga 2040
tagattaatg cattaaaggg atgtaagcac ttttatttta ataaagtgcc ttataacaaa 2100
aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 2129

<210> 1483
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<400> 1483
ggtcgaattc cgggtcgacc acgcgtccgt ttgcttgtna ctatttttca ttgaagcatg 60

cgcttaccta tgctgattct tactaaaagc ataggctggg gtatttattg gcgaaaggaa 120
atgtgtagtg tgggctggac tgttggtgga ggctggcttt ttagcccact tgctatacat 180
gctgccaatg gatttaagac ttgaaatgtt gaaagttgag tggaattatt tccctcctaa 240
aacatttatt tacagtactc ctctctaccc ctaaggttgg gctctgcctc agaggagtga 300
gttttttttt ttttttctat aaagtttaca ttgtcttact atttattgar tgaatytctg 360
gtcattgcct atgcaaatat aakaaatctg gctttaaata ttagtcagtt tcatggctat 420
gactagattg ktttcttgka taactaaata cctgkataaa atgaactaat gttttctctc 480
ccctccctac cccttcctaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 533

<210> 1484
<211> 901
<212> DNA
<213> Homo sapiens

<400> 1484
tcgacccacg cgtccgaaac aaaacaaaac aaaacaaaaa cttgaaagac tgcccaagaa 60
aggtgaaggt tagatctcag gggatgatct tgaagcaact gagacagacc tagaaacttg 120
cctcatatga tacaagaaga cccagcttct ttgtctctac cctgtaggca ctgggtagac 180
aggtaggtga tattttactt cacaaacaag ggaactaaaa gtatgaacat ttctctgttc 240
ctcattatct ctgccctaaa atattttggc tatctagccc cagttagagc ggactggcac 300
tgtctggtac aggaggtatg cagcagatgt tctgcatctg agctccatta tgactgtccc 360
ccaacaaatc atcccccagc cagcccaagg gaacgtggaa ttcagagggg aactgttcta 420
accaggagca gccaattaga tccaggccag agaaacccat atccaggcac tttatctttg 480
tcctaaaatg aacctagcta acctcttcag gctatccaaa accctgacca ctccacatag 540
agagacattt gctagcctta catgtcactt tccactgtac acataccaat gacacctgaa 600
ccagatataa agacagaccc acaaaggttc tgctgagcct aaggatctgc tcacctattt 660
ctgatcccga atgcccctgg gacatcttcc agaatgtgtg cctccaaata aagtctagaa 720
aattggagga aaatttaaat gcagatgaat cgagaaggaa taaaagccat tagaaattct 780
gggaaaacaa gaaatataga agaaagtcac ggggctgggt gtggtagctc acgcctgtaa 840
tcccagctac tcaggaggct gagcaggaga atcgcttgaa ctggarargt ggaggktgtg 900
a 901

<210> 1485
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (691)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (746)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (762)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (772)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (780)
<223> n equals a,t,g, or c

<400> 1485
ccccccagcc tcactaaagg gaacaaaagc tggtgctcca ccgcggtggc ggccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgtt ttcccctgtt ccttggagtc 120
agtattttga gtccatggaa gatgtagaag tagagaattg cttggacccg ggaggcaaag 180
gttgcagtga gtggagatca tgcatgccac tgcactccag cctgggcgac aagagcaaga 240
ttctgtctca aacaaaacaa aacaaaacaa acaaaaaact tttaaccagg attttttaaa 300
aaaatagtaa actctaccta acacagtatt tctcatttta accatgtgga aatgaacagt 360
tcagtggcat taattacatt cacaaggctg tggaccacac cactatctat accccaactt 420
tttcatcatc cccagcaaga actctgtacc cattaagcaa taactcctgc ctgcgtcccc 480
aagctctatt ctgcttttgg tctctgaatt tgcctatttt aggtagctca taggtggaat 540
cctacaatat ttattttgtg tctggcttat ttcgtttagc ataatgcttt caagtccatc 600
catgttgtaa gtgtgtatca aaattctgtt ccattttatg gctgaatatt ttattaaatg 660
catattccat attttggtta gccattctcc ngaacggaca tctggggttt gcttccacct 720
tttgacgaat ggtgaataaa gccggnatga ccatgggtgt anagccaatc antccattcn 780
tt 782

<210> 1486
<211> 891
<212> DNA
<213> Homo sapiens

<400> 1486
gaattcggca cgagccttga gctagcattt cattatgacc gtgattttyc cccgcaccac 60
tttccagcct tgtggtccac aattccactg ggccttaagt atgtactgaa ctttcctgcc 120
tccctcattt tgctctgctt gtgcaatttt ttccaccctc catctctgtc aaacgtaagc 180
cttcctgacc tctaagacct acctttgtca tgtaccttta ccctcaggca aggagcaatc 240
tcttctcttc ctcttctacc ttgctgtagc ttctccccaa ggatttatca cattctgcct 300
tgaatcatag ggaacagcat gtgtagtgga atgaacacag gcctctgaat ccaagatacg 360
agtttaaatc ccagctttgg aggtggttac ttaaagtctc agtgccttca ttcttctycc 420
tatataaagt agatattaca atatctaact tacagagtca ttgggagcta tacatgcagc 480
gattgggtaa agcacctggc acatggcaag cgattagcaa atgctggtta cttctacttc 540
tttctcttcc cttttcccag tctatcataa tttccttgar arcaggcacc atgtcttatt 600
tacccttgta tttcccacag tacttcccat agtgarttac ccttagtaaa tacycagtaa 660
gttgaattga atttaaatta mctgtaagtc ttaaaatgtg ggattaaatt aagaatatat 720
tgtcctggaa atacccaagt gtctattgat ggatgaatgg ataaacaaaa tgtggtatac 780
acataatgga atattattca gccttaaaaa ggaatgaaat tctgacatgt gctacaatat 840
gatgaacctg gaagacatta tatgtgaaat aagccagaca gaaaaggaca a 891

<210> 1487
<211> 1181

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<400> 1487
gcgaaaaata ccgtttggga ccaggctggc ctagacccag ggatgagaat gcaccctaaa 60
ataaatatac gggaagcagc agagggcttc cctgtctagt gtgtgatcct aactaaaggc 120
agctctcttg gacagccttc ccctggatta ggtcacatac acctggtggc caagcctctg 180
ctgggtccca aatacacacc cgagtcctgc caaagaaagg agatttttaa aaagcacaga 240
caaattgtat gcaagtggaa aatacccata ggcctagaca gctgtggagg gaagacctcg 300
tgggtacctg gaggctgcca gagctgggag ctctgcaggt atgagtcagg gaaggctcag 360
agacaagcag aatctctcta tggagacaac ttgcagtgcc ttttaggttt tccaaataac 420
ctcggagttc agagcattgg gtttttttct ccccctcccca cccccagaaa aataattaga 480
aaaatgttta ggagaaagga aaagaattag atgcatcaga ataccagcta taagccaaca 540
ctgtttccag aaactcaaga aaaagctcaa acagaagaca gttcccctga gaggctggag 600
gcgttggtgc tgaaggnaat tttcctagct aaggggcact gggccttgct gcaccttggg 660
gctgaccttt tttgcaaaac acccaccccc gccctcctgg catactcaac agcaacgcca 720
gctttctgga cccttggaaa gatgttagct caaacaccca ctttttccag atcttcctct 780
tgctcttcac tgaggaattt gtaattctga ggctagcgat gccsactcgg atattccgca 840
gcccaggtgt ttagattaga atttgtccag cggtaatcct gatgctggaa accaacaaac 900
atttggcctc atattcaccc atttaaaaac tagagcccct ggcaggtccc cttagggcca 960
tgtgttcatg gaatataagc caagtttgcc ytargctkgt tcatggaata taagccaagt 1020
ttacctctcc ccattttctg ccctggccca cttcccactc acctccacct yattgccmgg 1080
aagggatcaa aakgcctcca tgccarttgt taakggctac atatttgccc ttcccaaggg 1140
tatttgcatt tattaggaac aggccttaaa ttcaaggaaa a 1181

<210> 1488
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 1488
gtgcgagtcc aagaagtggt gaaagaaaat gaagaattgc accaagagtt aaataagagt 60
agtgctgtta ccagtgagga atggcgtcag cttcagactc awgcaaaact ggttttagag 120
gaaaacaagt tgttgctgga gcagttggag attcagcaaa ggaaagccaa ggacagccac 180
caggagcgcc tccaagaagt ttctaagctg actaaacaac taatgctcct ggaggcaaaa 240
acccacggcc aggaaaagga gctggcggag aacagggaac agctggagat tttacgtgcc 300
aaatgccaag aactcaaaac acactcggat ggcaaaatcg cagtggaagt tcataaatca 360
attgtgaatg aattaaaaag ccaattacag aaggaagaag anaaagaaag ggctgagatg 420
gaggagttga tggagaagct gacagtcctg caagcgcaga agaagagcct gctgttanag 480
aanaacattt tgacagagca naacn 505

<210> 1489
<211> 651
<212> DNA
<213> Homo sapiens

<400> 1489
gaattcggca cgaggtggtg ggaggctccg gcggggtcta cgccctgtgc tcggcacacc 60
tggccaacgt tgtcatgaac tgggctggga tgagatgtcc ctacaagttg ctgaggatgg 120
tgctggcctt ggtgtgcatg agctccgagg tgggccgggc cgtgtggctg cgcttctccc 180
cgccgctgcc cgcctcgggc ccacagccca gcttcatggc gcacctggca ggcgcggtgg 240
tgggggtgag catgggcctg accatcctgc ggagctacga ggagcgcctg cgggaccagt 300
gcggctggtg ggtggtgctg ctggcctacg gcaccttcct gctcttcgcc gtcttctgga 360
acgtcttcgc ctacgacctg ctgggcgccc acatcccccc accgccctga ccggctacct 420
gaggctgcac aggccagggc tcgggcatgt ggtggccgcc accaggggcc ttcacgtctg 480
ccctttgtga acggacgtct cagggctgct gtgccccttg ggtgtgggtg gcctcaaagg 540
aggccctgtc ccagccaccc acccccccact cccaggactt gcggtmtgag ccttttttgga 600
taattaataa atattttacm cagcaccaaa aaaaaaaaaa aaaaaaaaaa c 651

<210> 1490
<211> 2968
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2961)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2964)

<223> n equals a,t,g, or c

<400> 1490
aattcggcac gagatcctct ggctgctctg ctcccaccgc ccggcccccg gcaggccccc 60
cacccacaat gcacacaact ggaggctcgg ccaggcgccc gccarctggt acaatgacac 120
ctacccccctg tctcccccac aaaggacacc ggctgggatt cggtatcgaa tcgcagttat 180
cgcagacctg gacacagagt caagggccca agaggaaaac acctggttca gttacctgaa 240
aaagggctac ctgaccctgt cagacagtgg ggacaaggtg gccgtggaat gggacaaaga 300
ccatggggtc ctggagtccc acctggcgga gaaggggaga ggcatggagc tatccgacct 360
gattgttttc aatgggaaac tctactccgt ggatgaccgg acgggggtcg tctaccagat 420
cgaaggcagc aaagccgtgc cctgggtgat tctktccgac ggcgacggca ccgtggagaa 480
aggcttcaag gccgaatggc tggcagtgaa ggacgagcgt ctgtacgtgg gcggcctggg 540
caaggagtgg acgaccacta cgggtgatgt ggtgaacgag aacccggagt gggtgaaggt 600
ggtgggctac aagggcagcg tggaccacga gaactgggtg tccaactaca acgccctgcg 660
ggctgctgcc ggcatccagc cgccaggcta cctcatccat gagtctgcct gctggagtga 720
cacgctgcag cgctggttct tcctgccgcg ccgcgccagc caggagcgct acagcgagaa 780
ggacgacgag cgcaagggcg ccaacctgct gctgagcgcc tcccctgact tcggcgacat 840
cgctgtgagc cacgtcgggg cggtggtccc cactcacggc ttctcgtcct tcaagttcat 900
ccccaacacc gacgaccaga tcattgtggc cctcaaatcc gaggaggaca gcggcagagt 960
cgcctcctac atcatggcct tcacgctgga cgggcgcttc ctgttgccgg agaccaagat 1020
cggaagcgtg aaatacgaag gcatcgagtt catttaactc aaaacggaaa cactgagcaa 1080
ggccatcagg actcagcttt tataaaaaca agaggagtgc acttttgttt tgttttgttc 1140
tttttggaac tgtgcctggg ttggaggtct ggacagggag cccagtcccg ggccccatag 1200
tggtgcgggc actggacccc cgggccccac ggaggccgcg gtctgaactg ctttccatgc 1260
tgccatctgg tggtgatttc ggtcacttca ggcattgact caaggcctgc ctaactggct 1320
gggtcgtttc ttccatccga cctcgtttct tttctttcct atgttctttt gttcagtgaa 1380
tatccctaga gctcctacca tatgtcaggc cctatgcctc accctgagaa cgcagtgagc 1440
atgaggtgga cctgtttgct gggaacccca ggtcaccccc ttttcttcct actctgtgcc 1500
tggagcatca tgtccacccc tgcagatcct tggaaaagaa aatgtttatg ttgcagggta 1560
ttgcatggtc acgagtgagg gcaggcccct ggggacacat ctgcccacag ctgcacaggc 1620
cagggcgcag gcacatctgt tggttctcag gcctcagata aaaccatctc cgcatcatat 1680
ggccagtgac cgctttctcc cttcaagaaa attctgtggc tgtgcagtac tttgaagttt 1740
taattattaa cctgctttaa ttaaagcagt ttcctttctt ataaagtgga atcaccaaat 1800
cttatcacac agagcacagt cctgtagtta cccagcccgc tccagcagtg cgggagattg 1860
taaggaagcg gtggcggctg gtgaagcaag tctcacatgt cggcgttctt ggccaatgga 1920
tacaaagata aagaaaatgt tgccttttc taggaactgt cagaaatcct catgcctttc 1980
aagacttctg tgaatgactt gaatttttta ttccctgcct agggtctgtg aacgaggcct 2040
gtctcttccc tggggtttct ttccatggcc tttatttctc ctcttccagt gggagttttg 2100
caggctcttc tctgtggaaa cttcacgagc gttggctggg cctcggcttc gctggagtgt 2160
actccagggt gaaggcagag tgggatttga gacccaggtt aggcacgacc caggctgaga 2220
agggacgttt ccatcattca cagtgccctc cccacagcac tacctcaccc cgacccccac 2280
cctcactcct accccacccc gcgatcgtca ggggtgccac ggtgggccgg agggtgccgg 2340
ctctggctgt ccctgtgccg gtccctcaca aacctctccc cctttgaaac tcaagcacag 2400
ctgcgaggag ggcagcgagg agggacccct ctctcatggt tgtctctttc ccccgctatg 2460
tcataggtag tggaggaagc gaaggaagtg aacgctgaat gtgacgcatt tctgaagagc 2520
tcagctgtca ccgggcatag cctggaagcc ccaagtctgt tctgactttg cctggctgtc 2580
tccttgaccc gcctcctaga tcattgtcct tgatgtccag gctgggtcat ttaaaataga 2640
gatgcaatca ggaaggttgg gggacttggg actgtggctg aattgagacc ttgctgatgt 2700
attcatgtca gcacctgagt cacagcccag gtgcccggaa gcagcctctt cgcataggca 2760
gtgatttgcg attactttaa agctcacctt ttttcttccc ctctctgttc gctgctgtca 2820
gcataatgat tgtgttcctt ccctatggga tccatctgtt ttgtaaacaa taaagcgtct 2880

gagggagtgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2940
aaaaacaaaa aaaaaaaaaa nagnagag 2968

<210> 1491
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<400> 1491
atctttaata ccaggaaatt ttagaaatac agtgaaacac agatctttta aataaatatt 60
tccccatttg aattgttccc tagagtttac acagttgtac cttattacca gtttaaatgg 120
atatctcagt taataatttt caatagtgaa actatcaaat atcagagatt tacttccttt 180
tagttactat gaaaagcaca tttactttgg agagcaactg taatacacct aaaattagag 240
caaccaaagg catgtatgga gcatttttta atttaaaaaa ttgcattttg tttctcatac 300
cttatttaaa acattaagaa gtaaatgtct ttagtttttg agtacatttt tatatgaata 360
ggaaacatgc tgntttcata atccagkctt ttgatgtgtg tgaaatgaat ttgtgtggag 420
cgttatgtga atttttatga acttatcttt tattggtgat ctanaaatgc ttgggatacc 480
taanaattcc agacctcagt ttcttatggg ggataacaat ggatttggn 529

<210> 1492
<211> 1225
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 1492
gtgcactcta acgatctctt tgccatcttg ttttaatctg acagttctca gacatagana 60

aaaaaggtaa ctcatgcatg tactaccttt tttctctatg tctgagaact gtcagattaa 120
aacaagatgg caaagagatc gttagagtgc acaacaaaat cactatccca ttagacacat 180
catcaaaagc ttatttttat tcttgcactg gaaggaatcg taagtcaact gtttcttgac 240
catggcagtg ttctggctcc aaatggtagt gattccaaat aatggttctg ttaacacttt 300
ggcagaaaat gccagctcag atattttgag atactaagga ttatctttgg acatgtactg 360
cagcttcttg tctctgtttt ggattactgg aatacccatg ggccctctca agagtgctgg 420
acttctagga cattaagatg attgtcagta cattaaactt ttcaatccca ttatgcaatc 480
ttgtttgtaa atgtaaactt ctaaaaatat ggttaataac attcaacctg tttattacaa 540
cttaaaagga acttcagtga atttgttttt atttttaac aagatttgtg aactgaatat 600
catgaaccat gttttgatac ccctttttca cgttgtgcca acggaatagg gtgtttgata 660
tttcttcata tgttaaggag atgcttcaaa atgtcaattg ctttaaactt aaattacctc 720
tcaagagacc aaggtacatt tacctcattg tgtatataat gtttaatatt tgtcagagca 780
ttctccaggt ttgcagtttt atttctataa agtatgggta ttatgttgct cagttactca 840
aatggtactg tattgtttat atttgtaccc caaataacat cgtctgtact ttctgttttc 900
tgtattgtat ttgtgcagga ttctttaggc tttatcagtg taatctctgc cttttaagat 960
atgtacagaa aatgtccata taaatttcca ttgaagtcga atgatactga gaagcctgta 1020
aagaggagaa aaaaacataa gctgtgtttc cccataagtt tttttaaatt gtatattgta 1080
tttgtagtaa tattccaaaa gaatgtaaat aggaaataga agagtgatgc ttatgttaag 1140
tcctaacact acagtagaag aatggaagca gtgcaaataa attacatttt tcccaaaaaa 1200
aaaaaaaaaa aaaaaaaggg cggcc 1225

<210> 1493
<211> 2298
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2291)
<223> n equals a,t,g, or c

<400> 1493
gaattcggca cgagccactg ggacatgtcg ctgccgctca tcgtgactct gagcactatc 60
tccatcatcc tcctagcggc catgatcacc atcgccgtca agtgcaagcg cgagaacaag 120
gagatccgca cttacaactg ccgcatcgcc gagtacagcc acccgcagct gggtgggggc 180
aagggcaaga agaagaagat caacaaaaat gatatcatgc tggtgcagag cgaagtggag 240
gagaggaacg ccatgaacgt catgaacgtg gtgagcagcc cctccctggc cacctccccc 300
atgtacttcg actaccagac ccgcctgccc ctcagctcgc cccggtcgga ggtgatgtat 360
ctcaaaccgg cctccaacaa cctgactgtc cctcaggggc acgcgggctg ccacaccagc 420
ttcaccggac aagggactaa tgcaagcgag acccctgcca ctcggatgtc cataattcag 480
acagacaatt ttcccgcaga gcccaattac atgggcagca ggcagcagtt tgttcaaagt 540
akctccacgt ttaaggaccc agaaagacca gcctgagaga cagtgggcac ggggacagtg 600
atcaggctga cagtgaccaa gacactaaca aaggctcctg ctgtgacatg tctgttaggg 660
aggcactcaa gatgaaaact acttcaacta aaagccaacc acttgaacaa gaaccagaag 720
agtgtgttaa ttgcacagat gaatgccgag tgcttggtca ttctgacagg tgctggatgc 780
cacagttccc tgcagccaat caggctgaaa atgcagatta ccgcacaaat ctctttgtac 840
ctacagttga agctaatgtt gagactgaga cttacgaaac tgtgaatccc actgggaaaa 900
agacttttg tacatttgga aaagacaagc gagagcacac tattctcatt gccaacgtta 960
aaccttattt aaaagccaaa cgtgccctga gccctctcct ccaagaggtc ccctcagcat 1020
caagcagccc aaccaaggcg tgcatcgagc cttgcacctc aacaaaaggc tccctggatg 1080
gctgtgaagc aaaaccagga gccctggctg aagcaagcag tcagtacttg cccactgaca 1140

gtcaatatct gtcacctagt aagcaaccaa gagaccctcc cttcatggct tccgatcaga 1200
tggcaagggt ctttgcagat gtgcattcca gagccagccg ggattccagt gagatgggtg 1260
ctgttcttga gcagcttgac caccccaaca gggatctggg cagagagtct gtggatgcag 1320
aggaagttgt gagagaaatt gataagcttt tgcaagactg ccggggaaac gaccctgtgg 1380
ctgtgagaaa gtgaaaaaar aaaaaaaaaa aggcattggc attttcttgt ctcttctgtt 1440
gatttaaaaa tgatccctcc tggtgataac mcattttaca gggatgaaga aagaccaatg 1500
ctgctttaag gcttttagtg aacatctgaa gtgcccacaa gtatgttctt tccactgctg 1560
atttcttttt cagagataac aatggtttcg ttttgaccaa acttgtatta ggacagaatt 1620
aatgatgctt aaagagaaaa gaaaaaaara gagaagaaaa aggagagatg aaaaaggagg 1680
atgaggagaa gaattacctt ttgacaatct gttaggaagg tatgcagtgt gagaactgaa 1740
gtatttctga tcactctcag actgtcctcc gtgatttatg ctgacttaac tgtttaccta 1800
taaaccccat acaaagcagg gtcataattt gtgatctgtg gtggatttct agcagtcatc 1860
acaggcttct actgaaagtc ctgaaaagac cttgcagtag tccaagctac accaaacatt 1920
aacacatatt tgtggtaaac atttctgtat aaagttacct gacacacata taaacacaag 1980
gaacattcca tatcattagt cgaaaacaaa aacaaaaaaa aaaccttygg tcatttgtaa 2040
kacatctcat gtcatataaa agttaaatgt aaaaagatac agtccatttt gtcctgcaca 2100
cacgtagact aattcacgtc attaaagaag aagaaaactt aaagatttaa aatgcctatt 2160
tagcatttta gtgtccaaca aagatttaaa caatgatgaa tatgttttaa atttgacata 2220
gaaaagttct aaaaaatagt taccattgag tggtaagatt cagagaaaat taacttgatt 2280
aatatgtttt naaaaaaa 2298

<210> 1494
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 1494
aganacccan ccctcactaa agggaacaaa agctggagct ccaccgcggt gacgaccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gngcccccgc gagccgctcg 120
agaactccgc cagcgagtcg tctgacacgg agctgccaga gaaggagcgc ggcggcggaa 180
cccaaggggc ccgaggacag tggtgcggga ggcacgggct gcggcggcgc agacgaccca 240
gccaagaaga agaagcagcg gcggcaacgt acgcacttca caakccagca gttgcaagag 300
ctagaggcca cgttccagag gaaccgctac cccgacatga gcatgaggga ggagatcgcc 360
gtgtggacca acctcaccga gccgcgcgt 389

<210> 1495

<211> 1400
<212> DNA
<213> Homo sapiens

<400> 1495
ctctggagcc accagcagaa cctcttcaat atcttgcatg ttacagattt cactgctccc 60
accagcttgg agacaacatg tggttcttga caactctgct cctttgggtt ccagttgatg 120
ggcaagtgga caccacaaag gcagtgatca ctttgcagcc tccatgggtc agcgtgttcc 180
aagaggaaac cgtaaccttg cactgtgagg tgctccatct gcctgggagc agctctacac 240
agtggtttct caatggcaca gccactcaga cctcgacccc cagctacaga atcacctctg 300
ccagtgtcaa tgacagtggt gaatacaggt gccagagagg tctctcaggg cgaagtgacc 360
ccatacagct ggaaatccac agaggctggc tactactgca ggtctccagc agagtcttca 420
cggaaggaga acctctggcc ttgaggtgtc atgcgtggaa ggataagctg gtgtacaatg 480
tgctttacta tcgaaatggc aaagccttta agtttttcca ctggaattct aacctcacca 540
ttctgaaaac caacataagt cacaatggca cctaccattg ctcaggcatg ggaaagcatc 600
gctacacatc agcaggaata tcwrtcactg tgaaagagct atttccagct ccagtgctga 660
atgcatctgt gacatcccca ctcctggagg ggaatctggt caccctgagc tgtgaaacaa 720
agttgctctt gcagaggcct ggtttgcagc tttacttctc cttctacatg ggcagcaaga 780
ccctgcgagg caggaacaca tcctctgaat accaaatact aactgctaga agagaagact 840
ctgggttata ctggtgcgag gctgccacag aggatggaaa tgtccttaag cgcagccctg 900
agttggagct tcaagtgctt ggcctccagt taccaactcc tgtctggttt catgtccttt 960
tctatctggc agtgggaata atgtttttag tgaacactgt tctctgggtg acaatacgta 1020
aagaactgaa aagaaagaaa aagtggratt tagaaatctc tttggattct ggtcatgaga 1080
agaaggtaat ttccagcctt caagaagaca gacatttaga agaagagctg aaatgtcagg 1140
aacaaaaaga agaacagctg caggaagggg tgcaccggaa ggarccccag ggggccacgt 1200
agcagcggct cagtgggtgg ccatcgatct ggaccgtccc ctgcccactt gctccccgtg 1260
agcactgcgt acaaacatcc aaaagttcaa caacaccaga actgtgtgtc tcatggtatg 1320
taactcttaa agcaaataaa tgaactgact tcaactggga aaaaaaaaaa aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa 1400

<210> 1496
<211> 1484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 1496
caggcgacag agctgagcca agcgtttact gggcagctgt tacgctcaga ttccaaatga 60
waatgtttga gagcgctgac tctacagcca caagatctgg ccaggatctc tgggctgaaa 120
tttgttcctg tctgccaaat cctgaacaag aagatggtgc caacaatgca ttctcagact 180
cctttgtgga ttcttgccct gaaggtgaag gccagaggga ggtggctgac tttgctgtcc 240
agccagctgt aaagccttgg gctcccttgc aggattcaga agtgtattta gcatctctag 300
agaagaagct aagaagaatc aaaggtttaa atcaggaagt gacttccaag gacatgcttc 360
gaactctggc ccaagccaag aaggaatgct gggatcggtt cctccaggag aagttagctt 420
cagagttctt tgtggatgga cttgattctg atgagagcac cttnggaaca tttcaagagg 480
tggctccagc cagataaagt agccgtcagc acagaggagg tccagtatct gattcctcca 540
gagtcacagg ttgagaagcc agtggccgag gacgagccag cagccgggga caagccagca 600

gcagcagaac agtaaattac acacacacac acacacacac acacgccgag cagctgtctc 660
gggtccagag cgagcagcgt ggagctcagt gacagcagca gggagaaatc cactgaagga 720
aaaaacccaa atttccactc cacaaagaaa acagctgcaa gcccccaggg acttacctgg 780
ggctggcatg tgtgactgtc tcggatgaag tgactgaccc agtgcacact ggatcaaaat 840
gctgctttcc tctgtgtctc acagcttggc tgagctctgt ctctgcaggt tagaagtctg 900
ctaaagatca aatgtgaaag tacttggaga aactgaggcc tcttatgtgt aatgtgtaag 960
ttaagtgagc catatatttt cttgcctctt ccggacattc atgcttgtgt cccaagcatt 1020
cccttggtga attgtcacgt gagtggggcc agtaagagtg aagtctgctc cttgaatcca 1080
agccccatct ggggcttctc taacaaatct gtagtaagta tacggactcc agggagagag 1140
gctgggcttc tytctctcat ttgttccttg tggaacaaat gggcaaaaga agtgtgaaaa 1200
tgtgggtgtt tatgtctgtg tatatgtatt ttttacttca tgcatggctt ctcctccaac 1260
ttcctcctgc acttaaaaag ggccaggttc caaattagac ttgtaaatat ggtgttagtg 1320
tttgacacta ctcctggata gttccaaaca tcttccttgt ggcaggtttc ctggctgagc 1380
ccgagcttcc ctccctgttt attgtgttca tgatcagtat gtgtttccat ataaaacttt 1440
tctcaacgga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1484

<210> 1497
<211> 2192
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2190)
<223> n equals a,t,g, or c

<400> 1497
gcccgatttc ctccgggcta caggcgacag agctgagcca agcgtttact gggcagctgt 60
tacgctcaga ttccaaatga aaatgtttga gagcgctgac tctacagcca caagatctgg 120
ccaggatctc tgggctgaaa tttgttcctg tctgccaaat cctgaacaag aagatggtgc 180
caacaatgca ttctcagact cctttgtgga ttcttgccct gaaggtgaag gccagaggga 240
ggtggctgac tttgctgtcc agccagctgt aaagccttgg gctcccttgc aggattcaga 300
agtgtattta gcatctctag ccattttatt ttaaaaatat ttcctgactt cggatgtggc 360
ttgagctgta ggcgcggagg gccggagacg ctgcagaccc gcgacccgga gcagctcgga 420
ggcggtgaat aatagctctt caagtctgca ataaaaaatg gcctccaaca aaactacatt 480
gcaaaaaatg ggaaaaaaac agaatggaaa gagtaaaaaa gttgaagagg cagagcctga 540
agaatttgtc gtggaaaaag tactagatcg acgtgtagtg aatgggaaag tggaatattt 600
cctgaagtgg aagggattta cagatgctga caatacttgg gaacctgaag aaaatttaga 660
ttgtccagaa ttgattgaag cgtttcttaa ctctcagaaa gctggcaaag aaaaagatgg 720
tacaaaaaga aaatctttat ctgacagtga atctgatgac agcaaatcaa agaagaaaag 780
agatgctgct gacaaaccaa gaggatttgc cagaggtctt gatcctgaaa gaataattgg 840
tgccacagac agcagtggag aattgatgtt tctcatgaaa tggaaagatt cagatgaggc 900
agacttggtg ctggcgaaag aggcaaatat gaagtgtcct caaattgtaa ttgcttttta 960
tgaagagaga ctaacttggc attcttgtcc agaagatgaa gctcaataat tgttcacatt 1020
gttcttttat atatatttat atatatatat aaaaattggg tcttagattt tgatttacta 1080
gtgtgacaaa ataactacat cctaatgaaa atcaagtttg atatgtttgt tttgaaagta 1140

gcgttggaag agttgttggg ggtttttttgc atccatagca ctggttactt tgaacaaata 1200
aataaaagct ttctgtagtt gcttccttta tcagaaaaga acatttgata ccatggtata 1260
tcatttcctc ttcattaaag aacagctttt ctaaatgttg ggggaaatgt ccatagtcat 1320
tactcagtca aaacttgtgt tctcatgagc ctaaggacca ttctagattt attacgtgtt 1380
ttttgtgtgt gtgtgtgtgt gtgtgtgtgt atccataaaa tgcatatgta aatttttttt 1440
tgtttttaag cattcaccca aacaaaaaaa tcacaggtaa acccatgttt ctgagatgcc 1500
attattccaa gcaaaataag agataatccc ttcaagttaa attgaaaatt ttcctgaaac 1560
catacatttc aagtgaaata agtaattcta gataggacaa tttaaattgg ataattttaa 1620
agtgtctata attgcagtgg tttatttgca aaattcctaa aaggaaaaat tttatcactg 1680
ccatcacagc aggtttcctc atccagatga ggaaactaga caaatgctag tgtgttttaa 1740
ctagctaaac aaaactaagt taaatgaaca tttaaaagtt tcgctagcgg gccattcctt 1800
agcaaaatgt tggaatccct gttgctacat tgactaaaag gtcatgatga atggaatatg 1860
taagacttgg ctcatagaaa cctaatcaga tggttagagg tgttggcagt ttaggacctg 1920
ctgtcataaa tgtgtgaaca acctttttgta acctaaccta ttgacctgca tgtttttttct 1980
ttaccccaat tcattacatg gaggctcaat cttgagtttg ctttactggt tcagcaaaag 2040
ccaggaagaa caactttgta gtaatcaaaa tgttatccaa ctgtatattg tttactttat 2100
tgtaaatact ggtgaacagt ggttaataaa tagttttata ttcctttatg caaaaaaaaa 2160
aaaaaaaaaa cctnggggggg ggccccggan cc 2192

<210> 1498
<211> 685
<212> DNA
<213> Homo sapiens

<400> 1498
gggaaagctg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc cacgcgtccg 60
gtaaaaagtg actgaggaca caagcagtgt tctgcgttcc ccgatgcccg gagtggtggt 120
ggccgtctct gtcaagcctg gagacgcggt agcagaaggt caagaaattt gtgtgattga 180
agccatgaaa atgcagaata gtatgacagc tgggaaaact ggcacggtga aatctgtgca 240
ctgtcaagct ggagacacag ttggagaagg ggatctgctc gtggagctgg aatgaaggat 300
ttataacctt tcagtcatca cccaatttaa ttagccattt gcatgatgct ttcacacaca 360
attgattcaa gcattataca ggaacacccc tgtgcagcta cgtttacgtc gtcatttatt 420
ccacagagtc aagaccaata ttctgccaaa aaatcaccaa tggaaatttt cattgatata 480
aatacttgta catatgattt gtacttctgc tgtgagattc cctagtgtca aaattaaatc 540
aataaaactg agcatttgtc taaatattag tttgcccttt ctttgaatga agacaatgta 600
cacataggcg accaggtctg ccagtagact accagcattt ctttgtgatc cttttaagag 660
attgatataa atgtcagtca gttct 685

<210> 1499
<211> 1049
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1027)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1046)

<223> n equals a,t,g, or c

<400> 1499
gctgagggat ttcatcaaca ctagactggt cccataagaa acgyttaagg gagtactttg 60
gtcagaaaga aacagacatt aatgagcaac aaagaatcat ctaaaggtaa aaaactcact 120
gttaagagta agtacacaga aaaacccaaa gtgtgataac attgtaactg tggtgtgtaa 180
gtagaaagaa taaatgataa accaatcaaa aatagtaact acaacttttc aagaccagtc 240
agaaaaataa gataaaatta gaaacaacaa aaagttaaaa agtgggggga tgaagttaag 300
atgtagagtt tttattagtt ttttgtttgt taatgcaaac agtgttacca ggttaaaata 360
atgggttaca aaatagtatt tgtaatcctt atggtaacct caaacctaaa aacatacact 420
ggatacataa aaaataaaaa gcaaaaacct aaatcatatc accagagcaa actaccttcc 480
ctaaaggaag acaggaagaa aagaaagaag aagaccmcaa amcaaccaga aaacaaataa 540
atwacaaggc aggagtaagt ctttacttat cgataataca ttgaatggma atatggacta 600
aactctccaa tcaaaagaca tagactggct gaatgaatgg agaaaacaag acccattgat 660
ctgttgccta caagaaacac acttaaacta taaagacaca cataggctga aagtaaagag 720
ttggaaagag ttattccatg ccaatggaaa ccaggaaaaa gagaaggagt attgattttg 780
atacaaaaac tatgagacaa ataaagtcac tatacaatga waaaggggtt aatatggttt 840
ccatttgtgc cccacccaaa tttcgtgttc tattgtaatc ctcaatgttg gaggtggggc 900
ctggtgggac gtgattggat catgggggtg gatctttcat gactaattca gcaccatctt 960
cttagtgctg ttctcatgat agtgagtcct ctgaatctgg ttgcctaaag tgtgtagccc 1020
tctccanacc acccgcttgc cttggncac 1049

<210> 1500
<211> 1018
<212> DNA
<213> Homo sapiens

<400> 1500
cgacagaagg gtacggctgc gagaagacga cagmaggggc tcctcgccag cagccgtccg 60
gagccagcca acgagcggaa aatggcagac aatttttcgc tccatgatgc gttatctggg 120
tctggaaacc caaaccctca aggatggcct ggcgcatggg ggaaccagcc tgctggggca 180
gggggctacc caggggcttc ctatcctggg gcctaccccg ggcaggcacc cccaggggct 240
tatcctggac aggcacctcc aggcgcctac cmtggagcac ctggagctta tcccggagca 300
cctgcacctg gagtctaccc agggccaccc agcggccctg gggcctaccc atcttctgga 360
cagccaagtg ccmccggagc ctaccctgcc actggccccc atggcgcccc tgctgggcca 420
ctgattgtgc cttataacct gcctttgcct gggggagtgg tgcctcgcat gctgataaca 480
attctgggca cggtgaagcc caatgcaaac agaattgctt tagatttcca aagagggaat 540
gatgttgcct tccactttaa cccacgcttc aatgagaaca acaggagagt cattgtttgc 600
aatacaaagc tggataataa ctggggaagg gaagaaagac agtcggtttt cccatttgaa 660
agtgggaaac cattcaaaat acaagtactg gttgaacctg accacttcaa ggttgcagtg 720
aatgatgctc acttgttgca gtacaatcat cgggttaaaa aactcaatga aatcagcaaa 780
ctgggaattt ctggtgacat agacctcacc agtgcttcat ataccatgat ataatctgaa 840
aggggcagat taaaaaaaaa aaaagaatct aaaccttaca tgtgtaaagg tttcatgttc 900
actgtgagtg aaaattttta cattcatcaa tatccctctt gtaagtcatc tacttaataa 960
atattacagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaactcga 1018

<210> 1501
<211> 2031
<212> DNA
<213> Homo sapiens

<400> 1501
cccacgcgtc cgcccacgcg tccgcccacg cgtccggcgc cagcggcctc gccgcccgtc 60
aagctgtcca catccctggc ctcagcccgc cacatcaccc tgacctgctt acgcccagat 120
tttcttcaat cacatctgaa taaatcactt gaagaaagct tatagcttca ttgcaccatg 180
tgtggcattt gggcgctgtt tggcagtgat gattgccttt ctgttcagtg tctgagtgct 240
atgaagattg cacacagagg tccagatgca ttccgttttg agaatgtcaa tggatacacc 300
aactgctgct ttggatttca ccggttggcg gtagttgacc cgctgtttgg aatgcagcca 360
attcgagtga agaaatatcc gtatttgtgg ctctgttaca atggtgaaat ctacaaccat 420
aagaagatgc aacagcattt tgaatttgaa taccagacca aagtggatgg tgagataatc 480
cttcatcttt atgacaaagg aggaattgag caaacaattt gtatgttgga tggtgtgttt 540
gcatttgttt tactggatac tgccaataag aaagtgttcc tgggtagaga tacatatgga 600
gtcagacctt tgtttaaagc aatgacagaa gatggatttt tggctgtatg ttcagaagct 660
aaaggtcttg ttacattgaa gcactccgcg actccctttt taaaagtgga gccttttctt 720
cctggacact atgaagtttt ggatttaaag ccaaatggca aagttgcatc cgtggaaatg 780
gttaaatatc atcactgtcg ggatgaaccc ctgcacgccc tctatgacaa tgtggagaaa 840
ctctttccag gttttgagat agaaactgtg aagaacaacc tcaggatcct ttttaataat 900
gctgtaaaga aacgtttgat gacagacaga aggattggct gccttttatc agggggcttg 960
gactccagct tggttgctgc cactctgttg aagcagctga aagaagccca agtacagtat 1020
cctctccaga catttgcaat tggcatggaa gacagccccg atttactggc tgctagaaag 1080
gtggcagatc atattggaag tgaacattat gaagtccttt ttaactctga ggaaggcatt 1140
caggctctgg atgaagtcat attttccttg gaaacttatg acattacaac agttcgtgct 1200
tcagtaggta tgtatttaat ttccaagtat attcggaaga acacagatag cgtggtgatc 1260
ttctctggag aaggatcaga tgaacttacg cagggttaca tatattttca caaggctcct 1320
tctcctgaaa aagccgagga ggagagtgag aggcttctga gggaactcta tttgtttgat 1380
gttctccgcg cagatcgaac tactgctgcc catggtcttg aactgagagt cccatttcta 1440
gatcatcgat tttcttccta ttacttgtct ctgccaccag aaatgagaat tccaaagaat 1500
gggatagaaa aacatctcct gagagagacg tttgaggatt ccaatctgat acccaaagag 1560
attctctggc gaccaaaaga agccttcagt gatggaataa cttcagttaa gaattcctgg 1620
tttaagattt tacaggaata cgttgaacat caggttgatg atgcaatgat ggcaaatgca 1680
gcccagaaat ttcccttcaa tactcctaaa accaaagaag gatattacta ccgtcaagtc 1740
tttgaacgcc attacccagg ccgggctgac tggctgagcc attactggat gcccaagtgg 1800
atcaatgcca ctgacccttc tgcccgcacg ctgacccact acaagtcagc tgtcaaagct 1860
taggtggtct ttatgctgta atgtgaaagc aaatatttct tcgtgttgga tggggactgt 1920
gggtagatag gggaacaatg agagtcaact caggctaact tgggtgtgaa aaaaataaaa 1980
gtcctaaatc taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2031

<210> 1502
<211> 1463
<212> DNA
<213> Homo sapiens

<400> 1502
ggcgcggaaa gttggcctcg cccctgccga cgtcgcaggc tggagctcac ctgggagact 60
ccaagtggaa gccgagctcg gttctgcctc tccaggcaac gcgggaggcc cagcgggaag 120
gcaggaggcg gcggcggagg aggagctcta ctgagccgca actgtggcga cagcaaccgg 180
agtcgcagcc gccgccacct gcacctggcg cctagcccac gtccagcgcc tgcccggccg 240
ccgcttcccg ccaccctgcc ctgcccaccc gccaggtact accattaaag ataccttctt 300
ctcagcaaat ctatgataaa aaatataagt aacagaagaa gaaataactg ttatttgtca 360
agtgacaagc ttttaatgtc agaatggctc acctaaagcg actagtaaaa ttacacatta 420
aaagacatta ccataaaaag ttctggaagc ttggtgcagt aatttttttc tttataatag 480
ttttggtttt aatgcaaaga gaagtaagtg ktcaatattc caaagaggaa tcaaggatgg 540

aaaggamcat gaaaaacaaa aacaagatgt tggatttaat gctagaagct gtaaacaata 600
ttaaggatgc catgccaaaa atgcaaatag gagcacctgt caggcaaaac attgatgctg 660
gtgagagacc ttgtttgcaa ggatattata cagcagcaga attgaagcct gtccttgacc 720
gtccacctca ggattcaaat gcacctggtg cttctggtaa agcattcaag acaaccaatt 780
taagtgttga agagcaaaag gaaaaggaac gtggggaagc taaacactgc tttaatgttt 840
cgcaagtgac aggatttctt tgcaccgaga tcttggacca gacactcgac ctcctgaatg 900
tattgaacaa aaatttaagc gctgccctcc cctgcccacc accagtgtca taatagtttt 960
tcataatgaa gcgtggtcca cgttgcttag aactgtccac agtgtgctct attcttcacc 1020
tgcaatactg ctgaaggaaa tcattttggt ggatgatgct agtgtagatg agtacttaca 1080
tgataaacta gatgaatatg taaaacaatt ttctatagta aaaatagtca gacaaagaga 1140
aagaaaaggt ctgatcactg ctcrgttgct aggagcaaca gtcgcaacag ctgaaacgct 1200
cacattttta gatgctcact gtgagtgttt ctatggttgg ctagaacctc tgttggccag 1260
aatagctgag aactacacgg ctgtcgtaag tccagatatt gcatccatag atctgaacac 1320
gtttgaattc aacaaacctt ctccttatgg gaagtaacca taaccgtggg aaattttgac 1380
tgggagtctt tcatttggst ggggagtcgc ttccygatca tgaggaggca aggagggaag 1440
rtgaacctac ccatttaaac acc 1463

<210> 1503
<211> 570
<212> DNA
<213> Homo sapiens

<400> 1503
tgcaaaaatt acagctggtg cctgtaatcc ccgctactcg ggaggctgac acaggagaat 60
tgcttgaacc tgggaggtgg aggtttcagt gagctgagat cgtggcattg cactctagcc 120
tgggcaaccm agagtgaaac tgtctcaaaa aacaactttt atcaatgtct gcaaaaagaa 180
agtcttctgg gatttataga tcaatttagg gagaaatgac attttaacaa ttctgagttt 240
tccaattgtt gaacatggtg tactgcccca tttatttaga tctgttaatt tctctcagtt 300
tgcagctctc acattttgtt aaattcatgt atttaatatt tctgcatgct attgcaagtg 360
gtaaggtttt caaaaagctg ttttctagtt attgctagta tatagaaatg cattagactt 420
gtacattgat cttgtatcaa gcaacttaga tcagttaact tattctagta gctttttttct 480
agattcttta gcattttcta tgtagataat catgtcatct gtgaataaag tattttactt 540
ttccaattta aaaaaaaaaa aaaaaaactc 570

<210> 1504
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 1504
cgcgtcgact ttttttttt tntgcttttg aaaatcaact atcattttaa ttacaatctt 60
aaacactttt gtttaaggga atccaatttt cctcttccaa gggtcttcca aacatggaat 120
atgtaggttt tcatcataat ctcaatgttg tttatccaaa tgtatcacgt tatataaata 180
tgtagaggtt tccagatgtc aagggcaggg tattaggttc aagtgtggct ggctctaacc 240
tctccactga actcctagag tgagatttaa gttttattta atctaacttt actaattcaa 300
cttagtcgtg taagaaggat atgaagaata tgaattattg tacttcacac tgctactttc 360
atgtacagta tagtagawta atactgacma cyatagacma gragttaaaa ttkgtcycrg 420
gaaaatycty cargatttta amcattgrca ttgccncgga gcggagaatt cagggcccgg 480
aaagnggggc nacttagg 498

<210> 1505
<211> 2061
<212> DNA
<213> Homo sapiens

<400> 1505
gccggcaccg cagcagcccg aggagggcgc gggcrcgrgg cccggtgcgt gcagcctgca 60
cctcagcgag cgcgccgact ggcagtactc gcagcgcgag ctggacgccg tcgaggtctt 120
cttctcgcgc acggcccggg acaaccggct cggctgcatg ttcgtgcgct gcgcgccctc 180
cagccgctac acgctgctct tctcgcacgg caacgccgtg gacctgggcc agatgtgcag 240
cttctacatt ggcctcggct cccgcatcaa ctgcaacatc ttctcctacg actactcggg 300
atacggcgtc agtcgggcaa gccctccgag aagaacctct acgccgacat cgacgccgcg 360
tggmaggcgc tgcgcacccg gtatggcgtg agtcccgaga acattatcct ctatggtcag 420
agcattggga ctgtccccac ggtagacttg gcctcgaggt atgaatgcgc agggtaattc 480
tccattcccc tctgatgtct ggtttgcgtg tggcttttcc ggataccagg aaaacatact 540
gctttgatgc tttccccagc attgacaaga tatctaaagt cacctctcct gtgttggtca 600
ttcatggtac agaggatgag gtcatcgatt tctcccatgg cctagcgatg tacgagcgct 660
gtccccgagc cgtggagccc ctttggkttg aaggggctgg gcataatgac atagagcttt 720
atgcacaata cctagaaaga ctaaaacagt tcatatctca cgaacttcct aattcctgaa 780
gacaacaact tgatcttacc tcatttactg tgaacagaag agtcctctgt tttgcacatg 840
ctttaactgg gtagctgtaa aggcttgata accatgaaga agtgcccaac ctttagggtg 900
ttctaatcaa agagctgatg aaatctcagt cttttgtatc tagaggtggt tctgctaatt 960
cacacaacac gttaaactga acagtcgtga ttcccagctt cattaccttg caggaatggg 1020
aatgagagct gaatgtaggg acaatttttct agtgctgtat aaagtagcct cgcatctgtt 1080
tctcaacctt atccatcatt tctgacattc atgcaggact tgccctgttg ccaccaatgt 1140
tctcggtatt tcacatgcag ctctctttct gccactggat acatgggttc aatccatttg 1200
tgaagctgtg atagtgtaac tggaaagcta gtgtggtgaa aattccttta ttatttttg 1260
ttaacatgct gatctttccc ggacaaatga actgaagggt aatttactgg aactctcgtg 1320
tacagcttca tcaactgtaa ccatataaat ataactggaa tattcttaaa caaaaagaaa 1380
ctaggggttt ttttaagtgt aaatttatta ctagccaaca gagttttact attttgattg 1440
tctggttggt ttaacaaaga gcctagctga ctttccttct gtaaagtcct ccttgtaggc 1500
ttttttaaag tactgtacat atttgcaatc acattgtgca tagattctta atggtagata 1560

tgatttcttt tgtcaggcta caacaatgaa ctgcagattc cttgtttgta atgtaaatga 1620
ttgaatacat tttgttaata tgtttttatt cctatgtttt gctattaaaa attttataac 1680
atttccaaga caaaaattcc aagtttatgc tttgaagaat ttatgtaatt aaaatttcac 1740
taaactaatc tttttagttt aggaattatt tgggttttga cactggaagt tgcgccaaat 1800
aagcatcaga aataggagat gcttaacatt gctatactac ttgtgttggt taggggtttg 1860
gatttggggg ttctttggtt ttaatttttt tttccacatt taaaagcctt aaatgtactg 1920
taagcctcag atcgttgtac aactggactg cggttgattg ccagtttgtg tactgttgct 1980
tggatgcggc acagtggttg gtaatggaat aaaggatgca tggatcagaa aaaaaaaaaa 2040
aaaaaaaaaa aaaaaaaaaa a 2061

<210> 1506
<211> 2396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<400> 1506
cttccttccg cttgcnctgt gagctgaggc ggtgtatgtn cggcaataac atgtcaaccc 60
cgctgcccgc catcgtgccc gccgcccgga aggccaccgc tgcggtgatt ttcctgcatg 120
gattgggara tactgggcct gttaggcctg ttacattaaa tatgaacgtg gctatgcctt 180
catggtttga tattattggg ctttcaccag attcacagga ggatgaatct gggattaaac 240
aggcagcaga aaatataaaa gctttgattg atcaagaagt gaagaatggc attccttcta 300
acagaattat tttgggaggg ttttctcagg gaggagcttt atctttatat actgcccttа 360
ccacacagca gaaactggca ggtgtcactg cactcagttg ctggcttcca cttcgggctt 420
cctttccaca gggtcctatc ggtggtgcta atagagatat ttctattctc cagtgccacg 480
gggattgtga ccctttggtt cccctgatgt ttggttctct tacggtggaa aaactaaaaa 540
cattggtgaa tccagccaat gtgaccttta aaacctatga aggtatgatg cacagttcgt 600
gtcaacagga aatgatggat gtcaagcaat tcattgataa actcctacct ccaattgatt 660
gacgtcacta agaggccttg tgtagaagta caccagcatc attgtagtag agtgtaaacc 720
ttttcccatg cccagtcttc aaatttctaa tgttttgcag tgttaaaatg ttttgcaaat 780
acatgccaat aacacagatc aaataatatc tcctcatgag aaatttatga tcttttaagt 840
ttctatacat gtattcttat aagacgaccc aggatctact atattagaat agatgaagca 900
ggtagcttct tttttctcaa atgtaattca gcaaaataat acagtactgc caccagattt 960
tttattacat catttgaaaa ttagcagtat gcttaatgaa aatttgttca ggtataaatg 1020
agcagttaag atataaacaa tttatgcatg ctgtgactta gtctatggat ttattccaaa 1080
attgcttagt caccatgcag tgtctgtatt tttatatatg tgttcatata tacataatga 1140
ttataataca taataagaat gaggtggtat tacattattc ctaataatag ggataatgct 1200
gtttattgtc aagaaaaagt aaaatcgttc tcttcaatta atggcccttt tattttggga 1260
ccaggctttt attttccctg atattatttc tatttaatac tcttttctct caagaaaaaa 1320
aaaaaagttt gttttttctt tattgtcctt catagcaggc caagtattgc ctctctgcaa 1380
tagacagcta ctgtcaatac atgctgtaat ttgacattct gggtcacaga tataaggtat 1440
ttaaaatcta tttatgcttt atagagaaac cagacattaa aacttcatgc actacttatt 1500

tcgaattact gtaccttatc caaatttaca cctagctatt aggatcttca acccaggtaa 1560
caggaataat tctgtggttt cattttctg taaacaactg aaagaataat tagatcatat 1620
tctagtatgt tctgaaatat ctttaagact gatcttaaaa actaacttct aagatgattt 1680
catcttctca tagtatagag tttactttgt acacgtttga aaccaactac tgtagaagat 1740
gaggaatcta ttgtaatttt ttgctttatt ttcatctgcc agtggactta tttgaaattt 1800
tcactttagt caaattattt tttgtattag tttttgatgc agacataaaa atagcaatca 1860
ttttaaattg tcaaaatttc cagattactg gtaaaaatta tttgaaaaca aacttatggg 1920
taataaaggc tagtcagaac cctataccat aaagtgtagt taccatacag attaatatgt 1980
agcaaaaatg tatgcttgat atttctcaac tgtgttaatt tttctgctgt attccagctg 2040
accaaaacaa tattaagaat gcatctttat aaatgggtgc taattgataa tggaaataat 2100
ttagtaatgg actatacagg atgttaataa tgaagccata tgtttatgtc tggatttaaa 2160
aatttaaac aatcatttac tatgtcattt ttctttacct tgaagaacat aaactgttat 2220
ttcacttcta caaatcagca agatattatt tatggcaaga aatattccat tgaaatattg 2280
tgctgtaaca tgggaaagtg taaatgtttt tcatggtttc tatcaatgtg aaataaaatt 2340
taattctgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggcg gccgct 2396

<210> 1507
<211> 1153
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<400> 1507
accatcacga gaggcaaagc tggtacgcct gcagtaccgg tccgggaatt cccgggtcga 60
cccacgcgtc cgctgagatt gctctgcctt cttcccacag gactgcctgt tcgcagcgtg 120
gattttaacc gaggcacgga caacatcacc gtgagcaggg ggacacagcc atcctcaggt 180
gcgttgtaga agacaagaac tcaaaggtgg cctggttgaa ccgttctggc atcatttttg 240
ctggacatga caagtggtct ctggacccac gggttgagct ggagaaacgc cattctctgg 300
aatacagcct ccgaatccag aaggtggatg tctatgatga gggttcctac acttgctcag 360
ttcagacaca gcatgagccc aagacctccc aagtttactt gatcgtacaa gtcccaccaa 420
agatctccaa tatctcctcg gatgtcactg tgaatgaggg cagcaacgtg actctggtct 480
gcatggccaa tggcngtcct gaacctgtta tcacctggag acaccttaca ccarctggaa 540
gggaatttga aggagaagaa gaatatctgg agatccttgg catcaccagg gagcagtcag 600
gcaaatatga gtgcaaagct gccaacgagg tctcctcggc ggatgtcaaa caagtcaagg 660
tcactgtgaa ctatcctccc actatcacag aatccaagag caatgaagcc accacaggac 720
gacaagcttc actcaaatgt gaggcctcgg cagtgcctgc acctgacttt gagtggtacc 780
gggatgacac taggataaat agtgccaatg gccttgagat taagagcacg gagggccagt 840
cttccctgac ggtgaccaac gtcactgagg agcactacgg caactacacc tgtgtggctg 900
ccaacaagct gggggtcacc aatgccagcc tagtcctttt caaacgtgtt ttacccacaa 960
tcccccaccc cattcaagaa attggtacca ccgtgcactt caagcaaaaa ggacctgggt 1020
cggtgagagg aataaatgga tccatcagtc tggccgtacc actgtggctg ctggcagcat 1080
ctctgctctg ccttctcagc aaatgttaat agaataaaaa tttaaaaata atttaaaaaa 1140
cacccaaaaa aaa 1153

<210> 1508
<211> 652
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (622)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (637)
<223> n equals a,t,g, or c

<400> 1508
cccacgcgtc cggcggagaa ggaccccggc cgctcagccc cgggcgccgc ctccgcagcc 60
gcggccctga agcagctggg ggactcaccg gccgaggaca agtccagctt caagccctac 120
tccaagggct ccggcggcgg cgactcccgc aaagacagcg gctcctcctc ggtgtcttcc 180
acctcctcct cgtcctcctc gtccccggga gacaaggcgg gcttcakggt ccccagcgcc 240
gcctgcccgc cctttccccc gcatggagcg ccggtctccg catcctcgtc ctcgtcgtcg 300
cccggcggct cccgcggcgg ctccccgcac cactctgact gcaagaacgg cggcggggtt 360
ggcggcgggg agctggacaa gaaagaccag gagcccaagc ccagcccgga gccggcagcc 420
gtgagccgcg gcggcggtgg ggagcccggg gcgcacggtg gcgccgagtc cggggcctcc 480
gggcgcaagt ccgagccgcc ctcggcgctg gtgggggccg gccacgtggc gccggtgtct 540
cctacaagcc gggccactcg gtgttcccgc tgncgccttc agcattggct accacggctn 600
catcgtgggc gcctacgccg gntacccgtc ttaattnctg cctggcctgg at 652

<210> 1509
<211> 1230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1227)
<223> n equals a,t,g, or c

<400> 1509
tgcaatttcc tactaaatcc agtctgtcaa gatggttttg gtnggtgttt tttgagctcc 60
actccagcct gncaccagag cgagctccct tctcaaaaaa aaaaaaaagt aagaaagaaa 120
aggactccct tagaatggga aagaaaaatc ataaaatatt gagctgatgc ctgtatatag 180
aaattaagcg tttctcgaaa gctgttctat gttttgctgt tattttagtc tttattctct 240
tcctttaggt ggagaaacaa agtaccaatt tgaagggatt ttttttattt tgtcttttgg 300
tttctgtcag tagaaataac catatgtgct aaccaaattt ctgtgaagaa tgttttcatg 360
gttatcatta tatctaacta taacctcccc catagttatg aagagtaacc tgaaatgcca 420
ctattgtgga aataggataa ttgtaattgt gaaaaaataa ttttaaggaa atcttacaag 480
tattacatta aaaagatact atgactgcca cctgccattt accttctaat aaccctgcca 540
tgtggtttgc agaaagagat ggatatagta gcctcagaag aaatatttta tgtgggtttt 600
ttgtttttcg ttactagatt tcatggatga ggggatatgg ttgacctttt acttttttaat 660
ggagcagcca gtttttgtta attactcact tgtaaattgt gagattctga attccttacc 720
tgctattctt gtacttgtct caggccaaat ctatgctgtg gttcttatga gacttgtatg 780
aagatgccct gatttgtaca gattgaccac gggaatacta ctgccatgta atctgtatag 840
ttccagataa tttgtcatga acattgacag aatgacaatt ttttgtattt gctttttctc 900
cctttaagag cacattcttc tgtaaggaga aaggcagcat tctggctaaa atgtgtagaa 960
ggtaatttac tacacttata aaatagtgtg acttttgtga aaattttgaa ttagctttca 1020
tatgaagtgc cttaagtaga ctcttcattt acttttctgg taatggttta aatatcattt 1080
gttatgcatt tttaagatac agttcagaat gacacattgt agtggcaaag ataaccaaat 1140
gtctggctgt ttgctttttg accatatcaa taaactttta caatctaaaa aaaaaaaaaa 1200
aaaaaaaggg sggccgcnct aggggnncca 1230

<210> 1510
<211> 1013
<212> DNA
<213> Homo sapiens

<400> 1510
ttttttttt ttttttttt ttttttttt ttttkytcct tcaatggggk ctattcatac 60
acatatagcc cctttccact gctcagtgtc ggkgatgtga ctcaraaggg ccacattttc 120
gctgggtccc atctaaaggc ctgacactgc agtgaagggc atgctaagtc taggcacagg 180
tcctggcagc aggaaggaga cagagcctct cccaggcaca catccccggg tggagacagt 240
ggaaaagaac cgaggacagg aaaggattgg gtaggtgaag gggtcagggg actggtagtc 300
acccaatctt ggagaggtgc aaaaagcact gggggctacc cgttagctgc atctgccctg 360
gctgtttgcc cgttcatgtc acaaactgcc actactatgt acctgcagtg gggttgcaga 420
gatgggggag actcaagtct tactccccag gagctcccag ggcccaagga ggagaatgct 480

gcctcctttc agtctggtct acacccactt tctggtagcc tctctgcttc ctgtaattct 540
ggctgttttt ccagactcag ctcaaatagt gcccctcctt aagcccatcc ctcgccccca 600
gcctgaggtg atctttccct cctctgaact attagagcag ttactgtctg ttcagttcgt 660
ttggcaggca cacacagtgg cataaattct attgttttga actctgattt aaaattaaat 720
tgcagctggg cgtggtggct catgcttgta atcccaacac ttagggagtc aggagaatca 780
cttgagctca ggagttctag accaatctgg gcaacagaga gaccccatct cttttaaata 840
aaaagttaaa ttgcttaatt tcccccgtat tcctggcctg tctgcccctt tcacataatt 900
ttaacctggt ttcttgtatg taaactcctt gagggcaaga acatgtttga acataaaaaa 960
aaaaaaaaaa aactcgaggg gggcccgtcc caattcgccc tatagtgagc gat 1013

<210> 1511
<211> 456
<212> DNA
<213> Homo sapiens

<400> 1511
caggaagccg caaaaagttt ctgagccccc gaacctgtag cggacgtgga aaaagaacgc 60
ccctcctcaa gtgtctggct gaaagatgcc acccagggaa gggaactcgg gctagctaag 120
gaggccattc ttgatgttgc ttctagatct catgtcatca ccgagccctc agctgctggt 180
ggcagctgct cagcagaccc ttggcatggg aaagagacgg agtccacccc aagccatctg 240
ccttcactta gctggagagg tgctggctgt ggcccgggga ctgaagccag ctgtgctcta 300
tgattgcaac tgtgcagggg catcagagct ccagagctat ctggaggagc tgaaggggct 360
tggcttcctg acttttggac ttcacatcct tgagattgga gaaaacagcc tgattgtcag 420
tcctgagcat gtatgtcagc acttggagca ggtgct 456

<210> 1512
<211> 2167
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (841)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1006)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1745)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (2063)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2156)
<223> n equals a,t,g, or c

<400> 1512
gatcactccc cctcctcagt gatgtacatg tgtaggtgtg gcatgtttct gctcttggcg 60
ttcttaccct atgtacatgg ctgcttgaca ctgcttttct gaaggttgta aagaacctct 120
gtgatacatg aaaagataat gaacaccttc gtcattaggg aaatacgact cagaaccaca 180
gttagaggac gagtgttggc aaggatgtgg agaacttggg gctgtaaaat ggtgcagctg 240
ctttggaaaa caatctagca gttcctcaga angttaccaa aaggtcatat agagttaccc 300
tatgacccag caatttcact cctagctata taatcacaca aaaaacacaa atgttcatag 360
cattacttat aatagcctaa aargggaaac aacccaaagt gtccatcagt taatgaatgg 420
ataaagagtg tgcattcatt catacagtag gatgttactt ggcaataaaa aggaatgaag 480
tattcataca tactgcagta tagatkaacc ttgaaaacat gcggagtgaa araaaccaaa 540
tacgaaaggc cacgaattac atgrttccat ttttaggaag tgtccagaat atgcaaatcc 600
atggagacag aaagtacaga ctggtgactg ctaaggatgg gacaggggga atgagcacta 660
gtcagtatac ggtttctttt tggggtggta aaaatgttct gtagtggtga tggttgcaca 720
actgagtata ataaaacata ctgaattaty tattttaaaa gggtaaggct ggactcagtg 780
gctcacgcct gtaatcccag cactttggga agctgaggtg caaggattgc ttgggaccag 840
nctgggcaac atagtgagac gtcatctctc caaaaaatta aaaatttagc caggcgtggt 900
ggcacatgcc tatagtccca gctatttggg tagccaaggt gggagaattg cttgagcctg 960
ggaggtcaag gctgcagtga gttgtgactg ccccactaca ctccancctg ggtgacagag 1020
caataacctg tctcasaaaa aggaggtaca ttttatggta tgtcaaaaca tctgaataaa 1080
actagtattt aaaaaaaaaa aaccttggga aaatacaatc agtatatacc tctagttggc 1140
caaaatgata ttcctcaatg actattttta cgattaaata actgacagat atttaagaaa 1200
ctgtttgaag aaggtttaaa cattcaaaag caaagattac gagacctaag aaactatgcc 1260
aaagaaaagc gagatgaaca aaggagacgc caccaggatg aactggactc catggagaac 1320
tactataagg accaggtggg ctcctggcac ttgcttacgc tgttgtgctt agtcctgmcc 1380
acttgccctt gtggcaaaac ttgcttagtc tgttgacaat aaaccttgtg ttaactgaag 1440
tttgcactct acagattaga ggaccccatt tcaagattga aatttaagat caaataatac 1500
ctgaccatag tacagtatat ttccctattt ccattaaaat gattttaagc ctgtgaacat 1560
taagaaatgt tacatttgga ctacaaacat taaatataat atttggtttt tttcttccta 1620
taaacagttt tcattgctgg cagaagccat atcacaggaa catcaagaac ttaaagccag 1680
agagaaatct magcccaggt aataattaag atagaagcca agtcatgcac tgcatggcaa 1740
tgttnctttc agcaagggac ctcgtacatt ggtggttgga gcaataggct gtatcatata 1800
gccccggtgt gcagtggact gtactctcta ggtttgtgta agtacactga cattttgcac 1860
aacaacaaaa tcatttaatg atgcatttct tggaacatat ctccatcatt aagtgacaca 1920
tgactaattt acatttttag gaagtagaaa accaaatgta ttatacctgt aaagggaatg 1980
gagagaagac taataaggca atccatctat gacccaagac atttttatcc tatgatttta 2040
actttagtta ggtctctgta agngctggct gttgctagat tatttgaaaa ttttgggagg 2100
gagtttggat tngctgggag gatgggagag gggaaccatt ggttgagggg cccggntaat 2160

tgctgtg 2167

<210> 1513
<211> 832
<212> DNA
<213> Homo sapiens

<400> 1513
cgctcacctc tcccttcccc aacccttctc tacttggctg ctgttttaaa gtttggaagg 60
aagaaaaata ggtgtataaa atgttttcca tgagaaacca agaaacttac actggtttga 120
cagtggtcag ttacatgtcc ccacagttcc aatgtgcctg ttcactcacc tctcccttcc 180
ccaacccttc tctacttggc tgctgtttta aagtttgccc ttccccaaat ttggattttt 240
attacagatc taaagctctt tcgattttat actgattaaa tcagtactgc agtatttgat 300
taaccaagct tctgcagatt ttgtgattct tgggactttt ttgacgtaag aaatacttct 360
ttatttatgc atattcttcc cacagtgatt tttccagcat tcttctgcca tatgccttag 420
ggcttttata aaatagaaaa ttaggcattc tgatatttct ttagctgctt tgtgtgaaac 480
catggtgtaa aagcacagct ggctgctttt tactgcttgt gtagtcacga gtccattgta 540
atcatcacaa ttctaaacca aactacaaat aaagaaaaca gacatccacc agtaagcaag 600
ctctgttagg cttccatgtt agtgtagctt ctctcccaca agttgtcctc ctaggacaag 660
aattatctta caaactaaac tatcatcaca ctaccttgta tgscagcacc tgggtaacag 720
tagrggattt twatacatta atcttgatct ggtttaatct tgatctggtt tagtagagat 780
ttttatacat taatcttgat ctggtttaat cttgatctgg tttgcctaaa aa 832

<210> 1514
<211> 1364
<212> DNA
<213> Homo sapiens

<400> 1514
gaatcccact cccttctccc acttgttaat tagttacata ctttttttgta attgtttatt 60
tggttgctgt ctcctctca agaatgcagg gaccatgtct gcattctgca gtaatcacta 120
ctgcacaccc agaatctatt acagatcctg gcatgtagct gatgcataaa tatttgttga 180
atgaaagtct gtacattgta tttatgctat tggtattgct atgacctgaa actaaaagga 240
gttgtggaaa agatttctta tggaacagaa atatcccttt tgattaatat cacaatctcg 300
taaattgaga aaacaaawaa tatatactac tggagcattc atgtatagtt ggagattatg 360
actcatttat tggtgtgttt ttggactcag aacaaagatg agggaatatt ccttaaagct 420
ctgtattgaa ataacgaaaa gcagtcacat tttaataata gaagcttcct agcttactct 480
ttctgtaatc ttctttttcct aaatgtaaga gagcctcata attatgaggc ttattactag 540
agtaaggctg tcaaaggcag caaaatgtct ttctgtttgg aagaataaca taaacttgac 600
atgtatggtg ggggacagaa ggtttcaaaa gtttaagaat ctgtgttgtc ttaacaaata 660
gatgcttctc aaggasstta cgytagtggt tactctgtcc agtcagggtt ttttcttctt 720
taacttgggt tcatttcctg atggcacaca tgaagtttgg atcatatggt ttgactttag 780
ctatggtcct tagctatggg gagcagcatc agcgacctgt gacatgtaaa ttaaaaatac 840
aatgccaggg cccttcccca gcccctctga tagagaacct cttggccatc tgtattttta 900
gatgttccag gttagtctga ttaacaccct tggttaagaa ccattgggag gatctgattg 960
ccagtttaag gggaccttca agcctgtagg tctttatagt taaaaaaaaa aaaagatttt 1020
aaaaatcatg catatgttgt ggctgaawtc tggtttagca catactgctt ttaatggcct 1080
gaaatgtttt tcccaaataa attstcttgt tatagctttc atgtgtgatt tggtccagct 1140
tcttgttttg aagatactta cgggggggaa cactttgtga tttctcttag taacatatta 1200
acccacttaa aaacccttte tattacaggt cttcacattt aggcttaatg tgcttaattc 1260
aaatgtaaaa atacacctgc ctttgttctc agtgaaagta tgtaataaat aaatgagggg 1320

ttggcaaact actgcccacc atctgttttt ttatggccta tgaa 1364

<210> 1515
<211> 1493
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1492)
<223> n equals a,t,g, or c

<400> 1515
atctctgnct cgtatccgcc ttgcctccac aagtgctggg attacaggtg tgagccacca 60
cacccggcct atattgtttt gaaagcatac tctatatata gttaygggca gaggcacagg 120
catcctcagc agctgattca ggagatgatg gtaaagctag ctaactatga attaaacatt 180
cacatatcca gtctacctgg tccagtaata atacaagcaa atcttgtatt tcaggaacaa 240
atcaaggttc tcttaatttt ttggcttata tacaatgaag taaaaacttg ataaacatgg 300
tttcaaattg aggaggagag tcttggatgt atgttttaat atgtatacct tataattctg 360
cctctagcca aatgctatgt ttgcaaaatg tggcatctgt tagtttttat tgtctgtgtc 420
ttctttgttt actatacctt gggtaatttt gtgttaccaa aaaaaaaaaa aaaaaggaag 480
tgtaatgtca gacacacaag aaaagcaaat cagtgttgta agcttaaagt acaatttcaa 540
aggtcattac caacagcagg gtttttttta tactttaaaa acattatgct acatatcatt 600
gccattttca tattttgggg ttttgctact cttatacaat ggaatcaatg gaaatgtcat 660
ccagccactg aattgccatt attatatcta aaaagtttct aagatgacag ttatcactat 720
tttgttttat ctccatgctg acatttgaaa gaaggtacta gtatccctct agccagattg 780
cttagttttt cgttggtaat caaacaacag ttgtactaaa ggaaagtaaa gctaggacct 840
aaatcagaat catagttgcc tgcatatatg gtaacaaggt cgtgtgcatt tgctttcaca 900
gtgatgagtg agaggatgag aagaaattat ttgacatttt tctgtggttg aatagaagac 960
acctttcttt tgtctttagg tttaggagga gatactaaga tactggatgt ttatcctatc 1020
ttagtttggt tggagtaata agagagaaga agagggtgga ctttggcttt tcagtgtttt 1080
ttcccctaaa gagtgatatt gctgacgttt ctatcaattt tacacataat atgtggctat 1140
gaaaccatat atctcactta agtaacaaag taatcacttt gtctatcact aagtaataga 1200
caaaaatcat tgtctattat ttaaagccaa caaaacagtg taacagtttt aagttcaata 1260
atgttaagta ttgtatagaa atatattgga ggcaaagttc agttgatgac aattgtgtat 1320
atgttactga tgctgtaaat tatttttaat aaagaaaatt gtattatcaa aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg ggggcccntt tna 1493

<210> 1516
<211> 2109

<212> DNA
<213> Homo sapiens

<400> 1516
agcactagct ttgacatcca cggtgagctg cagggaagca tcacacacca gccagcatgt 60
gagcagaggg aggcagttgg ggttgaactt cggaactagg ccgggtctyc tgacagatca 120
caagacaccc cagaggatct tcagcagtcc tacttcccat tctctataga gctttgaagc 180
ttggaaccct tccagggtaa acatttttctc ttgtgctgct yaggacatyt ggggcctagc 240
tcctgggttc ctgtctccaa gaagcaatga ccttaaactc tgagccatac tctgtcctca 300
ccagcggctc ccatgttttt ctgtgtcagg ttattaagta cctagtcctt gttttctgtc 360
tctstcctaa gctacctctc tgggtccaca gaagacttgg tagtatagtg agaatggcta 420
tacgtgagta caaacrtgga ttttccaggg cttgggaamt gattcttgag cccagaagag 480
ccamgcctgc tttgaggtct tttggagtgg agatgcagcc ctgggaaatt tggggagtca 540
gcaggccagt gtgaagctat tggtcctagg agtatatgag cttgctgttt ctttgatgga 600
aaatacatgc ttctcttgta tactcagaag tgactaaggg caataactca ttaatagcca 660
tctatccaac ttctttactg agtgatgtat tccatggggt taccttttte agattattga 720
gttgctctgt aagcactaaa acttttaat cattttaag aaacttttta gattgtatta 780
caaatttgcc ttaacagtaa ttagatgttg aatataattt taacatttta ttaatgactt 840
gggtcatcag ttaataccag tactaaaacc atacgaatta ttggtttatt ccagaaaata 900
cagtatttgt tctattttta ggtagacaat catttgggat cagagtacat tagcatagta 960
atgctcagtc agacctgttc aagtagtaga gcttggagaa tgccatgaaa tacttatata 1020
attaatttga ttgcatgaac taagcaattt tactaatgaa aaggttgtat atgtgcaagt 1080
cacttttta aaaaccaaga aaaaacttta atagaggaaa tcttattcat taatttattt 1140
ttctgagtaa aaaaacgaaa cccaaatctc attttatttc aactgttaaa cattttgatc 1200
tgttgaccca taggatcagg atttgggaac cactttacta ggaaagagca gatcagtacc 1260
atttgtataa aaccggcctc attatgtaag aaagaaaatg ttacgtgttt tcttctttag 1320
cttggttgtg ggcacttcta cagcaaggac catatcatat tcatctttgc atccctggca 1380
cagtgcatga gacataagta cttaataaat gcagttgaat ggataatgat tagtgttatt 1440
tatggattag aaaaagcatg tttctattta agtaagctgt aaaaagtatt attgaatatt 1500
tactgtaaat atatgttcac ataaaaaaat aacttggagg gtctttgtgt ccctggcata 1560
ttatcatctt catggaaaga atccactgtg gtttctgtag agtgattgga aaaatggatt 1620
attttgagga ttgaagaaag tgttctttct gcgttgtcac tttgttcaac agtaaaactt 1680
tattctcagt gttcctactc tgcattgttt acatttttga cagtttttt taatcaccta 1740
caatctgtaa agaatgtata tattcttttc agcatctcag tttgaaaaga catgcagtta 1800
aacttgacct tttgataatc gctcttacag gtcattgtct gttctaacag caaattgtaa 1860
acatgtgctt catagatatt gtggctctca gtcatcactt tgtcctatgg tatttattga 1920
atgttcacat actaatggtg cacaggtgtt tttttctata aatcttctga ctgtcctgta 1980
attcattctt aagctttaac ttgaaggtat cgtaattgcc ggcatttgat gtttagcaat 2040
aaaagaataa atgtgtacca gcattttatg tttaaaaaaa aaaaaaaaaa actcgagact 2100
agtctctct 2109

<210> 1517
<211> 590
<212> DNA
<213> Homo sapiens

<400> 1517
gcttctccaa atcaaaccac agtatatgtt gtaacaatat ctatgaccac tgttagccca 60
ttatattcat tccaattaga agaaatgtga atactatatt ccgtgttttg agtgacaagt 120
ttcgaaaaat aaaaayacwg trtttttaaa agggaaatgc acttaaatga aaacagttat 180
tacaaaagtt aagatttaaa aagaaaaagc aagagttttt attatgatgk aataccagta 240

gaatatttaa aaggcacacc acatctgaat aatcaatgta aatattttct ttcaaagttg 300
taagttttca tatcatgtgc tgtaaagttt tcctaaatga ggctttaacg taaacactgg 360
tgacataaac cattcattgc tacgttgctt attgtgtttt tatgctgttt tatacttttt 420
tatgagttat gatagcagca attaagttgt ttgtattttg cttaactaaa acaaaaatgc 480
ttttatcttg ctatagaata aacacatttc agtaaaaact gtggactgta ttttgatgca 540
acaacaaaga aactgttcac ttttcaaata aaatgatatg tcagaaaaaa 590

<210> 1518
<211> 425
<212> DNA
<213> Homo sapiens

<400> 1518
cgtggctgag gggacccggc gcgggaggag cgggcgcggg cgcgaaaggg agatctttgt 60
gagtgatttt gcaaaaatag attgcgaggt tggttggatt tgcaacctgt ggctctcctc 120
gagggagtaa gaatgggggа aggcgcggcg gcggcggccc ggggagggag tgggtagagt 180
tggagcctca gaaatcggct gagctccggg ggcgggcggg gagaaagggc ggggggcag 240
caggagctag gggccacccc gctgccggat gtagtgaccg tggtaaatgt cttgagaact 300
gtgggttgcg ttgcctttat gatgccgtgt tattggaacc ctggcgaaaa atggaactag 360
tgttgcaata atgagtttta aagctccccc atggaaaaca aaaacacaac caaaccgatt 420
tttta 425

<210> 1519
<211> 1186
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1177)
<223> n equals a,t,g, or c

<400> 1519
ggaaaacttg aagtccaagc cgtgctgctg attccgtctc acagtttaaa gactgtccag 60
aaactttaag ctttcaaaac tgtacatttt aaaatcctgt gcgtttatct tcattttgct 120
gggcagaaag ccaaagtact ggactgcctg gttcagggct gaacgcctag tacacctgct 180
aacttggagc ttcagagcca tggcaaccaa ggagtcaaga gacgccaaag cacagttggc 240
cctctcctca tcggccaatc agagcaagga agtgcctgaa aacccaaact atgctctcaa 300
atgtactctt gtgggacaca cggaagcagt gtcatcagtt aagtttagtc ctaatggaga 360
atggctagca agktcttctg ctgataggct aatcataatt tgggggagca tatgatggaa 420
aatatgagaa aacactctat ggtcataatt tggaaatatc ggatgttgcc tggkcatcag 480

attcmagkcg ycttgkttct gcctyaratg ataaaactct aaaattatgg gatgtgagat 540
ctggaaaatg tttgaaaaca ctgaaggggc acagtaatta tgtcttttgt tgtaacttca 600
atccgccatc caaccttata atctcgggat cttttgatga gactgtaaaa atatgggagg 660
tgaaaacagg aaagtgtctc aagactttgt ctgctcattc tgacccagtt tctgctgttc 720
attttaattg tagtgggtcc ttgatagtgt caggtagcta tgatggcctc tgtagaatct 780
gggatgctgc atcaggtcag tgtttaaaaa cgctcgttga tgacgataac cctcctgtct 840
cttttgtaaa attttctcca aatggtaaat acattctcac tgcaactttg gacaacactc 900
ttaaactatg ggattatagc agaggcaggt gcctgaaaac atacactggt cataagaatg 960
araaatattg catatttgcc aatttttcag ttactggtgg aaagtggatt gtgtctggtt 1020
ccgaggataa ccgggtttac atttgggaac cttcagacta aagagattgt gcaggaaatt 1080
acaaggccat acagatgttg tgatctcagg cagcttgttc atcgaacagg aaaacctcat 1140
cggcntcagc aggcnttagg gaaaatggac aaaacantta aaetgt 1186

<210> 1520
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<400> 1520
tcgacccacg cgtccgcaca agargaccaa acatgtacca agtggtgctt ctgtttgttg 60
ttgtccctga gctgcaggaa catcagtcca aaccgagcag gccatcaccc agagtagcag 120
acaaccctga agagggcaga gagccacata atgacaggcc tgtgagcatg gcctttgggt 180
gccagccaga gcatgtgtat gctgagtgtg gaaagaccta cagaccgccc ccaaccccca 240
agctctttcc acagtccacc gtaganaaca ccacccccctc ctttaccagt gggacacaag 300
aatncttgtt tgtcttcctt atttccattt ccagaagact ttttttccact ccacttttcc 360
ttcctccgca atttgcaatc cctttgttgg ctttataagt tattaagctt tttccactcc 420
tgggtggctt tttcccccta gcnagctccc ctgancccag 460

<210> 1521
<211> 1672
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1583)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1645)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1663)
<223> n equals a,t,g, or c

<400> 1521
ccagcctcca ggcacccggg atccagcgcc gccgctcata acacccgcga ccccgcagct 60
aagcgcagct cccgacgcaa tggacccggc gctggcagcc cagatgagcg aggctgtggc 120
cgagaagatg ctccagtacc ggcgggacac agcaggctgg aagatttgcc gggaaggcaa 180
tggagtttca gtttcctgga ggccatctgt ggagtttcca gggaacctgt accgaggaga 240
aggcattgta tatgggacac tagaggaggt gtgggactgt gtgaagccag ctgttggagg 300
cctacgagtg aagtgggatg agaatgtgac cggttttgaa attatccaaa gcatcactga 360
caccctgtgt gtaagcagaa cctccactcc ctccgctgcc atgaagctca tttctcccag 420
agattttgtg gacttggtgc tagtcaagag atatgaggat gggaccatca gttccaacgc 480
cacccatgtg gagcatccgt tatgtccccc gaagccaggt tttgtgagag gatttaacca 540
tccttgtggt tgcttctgtg aacctcttcc aggggaaccc accaagacca acctggtcac 600
attcttccat accgacctca gcggttacct cccacagaac gtggtggact ccttcttccc 660
ccgcagcatg acccggtttt atgccaacct tcagaaagca gtgaagcaat tccatgagta 720
atgctatcgt tacttcttgg caaagaactc ccgtgactca tcgaggagct ccagctgttg 780
ggacaccaag gagcctggga gcacgcagag gcctgtgttc actctttgga acaagctgat 840
ggactgcgca tctctgagaa tgccaaccag aggcggcagc ccagcccttc ctgcctcctg 900
ccccactcag ggttggcgtg tgatgagcca ttcatgtgtt ccaaactcca tctgcctgtt 960
acccaaacac gcctctcctg gcagggtaga cccaggcctc taaccatctg acagagactc 1020
ggcctggaca ccatgcgatg cactctggca ccaaggcttt atgtgcccat cactctcaga 1080
gaccacgttt ccctgactgt catagagaat catcatcgcc actgaaaacc aggccctgtt 1140
gccttttaag catgtaccgc tccctcagtc ctgtgctgca gccccccaaa tatatttttc 1200
tgatatagac cttgtatatg gctttaatgc cgcaaaatat ttatttttcc ttaaaaaagg 1260
tgtcaacttg gaaataatgg tttaaaaaca ggataagcat taaggaaaaa cactttcaat 1320
gtgtcttcca tttgatgaat ttgttttkct ctctttatcc ccgcaagtgg agtttcatgt 1380
cctcggtgaa accagacagt gtgaatctgt tccagcccaa atctgcagca ttagggatga 1440
gttctcrgaa gtgattctga actgagcacg cactcatgtc tgcatgggga actctgggga 1500
gaagagcctt ccttttcttt cccttgggcc atttgccttt ccttgtcgtc ttactgaggg 1560
cggaggcagg gagggtctct gtnctttcca gggccctggg cagggccatc ctggccattc 1620
agggaaagat gggaagagtt agggnctccg ttttaggcag ccntgggtgg ga 1672

<210> 1522
<211> 588
<212> DNA
<213> Homo sapiens

<400> 1522
aggcgtatac caccatgact gaaaacaaaa gacttttttt tgagactccc tctcaaaaac 60
aaaacaaaac aaaaaaatta gacaaatgct acattaatgt ttgggtggtc agattctact 120
ttgaatctga agtttgcaga tatgcctata gatttttgga gtttaccact ttcttattct 180
gtatcattaa tgtaatattt taaattacta tatatgttac cattttttctg gatttagtaa 240
gaaatttgca gttttggttt gatgtaacaa gggttttaat gtaatttatg ttagattttg 300
catttttttc attactgtta tattttaacc tgactgactg atctaattgt attagtattg 360
tgaataatca tgtgaaatgt tttgagacag agtactatat ttgtgaatat aattttatgg 420
ttttttttcac ttagaacctt tctgtgtgga aaactaagaa aattgctttc tgctgtataa 480
tctggcattc attgtagatt aaagcttatt tttctgtgaa taaaacgtat tcaataaaat 540
actattcttt aaaattawaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 588

<210> 1523
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<400> 1523
cggcacgagg attttactga tactgcttat ctgtttaaaa ttcagataga aagtctgaat 60
gacaaattac aaaatgctaa agaacagctt cgagaaaaag agtttataat gctacaaaat 120
gaacaggaga taagtcaact gaaaaaagaa attgaaagaa cacawcaaag gatgaaagaa 180
atggasagtg ttatgaaaga gcaagaacag tacattgcca ctcagtacaa ggaggccata 240
gatttggggc aagaattgag gctgacccgg gagcaggtgc agaactctca tacagaattg 300
gcagaggctc gtcatcagca agtccaagca cagagagaaa tagaaaggct ctctagtgaa 360
ctggaggata tgaagcaact ctctaaagag aaagatgctc atggaaacca tttagctgaa 420
gaactggggg cttctaaagg acgtgaagct tatttagaag caagaatgca agcagaaatc 480
aagaaattgn cacannaagt agnaatctct tcaaagaagc 520

<210> 1524
<211> 2791

<212> DNA
<213> Homo sapiens

<400> 1524
gtcacctgac acctcaccgg tccggaattc ccgggtcgac ccacgcgtcc gcccacgcgt 60
ccgtaatccg tggttttctg gagcatttca cagcctagga acatacaagg ggggcatctc 120
cctggaatgt aaattgacta agaggaattc aataatggtc aaatgaatgc agaattttag 180
agtcttgctt agtattctca ccacatttcg tttartctac tcatactctt tttctcttac 240
tgctgacact agatggaaaa actcttaatt aaaagtattt cacaaaatgt gctcgttttc 300
agtcattccg tttccactcc agcctgttgt gttgtttttt tgaaataata atttaaagta 360
attttccttt tgcaggatgg catagtcaat ccaacaataa gaaaagattt gaaaactgga 420
ccgaaattct actgctgtcc aattgaaggc tgccccagag gccc agag accgttttct 480
cagttttctc tcgtaaaaca gcactttatg aaaatgcatg ctgagaagaa gcacaaatgt 540
agtaagtgca gcaattcgta cggtacagaa tgggacctga aaagacatgc agaggactgt 600
ggcaagacct tccggtgcac atgcggctgt ccctacgcca gtagaacagc actgcagtct 660
cacatctacc gaactgggca cgagatacct gcagaacaca gggacccacc tagtaagaaa 720
aggaaaatgg aaaactgtgc acaaaaccag aagttatcca acaagaccat tgaatcattg 780
aacaaccaac caatccctag accagacact caagaactag aagcttcaga aataaagcta 840
gaaccatctt ttgaagactc ttgtggctct aacactgaca agcagactct tacaacacca 900
ccgagatatc ctcagaagtt gcttttacca aagcccaaag tggctttggt taaactaccc 960
gtgatgcagt tttctgtcat gcctgtcttt gtgcctacag ccgactcctc agcccagcct 1020
gtggtgttag gtgttgatca gggctctgcc acaggggctg tgcacttaat gcccttgtca 1080
gtaggaaccc tgatcctcgg cctagattca gaggcttgct ctcttaagga gagcctacct 1140
cttttcaaaa ttgctaatcc tattgctggt gagccaataa gtactggtgt tcaagtgaac 1200
tttggtaaaa gtccatctaa tcctttacaa gaactaggga acacgtgtca aaagawtagc 1260
atttcttcaa tcaacgtgca gacagatctg tcttatgcct cacaaaactt tataccttct 1320
gcacagtggg ccactgctga ttcctctgtg tcgtcttgtt ctcaaactga tttgtcgttt 1380
gattctcaag tgtctcttcc cattagtgtt cacactcaga cattttgcc cagctctaag 1440
gtaacttcat ctatagctgc tcagactgat gcatttatgg acacctgttt ccagtcaggt 1500
ggggtctcca gagaaactca aaccagtggg atagaaagtc caacggatga ccatgtacag 1560
atggaccaag ctggaatgtg cggagacatt tttgagagtg ttcattcatc atataatgtt 1620
gctacaggta acattataag caacagttta gtagcagaga cagtaactca tagtttgtta 1680
cctcagaatg agcctaagac tttaaatcaa gatattgaga aatctgcacc aattataaat 1740
ttcagtgcac agaatagtat gcttccttca cagaacatga cagataatca gacccaaacc 1800
atagatttat taagtgattt ggaaaacatc ttgtcaagta atctgcctgc ccagacattg 1860
gatcatcgta gtcttttgtc tgacacaaat cctggacctg acacccagct cccatctggc 1920
ccagcccaga accccggaat cgattttgat atcgaagagt tcttttcggc ctcaaatatc 1980
cagactcaaa ctgaagagag tgaacttagc accatgacca ccgagccagt cttggagtca 2040
ctggacatag agactcaaac ggacttctta ctcgcagata cctctgctca gtcctatggg 2100
tgtaggggaa attctaactt cttaggcctt gagatgtttg acacacagac acagacagac 2160
ttaaactttt tcttagacag tagccctcat ctgcctctgg gaagtattct gaaacactcc 2220
agcttttccg tgagtactga ttcatctgac acagagaccc aaactgaagg agtctccact 2280
gctaaaaata tacctgctct agaaagcaaa gttcagttga acagtacaga aacacagacc 2340
atgagttctg ggtttgaaac cctggggagc ttgttcttca ccagcaacga aactcagaca 2400
gcaatggatg actttcttct ggctgatctg gcctggaaca cgatggagtc tcagttcagc 2460
tctgtagaaa cccagacttc tgcggaacca cacacagtct ccaacttcta aaactaacgg 2520
tggagtccat gtgtgaaatg gcatctacca tttcctctgg attaaaacta cggactgggg 2580
acaacagtat taattcgatt gaatgtggct gatgatgcag ttgcttagct tctttgtgtt 2640
tctttgcctt ttgtacttgt aaacagaaat ttgcgtataa atgtgagtgt attataaagt 2700
ttgagatgtt gatctaaatt gtttttgtgt tgcctacatt tgccttttca cagctagtct 2760
tttcatgtta aaaaaaaaaa aaaaaaaaaa a 2791

<210> 1525
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<400> 1525
gggtcgaccc acgcgtccgc ccacgcgtct gccaaatact tgctyaaact atttgacatt 60
ttctatcttt gtgttaacag tggacacagc aaggctttcc tacataagta taataatgtg 120
ggaatgattt ggttttaatt ataaactggg gtctaaatcc taaagcaaaa ttgaaactcc 180
argatgcaaa rtccagagtg gcattttgct actytgtctc atgccttgat agctttccaa 240
aatgaaagtt acttgaggca gctcttgtgg gtgaaaagtt wtttgtacag tagagtaaga 300
ttattagggg tatgtctata cracaaaagg gggggtcttt cctaaaaaag aaaacatgat 360
gcttcatttc tacttaatgg aacttgtgtt ctgagggtca ttatggtatc gtaatrtaaa 420
gcttggatga tgttcctgat tatctgagaa acagatatag aaaaattgtg ycggacttaa 480
ataattttcg ttgaacatgc tgccataact tagattattc ttggttaaaa aataaaagtc 540
acttatttct aattcttaaa gtttataata tatattaata tagctaaaat tgtatgtaat 600
caataaaacc actcttatgt ttattaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaana 687

<210> 1526
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<400> 1526
ttcaccataa tagttctaat taaaatggtc cttgctgtag gagagacaaa ggggcttttc 60
ctctagctgg taactattca gatgatggac aagtcttctt tcataaaaga ttacaaagaa 120
ggcatccgaa tcactgtctg tgatactggg tcacatatta atcactgcag ctaattgtaa 180
atcttyctat gaaacactga aaagcctctt tgtgaattaa tacagttctg cttgatgcac 240
ttgatttgaa aagacatttc tctgtatgtg gcgcatgtcg gctttgcttt gaaaaataac 300
aaagttagca gaatatgttc aatatatttt cttggggaat agggttttta ttacatgatt 360
cattaaggat ttgccttacc ctgacatttg tgatataaag gaaaatcaga aaaaaagtaa 420
ttttcttgat caagatatgt ttttacttaa tgcaaataaa tgtagtctgt tgcttgcaag 480
gaaaaaaaaa tggcttctga tatctggtat aaactgctaa ataggataat acgtgcctct 540
tttgttaaac cggcatttaa atgctggact gcttctaaat ctgtttgttt cttntcatct 600
gtgccataca ctaaaaaaca actgttgcct tcatactata tttgttagag cagaatacaa 660
ataaaatttg agaggatwat gtgaaaatta taattaaaag ggcggccg 708

<210> 1527
<211> 618

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 1527
ttcacacaat atggggcagc atgcttttgt gactttaaaa tagatcaagg aacttttgct 60
tttgaagaga gaaatttcct tggnctggtg acaagagcag tagatgtgcc caagagtaag 120
gatgtgtgtt gtccttgggt tagccactgt aggtttataa cctggtagga aattttcata 180
ggaagggcca aaaattcaag atgctcattt gcaagttgtc ttctagggtg ttgcctgaac 240
ctaggctgca gtagaagtgg ggcttggagg taggcgatat tgaaatccca ggttaatgct 300
aatctccatc tcagatccag gacaatgcag accagcttcc ttttgggaaa tggaggttct 360
tarttaatat gttctggctc ttacatttct gataccgcta ctggtgccaa cctaaatcag 420
cagcctagtt ctcagcagaa ggcagcagag gatggcaagg ttggagggta gatagaagct 480
gtgggagttg ggtggctcct gtctgcacac tggacaaggg gcaccctgag aaaaataatt 540
ctttaaaaaa ttaaaaaaaa aataagctgt gggagttgag ggtttaattg cttggccact 600
tggccttctc ctcgtgcc 618

<210> 1528
<211> 1103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1074)
<223> n equals a,t,g, or c

<400> 1528
cgcacgccaa acgggtttgg aggaccctct tcgccttcgg agagcagagt caacacggag 60
agttttggga ctggaattaa ataaagacag agatgttgaa agaatccacg gcggtggaat 120
taacaccctt gacattgaac ctgttgaagg gagatacatg ttatcaggtg gttcagatgg 180
tgtgattgta ctttatgacc ttgagaactc cagcagacaa tcttattaca catgtaaagc 240
agtgtgttcc attggcagag atcatcctga tgttcacaga tacagtgtgg agactgtaca 300
gtggtatcct catgacactg gcatgttcac atcaagctca tttgataaaa ctctgaaagt 360
atgggataca aatacattac aaactgcaga tgtatttaat tttgaggaaa cagtttatag 420
tcatcatatg tctccagtct ccaccaagca ctgtttggta gcagttggta ctagaggacc 480
caaagtacaa ctttgtgact tgaagtctgg atcctgttct cacattctac agggtcacag 540
acaagaaata ttagcagttt cctggtctcc acgttatgac tatatcttgg caacagcaag 600
tgctgacagt agagtaaaat tatgggatgt gagaagagca tcaggatgtt tgattactct 660
tgatcaacat aatgggaaaa agtcacaagc tgttgaatca gcaaacactg ctcataatgg 720
gaaagttaat ggcttatgtt ttacaagtga tggacttcac ctcctcactg ttggtacaga 780
taatcgaatg aggctctgga atagttccaa tggagaaaac acacttgtga actatggaaa 840
agtttgtaat aacagtaaaa aaggattgaa attcactgtc tcctgtggct gcagttcaga 900
atttgttttt gtaccatatg gtagcaccat tgctgtttat acagtttact caggagaaca 960
gataactatg cttaagggac attataaaac tgttgactgc tgtgtatttc agtcaaattt 1020
ccaggtactt tatagtggta gcagagactg caacattctg gcttgggttc catncttata 1080
tgaaccagtt cctgatgatg gtg 1103

<210> 1529
<211> 220
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<400> 1529
taaaaaaagn ggggtttaaa ccggcccccc tttggggccc aaaggagggt tttaacccccc 60
cgggggggkt tccccccggg ggggraaaaa atttttttccc ccccccccggg gggggggttt 120
cccgggaaac ccccccccaa aaccggggcc cgggktttcc ccccgggggg ggggcctttc 180
ccaaaatttt tttttgccca aaaccnttcc caaaaaattt 220

<210> 1530
<211> 438
<212> DNA
<213> Homo sapiens

<400> 1530
gaggggcggc gggctagtaa ccatagcggc tcgcgtgggt cggctggcaa gtaaccatag 60
cggcgagcgt ggggcggagt gtggctcggt agtcctctgc gtgccctcct gggagctggg 120
tgctgtgagt cctcccctag cgggctggtc tcggcgcgga gtcggcgccg aacccgagct 180
gctgctctgg ggcgtgtgcc tagggcgcag ggctggagcg cggggctgcg cggttgctcg 240
cgstccgctg aggtctctag gaaaggggggc gatttgaggg ttccgccgtg accgcttcca 300
rcggcggaca cgcgcgctct ggaccagagc cgttgcccgc tgtctcgtca cccgaagcct 360
cctcctgacg ccgtgctagt gcgagggtct ccaggggaat tcggggcaca agtcgggccg 420
gagcatccgg gcggccgc 438

<210> 1531
<211> 2062
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1022)
<223> n equals a,t,g, or c

<400> 1531
gcccacgcgt ccgcccgact cggagcccct cggcggcgcc cggcccagga cccgcctagg 60
agcgcaggag ccccagcgca gagaccccaa cgccgagacc cccgccccgg ccccgccgcg 120
cttcctcccg acgcaragca aaccgcccag agtagaarat ggattggggc acgctgcaga 180

cgatcctggg gggtgtgaac aaacactcca ccagcattgg aaagatctgg ctcaccgtcc 240
tcttcatttt tcgcattatg atcctcgttg tggctgcaaa ggargtgtgg ggagatgarc 300
aggccgactt tgtctgcaac accctgcagc caggctgcaa gaacgtgtgc tacgatcact 360
acttccccat ctcccacatc cggctatggg ccctgcagct gatcttcgtg tccacgccag 420
cgctcctagt ggccatgcac gtggcctacc ggagacatga gaagaagagg aagttcatca 480
agggggagat aaagagtgaa tttaaggaca tcgaggagat caaaacccag aaggtccgca 540
tcgaaggctc cctgtggtgg acctacacaa gcagcatctt cttccgggtc atcttcgaag 600
ccgccttcat gtacgtcttc tatgtcatgt acgacggctt ctccatgcag cggctggtga 660
agtgcaacgc ctggccttgt cccaacactg tggactgctt tgtgtcccgg cccacggaga 720
agactgtctt cacagtgttc atgattgcag tgtctggaat ttgcatcctg ctgaatgtca 780
ctgaattgtg ttatttgcta attagatatt gttctgggaa gtcaaaaaag ccagtttaac 840
gcattgccca gttgttagat taagaaatag acagcatgag agggatgagg caacccgtgc 900
tcagctgtca aggctcagtc gcyagcattt cccaacacaa agattctgac cttaaatgca 960
accatttgaa acccctgtag gcctcaggtg aaactccaga tgccacaatg gagctctgct 1020
cncctaaagc ctcaaaacaa aggcctaatt ctatgcctgt cttaattttc tttcacttaa 1080
gttagttcca ctgagacccc aggctgttag gggttattgg tgtaaggtac tttcatattt 1140
taaacagagg atatcggcat ttgtttcttt ctctgaggac aagagaaaaa agccaggttc 1200
cacagaggac acagagaagg tttgggtgtc ctcctggggt tctttttgcc aactttcccc 1260
acgttaaagg tgaacattgg ttctttcatt tgctttggaa gttttaatct ctaacagtgg 1320
acaaagttac cagtgcctta aactctgtta cacttttgg aagtgaaaac tttgtagtat 1380
gataggttat tttgatgtaa agatgttctg gataccatta tatgttcccc ctgtttcaga 1440
ggctcagatt gtaatatgta aatggtatgt cattcgctac tatgatttaa tttgaaatat 1500
ggtcttttgg ttatgaatac tttgcagcac agctgagagg ctgtctgttg tattcattgt 1560
ggtcatagca cctaacaaca ttgtagcctc aatcgagtga gacagactag aagttcctag 1620
tgatggctta tgatagcaaa tggcctcatg tcaaatattt agatgtaatt ttgtgtaaga 1680
aatacagact ggatgtacca ccaactacta cctgtaatga caggcctgtc caacacatct 1740
ccctttcca tgactgtggt agccagcatc ggaaagaacg ctgatttaaa gaggtcgctt 1800
gggaatttta ttgacacagt accatttaat ggggaggaca aaatggggca ggggagggag 1860
aagtttctgt cgttaaaaac agatttggaa agactggact ctaaattctg ttgattaaag 1920
atgagctttg tctacttcaa aagtttgttt gcttacccct tcagcctcca atttttaag 1980
tgaaatatac tataacagtg aaagatagaa gcyaaggtta gataatatga gcrtctakag 2040
gaagrattga aacccccctt tg 2062

<210> 1532
<211> 1158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 1532
cccgcgcgag gcgaagtcgc tgagactctg cctgcttctc acccagctgc ctcggcgctg 60
ccccggtcgc tcgccgcccc tccctttgcc cttcacggcg cccggccctc cttgggctgc 120

ggcttctgtg cgaggctggg cagccagccc ttccccttct ntttctcccc gtcccctccc 180
cccgaccgta gcaccagagt cgcgggtcct gcagtgcccc agaagccgca cgtataactc 240
cctcggcggg taactcattc gactgtggag ttcttttaat tcttatgaaa gatttcaaat 300
cctctagaag ccaaaatggg acacagtaaa cagattcgna ttttacttct gaacgaaatg 360
gagaaactgg aaaagaccct cttcagactt gaacaagggt atgagctaca gttccgatta 420
ggcccaactt tacagggaaa agcagttacc gtgtatacaa attacccatt tctggagaaa 480
catttaatag agaaaaattc cgttctcagg attgggaaaa tccaacagaa agagaagatg 540
attctgataa atactgtaaa cttaatctgc aacaatcggg ttcatttcag tattattycc 600
ttcaaggaaa tgagaaaagk ggtggagktt acatagttgt gsmccccatt ttacgtgttg 660
ktgctgataa tcatgtgcta cccttggact gtgttactct wcagacattt ttagcwaagt 720
gtttgggacc ttttgatgaa tgggaaagca gacttagggt tgcaaaagaa tcaggctaca 780
acatgattca tttyacccca ttgcagactc ttggactatc taggtcatgc tactcccttg 840
ccaatcagtt agaattaaat cctgactttt caagacctaa tagaaagtat acctggaatg 900
wtgttggaca gctagtggaa aaatttaaaaa aggaatggat tgtttttttgt attactgatg 960
ttgtctacaa tcatactgct gctaatagta attgtatcca ggaacaccca gaatgtgcct 1020
atattcttgt gatttctcca cactaaaacc ctgcctggtt cttagacaga gcactttggc 1080
ttttctcctg tgatgttgca gaagggaaat acaaagaaaa gggaatacct gctttgattg 1140
aaaatgatca ccatatga 1158

<210> 1533
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<400> 1533
gggtgttcac tattgtgaat ttataatctt aaaagttggg gatgctaaaa gtaccagact 60
aaaatamtac gaggttttct catcttttaa ttccattttg ttagaaaaaa atartcacaa 120
ccggggttct tttacctttc cccagccatc tagactgctt tactgcaatg ttgggaagat 180
tgcatacaat aaaaactgta gctagttgat tgggatttgg gaaaattgaa tcaagcattt 240
gcattcatcc agaatggtct taaactgctg actgtggggt gcccacagga tgagcactgg 300
tggcatgggt gggaggaatt tccttggata ctgcaattgc atttgaaaga tctattttcc 360
aaaacctgag cagagagagg ctaggaggaa tgcagacagg acattgaaaa tgcgaattcc 420
ctttactagt agaacatgaa atatctgata aatggtttaa aaaaaataag tgccaggata 480
cattgtagta taaaggttca actagtataa tttaaaatga gtctttatat tcaggnccag 540
gtgcggtggc tcacacctgt taatncccag cacttt 576

<210> 1534
<211> 901
<212> DNA
<213> Homo sapiens

<400> 1534
gtgcgcgccg gtcctgcggc agctggccca agacccggag ccgaaaggaa gtgttggagc 60
ctgaggtcgc tccggccgct aggaggacgc tgtgcctggc ctgggacctc cgctcccgcc 120
caccgccctg gagccgctga gggacgtcca cgtgggcctg tccccgccga gccgcggccc 180
tgtccgctgg cgctgctctc gggccactac ctctactacc actacggctg cgacggcctg 240
gacgaccgcg gctggggytg cggctaccgc actctgcaga cgctgtgctc gtggccagag 300
ggccagcccg cgggcgtacc tggactggcc gccgtacagg cggccctgga ggacatgggc 360
gacaagcccc ccggcttccg gggctcccgg gactggatcg gctgcgtgga ggccagcctc 420
tgcctcgctc acttcggagg gccccaggga cgcctctgcc acgtaccccg gggagtgggg 480
ctgcacgggg agstggagag gctttactcg cacttcgcag ggggtggggg cccagtcatg 540
gttggggggg acscagatgc caggtccaag gccttgctgg gartctgcgt cgggtcaggc 600
acggaagcct atgtcctggt attggaccct cactactggg gcactccaaa aagccccagt 660
gaactacagg ctgctgggtg ggtgggctgg caagaggtga gtgcagcctt tgaccccaac 720
tccttctaca acctgtgctt gaccagcctt agctcccaac agcagcagcg caccttggac 780
tgaggacgaa gttacagaac tgagattctc gggtcccaga cacgcaccta tgtacctccc 840
actggtgtcc ctgcaaagcc tggcgctttt gacatcaata ataaaagtgg cagggctgag 900
c 901

<210> 1535
<211> 1152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1147)
<223> n equals a,t,g, or c

<400> 1535
cacccncatt aagggancaa agctggtgct ccaccgcggt ggcggccgct ctagaactag 60
tggntccccc gggctgcagg aattcggcac gagctctttc aggctttaat agatattcaa 120

gaattttatg aagtgacctt actggataat ccaaaatgta tagatcgttc aaagccgtct 180
gaaccaattc aacctgtgaa tacttgggag atttccagcc ttccaagctc tactgtgact 240
tcagagacac tgccaagcag ccttagccct agtgtagaga aatacaggta tcaggatgaa 300
gatacacctc ctcaagagca tatttcccca caaatcacaa atgaagtgat aggtccagaa 360
ttggttcatg tctcagagaa gaacttatca gagattgaga atgtccatgg atttgtttct 420
cattctcata tttcaccaat aaagccaaca gaagctgttc ttccctctcc tcccactgtc 480
cctgtgatcc ctgtcctgcc agtccctgct gagaatactg kcatcctacc caccatacca 540
caggcaaatc ctccccsagt actggtcaac acagatagct tggaaacacc aacttacgtt 600
aatggcacag atgcagatta tgaatatgaa gaaatcacac ttgaaagggg aaattcaggg 660
cttggtttca gcattgcagg aggtacggac aacccacaca ttggagatga ctcaagtatt 720
ttcattacca aaattatcac agggggagca gccgcccaag atggaagatt gcgggtcaat 780
gactgtatat tacgagtaaa tgaagtagat gttcgtgatg taacacatag caaagcagtt 840
gaagcgttga aagaagcagg gtctaytgta cgcttgtatg taaaaagaag gaaaccagtg 900
tcagaaaaaa taatggaaat aaagctcatt aaaggtccta aaggtcttgg gtttagmatt 960
gctggaggtg ttggaaatca gcatattsct ggggataata gcatctatgt aaccrraata 1020
attgaaggag gtgcagcaca taaggatggc aaacttcaga ttggagataa acttttagca 1080
gtgaataacg tatgtttaga agaagttact catgaagaag cagtanctgc cttaaagagc 1140
acatctnatt tt 1152

<210> 1536
<211> 1532
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<400> 1536
gaagaggacc tcgatactgt ccctccattg aatcaaaagt tttgcgtttt ccaaaccgtc 60
tacatcaggt ttggttggaa cctgaaggaa tggattctga ccttatctac ccacaggggt 120
tatctatgac gctaccagct gagttacaag agaaaatgat cacatgcatc agaggcttgg 180
agaaagctaa agtgattcag ccaggctacg gtgntcagta tgattactta natccccgtc 240
agatcacccc ttccctggan actcatttgg ttcaacgact cttctttgct ggacagatca 300
atggcaccac tggttatgag gaagctgcag ctcaaggtgt gatagccgga atcaacgcca 360
tcttcgggtc agtcgcaagc ctccctttgt ggttagccga acagaaggtt acataggagt 420
cttgattgat gacctcacta ctctgggcac caktgaacca taccgcatgt ttaccagccg 480
agtagagttc cgtttgtcac tgcgccctga taatgctgac agccggctca cactgcgagg 540
gtataaagac gctggctgtg tgtcccaaca acgatatgaa agagcttgtt ggatgaagtc 600
ttctttagaa gaaggcattt ctgtgttgaa atctattgag tttttgagct ctaaatggaa 660

aaaattaatc ccagaggctt ctataagtac tagtagaagt ctgcctgtca gagctctcga 720
tgttctgaag tatgaggaag ttgacatgga ttcattagcc aaggctgttc cagagccctt 780
gaagaagtat actaaatgta gagagctggc tgaaagactg aaaatagaag ccacttatga 840
atcagtgttg ttccatcaac tacaagaaat aaagggagtt cagcaagatg aagctctcca 900
actgccaaaa gacctagatt atttgactat cagggatgtg tctttgtccc atgaagttcg 960
agagaaacta cattttagtc gtccacagac gatcggggct gctagtcgca tacccggagt 1020
aacacctgcc gccatcatca atctgctgag atttgtgaag accactcaac gaagacagtc 1080
ggctatgaat gaatcatcca agactgatca atacttatgt gatgcagaca gacttcaaga 1140
gagagagtta tagctttcaa ttcataaaag atttttaaag agcatataaa taatttgatc 1200
aatacaacag tatagataaa agaattattt agcacatgtt aaaatagctt tattaggtta 1260
ctatgggttt gccattaatt tctgagtggg acagaaatta taattgtgct ttttcgtgta 1320
tatgaaaaaa ctagtcgtaa acaatttgta ctctttcttt aaggagctgt aatacaaata 1380
actttgtgca gtgttcatca aagagagaga cagtgaacct aaaactgaac ctggaataaa 1440
actcaacatg cagatttgcc tactcatagg gactttgcct attaagtcta ccaaattaaa 1500
agtcttatca ttcaaaaaaa aaaaaaaaaa aa 1532

<210> 1537
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<400> 1537
cttgggtatc ggctattgcc tgagtgtgct agagtcctcg aagagtaact gctgacctta 60
ttcactggct gtgggcctta tggcacagtc agtcaccagg ttagagacat gcttcacatt 120
cacctaccca caaactagtg gatgataaat tttggctatt cagaagacgt ttattatagg 180
agtatgtaga ttttccatag agtgctgtta tgtgacttga attttagtct cggccctgcc 240
tctgacattg tcggtggttt atcctggttc caggaaataa gactagcctt ttcctcatga 300
tagtctttgg tggtttttaa aacagttgtt taagtcaaca gatgtatcat atgcctgaca 360
ctgctctaca ccagtgaata atttacactc taataggggg tggtaactat aaagatgata 420
aacatagcat cttaattggn gtgtgtatga aggtggttgt tacctcttnc tagccaccca 480
gg 482

<210> 1538
<211> 723
<212> DNA
<213> Homo sapiens

<400> 1538
gagaccggaa atatgaaagg ataagttcag gatgtattcg ttccaagtcc ctttctctgc 60
aaatgcgcca cagcaagtat tggaagggcc ccccggcagc cagtccggcc atgtctccca 120
caaccctgtt ggtcactgga gccacttccc tgcccacgcc agcaccctat gccatgcctg 180

agttccagcg ggtcaccatc agcggagatt actgtgccgg gatcactttg gaggactatg 240
agcaggcagc caagagtctg ccaaggccct aatgatccgg gagaagtatg cgggctcgcc 300
tacccacctt cccgcggatc acatcccagt acctgggtca tcgcgggcgg atactgcacc 360
tccggaagag ggccttccag acttccaccc tcctccactg ccccaggaag acccctactg 420
cctggatgat gcacccccca acctggatta cttggtccac atgcaggggg gcatcctctt 480
tgtgtatgat aacaagaaga tgctggagca ccaggagccg cacagcctac cctaccccga 540
cctggagacc tacacggtgg acatgagcca catcctggct ctcatcaccg atggccccac 600
gaaaacctat tgtcaccggc gactgaactt tctggaatcc aagttcagcc ttcatgagat 660
gttaaacgaa atgtccgagt tcaaagagtt gaagagtaac ccccaccggg acttctataa 720
cgt 723

<210> 1539
<211> 937
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<400> 1539
taataatgtg tagagctaaa ggaagcagtg gagacaacct gaagtagaag tgtttcacag 60
agaatgctaa tttctggagc ctgagccact actttttttt tttttaaaca gatagaacag 120
acttagcttt ctgaagagct ttaaaaactc ttgatgcctg tgcctgttac tacagaatgc 180
tctgctgtct gcctttagag tgtagaaatc ctagttagac tagtattctg gctacttctg 240
tagtctaaac atttacttct tgaggggctt ggggcattta ttcagagcca aggctctggt 300
tcattaagga taagaggaat ggaataatta aagacatcgg tcatcaacta attcccattc 360
ctcctttcct tgctccttgt ttcctcagct gtaaaatcac aatgattctg atacccccact 420
ttataatatt gctctgagga ttaaatttgg taatcaacat aaagcactga tcacattgcc 480
cagtgcatag taagcgctct aaatatctgc tatttttatc atgtagtgtt ggttgaaatt 540
ggttttgngt tctccactct tagtttaaaa aatagtatga gtcgaatgtt tcatattgcc 600
ctgtctcagg ggaaaaaaaa aattgctttt tgcatagctc tcagttgatt cccactcact 660
atgatggcta tatagaacac aagttctcta ccatttctgc agtattttaa aaattccttt 720
aaaaaactaa atatttattg tgggacaaaa tattatatgc ttacttagaa tattgggaag 780
atggtaaaga atacaaagaa aaaaacaatt gtacccctca ttctagacac aacttgctgt 840
tcacgtcttt ggggtgtatt tccattccta ctagatggaa ccatttatat gtttacctaa 900
ttcggatcat gttgcataca gttttgttcc cttcaaa 937

<210> 1540
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<400> 1540
ggccgtggcc accaagcccg ggcgcagttt ctctccgccc acggcaggag cgaaggaagg 60
ccctggngcg agcgggtaaa ctgcccaccg ggcggcccac ccgctgcgcc cccggcccgc 120
aagaggcagt cccaataggt tggcccgnct ggccgaagtc cgcccggagc ccgctcacct 180
gtcagccccc actgccgaca gggacactaa caggtgaaga tctcgggaga ccatgactaa 240
gaaaagaatt gctgtgattg ggggaggagt gagcggctct cttncatcaa gtgctgcgta 300
gaagaaggct tgggaacctg tctgctttga aaggactgat gacatcggaa gggctctgga 360
ggttccaggg a 371

<210> 1541
<211> 906
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<400> 1541
accaacctca ctaaagggac aaaagctgga gctccaccgc ggtggcggcc gctctagaac 60
tagtggatcc cccgggctgc aggcggagtg gggccctgca gcttccccgg gaggaaggag 120
acaggtcgca ggatgtctgg cagtggatgc tggagagtga gcggcagagc aagcccaagc 180
cccatagtgc ccaaagcaca aaaaaggcct acccccttgga gtctgcccgc tcgtctccag 240
gngaacgagc cagccggcac catctgtggg ggggcaacag cgggcacccc cgcaccaccc 300
cccgtgccca cctgttcacc caggaccctg cgatgcctcc cctgacccca cccaacangc 360
tggnttcagc tggaggaggm ctgtcgcagg ctagctgagg tgtcgaagcc cccaaagcag 420
cggtgctgtg tggccagtca gcagagggac aggaatcatt cggccactgt tcagacggga 480
gccacamcct tctccaatcc aagcctggct ccagaagatc acaaagagcc aaagaaactg 540
gcaggtgtcc acgcgctcca ggccagtgag ttggttgtca cttacttttt ctgtggggaa 600
gaaattccat accggaggat gctgaaggct cagagcttga ccctgggcca ctttaaagag 660
cagctcagca aaaagggaaa ttataggtat tacttcaaaa aagcaagcga tgagtttgcc 720
tgtggagcgg tgtttgagga gatctgggag gatgagacgg tgctcccgat gtatgaaggc 780

cggattctgg gcaaagtgga gcggatcgat tgagccctgg ggtctggctt tggtgaactg 840
ttggagcccg aagctctttgt gaactgtctt ggctgtgagc aactgcgaca aaacattttg 900
aaggaa 906

<210> 1542
<211> 979
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (735)
<223> n equals a,t,g, or c

<400> 1542
aatgaacaag ctgaatgagc tagagaaaat atgtgaaata ctgcaggctg aaaagtatga 60
nctcgtaact gagctgaatg attcaaggtc agaatgtatc acagcaacta ggaaaatggc 120
agaagaggta gggaaactac taaatgaagt taaaatatta aatgatgaca gtggtcttct 180
ccatggtgag ttagtggaag acataccagg aggtgaattt ggtgaacaac caaatgaaca 240
gcaccctgtg tctttggctc cattggacga gagtaattcc tacgagcact tgacattgtc 300
agacaaagaa gttcaaatgc actttgccga attgcaagwg aaattctmmt ctttacaaag 360
tgaacacaaa attttacatg atcagcactg tcagatgagc tctaaaatgt cagagctgca 420
gacctatgtt gactcattaa aggccgaaaa tttggtcttg tcaacgaatc tgagaaactt 480
tcaaggtgac ttggtgaagg agatgcagct gggcttggag gaggggctcg ttccatccct 540
gtcatcctct tgtgtgcctg acagctctag tcttagcagt ttgggagact cctcctttta 600
cagagctctt ttagaacaga caggagatat gtctcttttg agtaatttag aaggggctgt 660
ttcagcaaac cagtgcagtg tagatgaagt attttgcagc agtctgcagg aggagaatct 720
gaccaggaaa gaaanccctt cggccccagc gaagggtgtt gaagagcttg agtccctctg 780
tgaggtgtac cggcagtccc tcgagaagct agaagagaaa atggaaagtc aagggattat 840
gaaaaataag gaaattcaag agctcgagca gttattaagt tctgaaggca agagcttgac 900
tgccttagga gcagtatttg tcagacatga cagtggcaca gagctgacag cgtgactctg 960
agatgagtcc agttggcgc 979

<210> 1543
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)

<223> n equals a,t,g, or c

<400> 1543
gcccaactgg gaaaagaagt gtatccgtct tgctcttmaa accagggagc aacacattcg 60
gagagacaag gctaccagca acatctgtac agctcaggcc ctcttggcga atatggctgc 120
catgtttgca atctaccatg gttcccatgg gctggrgcat attgcctagg agggtacata 180
atgccacttt gattttgtca gaaggtctca agcgagcagg gcatcaactc cagcatgacc 240
tgttctttga taccttgaag attcagtgtg gctgctcagt gaaggaggtc ttgggncang 300
c 301

<210> 1544
<211> 652
<212> DNA
<213> Homo sapiens

<400> 1544
ccaaataaat ttgactgatg ccaaaactga agctgccaat gtaatgaaat gttaaggtgg 60
ccataggaca gtccttttaa taaaagcttc catgtaaaac caaaataaag gtcagtatag 120
aaagtatcat ggggtatata acaaactgaa tttttggctt ccaatccaaa ctgggctaaa 180
tggtatgttt attttaaaca aggaatttgc catggacaag atctatctgg cttactgtga 240
gttagaagta cgccctgccg taacactggt atttccacat agtatggaag aggaagagag 300
gaaaacttaa ttaagtgttg caaaattgtt tgaggaccta ttttggtcca ttccttatca 360
actccatgtg tgatttcaag ttatctaaag ggcatgtgac tttatttctg actaacatca 420
agttcctctc ctcatcataa caaggcgatt caaacctaaa ctgtgattct taggagatgc 480
ttccaagggg aagctccctc gttggacatc cagaagattg cattttctct tcagagtaca 540
attttccatc tgtcagagca tgtctgaata aaaatttgaa cctactacaa actacattag 600
aataattttc aagtattttt ctgtcacaaa aatggtgtga cagaatgtgt tg 652

<210> 1545
<211> 2236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2223)
<223> n equals a,t,g, or c

<400> 1545
gctctaagtc acgggaactg cccttgctac ttgtgacctg ccctttactc agcagttttt 60
gttctgggaa gccctgggat tctgctaata cctatcactg taggtgctga agggaaacag 120
atgaagaaca tgacctcaag gagcttcctg tcaatgagaa gaccaagctg acgcctggca 180
aagatattaa agaggagcct gaaactgttc cttggacatc ttatgaatgt cagaaaatac 240
cttttggagg gttagaagat caggggacat ggttgttcac atttgctgcc acggaacacc 300
gccagtcttc acttggaaac agaatcacgc cttgtgaaga gatcatccct aagcaggaga 360
gaagctacta aaggattgtg tcctcctcca ccttccctgt gctcggtctc cacctgtctc 420

ccattctgtg acgatggttc aatggaagag actctgccag ctgcattact tgtgggctct 480
gggctgctat atgctgctgg ccactgtggc tctgaaactt tctttcaggt tgaagtgtga 540
ctctgaccac ttgggtctgg agtccaggga atctcaaagc cagtactgta ggaatatctt 600
gtataatttc ctgaaacttc cagcaaagag gtctatcaac tgttcagggg tcacccgagg 660
ggaccaagag gcagtgcttc aggctattct gaataacctg gaggtcaaga agaagcgaga 720
gcctttcaca gacacccact acctctccct caccagagac tgtgagcact tcaaggctga 780
aaggaagttc atacagttcc cactgagcaa agaagaggtg gagttcccta ttgcatactc 840
tatggtgatt catgagaaga ttgaaaactt tgaaaggcta ctgcgagctg tgtatgcccc 900
tcagaacata tactgtgtcc atgtggatga gaagtcccca gaaactttca aagaggcggt 960
caaagcaatt atttcttgct tcccaaatgt cttcatagcc agtaagctgg ttcgggtggt 1020
ttatgcctcc tggtccaggg tgcaagctga cctcaactgc atggaagact tgctccagag 1080
ctcagtgccg tggaaatact tcctgaatac atgtgggacg gactttccta taaagagcaa 1140
tgcagagatg gtccaggctc tcaagatgtt gaatgggagg aatagcatgg agtcagaggt 1200
acctcctaag cacaaagaaa cccgctggaa atatcacttt gaggtagtga gagacacatt 1260
acacctaacc aacaagaaga aggatcctcc cccttataat ttaactatgt ttacagggaa 1320
tgcgtacatt gtggcttccc gagatttcgt ccaacatgtt ttgaagaacc ctaaatccca 1380
acaactgatt gaatgggtaa aagacactta tagcccagat gaacacctct gggccaccct 1440
tcagcgtgca cggtggatgc ctggctctgt tcccaaccac cccaagtacg acatctcaga 1500
catgacttct attgccaggc tggtcaagtg gcagggtcat gagggagaca tcgataaggg 1560
tgctccttat gctccctgct ctggaatcca ccagcgggct atctgcgttt atggggctgg 1620
ggacttgaat tggatgttc aaaaccatca cctgttggcc aacaagtttg acccaaaggt 1680
agatgataat gctcttcagt gcttagaaga atacctacgt tataaggcca tctatgggac 1740
tgaactttga gacacactat gagagcgttg ctacctgtgg ggcaagagca tgtacaaaca 1800
tgctcagaac ttgctgggac agtgtgggtg ggagaccagg gctttgcaat tcgtggcatc 1860
ctttaggata agagggctgc tattagattg tgggtaagta gatcttttgc cttgcaaatt 1920
gctgcctggg tgaatgctgc ttgttctctc acccctaacc ctagtagttc ctccactaac 1980
tttctcacta agtgagaatg agaactgctg tgatagggag agtgaaggag ggatatgtgg 2040
tagagcactt gatttcagtt gaatgcctgc tggtagcttt tccattctgt ggagctgccg 2100
ttcctaataa ttccaggttt ggtagcgtgg aggagaactt tgatggaaag agaaccttcc 2160
cttctgtact gttaacttaa aaataaatag ctcctgattc aaagtaaaaa aaaanaaaaa 2220
aanaaaaaaa actcga 2236

<210> 1546
<211> 356
<212> DNA
<213> Homo sapiens

<400> 1546
ggataatcct ctctccctgt tcccctcatt tggctgctcc agaccctgag aaacttctac 60
ctgtcccatg ccagctgagg gtgtctgagg agctgacatc aaccccatgg atctcctgaa 120
ctgtgctgga aggtagagac aggcagggag gcttcccatg ggtcasgaga acctgacccc 180
acaaatcaac tgatcttcaa gagacaggat ggagggaggg atcattctag agaaccctgc 240
tccttgttcc tccctgtggc aaaatctggc gccaggaaga gtttgagtgt gtaggcgtgt 300
gtgtgcaggt gtaagtgtgc aggcacgtgt gtgcaggtgt gtatgtacag ccgtgt 356

<210> 1547
<211> 1172
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (778)
<223> n equals a,t,g, or c

<400> 1547
gggattacag gcgtgaccac cgtgcccggc ctgattctct taaaattgaa gaggtgctgc 60
caaggccttc agatctaacg cagatgcata gaccttgttc ctggtacttg ttcagcctgt 120
gctggggagc cgtggtcccg agttccctgg gaggctgaca gggtcaagcc accctgccca 180
ccaccctccc acttcccctc ccctttcctc tccagcatta ggattcaagg gaaatctgca 240
tgaagccaat tttgagggta gacgtgtggg gaaaataaat cattatacag taagacctgg 300
ggcttgaggg gtggggaatg gggagggaag ggcatagcct gctgctccat gagtctgaca 360
tctcggaaac tgagcagctg ccggacgcct gggtcaggaa tccaagaccc cacctcttaa 420
ggactggttc ctcagaaagc accctcaggg aaaaaggtga aaacattaca tccgtggatt 480
ctcctgccac aaccgcattg gaagaaaagg ctgccgcaac atctcagcga ggagtgaagg 540
acccatgtcc caggaaccgc gctgcgccac ctgcactcac ccccctcaca ttctcttaag 600
cacccggtgg ccctccgagg cctggcggaa tggtggtgcc cacggggttg ggcaagggct 660
caccaggacc tcaacgggca aagttgtgca cactaaaata tcaaatcaag gtgcttggtt 720
ttaaagtaaa tgtttttcta aagaaagctg tgttcttctg ttgacccaga cgaatagngc 780
acagccctgt aactgcacgt gccttctgtc attgggaatg aaataaatta ttacgagaaa 840
gggacttgtc ctaactggtt tgaggcctta cagttttgka tctacatttt tcccctcctg 900
gggtttgcgg ggacagggac agaactacag gagtcatggg aaagaaaatt ctggcttcac 960
tactgctcac tgctcacttt ctgatcactc tgatactttt ttttttttt ttttgcaacc 1020
tgataccttg aaaagcttct atgtgtctct ccttttgttg cctggcagct gtctaggatg 1080
atcactgatt actatttact aagtagccac atgcaaataa aagttgtttg gtaaaatgga 1140
aaaaaaaaaa aaaaaaaaam aaaaaaaaaa aa 1172

<210> 1548
<211> 1423
<212> DNA
<213> Homo sapiens

<400> 1548
tgccttttct gtgagctatt tgttttggtt tgctgaaact agtccaaaac aggaaattta 60
acagacagcc acagccaaag agtgtcatgt gaattacaag aaatagagcc catttaggga 120
aagatagaac tagaaaggct tttcattata attccatgtt gaacaattga gtcatagctt 180
cttatctygg gaggaaggac acaattcaaa ggggcagtaa ggattttgta aaacgtggca 240
tccataattt actatggagc aagtgcccac atctctagga cattaagaca tttatgagaa 300
atctcaggat tcatcttctg tttttatgtt aaatgcactc cctccttttc agttaacatt 360
ataaaaagta aaaaatgaaa attttagaaa tcttgcatta gacacatgaa aaaataacta 420
aaagtttaaa tttaaatatg aaacaatttt gctgaaaata gtatccatat actatttaag 480
tcttttatgg ttatttcaag tatacaattt ctatctgtaa tgtaatatat tacccacaca 540
ttttttttcac aggagagaga gaatatcctc atttgtttat gctcatgtgt attttctata 600
gtgaatttca gaaacttta atatcaggta atttcaattt atgcctataa agcattgatt 660
gaaaaataac tagaattgtg catatataac acataatctc caacagaagt tactgaatac 720
attcatacta atgtaatgta atttcccttt atttcttgct cttctgtttc aaactgctgc 780
tattgtagtt tacatatccc aacctttaaa aatattcctc ttattagctt tatattcact 840
ttatagaagt tgagttttaa ttaaaattct tggcatcctg aagtatgtca catagcatgt 900
gctccttata aatatgttga tatctcagaa gacagcatcc cggttttcat tttataaagt 960
accatactta agaatgctgt aatacttatc ttttataaca tgtttccttc gctttgcttg 1020
tcttttatgt catcagtttt aactgtttac ttcatttaac agtttacatc attcaacagt 1080
ttacttcatt aaacagtagg tggaaaaata gatgccagtc tatgaaaatc ttcccatcta 1140

tatcaaaata cttttcaagg atatactttt caaaacaaac gatttaaatt ttatgkttaa 1200
aatataaact ttagatttaa actttattta aatatctggt tcctatgatt ttgacttcag 1260
taagktcaaa taaaatatat tttgcaattc atttttacat tataatttaa aaagaagaag 1320
cgataagtgg agtcagtttc aatgctaggt ggggtggtta atgatttttc tggtgttgct 1380
gctaatgtgg attaacaaat aaaaacattc attgcctttt aaa 1423

<210> 1549
<211> 457
<212> DNA
<213> Homo sapiens

<400> 1549
ggttctggag ctggaccagg aggagctgca gctgggccgg ggcggagcgc cgcgccgcgc 60
cagggccgcg aggaggggcg tgttgctgct ggcccaccgc gagccgcccc cagcccgcgc 120
cgaggcgcct tcccgccagg ccgcctgcct tccgcctctt tccatttccc cggaatctca 180
gcccggcgcg cctggacccc tgcccctctc tgggtggaga agctcccggc cgcttccggt 240
ttcactcctt ctcagcctgg gctcccagcc ccctctctcc ttttcctgga ctggctctca 300
ccccttcgg tcccttcct ttagctcagg ctccctaccc cttcctttag cccacaagcc 360
cagaagtccc aagcttctca gtcactttcc tyagccaaag gtcccagcct tccttcttcc 420
tttcctttgc actatcccta tcctgccctt tctctat 457

<210> 1550
<211> 977
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<400> 1550
acccacgcgt ccgaaacact agcagcaaaa agtaagggat accaattgtg agaaacaaat 60
cacaactgca catcaaatgt ttgctgacat tggatctgtg ctgtcttcca gttgtgccat 120
cctattttac tccttaagaa atgaggaaat tcctatttgg gggcatcaac tctccctcga 180
gaaaaacaaa gctgctaagt aagattccac ctagaaaang gggaaagctn tttccnggga 240

acaccattta tacccccaca caaaataata gcatgagctg tgttttagag gagatagggt 300
gccaaaccaa attcactcct ctcagatgat agtaaagatc aaaagnattc gaagggagtt 360
ggtaaacgct ggtgtggtac atgtggcttt sctcactcat gtggatagca tggattttga 420
ttacaaaagg tgacctatag aaatagagag atgtgagcct gtgaggtcca agctagagga 480
agtccaaaga aaacttggat ttgctctttc tgacatctcg gtggttagca attattcctc 540
tgagtgggag ctggaccctg taaaggatgt tctaattctt tctgctctga gacgaatgct 600
atgggctgca gatgacttct tagaggattt gccttttgag caaataggga atctaaggga 660
ggaaattatc aactgtgcac aaggaaaaaa atagatatgt gaaaggttca cgtaaatttc 720
ctcacatcac agaagattaa aattcagaaa ggagaaaaca cagaccaaag agaagtatct 780
aagaccaaag ggatgtgttt tattaatgtc taggatgaag aaatgcatag aacattgtag 840
tacttgtaaa taactagaaa taacatgatt tagtcataat tgtgaaaaat aataataatt 900
tttcttggat ttatgttctg tatctgtgaa aaaataaatt tcttataaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaaaa 977

<210> 1551
<211> 2540
<212> DNA
<213> Homo sapiens

<400> 1551
tgcaactgtg cacccagctt gccagatttt tccccattac acccccagtg tggcatatcc 60
ttggtcccca gaggcacacc ccttgatctg tggacctcca ggcctggaca agaggctgct 120
accagaaacc ccaggccccc gttactcaaa ttcacagcca gtgtggttgt gcctgaytcc 180
tcgccagccc ctggaaccac atccacctgg ggaggggcct tctgaatgga gttctgacac 240
cgcagagggc aggccatgcc cttatccgca ctgccaggtc tgtcggccca gcctggctca 300
gaggaggaac tcgaggagct gtgtgaacag gctgtgtgag atgttcaggc ctagctccaa 360
ccaagagtgt gctccagatg tgtttgggcc ctacctggca cagagtcctg ctcctgggaa 420
aggaaaggac cacagcaaac accattcttt ttgccgtact tcctagaagc actggaagag 480
gactggtgat ggtggagggt gagagggtgc cgtttcctgc tccagctcca gaccttgtct 540
gcagaaaaca tctgcagtgc agcaaatcca tgtccagcca ggcaaccagc tgctgcctgt 600
ggcgtgtgtg ggctggatcc cttgaaggct gagtttttga gggcagaaag ctagctatgg 660
gtagccaggt gttacaaagg tgctgctcct tctccaaccc ctacttggtt tccctcaccc 720
caagcctcat gttcatacca gccagtgggt tcagcagaac gcatgacacc ttatcacctc 780
cctccttggg tgagctctga acaccagctt tggcccctcc acagtaaggc tgctacatca 840
ggggcaaccc tggctctatc attttccttt tttgccaaaa ggaccagtag cataggtgag 900
ccctgagcac taaaaggagg ggtccctgaa gctttcccac tatagtgtgg agttctgtcc 960
ctgaggtggg tacagcagcc ttggttcctc tgggggttga gaataagaat agtggggagg 1020
gaaaaactcc tccttgaaga tttcctgtct cagagtccca gagaggtaga aaggaggaat 1080
ttctgctgga cttcatctgg gcagaggaag gatggaatga aggtagaaaa ggcagaatta 1140
cagctgagcg gggacaacaa agagttcttc tctgggaaaa gttttgtctt agagcaagga 1200
tggaaaatgg ggacaacaaa ggaaaagcaa agtgtgaccc ttgggtttgg acagcccaga 1260
ggcccagctc cccagtataa gccatacagg ccagggaccc acaggagagt ggattagagc 1320
acaagtctgg cctcactgag tggacaagag ctgatgggcc tcatcagggt gacattcacc 1380
ccagggcagc ctgaccactc ttggcccctc aggcattatc ccatttggaa tgtgaatgtg 1440
gtggcaaagt gggcagagga ccccacctgg gaacctttt ccctcagtta gtggggagac 1500
tagcacctag gtacccacat gggtatttat atctgaacca gacagacgct tgaatcaggc 1560
actatgttaa gaaatatatt tatttgctaa tatatttatc cacaaatgtg gtctggtctt 1620
gtggttttgt tctgtcgtga ctgtcactca gggtaacaac gtcatctctt tctacatcaa 1680
gagaagtaaa ttatttatgt tatcagaggc taggctccga ttcatgaaag gatagggtag 1740
agtagagggc ttggcaataa gaactggttt gtaagcccct aaaagtgtgg cttagtgaga 1800
tcagggaagg agaaagcatg actggattct tactgtgctt cagtcattat tattatactg 1860

ttcacttcac acattatcat acttcagtga ctcagacctt gggcaaatac tctgtgcctc 1920
gctttttcag tccataaaat gggcctactt aatagttgtt gcaggactta catgagataa 1980
tagagtgtag aaaatatgtt ccaaagtgga aagttttatt cagtgataga aaacatccaa 2040
acctgtcaca gagcccatct gaacacagca tgggaccgcc aacaagaaga aagcccgccc 2100
ggaagcagct caatcaggag gctgggctgg aatgacagcg cagcggggcc tgaaactatt 2160
tatatcccaa agctcctctc agataaacac aaatgactgc gttctgcctg cactcgggct 2220
attgcgagga cagagagctg gtgctccatt ggcgtgaagt ctccagggcc agaaggggcc 2280
tttgtcgctt cctcacaagg cacaagttcc ccttctgctt ccccgagaaa ggtttggtag 2340
gggtggtggt ttagtgccta tagaacaagg catttcgctt cctagacggt gaaatgaaag 2400
ggaaaaaaag gacacctaat ctcctacaaa tggtctttag taaaggaacc gtgtctaagc 2460
gctaagaatg cgcaaagtat aaattatcag ccggaacgag caaacagacg gagttttaaa 2520
agataaatac gcatttttt 2540

<210> 1552
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (605)
<223> n equals a,t,g, or c

<400> 1552
tcttacatta tggctcccga ggggaagcna ttacttttt aaattttaaa ttttttttt 60
aattgcactt cttgtaaaga gtgagaaaaa aaatcaaagg cgctttgaaa caggggctct 120
ctgtgcaagg atgactaagt gtacgtcttt ccgtgtgtgt atgctggtga acagtcagat 180
ttatttatat ttttttgcaa gcattgaata atctaagttt taaatattat ttatccccat 240
ccgttcgtat ttatattaaa gaattctgta ccctgatggt tcagaagggt tcttgggcct 300
tttgttcmat tgtgtattgg cgtacttaga attttttta tttgaaagag aaatataatt 360
cctttaaacg gtaacgatgc aataaaacca gagaagatcc agcttttgaa aacagtgatt 420
taggtttgta acatccggca aaactgaaaa aaaaaatctg taaacgcgaa aaatactaga 480
tttgttttga gagttcttca ttccttgctg ctcacattct gagaaacaaa aagaaataaa 540
gtttttattc tgaataatat ccgtnttaan aaggggttct ttggccgaag acgtgggtct 600
gcgtngaa 608

<210> 1553
<211> 784
<212> DNA
<213> Homo sapiens

<400> 1553
tggccgaggt gttgcggacc tggccgtctc acaggtcctt ccccaggtcc aagaggctct 60
tctgtgtcct gatgacaagt agctgcctag ccgtggtggc acctcctatc acatgttaag 120
ggacccctcc ccagggccac acctggcaga aggtggctta tgatgttcgc agcttgaaag 180
tagtgtaaac caaagataaa attctaagcc cactccccca gccatcggaa tggacccctc 240
ctcttggcca gggcactcca aagttaacct gaaaaaccgg ttcaggctgt gaagagaagg 300
tggagtggac atgcctcatt tatgtcctcc tccctttgg aattcagcaa agctgaccag 360
catgaacatt aacacagacc ttaagtctga ttagtggcat ttacaatcta tactctctga 420
agcgtgctac ctggagtctt cctttgcatg ataaaacttt ggtctccaca acccctatc 480
ataacctaga cactcctttc tagtgataat aactctttca accaattgcc aataaaaaaa 540
ttttgaatct acctataacc tggaacctcc ccgctccacc ttcgagttgt cctacctttc 600
tggacagaag caatgtggat cttgcatgta tttgattgat gtctcatgtc tccctaaaat 660
gtatacaatt aggctgtgcc cagatcaccc tgggcacatg ttctcaggcc ctcctgaggt 720
ctctgtctcg ggccattggt cactcagatt cggctcagaa taaatctctt caaatattaa 780
aaaa 784

<210> 1554
<211> 1931
<212> DNA
<213> Homo sapiens

<400> 1554
ggcctctggc tgctctgtta acgtgtcccg cgagcgaggc gcgtcgcaaa aggtcgcggc 60
ggaacttccc tgcgcttttc agaccatact ctttacggta ctaggcactg ctgagctggg 120
agatgtcggc ggcgtgttgg gaggaaccgt ggggtcttcc cggcggcttt gcgaagsggg 180
tcctggtgac cggcggtgct ggtttcattg catcacatat gattgtctct ttagtggaag 240
attatccaaa ctatatgatc ataaatctag acaagctgga ttactgtgca agcttgaaga 300
atcttgaaac catttctaac aaacagaact acaaatttat acagggtgac atatgtgatt 360
ctcactttgt gaaactgctt tttgaaacag agaaaataga tatagtacta cattttgccg 420
cacaaacaca tgtagatctt tcattcgtac gtgcctttga gtttacctat gttaatgttt 480
atggcactca cgttttggta agtgctgctc atgaagccag agtggagaag tttatttatg 540
tcagcacaga tgaagtatat ggtggcagtc ttgataagga atttgatgaa tcttcaccca 600
aacaacctac aaatccttat gcatcatcta aagcagctgc tgaatgtttt gtacagtctt 660
actgggaaca atataagttt ccagttgtca tcacaagaag cagtaatgtt tatggaccac 720
atcaatatcc agaaaaggtt attccaaaat ttatatcttt gctacagcac aacaggaaat 780
gttgcattca tgggtcaggg cttcaaacaa gaaacttcct ttatgctact gatgttgtag 840
aagcatttct cactgtcctc aaaaaaggga aaccaggtga aatttataac atcggaacca 900
attttgaaat gtcagttgtc cagcttgcca aagaactaat acaactgatc aaagagacca 960
attcagagtc tgaaatggaa aattgggttg attatgttaa tgatagaccc accaatgaca 1020
tgagataccc aatgaagtca gaaaaaatac atggcttagg atggagacct aaagtgcctt 1080
ggaaagaagg aataaagaaa acaattgaat ggtacagaga gaattttcac aactggaaga 1140
atgtggaaaa ggcattagaa ccctttccgg tataatcacc atttatatag tcgagacagt 1200
tgtcaaagaa gaaagttatc ctacctcgcc aagtggtatg aaattaagtg accaaatgaa 1260
gtgcactctt ttcttttgga attagattca tgactttctg tataaaattc aaatgcagaa 1320
tgcctcaatc tttgggagag tttcagtact ggcatagaat ttaaatgtca aaattctttc 1380
tgaaaccctt tctcctagaa actaggaaat aataggtgta gaagactctc cctaagggta 1440

gccaggaaga agtctcctga ttcggacaac catgaggggt agtggtgcta gggagaaggc 1500
aaccttcact ggttttgaac tcagtgccta agaaagtctc tgaaatgttc gtttttaggc 1560
aatataggat gtcttaggcc ctaattcacc atttcttttt taagatctga tatgctatca 1620
ttgccttaat aatggaacaa aatagaagca tatctaacac tttttaaatt gataattttg 1680
taaaattgat tacgttgaat gctttttaag agaagtgtgt aaagttttta tattttcaca 1740
attaacgtat gtaaaacctt gtatcagaaa tttatcatgt ttactgttta aaatgattgt 1800
atttataaaa ttgtcaatat cttaatgtat ttaatgtaga atattgcttt ttaaaataat 1860
gtttttattt tgctgtagaa aaataaaaaa aaatttgatt ataaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa a 1931

<210> 1555
<211> 394
<212> DNA
<213> Homo sapiens

<400> 1555
agcatttctt ctgagttgtg cttgctgaac tcaaatacta ggtgatttgg taatgcgcct 60
aaagagcatg gggctcctcc tgccaattat aagcaaagac atcacatttg gagtttggca 120
agatcagaat atctcaggtt gagcacctgc tgaatgctag gattgtgtct atgcatttta 180
aatctatttt taatctttat tacagtctta taatagggat tatgacacca gaacagagac 240
agctgtctta agattwcaag gggtgctagc tgaagaaaac agagaggaaa gttgggaaga 300
agctggatcc ttgataacag ctgagccatg gacttaacca gtcttagatg agcgatacct 360
caccttcaga tttcatgtca taccacctga aata 394

<210> 1556
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<400> 1556
tgggacatgt cggtgaaccc gaatgcctag taaggcagct ctgatggagg aagccaagct 60
gatggcatct ctctggcact tggcagcgat ggccttcatt acttacgtgc tcctggctgg 120
gatggcactg ggcattcaga aaaggtcagt gccaagcccc tcccttaccc tcccctccct 180
gtgagctctt ctcccaacct ccctagggca tatgtggtgg tccccagctc accctctgtt 240
gccccagtct ctcttcctca cccctgcctc aggatgcctg gctctgagcc acccctgctt 300
tggcgcaggt tntncccgga ggtgctgggc ctgtgtgcaa gcacag 346

<210> 1557
<211> 1577
<212> DNA
<213> Homo sapiens

<400> 1557
cctccaagat ggccaccttt tttgcamagg cktwccccat cmaggggtc acagcccatt 60
caggtttgas cytgcwtggc ccmagctccy tcagtccctg cctggcaagt cctccatkgg 120
cacaacmasm ttcgcctggt ggaattttca gcttttctcg agcagcagcg agacccagac 180
tcgtacaaca aacacctctt cgtgcacatt gggcatgcca accattctta cagtgaccca 240
ttgcttgaat cagtggacat tcgtcagatt tatgacaaat ttcctgaaaa gaaaggtggc 300
ttaaaggaac tgtttggaaa gggccctcaa aatgccytct tcctcgtaaa attctgggct 360
gatttaaact gcaatattca agatgatgct ggggcttttt atggtgtaac cagtcagtac 420
gagagttctg aaaatatgac agtcacctgt tccaccaaag tttgctcctt tgggaagcaa 480
gtagtagwaa aagtagagac ggagtatgca aggtttgaga atgsccgatt tgtataccga 540
ataraccgct ccccaatgtg tgaatatatg atcaacttca tccacaagct caaacactta 600
ccagagaaat atatgatgaa cagtgttttg gaaamcttca caatyttatt gstggtaaca 660
amcagggata cacamgawac tctactctgc atggcctgtg tgtttgaagt ttcaaatmgt 720
gaacmcggag cacaacatca tatttacagg cttgtaaagg actgaacatg gttatttata 780
tatatagata tctgtatata cacacacaca tatgtgcaca cacacactct ctctccatta 840
tcgaacgact gactgtaaac ctcaccacac agggtggtgc cctggccccg aggtcacccc 900
gacttttcta aatcttgttt gagtgaagtc atttttttcat gtgttcatac tatcattgta 960
gctgtgaagt tctggtacag ttgtaaaaag agaaattgag ttgtttctct atgttcttca 1020
gatgtgcmgc ccacaattcc tcgggaaagg tgaacctgaa caacccaagt ctctctctgc 1080
agagccctgt ttctaattgt ggtagaaaat attgagacrg rgcatttgcc atgggacatt 1140
tacagccttt atacaaatgt atttagttct ctttttttcca acataaaatt cttgttttaa 1200
gatacaagta aaattaatct ttaaatataa atgtaaatta gtacacaaaa ctaagaatct 1260
ttagacttat ctttgtaact aattagggtg gaagttatga aagaatgtaa ttcactaaat 1320
tatttttaa atgaaacctt tttttttctt tttgaaacca aatgttaaac tatagcctta 1380
agaaatgctt ggtagaagtg tcctaatgag acaaatttgt acttttatcc tcaaggttaa 1440
cactaatctc ctaatccatt aaactcttga acaggtatta caaaggaaga aaacttcacc 1500
ccttatcctt aacatatata gtatatttaa aaaatataaa attgtattgt actaatgtga 1560
tgatggatta tttaatg 1577

<210> 1558
<211> 278
<212> DNA
<213> Homo sapiens

<400> 1558
gggcagacct gcgagagcag agggggcttc ggcaggcaac cgaccaccag gagctggtgg 60
aaatccccac caggccgctg ctgaccaagc tgagcctgat cacagcccca cggcggggag 120
agagggcgcc cgtccctcta cgtgcagggg gacatagtac aggagacaca gcgtgaggta 180
agaccaccgg cggggagggc ctgcacgtgg gccgggtgtc cacacccgat tgggtcttcg 240
gagggttccc cagcccggga tttcggagga gcccttca 278

<210> 1559
<211> 751
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<400> 1559
ntttgttcct gtcacctggg ttcatcttgt tgtgaagcac attaggtcca ggtccttccc 60
tctgggagtc tgactgtgaa actctttaac ccaacaactc aattagcccc tgtagataag 120
acatgcttcc cagagtgaga tttttgaaat ccccttttca tccagaacta tatttaccca 180
cctattgtaa ctattcarat agagcaaaat taggaggctt gataaatact aagaatttag 240
taccacagaa attatttatt attttccctg tagtccacaa ttagtgataa cgaatcctat 300
ttttgttaac tgtgacataa ctttgatgtc atatgttgtc ctatgtggtt cttcctaagt 360
aaactctgta ctgattatat actgacttag caatgtggcc ttggaatgct gagcaaaatg 420
tggatgtact ggttgtaaat gtttatatat tgtacagtac ctttatatat acacttgagg 480
ttctgattag agaaagatct gtaaattgct cattattttt tatatagata tttaaaaaaa 540
acagtttatg gcctgcattt ctttnactgt cacattggtt taatgttgct ttctaatggt 600
ggagctaggt cccatcatag tctgagtcct caaatagatt ttgtccctcc aagtaacaaa 660
ctttcaaagt cctaaaatca ggaagagtct tataataatg attttacctc tataggtata 720
cttttattta tttataaata gagtttgaaa t 751

<210> 1560
<211> 1938
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<400> 1560
agcaacctat agatcatgan aggcaacggt nanctgacag taccggtcgg aattcccggg 60
tcgacccacg cgtccrgcgg taaccgccac agctgccagc gacaggatgg agagcgactc 120
agactcagac aagagtagcg acaacagtgg cctgaagagg aagacgcctg cgctaaagat 180
gtcggtctcg aaacgagccc gaaaggcctc cagcgacctg gatcaggcca gcgtgtcccc 240
atccgaagag gagaactcgg aaagctcatc tgagtcggag aagaccagcg accaggactt 300
cacacctgag aagaaagcag cggtccgggc gccacggagg ggccctctgg ggggacggaa 360
aaaaaagaag gcgccgtcag cctccgactc cgactccaag gccgattcgg acggggccaa 420
gcctgagccg gtggccatgg cgcggtcggc gtcctcctcc tcctcttcct cctcctcctc 480
cgactccgat gtgtctgtga agaagcctcc gaggggcagg aagccagcgg agaagcctct 540

cccgaagccg cgagggcgga aaccgaagcc tgaacggcct ccgtccagct ccagcagtga 600
cagtgacagc gacgaggtgg accgcatcag tgagtggaag cggcgggacg aggcgcggag 660
gcgcgagctg gaggcccggc ggcggcgaga gcaggaggag gagctgcggc gcctgcggga 720
gcaggagaag gaggagaagg agcggaggcg cgagcgggcc gaccgcgggg aggctgagcg 780
gggcagcggc ggcagcagcg gggacgagct cagggaggac gatgagcccg tcaagaagcg 840
gggacgcaag ggccggggcc ggggtccccc gtcctcctct gactccgagc ccgaggccga 900
gctggagaga gaggccaaga aatcagcgaa gaagccgcag tcctcaagca cagagcccgc 960
caggaaacct ggccagaagg agaagagagt gcggcccgag gagaagcaac aagccaagcc 1020
cgtgaaggtg gagcggaccc ggaagcggtc cgagggcttc tcgatggaca ggaaggtaga 1080
gaagaagaaa gagccctccg tggaggagaa gctgcagaag ctgcacagtg agatcaagtt 1140
tgccctaaag gtcgacagcc cggacgtgaa gaggtgcctg aatgccctag aggagctggg 1200
aaccctgcag gtgacctctc agatcctcca gaagaacaca gacgtggtgg ccaccttgaa 1260
gaagattcgc cgttacaaag cgaacaagga cgtaatggag aaggcagcag aagtctatac 1320
ccggctcaag tcgcgggtcc tcggcccaaa gatcgaggcg gtgcagaaag tgaacaaggc 1380
tgggatggag aaggagaagg ccgaggagaa gctggccggg gaggagctgg ccggggagga 1440
ggcccccccag gagaaggcgg aggacaagcc cagcaccgat ctctcagccc cagtgaatgg 1500
cgaggccaca tcacagaagg gggagagcgc agaggacaag gagcacgagg agggtcggga 1560
ctcggaggag gggccaaggt gtggctcctc tgaagacctg cacgacagcg tacgggaggg 1620
tcccgacctg gacaggcctg ggagcgaccg gcaggagcgc gagagggcac ggggggactc 1680
ggaggccctg gacgaggaga gctgagccgc gggcagccag gcccagcccc cgcccgagct 1740
caggctgccc ctctccttcc ccggctcgca ggagagcaga gcagagaact gtggggaacg 1800
ctgtgctgtt tgtatttgtt cccttgggtt ttttttcct gcctaatttc tgtgatttcc 1860
aaccaacatg aaatgactat aaayggtttt ttaatgaaaa aaaaaaaaaa aaagggcggc 1920
cgctctagag gatccctc 1938

<210> 1561
<211> 889
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (886)
<223> n equals a,t,g, or c

<400> 1561
cagcaccccc agcctgctga cagcagacag actgggtcct caaaggctct ggcccagacc 60
ctcccaccac ccacggytgc tggtgaaagc aattctgtga cctgcaactg tggccaggag 120
gctgtgctgc tcactgtccg taaggagggc cccaaccggg gccggcagtt ctttaagtgc 180
aacggaggta gctgcaactt cttcctgtgg gcagacagcc ccaatccggg agcaggaggg 240
cctcctgcyt tggcatatag acccctgggc gcctccctgg gatgcccacc aggcccaggg 300
atccacctag gtgggtttgg caaccctggt gatggcagtg gtagtggcac atcctgcctt 360
tgcagccagc cctccgtcac acggactgtg cagaaggatg gacccaacaa ggggcgccag 420
ttccacacat gtgccaagcc gagagagcag cagtgtggct ttttccagtg ggtcgatgag 480
aacaccgctc cagggacttc tggagccccg tcctggacag gagacagagg aagaaccctg 540
gagtcggaag ccagaagcaa aaggccccgg gcaggttcct cagacatggg gtccacagca 600
aagaaacccc ggaaatgcag cytttgccac cagcctggga cacacccgtc ccttttgtcc 660
tcagaacaga tgagctcagg gtagggtaga gaacgccact ttyttcagac ctgtcccctt 720
tgtgtttagg aaatgagttt aaccagggac caagtgggcc attttagtgt tcctgggaaa 780
tttaggaggg acagtgtttg ggccttttgg agttgggggc tttctttgtt gttttaaggg 840
gggcacaaag gttcccagat ccattcttgg gagcagggcc agcttnttg 889

<210> 1562
<211> 1385
<212> DNA
<213> Homo sapiens

<400> 1562
ggtcggagcc gggtgtccag ccggaagcgg cacccggctg gccccccagg agaggcacag 60
gaggggagtg ccaaggctga gcggccaggc ctccagaaca tggagctggc gcctgtgcag 120
cgcaagatcg aggctcgctc ggcagaggac tccttcacag gcttcgtccg gaccctgtac 180
tttgctgaca cctacctgaa ggacagctcc cggcactgcc cctcgctgtg ggctggcacc 240
aatgggggca ccatctatgc cttctccctg cgtgtgcctc ccgccgagcg gagaatggat 300
gagcctgtgc gggcagagca ggccaaggag atccagctga tgcaccgggc gccggtggtg 360
ggcatcctgg tgctcgacgg acacagcgta ccccttccyg agcccctcga agtggcccat 420
gatctgtcga agagccctga catgcaggga agccaccagc tgctcgtcgt atcagaggag 480
cagttcaagg tgttcacgct gcccaaggtg agtsccaagc tgaagttgaa gctgacggcc 540
ctggagggct caagagtgcg gcgggtcagc gtggcccact tcggcagtcg tcgagccgag 600
gactacgggg agcaccacct ggcagtcctt accaacctgg gcgacatcca ggtggtctcg 660
ctgcccctgc tcaagcccca ggtgcgctac agctgcatcc gccgggagga cgtcatggca 720
tcgcctcctg cgtcttcacc aaatatggcc aaggcttcta cctgatctca ccctcggagt 780
ttgagcgctt ctctctctcc accaagtggc tggtggagcc ccggtgtctg gtggattcag 840
cagaaaccaa gaaccaccgc cctggtaacg gtgcgggccc caagaaggcc ccgagccgag 900
ccaggaactc agggactcag agtgatggcg aggagaagca gcccggcctg gtgatggagc 960
gcgctctgct cagtgatgag agagcggcaa ctggcgttca catcgagcsg ccgtggggtg 1020
cagcctcagc aatggcggag agtgagtggc tgagcgtcca ggctgcgcga tgagcacaca 1080
ctactactga tggcctttcg ggggtccctg ccccarccgg agaggccggt gcacagggcc 1140
ccgccagggg ctgggggcat cccggcttcc acaatgcagc tgctctgggc ctcgggagag 1200
gagagacccc agtcccctgg gctgcscttc ccgggcctcg tctgtctggg tcctttggtc 1260
aatgttgcac agtttttatt gctcccatcc ctttttgtag tgggctgggt tttaagttat 1320
aaatgttaac tgcctctggg tgaaaaagtt tttaataaac acctattacc tcttgactgg 1380
tcaaa 1385

<210> 1563
<211> 862
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (784)
<223> n equals a,t,g, or c

<400> 1563
cagacctggg atcncacaca cacacacttt cacacacaca cttcacacat cacacnactc 60
ccaccaccgt catgatggag gaattacgta tacattcata ttttgtattg attttkgatt 120
atgaaaatca aaawttttca catttgatta tgaaaatctc caaacatatg cacaagcaga 180
gatcatggta taataaatcc ctttgcaact ccactcagcc ctgacaaccc atccacacac 240
ggccaggcct gtttatctac actgctgccc actcctctct ccagctccac atgctgtacc 300
tggatcattc tgaagcaaat tccgagcatt acatcatttt gtccataaat atttctaaca 360
tccttaaata tacaatcgga attcaagcat ctcccattgt cccacaaatg tttggctgtt 420
tttgtagttg gattgtttgt attaggattc aagcaaggcc catatattgc atttatttga 480
aatgtctgta agtctctttc catctacaga gtttagcaca tttgaacgtt gctggttgaa 540
atcccgaggt gtcatttgac atggttctct gaacttatct ttcctataaa atggtagtta 600
gatctggagg tctgattttg tggcaaaaat acttcctagg tggtgctggg tacttcttgt 660
tgcatcctgt caggaggcag ataatgctgg tgcctctcta ttggtaatgt taagactgct 720
gggtgggttt ggagttcttg gctttaatca ttcattacaa agttcagcat tttacctgat 780
cgtntcagtg gtcattgatg atcattgctg agatccacac tatattaggg gcggcagaac 840
aggtgttttt ctaattctgc ta 862

<210> 1564
<211> 3107
<212> DNA
<213> Homo sapiens

<400> 1564
ggaatgtttc aaaaggatat gatgaactga ggcttatcga gtcagggagc agaaagctga 60
aataagaccg ctaagctcta aacaaatccg ttaaagcttc acagggcaga gcagaacaaa 120
aatagtatac tcaatgtata gtcggaaagc agccgaagaa gtgaagcgag aactgataaa 180
gttaaaagtg aactattaca ttctagaaga gtcatggtgt gtaagaagat ccaagcctgg 240
ttgcagtatg cctgaaattt gggatgtaga agatcctgcc aatgctggga aaactccctt 300
atgtaacctc ttggtgaagg attccaaacc tcacttcacc actgtattcc agaacagtgt 360
ttacaaagtc ctagaagttg taaaagaatg actgctacat gacctgctgc ctacggagaa 420
ctacatctgt aatggtttta atgttttgct aagtcatgtg ttgttcatat cccaaaaact 480
tttataggta actgttttca aatagaaaac gttttatttg gtcaatttga atgtcattct 540
aattataaaa atgacttaca cctttatcaa ttggttacta tttcaatgca ccctttaaaa 600
tttgctatgc aaatgagtat atgcttgtac ttgactttaa tatttgtgct aaagtgagca 660
aagctaactg tataaagaaa acacagtggg ttgtgacaag gatgacatga aaatacagga 720
caattctgac aatgtagggg ctgattttat agtgtaagaa ctattaatgc cccttgsttc 780
ttttttctgc ctcttgctct tgtcttttgg acatttcagt gattgtaagt tcttcggtca 840
tgtcagcccc tgtcatcaac ttgagttaca gtagatgggg cagacatgga gtgtttgcta 900
tatagaacta tctgtttgtt ttacttcctt gtgcgctttt tgttctctgt tctcttgtta 960
atgaagcttt tcctgcccat tattaatcca aactcttgga ccttgtggtt aggaaattcc 1020
cttaacttcc agccatatgg cattatcgtg tctctttctc tctctctctt gctctctctc 1080
ttctcctctt ccccatattt tctgtcaaat aagtactgtt tactcattta gttgcttatc 1140
aagtacttat tcttggtttt aaaaaaaatt aatggtaact gtatttttct catttttagc 1200
attattcaaa tgtttatatt ttaatacctt taaaccactt taaagttttt tcatgtttaa 1260
ttatagtttt aagaaaaact attttgaaca accccaaata tagtgcatct agaaactaat 1320
gtatatttga ttagacatca tttatagtgg aacagtagac tgtagtacat ggtaattttt 1380
cttttactat taagatacaa taaaacatga ctaattttgc tgtcaaaaat gtaaagaata 1440
atgataaatg gagtttttat attttacttt taagattgcc tgtctttaat aagacaaagc 1500
cttaagcctt atgttataat tttggttcta aaaaccatca tttcagtata aggaataagt 1560
atatttcgtc ctcctcctta gtttttttct tcctatttat ttttattttg aaaaatttct 1620

acaccttctt tgaattcctt gtatgaattt ttgtttctta gaagttaatt tgtgtgaaat 1680
gagattcttc aaaacgatga aacctcatag ctctgagaaa aggttttagg gttttaaatt 1740
ctaagcaaag cgtgactatg gctgacagac tacacattta attatacagc ttctctttct 1800
taaccacagg cagattaacc tcattgtgga ttgtccttca gaccttagtc ctcaggcatg 1860
gtttctggtg cccactcctg gaagccgctg ttccctttct accttcttac cagagcccaa 1920
gggcaggcct ggtcccgggg aagcagcagc ttgctgacat aagtcagctg caaaggctga 1980
ggagtgtgcc ctcagagaag caccgccccc cagtcttgtg ccagcgccta gagccgcagc 2040
tcccagggat gctccttccc tggaggcagc ccaggagagg gactctggca gcgttcttca 2100
gatttgtggc cactgtttct catttgctgg ttgactgttt ttatttctta ggcttttgct 2160
agttttagaa aatagggaag cagcccttga tttgtggatt aaaagcaaca tttgagcgat 2220
gatgcacaac agtccaggaa aatgggcggt ggacacttga ggctgaggat gggagttgac 2280
atgagcaggg agagggaggt gcgcgctgct tatctgtgat tgttgctcac ctgagtgtgg 2340
ctgattgtgt acatccagca gttacaattt ttaaaaatta tacttttaca tttattttat 2400
atttttctca cccccagtaa tttccttcca aagaagttca catgtaataa gtagaaattc 2460
tgtataggaa aaaagcatta aaaatactat tataactgct tcatttgctg ggaaccatta 2520
aaagtaatat aaattagctt tttccagaag gatccttttg tagcagtgtt tatgaatgta 2580
acccccagca aaatatggct atatattagg ggagccagtt tggagcagag gcctgaaggt 2640
ccctgctatg cagccgtggc cacagctcgc agcccaagca ctgtggagca tccacacctt 2700
tgatggcaat gcagattggt agcaggttcc ataggcgtac aaaacagtat taaagctcag 2760
tgttttgcat attgttagca tttacaaata tttttgcttt agtatgagga aagtaaggat 2820
gggcaaagaa gcgatcaaaa tagctattgc tacaacattt tcgaaaacaa agttggggct 2880
gtatttcttt aaaaagataa gcctctaaaa atgcttggca aaaaaaatat agtgttaaaa 2940
taggccagtg atattaatga gaaaatgaaa gtatgtatca ggaataaagt gatattgcat 3000
aggagtattg tatttttatg aattttatgc cagttgttta catgtactat atatgttaaa 3060
ttaaaaaaaa tcatgagtaa tgaaaaaaaa aaaaaaaaaa aaaaatt 3107

<210> 1565
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<400> 1565
ctcgtgccga attcggcacg agstctctgc aggccccatc gagggaagaa gctgccaagt 60
ggagccaggt ccggaaagat ctgtgctctt traaggtctc tctgcagctg cgggggggagg 120
atggcagtgt ctggaactac aaacccccag ccgacagtgg cggnaaagag atcttctccc 180
tgctgcccca catggctgac atgtcaacct acatgttcaa aggcatcatc agctttgcca 240

aagtcatctc ctacttcagg gacttgccca tcgaggacca gatctcctgc tgaaggnngc 300

<210> 1566
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<400> 1566
ggtgacagct sccagcggca tcctcgatgt caccgtggtc tacctgaacc cagaacagca 60
ttgctgccag gaatccagtg atgaggaggc ttgtccagag gacaagggac cccaggaccc 120
acaggcactg gcgctggaca cccagatccc tgcaaccccc ggacccaaac ccctggtccg 180
caccagccgg gagccaggga aggacgtcac gacctcaggg tactcctccg tcagcaccgc 240
aagtcccaca agctccgtgg acggtggctt gggggccctg ccccaaccta cctcagtgct 300
gtccctggac agtgactcgc acacacagcc ctgccaccat caggccagga agtcatgttt 360
acagtgtcgt cccccaagtc ccccggagag cagtgttccc cagcaacagg tgaagcggat 420
aaacctatgc atacacagtg aggaggagga catgaacctg ggccttgtga ggctgtaagt 480
gtgtcagcac atttgccgca ntggatktgt actgangggg gtggagcgaa ggtggaa 537

<210> 1567
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<400> 1567
gtggttgcct taatgatgaa cacttggaag aactgggagg aatactgaaa gcaaaacttg 60
aagggcactt taaaaaccaa gaattgagac aggtgaaaag acaggaagaa aactatgatc 120
aacaggttga gatgtctctg cangatgagg atgaatgtga tgtttatatt ctgaccaaag 180
tatcagatat tntgcactca ttatttaagt acttatgaag garaagattt taccatggtt 240
tgaacaacta cttccattaa ttgtaaatct aatttgtttc aagtaggcca tggccagaca 300
gacatggggg ttgtggcata tttggatgga cat 333

<210> 1568
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 1568
acgagggcag caccagctgg aaggcggcct tggaggcttc caagggctgc atcaagtgcg 60
aaggccctgc ccggaggact ggctgctcta cggaaggaag tgctacttct tttccgagga 120
acccagagac tggaacacag gcaggcagta ctgccacacc cacgaggcgg tgctggctgt 180
gattcagagc cagaaggagc tggaatttat gttcaagttc acgcggaggg agccctggat 240
tggactacgc agagttgggg acgaattcca ctgggtcaac ggggacccgt ttgatccgga 300
cacgttcacc atcgcaggtc caggggagtg tgtcttcgtg gagcccacca ggctggtgtc 360
gacggagtgt ctgatgaccc ggccctgggt gtgcagcaag atggcctata cttgargtgg 420
gtkgggccag angtkgccmg cccctargcc tgtgggargt gtctggtgtc tgctcaagac 480
ctgcttccag cggacgcgcc tgccctctgc aaggcgaacg ggtgggtgcg tggcctccgc 540
cccaggcccc tctcccaggc cctggcgctc tgagtccctg gttcctggcc tcctttgtct 600
gcaggcaggt cgtgtggctc agcagttaaa tcccatatgc taggtagtg 649

<210> 1569
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1569
cggagccagg cccggagctg agggggccag ggcctttgga ggaagcattg gcctccaggc 60
tgaagagcaa gggccgtgtc acctgcccgg agggcggtct catctctgca gccaggtcag 120
aggaagcagc ggtggggaga cggagtgcgc gagttgggag gctccacgca tcgtaggtgg 180
agagctggct gccagcctgg cctgccctct cttccccgtc ccaccatctc gcttggctcc 240
ggcacctgcc tgggaagacc cacacctccg tctgcagtgc ctcttccccc tggaggccct 300
gccctccgct cggggtcccc gcatccttcc gtggccctca gagcatcgcc tggggcgccc 360
gcngaactca tctgttaagc ctgggatcan gca 393

<210> 1570
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<400> 1570
gaattcggcc gaggagagat ctctagggga cctgatgtgc acttgacaca tggccttgag 60
cccaaagatg ttaacaggga atttaggcta acagagagca gcacttgtga gccttctact 120
gtggctgctg tcctatctcg agctcaaggc tgcagatccc cttctgctcc tgacgtgagg 180
acaggttcct tcagccactc agctactgat ggaagcgtgg ggttaatagg ggttcctgag 240
aaaaaggttg ctgagaagca agcaagcaca gaacttgagg ctgcctcttt ccctgcargc 300
atgtactctg agcccctgag gcagtttagg gacagctctg taggtgacca gaatgcacag 360
gtgtgtcaaa ccaattccag aaccamctgc aacaactcag gggaccacac accctggatt 420
taagtgaarg gtctgctgag agcaagttgg tggtagagcc acagcatgaa tgtttagaaa 480
ataccactag atgtttttg gaaaagccac aattttccac tgagttgagg gatcacaatc 540
gcttggattc ccaagncaag tttgta 566

<210> 1571
<211> 1657
<212> DNA
<213> Homo sapiens

<400> 1571
gctacctagt gtctccttct gacctcatta tctgtctgaa taaacttcag atgggtactg 60
gatgtatatt gactactgtc aaataaaatg aactttgttt tagttaaggt cagatatgat 120
gtggttggta tgttttggaa catgtttttt caggttgcat ctggaggtgg tggggttgga 180
gatggtgttc aagaaccaac cacaggcaac tggagaggaa tgctgaaaac ttcaaaagct 240
gaagagttat tagcagaaga aaaatcaaaa cccattccaa ttatgccagc cagtccacaa 300
aaaggtcatg ccgtgaacct gctagatgtg ccagttcctg ttgcacgaaa actatctgct 360
cgggaacagc gagattgtga ggttattgaa cgactcatta aatcatattt tctcattgtc 420
agaaagaata ttcaagacag tgtgccaaag gcagtaatgc atttttggt taatcatgtg 480
aaagacactc ttcagagtga gctagtaggc cagctgtata aatcatcctt attggatgat 540
cttctgacag aatctgagga catggcacag cgcaggaaag aagcagctga tatgctaaag 600
gcattacaag gagccagtca aattattgct gaaatccggg agactcatct ttggtgaaga 660
gaactatgta atactgagac tttgttgact caaaacttgc tagttactgc ctacctgagt 720
agaatcttat ttatgaactc ctgtgtattg caatggtatg aatctgctca tgtggagact 780
ggctataaac tgaaaagtgt attccaaatt gcagaacaca tcacacattt aatccaaata 840
ataaatggct gtttctaaag tttcccagta tatataaaat acatcaagtc tgtcttgtga 900
cagtttcatc tgaacttaac ttaaaaacaa ctgttaatgt tctagttgtg caaagcagtt 960
tgcctgtgga taagatgacc tgtgtaataa tctttgttag tagtcttaaa gctgctgcca 1020
tagtcctcca agaagaaagc accaagacaa catttcatat gactataatg catgtactat 1080
ataagctgat ctggctttga aagatgtgag ttggcaagtt cctcacatag agtcattgta 1140
ttccacctgt ccttcaattt agtttttct gagcttcttt gcagcctttg atgtgttttt 1200
aagaaagctg aatgcacaag aggatctgtg acactgacat ggctgtggtg tgcatactgt 1260
gtagttacat agcccttcca attctgggtc catttgcact agcaaattaa aatatgcttt 1320
gattcatact taaacctgaa agcaggaatg cctacattaa ttcctacatt aaaaacagcc 1380
atctaccctt gattatctag waagacttgg taatgatggt cagttccttt tagatttcag 1440
aaaatcaaat gatgacctaa atttcccctta atttgcaaat acagtagtaa ttaaggtaca 1500
tctctaaagt ggagcactta caccaggctc taagattcac tttgaggtgg aacttaaaac 1560
cagtgtactg tatgtatgca ttggtaatag ctacttttgc ttcatagctt cataccaaca 1620

aaatatattt attagaatag tatgaaagta ctggagg 1657

<210> 1572
<211> 1186
<212> DNA
<213> Homo sapiens

<400> 1572
ggcacgagaa ataatcacct ggagtttgtt aaaccatatg gattctcagg ctcctcttct 60
gaagattctg attcagtagg tctgggagtg gcgccctgga ttttgatcaa aattgtagag 120
cattttaagg tgagtacctg agggagaact taaagacatc ttagttgggg agtagtcctt 180
ttgaatttta cagctagata taatcttcag tcagataaaa tttatgggag ctggtgtctt 240
atgcctgact cttagtaatt tcataccggt ttgaagtacg tgtgcccatg cctaaagcct 300
tgactttcag aatgttgtct tttgattctt ctgtcttgat ttgattaggg gtgaaattta 360
gaagtcttag taatgtaact tgaagatgtt aaacaaaaat ctcaagtaaa atgaaaagca 420
aatatgggct actgaattaa gaaactggca ttctagtatt aaatcctcac ttcaggagct 480
tttaaaaata ctgagacccc cccataacca gagattcaga ttcaaagact gaggatagga 540
ccttagcatt gtagctattt aaagtttcta atgtgcaccc agggttggga atcaccaatg 600
tgggtgtgaa aatgcctaca aagggtttta gtgccttaga agtcctaaga agcccaatct 660
gtatcaaagc agatccattt tgcaaggatc tttcttttag aactttctca gttctcttag 720
taagaacttt agaagtaatc ttgataataa gcacagacag cctaacagca gaggcaactt 780
aaataactcc tgagcagttg gcactagaac agaatacttg gaatgacacc aaagttaacc 840
aagtccagca tatgtccaaa gagttaagtg tttcatttac tgtagcattc tgggtgagaa 900
attggttgct gaaatcttaa gacagtggtc tcaaccttgg ctgcacattg gaatcacctg 960
tagggtttta aagcatccaa atggtaatta acaggcagca aaacttcaga actagttctg 1020
catctactgt gcaaagatca tgattaactg tcaagacact ggtagaacag aacaagcaaa 1080
agattaagag ttcaaaagta aatgcaacca wtttaacatg tagtgttatt aaaaaattac 1140
aaaggcctag accagcctgg gcaacagaga ccatgcttaa aaaaaa 1186

<210> 1573
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<400> 1573
gtgctntttt ttnaatgctg gggttaaaca aagtgctctt cttggactta aagacctttt 60
gtctcaatac ccatttataa ttgatgcaca cctttcaaac atattaagtg aagtgactgc 120
tgtgtttaca gataaagatg ctaatgtacg attagcagca gttcaacttc ttcaattcct 180
ggcccccaaa atacgagctg aacaaatttc tccatttttt cctttggtaa gtgcccatct 240
ctctagtgcc atgactcaca ttactgaagg aattcaggag gactctttaa aagttttgga 300
cattctgctg gaacagtacc cagctctaat tactggccgt agcagcatat tgcttaagaa 360

ttttgtagaa cttatttctc atcagcagct gtccaaagga ctgataaata gagacagatc 420
ccagtcctgg atactttctg taaatcctaa tcggagactc acttctcagc aatggaggct 480
gaaagtctta gtgagactca gtaaattcct tcaggccttg gcagatggat ccagtaggtt 540
gagagaaagt gaaggacttc aggaacagaa agaaaatccc catgccacta gcaactycat 600
ttttatcaac tggaaggaac atgccaacga ccagcaacac atycagggtt atgaaaatgg 660
ggggtcacar gcaaaggyag gtccargtya agstacggat ctggttggag gactgatggg 720
gggat 725

<210> 1574
<211> 1135
<212> DNA
<213> Homo sapiens

<400> 1574
caaaagcata gagaaattat aaaattcaag aacagatgtt agaatggaaa ctgatctaga 60
ggttataata aaggataata gtcttgtgct gacaccatca cacatcaaag cctacatgtt 120
gatgactctt caaggattag aatatttaca tcaacattgg atcctacata gggatctgaa 180
accaaacaac ttgttgctag atgaaaatgg agttctaaaa ctggcagatt ttggcctggc 240
caaatctttt gggagcccca atagagctta tacacatcag gttgtaacca ggtggtatcg 300
ggcccccgag ttactatttg gagctaggat gtatggtgta ggtgtggaca tgtgggctgt 360
tggctgtata ttagcagagt tacttctaag ggttcctttt ttgccaggag attcagacct 420
tgatcagcta acaagaatat ttgaaacttt gggcacacca actgaggaac agtggccgga 480
catgtgtagt cttccagatt atgtgacatt taagagtttc cctggaatac ctttgcatca 540
catcttcagt gcagcaggag acgacttact agatctcata caaggcttat tcttatttaa 600
tccatgtgct cgaattacgg ccacacaggc actgaaaatg aagtatttca gtaatcggcc 660
agggccaaca cctggatgtc agctgccaag accaaactgt ccagtggaaa ccttaaagga 720
gcaatcaaat ccagctttgg caataaaaag gaaaagaaca gaggccttag aacaaggagg 780
attgcccaag aaactaattt tttaaagaga acactggaca acattttact actgagggaa 840
atagccaaaa aggcaaataa tggaaaaata gtaaacatta agtaaatgct gtagaagtga 900
gtttgtaaat attctacaca tgtaaaatat gtaaaactat gggttatttt tattaaatgt 960
attttaaaat aaaaatttaa ttctggtttt tctgattaga gtgcaaaagt gagaaaagtt 1020
caatactctt gaaatgtaga attgaaaatg cattagggaa aacttaataa aaattattac 1080
cagttatttg gaagatctga cccatatagt atcacaaatc tgtagtagca tgggt 1135

<210> 1575
<211> 859
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (845)
<223> n equals a,t,g, or c

<400> 1575
taagatagca aaccagttcg ttttaagtaa gctaacttgt tcattagtat ctgtggctta 60
aaatggcaaa aaagaaaata tccttgagtt tgtaatctag ttacagaagt aaggcataca 120
cacacacaaa gataacagta cctagagaga gagtgtgtgt gagtgtgcgt gtctctgtgt 180
gtgcacgtgc acgctcatgg ccaaatgtgc gcactctaca taaaggaggc aggagttcct 240
ataggctatt taatgtaaga gaaactattt ttctcctgtt ccagctgtat cagatactcg 300
ttccgcaaca cagaaatgac tcagaatctc agacaaaatg tattatttgt tcaattttaa 360

ttttgctact acattcataa ctcttaaatt gttaggctgt ttcatttaca tcaaagttat 420
ctcacaaaag agaaggcagg aaacgttttg tgagtgccta ttctatgtca aacactgtgt 480
tggcaccata ttttacaagt ttttttcctc ttctcacagt gatcttgtga gttagttact 540
tatattttta ttagaactca ttattctggg taccctccaa tgagaattag agaggttaaa 600
tacctttttcc tagattccca cagcaggaag gtgggcatag ctgttttgtc tgacaccaga 660
acccatctca ccacactgct ttacagtctt cctgaaggac attttgaggt ggggggggct 720
tcaaagctca gagactgggt ttgaatgggt ttaattttgc aakggatcat gtccatgcca 780
ggtgttacaa ttcttaactt cctccaaatt cgkgtgtcca ttagacattt gggtacatcc 840
gggcngggga gggtcaggg 859

<210> 1576
<211> 732
<212> DNA
<213> Homo sapiens

<400> 1576
cgggtcgacc cacgcgtccg agaaaaagag ggaggagaga aggaaggtcc tggaggaggc 60
tgaagcagag gaggaagagg aagagtgagg gatggagaaa gggcagagga agagacatga 120
gaaagggaga ggaagagaag cccagctctg ggaactgaat caggaaactc aaatcgaata 180
gggaagtaaa aaaacaaaac aaaaaacaaa aaaaacaaaa aaaaaaccct atttaaatga 240
aaggagttta aaaacatttt ttaaggaggg agaaaggaga aattttggtt tttcaacact 300
gaaaaaatac tacctatagg aaagtctgtc aggtttggtt tttttgtaca atatgaaaag 360
gatattatct acctgttctg tagctttctg gaatttacct ccccttttct atgttgctat 420
tgtaaggtct ttgtaaaatc ttgcagtttt gtaagccctc tttaatgctg tctttgtgga 480
ctgtgggtct ggactaaccc tgtggttgcc tgccctcctg agcctccgcc ttcccagcag 540
cggcaccaag gggccttagg gagccccaaa acctaccact cgcgtgttcc ccaagcgcct 600
ggctgctgct tcttgcttcc cgtcccccag ccccatgctc ccttttacat tctgtgtgta 660
tctaaaggat ggaaaaataa aacgcaatta aaaataaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aa 732

<210> 1577
<211> 1636
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1588)
<223> n equals a,t,g, or c

<400> 1577
tcttgtcttg gccggtggtg gccaaccaag tgttgaaact tgggaacctt gagttcaagc 60
ccgaatctcg agtgaatggt ctagatgaaa gcaaaatcaa agataaaaat gagttaaaag 120
aaatttgtga attgaccggc attgatcaat cagttctaga acgagcattc agtttccgaa 180
cagttgaggc caaacaggag aaagtttcaa ctacactgaa tgtggctcag gcttattatg 240
cccgtgatgc tctggctaaa aacctctaca gcaggttgtt ttcatggttg gtaaatcgaa 300
tcaatgaaag cattaaggca caaacaaaag tgagaaagaa ggtcatgggt gttctggaca 360
tttatggctt tgagattttc gaggacaaca gctttgagca gttcattatt aattattgta 420
acgaaaagct gcaacaaatc ttcattgaac ttactcttaa agaagagcag gaggagtata 480
tacgggagga tatagaatgg actcacattg actacttcaa taatgctatc atttgtgacc 540
taatagaaaa taacacaaat ggaatcctgg ccatgctgga tgaagagtgc ctcagacctg 600

gcacagtcac tgatgagacc ttcttagaaa agctgaacca agtatgtgcc acccaccagc 660
attttgaaag caggatgagc aagtgctctc ggttcctcaa tgacacgtct ctgcctcaca 720
gctgcttcag gatccagcat tatgctggaa aggtgctgta ccaggtggaa ggattcgttg 780
acaaaaacaa tgaccttmtc tatcgagacc tgtcccaagc catgtggaag gccagccatg 840
ccctcatcaa gtctttgttc cccgaaggga atcccgccaa gatcaacctg aaaaggcctc 900
ctacagcagg ctcacagttc aaggcatccg tggccactct gatgaaaaac ctacagacca 960
wgaamccaaa ctatattagg tgtatcaaac cgaatgataa aaaagcagca cacatcttca 1020
acgaggctct agtgtgtcat cagatcaggt acctggggct tttggagaac gtccgagtgc 1080
ggagggcagg ctacgccttc aggcaggcct atgaaccttg cctagaaaga tacaaaatgc 1140
tttgtaaaca aacatggcct cattggaaag gaccagccag gtctggtgtg gaggtcctat 1200
ttaatgaatt agaaattccc gtggaagaat actcctttgg tagatcaaag atattcatcc 1260
gaaacccaag aacattattc aaattagaag acctgaggaa gcaacgcctg gaggacttgg 1320
ccactctcat tcagaagata tatcgggggt ggaaatgccg cacacacttc ctgctaatga 1380
aaaaaagcca aattgtgatt gccgcctggt acaggagata tgcgcaacaa aagaggtacc 1440
agcagacaaa gagttccgcc ttagtaattc agtcttatat ccggggttgg aaggctcgaa 1500
aaattctgcg ggaactgaag catcaaaagc gctgtaagga agcagtcacg accattgctg 1560
catattggca tgggacccar gywcswanga agaatcagga aattcttcag agccaatgct 1620
ggaaaagaaa atctat 1636

<210> 1578
<211> 659
<212> DNA
<213> Homo sapiens

<400> 1578
gaattcggca cgagaaaaat gaccctatga ttgtgtcttt taaaaaggcc aagcccaatc 60
ctcttcaacc ccggctcacc ctctggtggg cccacgttgg gcacaacttc cccaactgat 120
gggcccttgg cttcagctat cctccttgcc gcaatttcct gggcaaagat gcttctctta 180
ccagatgttg ctgatttccc ctgtggggca aaaagaaaac ccaggttact gatgctcatc 240
atcccacttt cctctcaacc tctttatatc aaggcctctg gaacaaagag ataaaagggg 300
atttgctcaa tttccaggga tcacaaccct agttctcaga aaaaggagag gtctataaga 360
gtaaaggtct tagactctga cagacttggg ttgaagttct ggctcttcta cctattagat 420
gtgtggtgtt ggacaagtta tttatctctt tggggtctca gtttcctcat atgaaaaatg 480
ggaataagga ctcctcatcc ccaaggtatc atcatgatac ctgccttata tgtttgttat 540
gaagattaaa agaagtaatg ggtatgaagt gcttagtatg atcctgcttt gtaaattaaa 600
ttgcttatca tcattaaaac tacctgcctg gagaaaaaaa aaaaaaaaaa aaactcgag 659

<210> 1579
<211> 1866
<212> DNA
<213> Homo sapiens

<400> 1579
gcggacgcgt gggaaacaag ctgctaacaa tagtttgctt ttacatcttc ttaaaagcca 60
gactatacct aagccaatga atggacacag tcacagtgag agaggaagca tttttgagga 120
aagtagtaca cctamaacta ttgakgaata ttcagawaac aaycctagtt ttacagatga 180
cagcagtggt gatgaaagtt cttattccaa ctgtgttccc atagacttgt cttgcaaaca 240
csgaactgaa aaatcagaat ctgaccaacc tgtttccctg gataacttca ctcaatcctt 300
gctaaacact tgggatccaa aagtcccaga tgtagatatc aaagaagatc aagataccyc 360
aaagaattct aagctaaact cacaccagaa agtaacactt cttcaattgc wacttggcca 420
taagaatgaa gaaaatgtag aaaaaaacac cagcccycag ggrgtacaca atgatgtgag 480

caagttcaat acmcaaaatt wtgcaaggac ttctgtgata gaaagcccca gtacaaatcg 540
gactactcca gtgagcactc caccttact tacatcaagc aaagcagggt ctcccatcaa 600
tctctctcaa cactctctgg tcatcaaatg gaattcccca ccatatgtct gcagtactca 660
gtctgaaaag ctaacaaata ctgcatctaa ccactcaatg gaccttacaa aaagcaaaga 720
cccaccagga gagaaaccag cccaaaatga aggtgcacag aactctgcaa cgtttagtgc 780
cagtaagctg ttacaaaatt tagcacaatg kggaatgcag tcatccatgt cagtggaaga 840
gcagagaccc agcaaacagc tgttaactgg aaacacagat aaaccgatag gtatgattga 900
tagattaaat agccctttgc tctcaaataa aacaaatgca gttgaagaaa ataaagcatt 960
tagtagtcaa ccaacaggtc ctgaaccagg gctttctggt tctgaaatag aaaatctgct 1020
tgaaagacgt actgtcctcc agttgctcct ggggaacccc aacaaaggga agagtgaaaa 1080
aaaagagaaa actcccttaa gagatgaaag tactcaggaa cactcagaga gagctttaag 1140
tgaacaaata ctgatggtga aaataaaatc tgagccttgt gatgacttac aaattcctaa 1200
cacaaatgtg cacttgagcc atgatgctaa gagtgcccca ttcttgggta tggctcctgc 1260
tgtgcagaga agcgcacctg ccttaccagt gtccgaagac tttaaatcgg agcctgtttc 1320
acctcaggat ttttctttct ccaagaatgg tctgctaagt cgattgctaa gacaaaatca 1380
agatagttac ctggcagatg attcagacag gagtcacaga aataatgaaa tggcacttct 1440
agaatcaaag aatctttgca tggtccctaa gaaaaggaag ctttatactg agccattaga 1500
aaatccattt aaaaagatga aaaacaacat tgttgatgct gcaaacaatc acagtgcccc 1560
agaagtactg tatgggtcct tgcttaacca ggaagagctg aaatttagca gaaatgatct 1620
tgaatttaaa tatcctgctg gtcatggctc agccagcgaa agtgaacaca ggagttgggc 1680
cagagagagc aaaagcttta atgttctgaa acagctgctt ctctcagaaa actgtgtgcg 1740
agatttgtcc ccgcacagaa gtaactctgt ggctgacagt aaaaaggaaa ggacacaaaa 1800
ataatgtgac caacagcaaa cctgrattta gctttcttct ttaaatggac tgatgtacag 1860
ttccct 1866

<210> 1580
<211> 1496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<400> 1580
annctataca ncatacaggg aanggtanac tgacagtacg gtcggattcc cgggtcgacc 60
cacgcgtccg ctgagccatt agaaaatcca tttaaaaaga tgaaaaacaa cattgttgat 120
gctgcaaaca atcacagtgc cccagaagta ctgtatgggt ccttgcttaa ccaggaagag 180
ctgaaattta gcagaaatga tcttgaattt aaatatcctg ctggtcatgg ctcagccagc 240
gaaagtgaac acaggagttg ggccagagag agcaaaagct ttaatgttct gaaacagctg 300
cttctctcag aaaactgtgt gcgagatttg tccccgcaca gaagtaactc tgtggctgac 360
agtaaaaaga aaggacacaa aaataatgtg accaacagca aacctgaatt tagcatttct 420
tctttaaatg gactgatgta cagttccact cagcccagca gttgcatgga taacaggaca 480
ttttcatacc caggtgtagt aaaaactcct gtgagtccta ctttccctga gcacttgggc 540
tgtgcagggt ctagaccaga atctgggctt ttgaatgggt gttccatgcc cagtgagaaa 600
ggacccatta agtgggttat cactgatgcg gagaagaatg agtatgaaaa agactctcca 660
agattgacca aaaccaaccc aatactatat tacatgcttc aaaaagggagg caattctgtt 720
accagtcgag aaacacaaga caaggacatt tggagggagg cttcatctgc tgaaagtgtc 780
tcacaggtca cagccaaaga agagttactt cctactgcag aaacgaaagc ttctttcttt 840
aatttaagaa gcccttacaa tagccatatg ggaaataatg cttctcgccc acacagcgca 900
aatggagaag tttatggact tctgggaagc gtgctaacga taaagaaaga atcagaataa 960
aatgtacctg ccatccagtt ttggatcttt ttaaaactaa tgagtatgaa cttgagatct 1020
gtataaataa gagcatgatt tgaaaaaaag catggtataa ttgaaacttt tttcattttg 1080
aaaagtattg gttactggtg atgttgaaat atgcatacta atttttgctt aacattagat 1140
gtcatgagga aactactgaa ctagcaattg gttgtttaac acttctgtat gcgtcagata 1200
acaactgtga gtagcctatg aatgaaattc ttttataaat attaggcata aattaaaatg 1260
taaaactcca ttcatagtgg attaatgcat tttgctgcct ttattagggt actttatttt 1320
gcttttcaga agtcagccta cataacacat ttttaaagtc taaactgtta aacaactctt 1380
taaaggataa ttatccaata aaaaaaaacc tagtgctgat tcacagctta ttatccaatt 1440
caaaaataaa ttagaaaaat atatgcttac atttttcact tttgctaaaa aaaaaa 1496

<210> 1581
<211> 3898
<212> DNA
<213> Homo sapiens

<400> 1581
cacacttgaa gctgaaaaag aaagaagaaa atctgggcta tcctcaagag ttcagtttcg 60
aaaccaaggt tctgagccca aatatactca agaactaact ctgaagaggc agaaacagaa 120
agtgtgcatg gaggaaaccc tgtggctaca ggataatatc agagataaac tgcgtcccat 180
tcccataact gcctcagtgg agatccaaga gccaagctct cgtaggcgag tgaattcact 240
tccagaagtt cttccaattc tgaattcaga tgaacccaag acagctcata ttgatgttca 300
cttcttaaaa gagggatgtg gagacgacaa tgtatgtaac agcaaccttа aactagaata 360
taaattttgc acccgagaag gaaatcmaga caaatttwct tatttaccaa ttcaaaaagg 420
tgtaccagaa ctagttctaa aagatcagaa ggatattgct ttagaaataa cagtgacaaa 480
cagcccttcc aacccaagga atcccacaaa agatggcgat gaygcccatg aggctaaact 540
gattgcaacg tttccagaca ctttaaccta ttctgcatat agagaactga gggctttccc 600
tgagaaacag ttgagttgtg ttgccaacca gaatggctcg caagctgact gtgagctcgg 660
aaatcctttt aaaagaaatt caaatgtcac tttttatttg gttttaagta caactgaagt 720
caccttgac accccagatc tggatattaa tctgaagtta gaaacaacaa gcaatcaaga 780
taatttggct ccaattacag ctaaagcaaa agtggttatt gaactgcttt tatcggtctc 840

gggagttgct aaaccttccc aggtgtattt tggaggtaca gttgttggcg agcaagctat 900
gaaatctgaa gatgaagtgg gaagtttaat agagtatgaa ttcagggtaa taaacttagg 960
taaacctctt acaaacctcg gcacagcaac cttgaacatt cagtggccaa aagaaattag 1020
caatgggaaa tggttgcttt atttggtgaa agtagaatcc aaaggattgg aaaaggtaac 1080
ttgtgagcca caaaaggaga taaactccct gaacctaacg gagkctcaca actcaagaaa 1140
gaaacgggaa attactgaaa aacagataga tgataacaga aaattttctt tatttgctga 1200
aagaaaatac cagactctta actgtagcgt gaacgtgaac tgtgtgaaca tcagatgccc 1260
sctgcggggg ctggacagca aggcgtctct tattttgcgc tcgaggttat ggmacagcac 1320
atttctagag gaatattcca aactgaacta cttggacatt ctcatgcgag ccttcattga 1380
tgtgactgct gctgccgaaa atatcaggct gccaaatgca ggcactcagg ttcgagtgac 1440
tgtgtttccc tcaaagactg tagctcagta ttcgggagta ccttggtgga tcatcctagt 1500
ggctattctc gctgggatct tgatgcttgc tttattagtg tttatactat ggaagtgtgg 1560
tttcttcaag agaaataaga aagatcatta tgatgccaca tatcacaagg ctgagatyca 1620
tgctcagcca tctgataaag agaggsttac ttcygatgca tagtattgat ctacttctgt 1680
aattgtgtgg attcyttaaa cgctctaggt acgatgacag tgttccccga taccatgctg 1740
taaggatccg gaaagaagag cgagagatca aagatgaaaa gtatattgat aaccttgaaa 1800
aaaaacagtg gatcacaaag tggaacgaaa atgaaagcta ctcatagcgg gggcctaaaa 1860
aaaaaaagct tcacagtacc caaactgctt tttccaactc agaaattcaa tttggattta 1920
aaagcctgct caatccctga ggactgattt cagagtgact acacacagta cgaacctaca 1980
gttttaactg tggatattgt tacgtagcct aaggctcctg ttttgcacag ccaaatttaa 2040
aactgttgga atggattttt ctttaactgc cgtaatttaa ctttctgggt tgccttttrtt 2100
tttggcgtgg ctgacttaca tcatgtgttg gggaagggcc tgcccagttg cactcaggtg 2160
acatcctcca gatagtgtag ctgaggaggc acctacactc acctgcacta acagagtggc 2220
cgtcctaacc tcgggcctgc tgcgcagacg tccatcacgt tagctgtccc acatcacaag 2280
actatgccat tggggtagtt gtgtttcaac ggaaagtgct gtcttaaact aaatgtgcaa 2340
tagaaggtga tgttgccatc ctaccgtctt ttcctgtttc ctagctgtgt gaatacctgc 2400
tcacgtcaaa tgcatacaag tttcattctc cctttcacta aaacacacag gtgcaacaga 2460
cttgaatgct agttatactt atttgtatat ggtatttatt ttttcttttc tttacaaacc 2520
attttgttat tgactaacag gccaaagagt ctccagttta cccttcaggt tggtttaatc 2580
aatcagaatt agagcatggg aggtcatcac tttgacctaa attatttact gcaaaaagaa 2640
aatctttata aatgtaccag agagagttgt tttaataact tatctataaa ctataacctc 2700
tccttcatga cagcctccac cccacaaccc aaaaggttta agaaatagaa ttataactgt 2760
aaagatgttt atttcaggca ttggatattt tttactttag aagcctgcat aatgtttctg 2820
gatttcatac tgtaacattc aggaattctt ggagaaaatg ggtttattca ctgaactcta 2880
gtgcggttta ctcactgctg caaatactgt atattcagga cttgaaagaa atggtgaatg 2940
cctatggtgg atccaaactg atccagtata agactactga atctgctacc aaaacagtta 3000
atcagtgagt cgatgttcta ttttttgttt tgtttcctcc cctatctgta ttcccaaaaa 3060
ttactttggg gctaatttaa caagaacttt aaattgtgtt ttaattgtaa aaatggcagg 3120
gggtggaatt attactctat acattcaaca gagactgaat agatatgaaa gctgattttt 3180
tttaattacc atgcttcaca atgttaagtt atatggggag caacagcaaa caggtgctaa 3240
tttgttttgg atatagtata agcagtgtct gtgttttgaa agaatagaac acagtttgta 3300
gtgccactgt tgttttgggg gggctttttt cttttcggaa atcttaaacc ttaagatact 3360
aaggacgttg ttttggttgt actttggaat tcttagtcac aaaatatatt ttgtttacaa 3420
aaatttctgt aaaacaggtt ataacagtgt ttaaagtctc agtttcttgc ttggggaact 3480
tgtgtcccta atgtgtttag attgctagat tgctaaggag ctgatacttt gacagtgttt 3540
ttagacctgt gttactaaaa aaaagatgaa tgtcctgaaa agggtgttgg gagggtggtt 3600
caacaaagaa acaaagatgt tatggtgttt agatttatgg ttgttaaaaa tgtcatctca 3660
agtcaagtca ctggtctgtt tgcatttgat acatttttgt actaactagc attgtaaaat 3720
tatttcatga ttagaaatta cctgtggata tttgtataaa agtgtgaaat aaatttttta 3780
taaaagtgtt cattgtttcg taacacagca ttgtatatgt gaagcaaact ctaaaattat 3840
aaatgacaac ctgaattatc tatttcatca aaaaaaaaaa aaaaaaaaaa aaaaaaaa 3898

<210> 1582
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<400> 1582
gcagaacccc tgaatcctgg aggctcacgc ccccagccaa agtaggggga ctggatttca 60
gcccagtaca aacctcccag ggtgcctctg acccttgcc tgacccctg gggctgatgg 120
atctcagcac cactcccttg caaagtgctc ccccccttga atcaccgcaa aggctcctca 180
gttcagaacc cttagacctc atctccgtcc cctttggcaa ctcttctccc tcagatatag 240
acgtccccaa gccaggctcc ccggagccac aggtttctgg ccttgcagcc aatcgttctc 300
tgacagaagg cctggtcctg ggacacaatg awtgacagcy tcagcaagat cctgctggac 360
atcagcttty ctgggcctgg gacgaggacc cattgggscc tggamaacat caactgggtc 420
cccattttat ttcntgaggt tacantt 447

<210> 1583
<211> 1274
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1273)
<223> n equals a,t,g, or c

<400> 1583
gcccangcgg ccgcgaggcg ccgccgccgc cgccgcagcc gccggagccg caatgcctaa 60
aggaggaaga aagggaggcc acaaaggccg ggcgaggcag tatacaagcc ctgaggagat 120
cgacgcgcag ctgcaggctg agaagcagaa ggccagggaa gaagaggagc aaaaagaagg 180
tggagatggg gctgcaggtg accccaaaaa ggagaagaaa tctctagact cagatgagag 240
tgaggatgaa gaagatgact accagcaaaa gcgcaaaggc gttgaagggc tcatcgacat 300
cgagaacccc aaccgggtgg cacagacaac caaaaaggtc acacaactgg atctggacgg 360
gccaaaggag ctttcgagga gagaacgaga agagattgag aagcagaagg caaaagagcg 420
ttacatgaaa atgcacttgg ccgggaagac agagcaagcc aaggctgacc tggcccggct 480
ggccatcatc cggaaacagc gggaggaggc tgcccggaag aaggaagagg aaaggaaagc 540
aaaagacgat gccacattgt caggaaaacg aatgcagtca ctctccctga ataagtaact 600
gcgacccgtg ggaggagatg ccggggacct gggccgcgct gccaggacct ctgctgtgtc 660
tcgcccaccc tgtgccctgg cgccgctgca acagcccctc atggccagga gccccccatg 720
gcctggggcc tcctcttcat cttggcacag aaattgtttg ggggatgggg gggggactg 780
ggggaggggt agctgctatc tttgagacag aaagrkgyag aagagctttc atttgtctgg 840
tagatagata gcatgtaagg gggtggttgt cccaggaggc agctgctgac aggtttgcta 900
cacacagccc cggactgtgt tgcctgggtg ctcattcaga gaggggctat catctgggag 960
cctgtgcccc tgggtcctcg agggtcatgg cttgtccctg gtcagtcctg tctgactgac 1020
ctcagggcct cacctctctg cccttccctg cccggttcct actcacctgg ctagggccag 1080
tgcccatttt cagccctacc cattgatcat ttcaagaaac ctctgtttac tgtgtggcac 1140
ccaggcaaaa catgctccac aaattcaact tgtatatttg gcagattaaa cttgacatta 1200
tcgtaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
agggggngg ggnt 1274

<210> 1584
<211> 498
<212> DNA
<213> Homo sapiens

<400> 1584
gtcttatttt tagaataatt tagacaagca ggtagaaaaa acaatgcact gtgtggcata 60
aaaagaaaaa cgggaaggat tcattgtcct kmsmagtttt tctttttatg ccacacagtg 120
cattgttttt tctacctgct tgtcttattt ttagaataat ttagaaaaac aaaacaaagg 180
ctgtttttcc taattttggc atgaaccccc ccttgttcca aatgaagacg gcatcacgaa 240
gcagctccaa aaggaaaagc ttgggcggtg cccagcgtgc ccgctgccca tcgacgtctg 300
tcctggggac gtggagggtg gcagcgtccc cgcctgcacc agtgccgtcc tgctgatgtg 360
gtaggctagc aatattttgg ttaaaatcat gtttgtgact gtaaccattt gtatgaatta 420
ttttaaagaa ataaaaatcc tggaaagara aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
aaaaaaaaaa aaaaaaaa 498

<210> 1585
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (663)
<223> n equals a,t,g, or c

<400> 1585

aagctaccaa gatcaacctc tccctttccg ctttgggtaa tgtcatctct gctctagtgg 60
acggcaaaag cactcacatt ccatatcggg actcaaagct taccaggctc ctccaagatt 120
cccttggtgg caatgccaag actgtgatgg tggccaacgt ggggcctgcc tcttacaacg 180
tagaagagac tctgaccact ctgcgatatg ccaaccgtgc caaaaacatt aagaacaaac 240
caagggtcaa tgaggacccc aaggatgccc tycttcgaga attccaggaa gagattgctc 300
ggctcaaggc ccagctggaa aaacggtcca ttggtaggag gaagaggcga gagaagcgga 360
gggaaggtgg tggcagtggt gggggtgggg aagaggagga ggaggaggga gaagagggtg 420
aggaggaagg ggatgataag gatgattact ggcgggaaca gcaagaaaaa ctggagattg 480
agaagcgggc cattgtagag gatcacagct tggttgcaga ggagaagatg aggctgctga 540
aggagaaaga gaaaaagatg gaggacctgc ggcgggagaa ggatgctgcc gagatgctgg 600
gcgccaagat caaggtacca tacccgtacc cttccttagg cccttgccct gtcactgctt 660
ttnctttcat caaacaacaa caaaaaacat aaccatatga gggatgatgt ctctcatcag 720
ttttggat 728

<210> 1586
<211> 1808
<212> DNA
<213> Homo sapiens

<400> 1586
gggtgcgcgg gcaacttccg gtgtgggtga cgagtggtgg ccgaagcagg gggacagcaa 60
gggacgctca ggcggggacc atggcggacg gcggctcgga gcgggctgac gggcgcatcg 120
tcaagatgga ggtggactac agcgccacgg tggatcagcg cctacccgag tgtgcgaagc 180
tagccaagga aggaagactt caagaagtca ttgaaaccct tctctctctg gaaaagcaga 240
ctcgtactgc ttccgatatg gtatcgacat cccgtatctt agttgcagta gtgaagatgt 300
gctatgaggc taaagaatgg gatttactta atgaaaatat tatgcttttg tccaaaaggc 360
ggagtcagtt aaaacaagct gttgccaaaa tggttcaaca gtgctgtact tatgttgagg 420
aaatcacaga ccttcctatc aaacttcgat taattgatac tctacgaatg gttaccgaag 480
gcaagattta tgttgaaatt gagcgtgcgc gactgactaa aacattagca actataaaag 540
aacaaaatgg tgatgtgaaa gaggcagcct ccattttaca ggagttacag gtggaaacct 600
acgggtcaat ggaaaagaaa gagcgagtgg aatttatttt ggagcaaatg aggctctgct 660
agctgtgaag gattacattc gaacacaaat catcagcaag aaaattaaca ccaaattttt 720
ccaggaagaa aatacagaga aattaaagtt gaagtactat aatttaatga ttcagctgga 780
tcaacatgag ggatcctatt tgtctatttg taagcactac agagcaatat atgatactcc 840
ctgtatacag gcagaaagtg aaaaatggca gcaggctctg aagagtgttg tactctatgt 900
tatcctggct ccttttgaca atgaacagtc agatttggtt caccgaataa gtggtgacaa 960
gaagttagaa gaaattccca aatacaagga tcttttaaag ctttttacca caatggagtt 1020
gatgcgttgg tccacacttg ttgaggacta tggaatggaa ttaagaaaag gttcccttga 1080
gagtcctgca acggatgttt ttggttctac agaggaaggt gaaaaaaggt ggaaagactt 1140
gaagaacaga gttgttgaac ataatattag aataatggcc aagtattata ctcggataac 1200
aatgaaaagg atggcacagc ttctggatct atctgttgat gagtccgaag cctttctctc 1260
aaatctagta gttaacaaga ccatctttgc taaagtagac agattagcag gaattatcaa 1320
cttccagaga cccaaggatc caaataattt attaaatgac tggtctcaga aactgaactc 1380
attaatgtct ctggttaaca aaactacgca tctcatagcc aaagaggaga tgatacataa 1440
tctacaataa gggtcttagt gctttagaaa aaagttaaaa ttggaagtca ttaaaaaaag 1500
actgttataa tggtgtatat gttggggttt tttttctaag cttctttgtc ttaaatttta 1560
aaatagtgaa tatgtttgag actccctttg acctttcagt tccccaagtt cattgttaac 1620
tttgcatttg caattggtgc aaaaatacag atttctgtcg tctgaataca caaaaagttg 1680
tgtcataact tacccagata tgtttttcta tcatttgaaa ccttttttagc tactgtttgt 1740
tttcattcaa ctaacaaaca tattccaata ataaaagcag tatatacata aaaaaaaaaa 1800
aaaaaaaa 1808

<210> 1587
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<400> 1587
aattcggcag agtgcaaccc tcgcttcagn aatgccacca ttgtctgcaa ctcattggac 60
ggcagcaact gggggcaaga acaacgggaa gatcacctgt gcttcagccc agggtcagag 120
gtcaaggtga ggtcaaaggg ggaaagggca ctgggggtga tgtcaagggg agggcccaga 180
tggaagagag cctggcctgg nacacagtgg ctggccttgt ttgagccatc aggcactgcc 240
ctggcccatt tccagggcct cctgcctcct ttgacaccct ccctccccac agttcacagt 300
gayctttgag agtgacaaat tcaaggtgaa actgccagat nggcacgaac tgacttttcc 360
caacaggctg ggtcaca 377

<210> 1588
<211> 1486
<212> DNA
<213> Homo sapiens

<400> 1588
gcggacgcgt ggggggcggg gtgtcgtttc ctttcgctga tgcaagagcc tagtgcggtg 60
gtgggagagg tatcggcagg ggcagcgctg ccgccggggc ctggggctga cccgtctgac 120
ttcccgtccg tgccgagccc actcgagccg cagccatgtc tggggacgag atgatttttg 180
atcctactat gagcaagaag aaaaagaaga agaagaagcc ttttatgtta gatgaggaag 240
gggataccca aacagaggaa acccagcctt cagaaacaaa agaagtggag ccagagccaa 300
ctgaggacaa ggatttggaa gctgatgaag aggacactag gaaaaaagat gcttctgatg 360
atctagatga cttgaacttc tttaatcaaa agaaaaagaa gaaaaaaact aaaaagatat 420
ttgatattga tgaagctgaa gaaggtgtaa aggatcttaa gattgaaagt gatgttcaag 480
aaccaactga accagaggat gaccttgaca ttatgcttgg caataaaaag aagaaaaaga 540
agaatgttaa gttcccagat gaggatgaaa tactagagaa agatgaagct ctagaagatg 600
aagacaacaa aaaagatgat ggtatctcat tcagtaatca gacaggccct gcttgggcag 660
gctcagaaag agactacaca tacgaggagc tgctgaatcg agtgttcaac atcatgaggg 720
aaaagaatcc agatatggtt gctggggaga aaaggaaatt tgtcatgaaa cctccacaag 780
tcgtccgagt aggaaccaag aaaacttctt ttgtcaactt tacagatatc tgtaaactat 840
tacatcgtca gcccaaacat ctccttgcat ttttgttggc tgaattgggt acaagtggtt 900

ctatagatgg taataaccaa cttgtaatca aaggaagatt ccaacagaaa cagatagaaa 960
atgtcttgag aagatatatc aaggaatatg tcacttgtca cacatgccga tcaccggaca 1020
caatcctgca gaaggacaca cgactctatt tcctacagtg cgaaacttgt cattctagat 1080
gttctgttgc cagtatcaaa accggcttcc aggctgtcac gggcaagcga gcacagctcc 1140
gtgccaaagc taactaattt gctaatcact gattttgcaa agcttgttgt ggagatgtgg 1200
ctggacaggt ttgccatcag agtggatata ccgttgtatt aaaaacaaga taaaaaagct 1260
gccaagattt ttggcgagtg gttggtctga agtccttgca agacgctgat gctcaagctg 1320
ttgacatact cattgcctac tttaacacct gtcagagaaa cgtgatatgg ggtaaggagg 1380
tgctttttta aaatcgttca tagacttctg taaaatgcaa gataaattaa agttattata 1440
acagtgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1486

<210> 1589
<211> 998
<212> DNA
<213> Homo sapiens

<400> 1589
cgttacacat gacaccagtg cctttgtttc attgggctgg gctctctgga aggtgtgctg 60
ctgcctgagc tgctggaaaa gcactgacag gtgtttgcta gaaaagcact cctggagctt 120
gccaccagct tggacttcta gggactttcc tctcagccag gaaggatttt gatattcatc 180
agaaatacct ccagaagatt caaggagctg tagaggtgaa gtaagcctgt gaaggaccag 240
catgggaatc ctatactctg agcccatctg ccaagcagcc tatcagaatg actttggaca 300
agtgtggcgg tgggtgaaag aagacagcag ctatgccaac gttcaagatg gctttaatgg 360
agacacgccc ctgatctgtg cttgcaggcg agggcatgtg agaatcgttt ccttcctttt 420
aagaagaaat gctaatgtca acctcaaaaa ccagaaagag agaacctgct tgcattatgc 480
tgtgaagaaa aaatttacct tcattgatta tctactaatt atcctcttaa tgcctgtyct 540
gcttattggg tatttcctca tggtatcaaa gacaaagcag aatgaggctc ttgtacgaat 600
gctacttgat gctggtgtcg aagttaatgc tacagattgt tatggctgta ccgcattaca 660
ttatgcctgt gaaatgaaaa accagtctct tatccctctg ctcttggaag cccgtgcaga 720
ccccacaata aagaataagc atggtgagag ctcactggat attgcacgga gattaaaatt 780
ttcccagatt gaattaatgc taaggaaagc attgtaatcc ttgtgaccac accgatggag 840
atacagaaaa agttaacgac tggattctat cttcatttta gacttttggt ctgtgggcca 900
tttaacctgg atgccaccat tttatgggga taatgatgct taccatggtt aatgttttgg 960
aagagctttt tatttatagc attgtttact cagtcaag 998

<210> 1590
<211> 2122
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1306)
<223> n equals a,t,g, or c

<400> 1590

tctgcctcat tctccagagg angacaattg agtttcactg atttgggctt accacctact 60
gaccacctcc aggcctcatt tggatttcag acctttcaac ccagtggcat attattagat 120
catcagacat ggacaaggra actgcaggtc actctggaag atggttacat tgaattgagc 180
accagcgata gcgrcggccc aatttttaaa tctccacaga cgtatatgga tggtttactg 240
cattatgtat ctgtaataag cgacaactct ggactacggc ttctcatcga tgaccagctt 300
ctgagaaata gcaaaaggct aaaacacatt tcaagttccc ggcagtctct gcgtctgggc 360
gggagcaatt ttgagggttg tattagcaat gtttttgtcc agaggttatc actgagtcct 420
gaagtcctag atttgaccag taactctctc aagagagatg tgtccctggg aggctgcagt 480
ttaaacaaac caccttttct aatgttgctt aaaggttcta ccaggtttaa caagaccaag 540
acttttcgta tcaaccagct gttgcaggac acaccagtgg cctccccaag gagygtgaag 600
gtgtggcaag atgcttgctc accacttccc aagacccagg ccaatcatgg agccctccag 660
tttggggaca ttcccaccag ccacttgcta ttcaagcttc ctcaggagct gctgaaaccc 720
aggtcacagt ttgctgtgga catgcagaca acatcctcca gaggactggt gtttcacacg 780
ggcactaaga actcctttat ggctctttat ctttcaaaag gacgtctggt ctttgcactg 840
gggacagatg ggaaaaaatt gaggatcaaa agcaaggaga aatgcaatga tgggaaatgg 900
cacacggtgg tgtttggcca tgatggggaa aaggggcgct tggttgtgga tggactgagg 960
gcccgggagg gaagtttgcc tggaaactcc accatcagca tcagagcgcc agtttacctg 1020
ggatcacctc catcagggaa accaaagagc ctccccacaa acagctttgt gggatgcctg 1080
aagaactttc agctggattc aaaacccttg tatacccctt cttcaagctt cggggtgtct 1140
tcctgcttgg gtggtccttt ggagaaaggc atttatttct ctgaagaagg aggtcatgtc 1200
gtcttggctc actctgtatt gttggggcca gaatttaagc ttgttttcag catccgccca 1260
agaagtctca ctgggatcct aatacacatc ggaagtcagc ccgggnaagc acttatgtgt 1320
ttacctggag gcaggaaagg tcacggcctc tatggacagt ggggcaggtg ggacctcaac 1380
gtcggtcaca ccaaagcagt ctctgtgtga tggacagtgg cactcggtgg cagtcaccat 1440
aaaacaacac atcctgcacc tggaactgga cacagacagt agctacacag ctggacagat 1500
ccccttccca cctgccagca ctcaagagcc actacacctt ggaggtgctc cagccaattt 1560
gacgacactg aggatccctg tgtggaaatc attctttggc tgtctgagga atattcatgt 1620
caatcacatc cctgtccctg tcactgaagc cttggaagtc caggggcctg tcagtctgaa 1680
tggttgtcct gaccagtaac ccaagcctat ttcacagcaa ggaaattcac cttcaaaagc 1740
actgattacc caatgcacct ccctccccag ctcgagatca ttcttcamty aggacacaaa 1800
ccagacaggt ttaatagcga atctaatttt gaattctgac catggatacc catcactttg 1860
gcattcagtg ctacatgtgt attttatata aaaatcccat ttcttgaaga taaaaaaatt 1920
gttattcaaa ttgttatgca cagaatgttt ttggtaatat taatttccac taaaaaatta 1980
aatgtctttt aagaaacatt cttttccact tgttaaaaaa attaaatata ttttaaagca 2040
ctttaagaat atgaaacttt catatatgtt aaaggattat aatttatgga attaaaaaat 2100
gcagtgtagt ccttaaaaaa aa 2122

<210> 1591
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 1591
tttctaatcc tatctgggga gctcctggcc aggataatat atttgcagat aattctggac 60
cagagacttg gtgcggggtt aacaccttca tccagattgg gtgccagcat acattttctg 120
gtgggcctta acatccctcc tgcttttagg agaattcaca gaacctactg ttcctttcag 180
atgacctttt ggaaaatagt tccctttgcc aacagaaaca tgccagaagg aatcttctca 240
tcttttatct aactatatgt acagctctcc cctcccttgt ccttgaaagt aggatatagc 300
gaaaggcgag tccaggagct caggaagaag agatgcacta tatgtttaca caattaattc 360
atcccttaat ttaagtcatt ttcatgtgtg tgagtttgct ggttgtgaaa tactttgtcc 420
taagagattt atctttntac agattttcta gaaatgtttt aggttactaa aaacagggtn 480
ggggcaaact ntgttaaact ggtacaattt tataggtgga aagaaaaaa 529

<210> 1592
<211> 1216
<212> DNA
<213> Homo sapiens

<400> 1592
ggtgctacct ggctctcctg tctctgcagc tctacaggtg aggcccagca gagggagtag 60
ggctcgccat gtttctggtg agccaatttg gctgatcttg ggtgtctgaa cagctattgg 120
gtccacccca gtcccttttca gstgctgctt aatgccctgc tctctccctg gcccacctta 180
tagagagccc aaagagctcc tgtaagaggg agaactctat ctgtggttta taatcttgca 240
cgaggcacca gagtctccct gggtcttgtg atgaactaca tttatccccc ttcctgcccc 300
aaccacaaac tctttccttc aaagagggcc tgcctggctc cctccaccca actgcaccca 360
tgagactcgg tccaagagtc cattccccag gtgggagcca actgtcaggg aggtctttcc 420
caccaaacat ctttcagctg ctgggaggtg accatagggc tctgctttta aagatatggc 480
tgcttcaaag gccagagtca caggaaggac ttcttccagg gagattagtg gtgatggaga 540
ggagagttaa aatgacctca tgtccttctt gtccacggtt ttgttgagtt ttcactcttc 600
taatgcaagg gtctcacact gtgaaccact taggatgtga tcactttcag gtggccagga 660
atgttgaatg tctttggctc agttcattta aaaaagatat ctatttgaaa gttctcagag 720
ttgtacatat gtttcacagt acaggatctg tacataaaag tttctttcct aaaccattca 780
ccaagagcca atatctaggc attttcttgg tagcacaaat tttcttattg cttagaaaat 840
tgtcctcctt gttatttctg tttgtaagac ttaagtgagt taggtcttta aggaaagcaa 900
cgctcctctg aaatgcttgt ctttttttctg ttgccgaaat agctggtcct ttttcgggag 960
ttagatgtat agagtgtttg tatgtaaaca tttcttgtag gcatcaccat gaacaaagat 1020
atattttcta tttatttatt atatgtgcac ttcaagaagt cactgtcaga gaaataaaga 1080
attgtcttaa atgtcatgat tggagatgtc ctttgcattg cttggaaggg gtgtacctag 1140
agccaaggaa attggctctg gtttggaaaa attttgctgt tattatagta aacatacaaa 1200
ggatgtcaaa aaaaaa 1216

<210> 1593
<211> 689
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (582)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (670)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (680)
<223> n equals a,t,g, or c

<400> 1593
ctcaggaaga gtgagatttt atatttgaca ataaagtgtt agactccatt tctaaatacc 60
agacttcaaa agataaggtt caaaagtgtt ataagaagat attccttttt ttgtcctaga 120
gaacttattt tcctgtgaaa atgcctacca caaagaagac attgatgttc ttatcaagct 180
ttttcaccag ccttgggtcc ttcattgtaa tttgctctat tcttgggaca caagcatgga 240
tcaccagtac aattgctgkt agagactctg cttcaaatgg gagcåttttc atcacttacg 300
gacttttttcg tggggagagt agtgaagaat tgagtcacgg acttgcagaa ccaaagaaaa 360
agtttgcagt tttagagata ctgaataatt cttcccaaaa aaactctgca ttcggtgact 420
atcctgttcc tggtcctgag tttgatcacg tcgctgctga gctctgggtt taccttctac 480
aacagcatca gcaaccctta ccagacattc ctggggcccg acgggggtgt acacctggaa 540
cgggctcggg catccttcgt tttgngacca tgatactgtt gnggcgaaca cgcagtccaa 600
ccaattttcc gaaagtggtn caaatgcttt aaccggaaac accagtaang gaccgaccac 660
agttccgggn cctgtttggn taaaacggt 689

<210> 1594
<211> 946
<212> DNA
<213> Homo sapiens

<400> 1594
gcccacgcgt ccgctccatt tctaaatacc agacttcaaa agataaggtt caaaagtgtt 60
ataagaagat attccttttt ttgtcctaga gaacttattt tcctgtgaaa atgcctacca 120

caaagaagac attgatgttc ttatcaagct ttttcaccag ccttgggtcc ttcattgtaa 180
tttgctctat tcttgggaca caagcatgga tcaccagtac aattgctgtt agagactctg 240
cttcaaatgg gagcattttc atcacttacg gacttttttcg tggggagagt agtgaagaat 300
tgagtcacgg acttgcagaa ccaaagaaaa agtttgcagc atccttcgtt tttgtgacca 360
tgatactgtt tgtggcgaac acgcagtcca accaactctc cgaagagttg ttccaaatgc 420
tttacccggc aaccaccagt aaaggaacga cccacagtta cggatactcg ttctggctca 480
tactgctcgt cattcttcta aatatagtca ctgtaaccat catcattttc taccagaagg 540
ccagatacca gcggaagcag gagcagagaa agccaatgga atatgctcca agggacggaa 600
ttttattctg aattctcttt catctcattt tggcgttgca tctattgtac atcagccctg 660
agtagtaact ggttagcttc tctggacaat tcagcatggt aacgtgactg tcatctgtga 720
cagcatttgt gtttcatgac actgtgttct tcattgatgc tgtactcctg aaaatttttc 780
ccacaaggtt ggggaaatga atgggaaatg tcgctggtct gtgtggtatt caaagcagta 840
gtatcatgat gagcgtaacg acccttctga cctggtctca cgatctgaaa taataaaagg 900
ctgtgtcatg tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 946

<210> 1595
<211> 875
<212> DNA
<213> Homo sapiens

<400> 1595
cctacttgca gctcctgcct ttggaaatgg atgacacaga aacaggcctt ctcagtgcca 60
tctgcttaat ctgtggagac cgccagacct tgaggaaccg acaaaagtag ataagctaca 120
agaaccattg ctggaagcac taaaaattta tatcagaaaa agacgaccca gcaagcctca 180
catgtttcca aagatcttaa tgaaaatcac agatctccgt agcatcagtg ctaaaggtgc 240
agagcgtgta attaccttga aaatggaaat tcctggatca atgccacctc tcattcaaga 300
aatgctggag aattctgaag gacatgaacc cttgacccca agttcaagtg ggaacacagc 360
agagcacagt cctagcatct cacccagctc agtggaaaac agtggggtca gtcagtcacc 420
actcgtgcaa taagacattt tctagctact tcaaacattc cccagtacct tcagttccag 480
gatttaaaat gcaagaaaaa acatttttac tgctgcttag tttttggact gaaaagatat 540
taaaactcaa gaaggaccaa gaagttttca tatgtatcaa tatatatact cctcactgtg 600
taacttacct agaaatacaa acttttccaa ttttaaaaaa tcagccattt catgcaacca 660
gaaactagtt aaaagcttct attttcctct ttgaacactc aagattgcat ggcaaagacc 720
cagtcmaaat grtttacccc tggttaagtt tctgaagact ttgtacatac agaagtatgg 780
ctctgttctt tctatactgt atgtttggtg ctttcctttt gtcttgcata ctcaaaataa 840
ccatgacacc aaggttatga aatagactac tgtag 875

<210> 1596
<211> 1257
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1256)
<223> n equals a,t,g, or c

<400> 1596
gcccacgcgt ccgcccacgc gtccgcctgg gtgccagcgc cccagaggtc ccgggacagc 60
ccgaggcgcc gcgcccgccg ccccgagctc cccaagcctt cgagagcggc gcacactccc 120
ggtctccact cgctcttcca acacccgctc gttttggcgg cagctcgtgt cccagagacc 180
gagttgcccc agagaccgag acgccgccgc tgcgaaggac caatgagagc cccgctgcta 240
ccgccggcgc cggtggtgct gtcgctcttg atactcggct caggccatta tgctgctgga 300
ttggacctca atgacaccta ctctgggaag cgtgaaccat tttctgggga ccacagtgct 360
gatggatttg aggttacctc aagaagtgag atgtcttcag ggagtgagat ttcccctgtg 420
agtgaaatgc cttctagtag tgaaccgtcc tcgggagccg actatgacta ctcagaagag 480
tatgataacg aaccacaaat acctggctat attgtcgatg attcagtcag agttgaacag 540
gtagttaagc ccccccaaaa caagacggaa agtgaaaata cttcagataa acccaaaaga 600
aagaaaaagg gaggcaaaaa tggaaaaaat agaagaaaca gaaagaagaa aaatccatgt 660
aatgcagaat ttcaaaattt ctgcattcac ggagaatgca aatatataga gcacctggaa 720
gcagtaacat gcaaatgtca gcaagaatat ttcggtgaac ggtgtgggga aaagtccatg 780
aaaactcaca gcatgattga cagtagttta tcaaaaattg cattagcagc catagctgcc 840
tttatgtctg ctgtgatcct cacagctgtt gctgttatta cagtccagct tagaagacaa 900
tacgtcagga aatatgaagg agaagctgag gaacgaaaga aacttcgaca agagaatgga 960
aatgtacatg ctatagcata actgaagata aaattacagg atatcacatt ggagtcactg 1020
ccaagtcata gccataaatg atgagtcggt cctctttcca gtggatcata agacaatgga 1080
ccctttttgt tatgatggtt ttaaactttc aattgtcact ttttatgcta tttctgtata 1140
taaaggtgca cgaaggtaaa aagtattttt tcaagttgta aataatttat ttaatattta 1200
atggaagtgt atttatttta cagctcatta aacttttta accaaamara ananana 1257

<210> 1597
<211> 941
<212> DNA
<213> Homo sapiens

<400> 1597
gcaccacagc gctccagcct ggtcgacaga gtgagactcc atctcaagaa aataaaaata 60
aagttgttct ctgaagagca aatgtctcat tccagtaatg acccactcag caggaatatg 120
gtggagttca gtccaattca ggtcagccat atccaaaaga ccacaagtca ttactaagtt 180
gagcaaaaga gtttttatct attagcagaa agggcctctc tggcagcaga gattaaaaac 240
tggcccaact tcatttccat acttcaggga acagcaaatt gaggatttac ttatctagga 300
cttgaattcc ttctttggga ccaagttaat aaaagaccaa gaaactcctg attaaactgg 360
ataatgaagg attctgtaga cagggctgca cgtatcggct ttgtttgact tctcttttct 420
cagttaacat ctcagagcta gaacattcca cattccccag cagcgtgtgg gggctgacta 480
aagtttacaa ttccaactaa aaatcaccct gcttctggct tatctgaatc ccttacccac 540
cccaccccac caccctactc ctatttattc agcaccacac tacccaggaa atacactagc 600
aaattgtgca atggaataaa atccacactt tagattcttg caactgtatc atatgtaata 660
gtatcacttt ttctacattt tggtcaaata aatаggagta gggtggtggg gtggggtggg 720
taagggattc agataagcca gaagcagggt gattttwagt tggaattgta aactttagtc 780
agcccccaca cgctgctggg gaatgtggat gttctagctc tgagatgtta actgrgaaaa 840
gagaagtcaa acaaagccga tacgtgcagc cctgtctaca gaatccttca ttatccagtt 900
taataaggag tttcttggtc ttttattaac ttgggtcgac c 941

<210> 1598
<211> 505
<212> DNA
<213> Homo sapiens

<400> 1598
ggggtcgcct ttggagcaga gaggaggcaa tggccaccat ggagaacaag gtgatctgcg 60
ccctggtcct ggtgtccatg ctggccctcg gcaccctggc cgaggcccag acagagacgt 120
gtacagtggc cccccgtgaa agacagaatt gtggttttcc tggtgtcacg ccctcccagt 180
gtgcaaataa gggctgctgt ttcgacgaca ccgttcgtgg ggtcccctgg tgcttctatc 240
ctaataccat cgacgtccct ccagaagagg agtgtgaatt ttagacactt ctgcagggat 300
ctgcctgcat cctgacgcgg tgccgtcccc agcacggtga ttagtcccag agctcggctg 360
ccacctccac cggacacctc agacacgctt ctgcagctgt gcctcggctc acaacacaga 420
ttgactgctc tgactttgac tactcaaaat tggcctaaaa attaaaagag atcgatatta 480
aaaaaaaaar aaaagggcgg ccgct 505

<210> 1599
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 1599
gaaagtnccg gtccggaatt cccgggtcga cccacgcgtc cggattagtc ccagagctcg 60
gctgccacct ycaccggaca cctcagacac gcttctgcag ctgtgcctcg gctcacaaca 120
cagattgact gctctgactt tgactactca aaattggcct aaaaattaaa agagatcgat 180
attaaaaaaa aaaaaaaagg aaaaaaaagg gcggccgtct aagaggatcc aagcttacgt 240
aacgcgtgca tgcgaaggtc atagctcttc tatagtgtca 280

<210> 1600
<211> 1529
<212> DNA
<213> Homo sapiens

<400> 1600
agcaggaaga ccaatgaaag ttggtcatgt tactgaacgt actgatgctt cgagtgctag 60
ttcatttttg gacagtgatg aactggaaag gactggaatt gatttgggaa caactggtcg 120
tcttcagtta atggcaagac ttgcagaggg tacaggtttg cagattccgc cagcagcaca 180
gcaagctcta cagatgagtg gctctttggc atttggtgct gtggcagaat tctcttttgt 240
tatagatttg caaacaagac tttcccagca gactgaagct tcagctttag ctgcagctgc 300
ctctgttcag ccacttgcaa cacaatgttt ccaactctct aacatgttta accctcaaac 360
agaagaagaa gttggatggg ataccgagat taaggatgat gtgattgaag aatgtaataa 420
acatggagga gttattcata tttatgttga caaaaattca gctcagggca atgtgtatgt 480
gaagtgccca tcaattgctg cagctattgc tgctgtcaat gcattgcatg gcaggtggtt 540
tgctggtaaa atgataacag cagcatatgt acctcttcca acttaccaca acctgtttcc 600
tgattctatg acagcaacac agctactggt tccaagtaga cgatgaagga agatatagtc 660

ccttatgtat atagcttttt ttctttcttg agaattcatc ttgagttatc ttttatttag 720
ataaaaataa agaggcaagg atctactgtc atttgtatgc aatttcctgt taccttgaaa 780
aaataaaaat gttaacagga atgcagtgtg ctcattctcc ctaaatagta aatcccactg 840
tatacaaaac tgttctcttg ttctgccttt taaaatgttc atgtagaaaa ttaatgaact 900
ataggaatag ctctaggaga acaaatgtgc tttctgtaaa aaggcagacc agggatgtaa 960
tgtttttaat gtttcagaag cctaactttt tacacagtgg ttacatttca catttcacta 1020
atgttgatat ttggctgatg gttgagcagt ttctgaaata cacatttagt gtatggaaat 1080
acaagacagc taaagggctg tttggttagc atctcatctt gcattctgat caattggcaa 1140
gaaagggaga tttcaaaatt atatttcttg atggtatctt ttcaattaat gtatctgtaa 1200
aagtttcttt gtaaatacta tgtgttctgg tgtgtcttaa aattccaaac aaaatgatcc 1260
ctgcatttcc tgaagatgtt taaacgtgag agtctggtag gcaaagcagt ctgagaaaga 1320
aataggaaat gcagaaatag gttttgtctg gttgcatata atctttgctc tttttaagct 1380
ctgtgagctc tgaaatatat ttttgggtta cttcagtgtg tttgacaaga cagcttgata 1440
tttctatcaa acaaatgact ttcatattgc aacaatcttt gtaagaacca ctcaaataaa 1500
agtctcttaa aaaggcmaaa aaaaaaaaa 1529

<210> 1601
<211> 3096
<212> DNA
<213> Homo sapiens

<400> 1601
gagagagctc agatggccct tttaaggggg ctccaagaac caacatcact gctcttttag 60
ataaacctct gccctccact ccttgcttga gtgggttaaa ggaactaaca gttgtccctt 120
taggaggaca aaatggggtc aagaggacac agaagagttg tatagcacca gattggttcc 180
aaatagttaa tggatgtgtg cacattttct gttcagggat taagaccaga atatcagtgg 240
atttgttttc cccaccaagt ggcctcttag actagtcatt aacttatgat tagctctaaa 300
gatttcaaat agtggcagac agtgtcttct gaatgtaagt tttgagaaat acgagtctgt 360
cagagcggcc ataagccata aagagtcaat ctcttaatta tatttttcat catgtaaaca 420
agtttcccat ttccctttct tagattgcac cagtgaagga gatgttttgc aaagattcag 480
agaactaatt tttcactgga taagacctga gtaacccaga ccccccaccg tggttctttt 540
cacagccctc gactttgcac ttaaaaaggg atattgtaaa tgaaaggctg cagtgccagt 600
tttaagaaag aatttctgtg aagtgtgagg actctggagt ctagctcaca taaagagagt 660
gttatataaa aatccgacag ctgaactagg ttgctctttt ttggcaggga gtggggatga 720
gatttgacac caatatgggc aaaattagat aacctttttgg ttaatataaa tgattttgat 780
ttggaggcct aatttgtaga ttgtgaaagc agcttttagt ttaacttatt cacagacccc 840
ttataattac catgtttttt ttttcttcct aaatctcttg gttcagcttg tgaatcttac 900
gtgcccgtaa agttgggatg ttgaattggc tcttctttgt tctggcagtg agtcaagtgt 960
ccagcatttt ttcataagtg ttttttaaaa ttgttctcca gcattttatg gctcctccct 1020
cccatgtcct cagacccagc aaaagcgtag aggcagaatt agaggcctct ccaggccagc 1080
tcctctgccc acatgtcata caaggtgtga atttgagcac agtccaraaa tggagacatc 1140
ccacccccag ttgaataatg gcccattcat gccaaccttg ccaacacgga gagggcagag 1200
atgcactaga agaccttcat cctccccttc ctctgcccca agtcactaca gttggttcta 1260
ttgaagccag tctttaagaa acctgggtta aagacaccag cacttctgct tgctgggctg 1320
gctggacctg tgaagccatg ggcaggtagt gccctcttga gagtcatttt atttggccac 1380
cttcaggtga gactatccat agacacatgc taggataggc cccgctggga gggcagttac 1440
aggagagagt aggtggtggt gacgtgaggg ctgtgaagga tccagagaca agacttagat 1500
gtttcgttca ttcactcact cattcagtta ctcctaagac ttttcagttt cataaggaag 1560
agtgttgcct gaggccctag ggaatattgg ggaatagaag ggattgagga aacattaata 1620
atagttattc aaaagaccca aatgcttata cttctctctc ccttcttctc tctctgacac 1680
acacacacac acacacacac acacacacac acgtgcacat tcctccctta catgctcatt 1740

tgtgccttaa atgtgcctta taggtaaatc caggatgact gaggaatccc tcgtcactgg 1800
gagattttgt atatattctt ttattattag attgagttgg gtgtggggaa aaatttttt 1860
ctgaaggctc aaaagtggtt tcctaaaagt gagccactat cagatttgca catcaggaga 1920
aaagaaatag ggttacgtcc attaggaaaa tcccagtttg caggagtgca atcacatcaa 1980
aaaaacaacc agccaggatt aaaggtatta taaatcctca tagcggaaca tttctcaggg 2040
caaaggaacc tggctcattt gaagattaat gttccatgcc tttgtggtca aasggtcagc 2100
acttaacaca ggaaaaaact aggtgttgtt ttgttttgtt attttggaca acataaaatt 2160
caggaatgtt ttatttagcc ttggtttcta gaaggaaggg aaataatatt tcttgagcat 2220
ttactagggt gttgcgtgct gtgctaagta aattttaagt ctttcagttt tatagatacg 2280
gaaaacaagg gtgactcttt accacaggat gaataaagaa ctaagtaata tgggaaatgc 2340
agcaatttct ggactagctg agccgattcc ttcctgtgag cacactgtaa gctttcaagt 2400
tctctgggca ggaattacag cacctgtccc ctgcaatggc cctgctgtgt gatgctcatc 2460
gcttcccttc gtgctggagc agtcccccag gtgtccatct cctatctttt tgttccaatc 2520
ttctgtgagt tccagctagc aggctttaca tctggggaaa ggaaaaccag gggttttagc 2580
tctgttctct gctcccatcc ttcgctcacc agctgagtga gaacatgaac tttttgcacc 2640
atgtacccat ggcttacact acttagaaaa tcacctttc agataaaaca gtttatgagt 2700
tcatagagaa caccagcact ctttgacaaa actgtgagtg acccttttta aacaatgctg 2760
agcaggccct gagctataat caacggtgag ctttaatgtc tatgctgaca gttaggtttt 2820
gctctctttt gtaacaggtt acgtagacca gcagtgttta aatctaaata cgttgtgagt 2880
ctgttatctg tcctatcgcg ttttttaaat gacttttat tctttatcat agctaagtaa 2940
ataccaaaaa aaaaaaaaag ctttgtagga cacttgtact tagtttggga aaaaaaaata 3000
aattgaaatt gttatgcttt tgtatttcca tttcttgcaa ataaatattt tttcttaaat 3060
agtaagatgt tgcccagtct ttataatctt ggtact 3096

<210> 1602
<211> 336
<212> DNA
<213> Homo sapiens

<400> 1602
gtgctttgtg ctttgtgcat gtggtaggca gaacactacc atatgtcccc acatacttac 60
actagacctt ggagcaagag caagaacagc aaaagcacag cgcttttgaa cccaaaagac 120
aagctccctt cttcctgcgt tgtccctcca gctscctctg ctgaccaggt ttagcatcat 180
gtgctctgta aaggaggaat tctggagagt ccagtccatt attacagagc tagtactgaa 240
gggtgagttt ggagttaaga ggcaataaat tgataactgg cacagaagcc aaatataaga 300
gtattgacta aataatagct aagtacaaga acacag 336

<210> 1603
<211> 1035
<212> DNA
<213> Homo sapiens

<400> 1603
gtgcatcggc ttcgagtcag caattctgtc taccttcttg tccctgatgc ctataaattt 60
catctrgtct ttgcgtgtat gtggggatac catggacaag arccctctga agttcatarc 120
tctgtcctgt cacaccaaag gtagcatctt tggaaagtct gaggccttgc ctagggagat 180
ggattgtata tacccagttg tcacataatg taaggaagag aagggaatgt tgacctttca 240
gcctcagggc aatggcacca gggagtatta tggaaactct taaattcaac ttccaggtat 300
tccttgggtg gtaactagac aatgaataca tacaaggctg acatgatggr attctgtcct 360
caggggtact tcggtccttg gtggaagcat ctagctcagg tgtgtcggta ctgagcctgt 420
gtgagaaagg tgatgccatg attatggaag aaacagggaa aatcttcaag aaagaaaagg 480

aaatgaagaa aggtaaaaaa aaaaaaatcc ctcactaatt ttccgtttga cccttatttg 540
gtcctatatg tttttatttt tttcactgta atgacgcayc ccaccccagc tctggctgag 600
gtatttggaa atttggwatg gcaagtggga tacaagcagt ttcctaccta atccaaactg 660
atgaaactta agcaagaccc tgaaaaaatc cttctacatt tctgaagggc actagggctc 720
ccgggagaca gcaaggcagt aggctgatga ttctttcttt acaggtattg cttttyccac 780
cagcatttcg gtaaataact gtgtatgtca cttctcccct ttgaagagcg accaggatta 840
tattctcaag gaaggtgact tggtaaaaat gtaaggttaa accgttttaa agcatttttc 900
ttttttaaaa gcatttacaa aatgccagtt cctaaatgca gtactctgat cttgcctttc 960
agtgaccttg gggtccatgt ggatggcttc atcgctaatg tagctcacac ttttgtggtt 1020
gatgtagctc agggg 1035

<210> 1604
<211> 2231
<212> DNA
<213> Homo sapiens

<400> 1604
cccacgcgtc cggcacagac agcacttcca tatgccatga atagcgagtt ctcaagtgtc 60
ttagctgcac agctgaagca tcactctgag aataagggcc tagacaaagt gatggagact 120
caagcccaag tggatgaact gaaaggaatc atggtcagaa acatagatct ggtagctcag 180
cgaggagaaa gattggaatt attgattgac aaaacagaaa atcttgtgga ttcttctgtc 240
accttcaaaa ctaccagcag aaatcttgct cgagccatgt gtatgaagaa cctcaagctc 300
actattatca tcatcatcgt atcaattgtg ttcatctata tcattgtttc acctctctgt 360
ggtggattta catggccaag ctgtgtgaag aaataggaaa gaagaagtta ccattaacca 420
aggatatgag agaacaagga gttaaaagca atccatgtga ctcaagcctt tcacatactg 480
acagatggta tctgccagtc tcttcaaccc tcttctcact ttttaaaatc ttgttccatg 540
cctccaggtt tatctttgtc ttatctacca gtttattcct gtgaacttca gattgaacca 600
ttcattgcag cagtagcctt aaaaaggctt ttgtttattt ctttggtttg ttaactagtg 660
tcatctattt agagaaacat ttttgttttt aattgctcaa agctgtcgcc gctagtctta 720
tgagctatct actaaaacta tggagaaact ttgtatgtgc acacaaaagt attcaagaga 780
cagtattgct aacatctcat cttaatgtct tttgttattg agaagtttta ggtgcttcaa 840
aacaatataa atggataata gttgttattt ggggaattgt aatgatgttg gtgctgcttc 900
cttctaagag ctcagacaag taaagtatga aacattctta tttcagttag atggggaaca 960
ttttgctagc ccattagaag cacacagaat tatccttgtc ctcctaatat tgactttcag 1020
gaataaagtt cagtgtgctg atcattcaca atacagtgga tagcttgata tcttctgttt 1080
tcccattgca gttgatttga gaagatgaag gtttaaatat tgttgaaagt tgcagttttt 1140
taaatgtgtt ccttttttctt ctgtgaatat ttagggcaat cgtgtcgcta atagaatatg 1200
tagtagaggg ggtggggagg taaattcctc tgacttgcca aagaaaaaga agggaaccac 1260
agtggatatg ctagcatttt agctgtgcaa agggaggtag tgtgggaaaa gtgtttccat 1320
tctgggaaaa gcccaaaccg aatacggtca gcagtcaact ccagggtttg ggcttgattc 1380
ctgttgaata atagttttga gcattctttg tggttaaata aattcttaaa tctgcctagt 1440
tttgatgaat tcttttgtga aacttgaaag agaatagaca gtatgacata tagaattaat 1500
acaaaacagt ttaacaacca tttaactgca gtgtaagaaa attggactgt aatcatatcg 1560
ctactggcat ctgttatcta gtatgcattt ctggtgtgta tctgaaagga agacattttc 1620
taccctagat ccaattgcat ttatttatca ataagtgcca ttaaattgaa attatattac 1680
attttacact ttctcaatga atgaacaaat tagtctgtag aatctagcca cctgtttagc 1740
ctagtcatgt gccttgaaca tatatgtgtc ccataatctg gctcatggta cctgttcttc 1800
tatccaaacc tttcaattca tgctacctga ttcatttatt tgacatagat cttaggccca 1860
cttgaactct tttcttgttt atctagcata gcacaaacgt ttttccagtc ttctttatca 1920
acactaatgc ctcttaattg catcagtatt tcctattgga aaatacatct gttccagaaa 1980
aacatttggc attcctgaat aatttccaaa tgtttttaat ccaaagaaaa aggtttaaag 2040

cttatttccc tttcttatac acacctgaat aaaattgatg tgcatgtttt agggatcaat 2100
tacctaactg ttccttggtc tatttatgta taagaatgct ttttaaagca catgtctcat 2160
tttaaatgac gcacaaactg aagatgttaa taaaatttaa gagtaataca atgaaaaaaa 2220
aaaaaaaaaa a 2231

<210> 1605
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (590)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<400> 1605
gaattttggc atcaaggaca aacccacctt catcaaaggg attggagctg gagggagcat 60
cactgggctg aagtttaacc ctctcaatac caaccagttt tacgcctcct caatggaggg 120
aacaactagg ctgcaagact ttaaaggcaa cattctacga gtttttgcca gctcagacac 180
catcaacatc tggttttgta gcctggatgt gtctgctagt agccgaatgg tggtcacagg 240
agacaacgtg gggaacgtga tcctgctgaa catggacggc aaagagcttt ggaatctcag 300
aatgcacaaa aagaaagtga cgcatgtggc cctgaaccca tgctgtgatt ggttcctggc 360
cacagcctcc gtagatcaaa cagtgaaaat ttgggacctg cgccaggtta gagggaaagc 420
cagcttcctc tactcgctgc cgcacaggca tcctgtcaac gcagcttgtt tcagtcccga 480
tggagcccgg ctcctgacca cggaccagaa gagcgagatc cgagtttact ctgcttccca 540
gtgggactgc cccctgggcc tgatcccgca ccctcaccgt cacttccagn acctnacacc 600
catcaaggca gcctgggatc ctcgctacaa cctcattgtt gtgggccgat acccagatcc 660
taatttcaaa agttgtacc 679

<210> 1606
<211> 1677
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1668)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1673)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (1676)
<223> n equals a,t,g, or c

<400> 1606
atccttcact aagcctgctt tagtttccac cacctgcttc tgcattcttt taatggctcc 60
ttaggtctcc aggaaagcta acagccaggg agaggatcag tctcttgctg gaccctggca 120
gctttkttga gagcgacatg tttgtggaac acagatgtgc agattttgga atggctgctg 180
ataagaataa gtttcctgga gacagcgtgg tcactggacg aggccgaatc aatggaagat 240
tggtttatgt cttcagtcag gattttacag tttttggagg cagtctgtca ggagcacatg 300
cccaaaagat ctgcaaaatc atggaccagg ccataacggt gggggctcca gtgattgggc 360
tgaatgactc tgggggagca cggatccaag aaggagtgga gtctttggct ggctatgcag 420
acatctttct gaggaatgtt acggcatccg gagtcatccc tcagatttct ctgatcatgg 480
gcccatgtgc tggtggggcc gtctactccc cagccctaac agacttcacg ttcatggtaa 540
aggacacctc ctacctgttc atcactggcc ctgatgttgt gaagtctgtc accaatgagg 600
atgttaccca ggaggagctc ggtggtgcca agacccacac caccatgtca ggtgtggccc 660
acagagcttt tgaaaatgat gttgatgcct tgtgtaatct ccgggatttc ttcaactacc 720
tgcccctgag cagtcaggac ccggctcccg tccgtgagtg ccacgatccc agtgaccgtc 780
tggttcctga gcttgacaca attgtccctt tggaatcaac caaagcctac aacatggtgg 840
acatcataca ctctgttgtt gatgagcgtg aatttttga gatcatgccc aattatgcca 900
agaacatcat tgttggtttt gcaagaatga atgggaggac tgttggaatt gttggcaacc 960
aacctaaggt ggcctcagga tgcttggata ttaattcatc tgtgaaaggg gctcgttttg 1020
tcagattctg tgatgcattc aatattccac tcatcacttt tgttgatgtc cctggctttc 1080
tacctggcac agcacaggaa tacgggggca tcatccggca tggtgccaag cttctctacg 1140
catttgctga ggcaactgta cccaaagtca cagtcatcac caggaaggcc tatggaggtg 1200
cctatgatgt catgagctct aagcaccttt gtggtgatac caactatgcc tggcccaccg 1260
cagagattgc agtcatggga gcaaagggcg ctgtggagat catcttcaaa gggcatgaga 1320
atgtggaagc tgctcaggca gagtacatcg agaagtttgc caacccttcc cctgcagcag 1380
tgcgagggtt tgtggatgac atcatccaac cttcttccac acgtgcccga atctgctgtg 1440
acctggatgt cttggccagc aagaaggtac aacgtccttg gagaaaacat gcaaatattc 1500
cattgtaaac aaatcaaagg aaaagaaacc aagaactgaa ttactgtctg cccattcaca 1560
tcccattcct gccttttgca atcatgaaac ctgggaatcc aaatagttgg ataacttaga 1620
ataactaagt ttattaaatt ctagaaagat caaaaaaaaa aaaaaaanaa aanaana 1677

<210> 1607
<211> 1209
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1156)
<223> n equals a,t,g, or c

<400> 1607
gctgggaagg accggtgtgc taggagatga tcggggaaag catagtcccc tgtctgtggc 60
accagacact cccgactgtg cgctgactct ccccgcccag ccagcagcct tttccagaga 120

ggctgtggtc catagcctct gttcgttttc actgcaggac caggcacgaa agttaaaaca 180
aaatgaagat tttttctgaa tctcataaaa cagtgtttgt tgtggatcac tgcccttata 240
tggcagaatc ttgcaggcag catgtcgagt ttgatatgct ggtgaagaat agaacccaag 300
gaatcattcc tttggccccc atatctaaat cattgtggac tkgctcagta gaatcttcca 360
kggaatattg tagaataatg tatgatatat ttcctttcaa aaagctggtg aattttattg 420
tgagtgactc tggagcacat gttttaaatt cttggactca agaagaccaa aatttacagg 480
agctaatggc agcattagcc gctgktgggc ctcctaatcc tcgggcagat ccagagtgct 540
gcagtattct gcatggcctt gttgcagcag tggaaactct ctgcaaaatt actgaatacc 600
aacatgaggc tcgtactcta ctcatggaga atgcagaacg tgttggaaat agaggacgaa 660
taatctgtat tactaatgca aaaagtgata gtcatgtgcg aatgcttgaa gactgtgtcc 720
aggaaacgat tcatgaacat aacaagcttg ctgcaaattc agatcatctc atgcagattc 780
aaaaatgtga gttggtcttg atccacacct acccagttgg tgaagacagc cttgtatctg 840
atcgttctaa aaaagagttg tccccggttt taaccagtga agttcatagt gttcgtgcag 900
gacggcatct tgctaccaaa ttgaatattt tagtacagca acattttgac ttggcttcaa 960
ctactattac aaatattcca atgaaggaag aacagcatgc taacacatct gccaattatg 1020
atgtggagct acttcatcac aaagatgcac atgtagattt cctgaaaagt ggtgattcgc 1080
atctaggtgg cggcagtcga gaaggctcgt ttaaagaaac aataacatta aagtggtgta 1140
caccaagggn caaatnaaca ttgtgttttc ttctatttca ggaattacac tattgtactg 1200
gggctttat 1209

<210> 1608
<211> 2608
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<400> 1608
cgnnccacgc gtccgcagca gggccaacag tcacagcagc cctgaccaga gcattcctgg 60
agctcaagct cctctacaaa gaggtggaca gagaagacag cagagaccat gggacccccc 120
tcagcccctc cctgcagatt gcatgtcccc tggaaggagg tcctgctcac agcctcactt 180
ctaaccttct ggaacccacc caccactgcc aagctcacta ttgaatccac gccgttcaat 240
gtcgcagagg ggaaggaggt tcttctactc gcccacaacc tgccccagaa tcgtattggt 300
tacagctggt acaaaggcga aagagtggat ggcaacagtc taattgtagg atatgtaata 360
ggaactcaac aagctacccc agggcccgca tacagtggtc gagagacaat ataccccaat 420
gcatccctgc tgatccagaa cgtcacccag aatgacacag gattctatac cctacaagtc 480
ataaagtcag atcttgtgaa tgaagaarca accggacagt tccatgtata cccggagctg 540
cccaagccct ccatctycag caacaactcc aaccccgtgg aggacaagga tgctgtggcc 600
ttcacctgtg aacctgaggy tcagaacaca acctacctgt ggtgggtaaa tggtcagagc 660
ctcccggtca gtcccaggct gcagctgtcc aatggcaaca tgaccctcac tctactcagc 720
gtcaaaagga acgatgcagg atcctatgaa tgtgaaatac agaacccagc gagtgccaac 780
cgcagtgacc cagtcaccct gaatgtcctc tatggcccag atggccccac catttccccc 840
tcaaaggcca attaccgtcc aggggaaaat ctgaacctct cctgccacgc agcctctaac 900

ccacctgcac agtactcttg gtttatcaat gggacgttcc agcaatccac acaagagctc 960
tttatcccca acatcactgt gaataatagc ggatcctata tgtgccaagc ccataactca 1020
gccactggcc tcaataggac cacagtcacg atgatcacag tctctggaag tgctcctgtc 1080
ctctcagctg tggccaccgt cggcatcacg attggagtgc tggccagggt ggctctgata 1140
tagcagccct ggtgtatttt cgatatttca ggaagactgg cagattggac cagaccctga 1200
attcttctag ctcctccaat cccattttat cccatggaac cactaaaaac aaggtctgct 1260
ctgctcctga agccctatat gctggagatg gacaactcaa tgaaaattta aagggaaaac 1320
cctcaggcct gaggtgtgtg ccactcagag acttcaccta actagagaca ggcaaactgc 1380
aaaccatggt gagaaattga cgacttcaca ctatggacag cttttcccaa gatgtcaaaa 1440
caagactcct catcatgata aggctcttac ccccttttaa tttgtccttg cttatgcctg 1500
cctctttcgc ttggcaggat gatgctgtca ttagtatttc acaagaagta gcttcagagg 1560
gtaacttaac agagtatcag atctatcttg tcaatcccaa cgttttacat aaaataagag 1620
atcctttagt gcacccagtg actgacatta gcagcatctt taacacagcc gtgtgttcaa 1680
atgtacagtg gtccttttca gagttggact tctagactca cctgttctca ctccctgttt 1740
taattcaacc cagccatgca atgccaaata atagaattgc tccctaccag ctgaacaggg 1800
aggagtctgt gcagtttctg acacttgttg ttgaacatgg ctaaatacaa tgggtatcgc 1860
tgagactaag ttgtagaaat taacaaatgt gctgcttggt taaaatggct acactcatct 1920
gactcattct ttattctatt ttagttggtt tgtatcttgc ctaaggtgcg tagtccaact 1980
cttggtatta ccctcctaat agtcatacta gtagtcatac tccctggtgt agtgtattct 2040
ctaaaagctt taaatgtctg catgcagcca gccatcaaat agtgaatggt ctctctttgg 2100
ctggaattac aaaactcaga gaaatgtgtc atcaggagaa catcataacc catgaaggat 2160
aaaagcccca aatggtggta actgataata gcactaatgc tttaagattt ggtcacactc 2220
tcacctaggt gagcgcattg agccagtggt gctaaatgct acatactcca actgaaatgt 2280
taaggaagaa gatagatcca attaaaaaaa attaaaacca atttaaaaaa aaaaagaaca 2340
caggagattc cagtctactt gagttagcat aatacagaag tcccctctac tttaactttt 2400
acaaaaaagt aacctgaact aatctgatgt taaccaatgt atttatttct gtggttctgt 2460
ttccttgttc caatttgaca aaacccactg ttcttgtatt gtattgccca gggggagcta 2520
tcactgtact tgtagagtgg tgctgcttta attcataaat cacaaataaa agccaattag 2580
ctctataaaa aaaaaaaaaa aaaaaaaa 2608

<210> 1609
<211> 2013
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 1609
ggacccagtt tctgaggaag gagaaggcct cagctgccan gatcagtncc acagagaccc 60
tctcggaaga ggagcaggaa gagctaagaa gagaacttgc aaaggtagaa gaagaaatcc 120
agatgctgca agcgaggtcc aagcacatct tgtcaacatg cattgccatg aatttctacc 180
agatgtgctt ttatttagct ttacatattc ctttgaccaa atagtttgtg ggttaaacaa 240
aatgaaaata tcttcacctc tattcttggg aaacaccctt tagtgtacat ttatgttcct 300

ttatttagga aacaccatta taaaaacact tatagtaaat ggggacattc actataatga 360
tctaagaagc tacagattgt catagttgtt ttcctgcttt acaaaattgc tccagatctg 420
gaatgccagt ttgacctttg tcttctataa tatttccttt ttttcccctc tttgaatctc 480
tgtatatttg attcttaact aaaattgttc tcttaaatat tctgaatcct ggtaattaaa 540
agtttgggtg tatttttctt acctccaagg aaagaactac tagctacaaa aaatattttg 600
gaataagcat tgttttggta taaggtacat attttggttg aagacaccag actgaagtaa 660
acagctgtgc atccaattta ttatagtttt gtaagtaaca atatgtaatc aaacttctag 720
gtgacttgag agtggaacct cctatatcat tatttagcac cgtttgtgac agtaaccatt 780
tcagtgtatt gtttattata ccacttatat caacttattt ttcaccaggt taaaatttta 840
atttctacaa aataacattc tgaatcaagc acactgtatg ttcagtaggt tgaactatga 900
acactgtcat caatgttcag ttcaaaagcc tgaaagttta gatctagaag ctggtaaaaa 960
tgacaatatc aatcacatta ggggaaccat tgttgtcttc acttaatcca tttagcacta 1020
tttaaaataa gcacaccaag ttatatgact aatataactt gaaaattttt tatactgagg 1080
ggttggtgat aactcttgag gatgtaatgc attaataaaa atcaactcat cattttctac 1140
ttgttttcaa tgtgttggaa actgtaaaat gatactgtag aacctgtctc ctactttgaa 1200
aactgaatgt cagggctgag tgaatcaaag tgtctagaca tatttgcata gaggccaagg 1260
tattctattc taataactgc ttactcaaca ctaccacctt ttcctatac tgtatatgat 1320
tatggcctac aatgttgtat ttgttattta ttaaattgtg attgttttat tattgtttat 1380
gccaaatgtt aactgccaag cttggagtga cctaaagcat tttttaaaag catggctaga 1440
tttacttcag tataaattat cttatgaaaa ccaaatttta aaagccacag gtgttgattg 1500
ttataaaata acatgctgcc attcttgatt gctagagttt ttgttagtac tttggatgca 1560
attaaaacta tgtgctatca catgtgaaaa gcttaataaa ttccatctat cagtagtata 1620
ggtctcaata tttattatga gaccagtggt ctggaaacag cttgttgtac cgaatcaact 1680
ggagtctatg cttaaaaaaa aaaaattttt ttttaaccat ccttaaatta ttgcttaatg 1740
gtatcatatt aacatattct aaataagggc tttaaggcac aggctgttga agcattttct 1800
cagaggagtg gatctgtaga agtctgtctt tctatagaaa tattgtgctt actcaagtgt 1860
taaattattt tttctatgaa ctagtctact tcttaaaatt caaacatatt cttttgatca 1920
cattgtttct tgagcatcct gccctgmyac taacttttca acaaggcaaa atggagtaaa 1980
rwggcaaytt ctttaratga gtgaaaaaaa aaa 2013

<210> 1610
<211> 604
<212> DNA
<213> Homo sapiens

<400> 1610
ggcagagcgc cgacgcagac ccctctctgc acgccagccc gcccgcaccc accatggcca 60
cagttcagca gctggaagga agatggcgcc tggtggacag caaaggcttt gatgaataca 120
tgaaggagct aggagtggga atagctttgc gaaaaatggg cgcaatggcc aagccctgag 180
atttccttca tactgggcca ggaatttgac gaagtcactg cagatgacag gaaagtcaag 240
agcaccataa ccttagatgg gggtgtcctg gtacatgtgc agaaatggga tggaaaatca 300
accaccataa agagaaaacg agaggatgat aaactggtgg tggaatgcgt catgaaaggc 360
gtcacttcca cgagagttta tgagagagca taagccaagg gacgttgacc tggactgaag 420
ttcgcattga actctacaac attctgtggg atatattgtt caaaaagata ttgttgtttt 480
ccatgattta gcaagcaact aatttttctcc caagctgatt ttattcaata tggttacgtt 540
ggttaaataa actttttttа gatttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaa 604

<210> 1611
<211> 979
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 1611
cagggaacca ttgctggaca aggcacagga gccacctcca tttctgagct ctgcaaggga 60
caagaactag agccatcagg ggctgggctc actgtggccc caccccaagc cgtcagcctc 120
cagggatcta caccctgcct tggctgctac agctttttca ctccactgcc ctaggggagt 180
tcagcaacct aatgatctct atctctgaac atctcttcat cccatgctcc aagtccagca 240
acctgcaccc tggaaccagg agnggaccct acccaggctg ttcttgaact cctgacctca 300
ggngctccgc ctgcgctggc ttcccggggt gctgggatac aggagtgagc cactgcgcct 360
ggctgatccc agcacttttc aaatgatgcc gctcaaagcc gtgacttggc ctactttgaa 420
cagcaaactt gttgctgctg ttgtcaacct gaaggcctct caaatgccag cttcaagcag 480
ggtgtgaatt ggccagtgtc agatctcagg agtcctgtgt tgagagtgtg gctttcagct 540
gcggggagct gcacttggtg gggaaagcca ggcaggtcac cctcacagcc agataatgtg 600
gaggtcagaa cccaaggaag ggagtgagac ctccactccc agtgggggac ctggccaccc 660
atccttgggg acctgagaaa gcgtacttca ccttggggtg aaggctgggt ggggccagag 720
ggaccagtgc cctcctcagt gcttaggggc agagccacct gcagcaatgg tatctgcata 780
ttagcccctc tccaccttct ttctcccgct gaatcatttc cctcaaagcc caagagctgt 840
cactgcttct ttctccctgg gaagaatgcg tggactctgc ctggtgatag actgaagcca 900
gaacagtgcc acaccctcgc cttaattcct tgctaggtgt tctcagattt atgagacttc 960
ttagtcaaat atgaaggga 979

<210> 1612
<211> 504
<212> DNA
<213> Homo sapiens

<400> 1612
gaacatagtt ctttccaaca tgtaaggtct gattcatgtg aaataaatcc tttgcaacat 60
cttcttcaca tgaatcagac ctaacatagt tctttccaac atgtaaggta aatacattga 120
ttaactttct cttttccaaa attaggttta aggatttatt tcacaaattt taaaggrgat 180
atgagtaaaa gtttttatct tttcttgact ttttctcctg aacacttatg tcttagcaag 240
tggtcaacat gaggatttga acgcctaatt gttggtaaat ggttgaggca tgacaaaaat 300
attaatatcc actgtttacc atcatgttat ttgaaacaaa agtgaccatg tatactatct 360
tgcttgaaga agtctttgac agaaaaagca atatcatgtc atttataaat tttcttgttc 420
taaagaaagc agttatatat atatataaat tatgtaaata aaagttattt tatatcaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaa 504

<210> 1613
<211> 1650
<212> DNA
<213> Homo sapiens

<400> 1613
gagtacggca gcccgtcggt catcagcgtc agcaaaggca gccctgacgg cagccacccg 60
gtggtggtgg cgccctacaa cggcgggccg ccgcgcacgt gccccaagat caagcaggag 120
gcggtctctt cgtgcaccca cttgggcgct ggacccctc tcagcaatgg ccaccggccg 180
gctgcacacg acttcccct ggggcggcag ctccccagca ggactacccc gaccctgggt 240
cttgaggaag tgctgagcag cagggactgt caccctgccc tgccgcttcc tcccggcttc 300
catccccacc cggggcccaa ttacccatcc ttcctgcccg atcagatgca gccgcaagtc 360
ccgccgctcc attaccaaga gctcatgcca cccggttcct gcatgccaga ggagcccaag 420
ccaaagaggg gaagacgatc gtggccccgg aaaaggaccg ccacccacac ttgtgattac 480
gcgggctgcg gcaaaaccta cacaaagagt tcccatctca aggcacacct gcgaacccac 540
acaggtgaga aaccttacca ctgtgactgg gacggctgtg gatggaaatt cgcccgctca 600
gatgaactga ccaggcacta ccgtaaacac acggggcacc gcccgttcca gtgccaaaaa 660
tgcgaccgag cattttccag gtcggaccac ctcgccttac acatgaagag gcatttttaa 720
atcccagaca gtggatatga cccacactgc cagaagagaa ttcagtattt tttacttttc 780
acactgtctt cccgatgagg gaaggagccc agccagaaag cactacaatc atggtcaagt 840
tcccaactga gtcatcttgt gagtggataa tcaggaaaaa tgaggaatcc aaaagacaaa 900
aatcaaagaa cagatggggt ctgtgactgg atcttctatc attccaattc taaatccgac 960
ttgaatattc ctggacttac aaaatgccaa gggggtgact ggaagttgtg gatatcaggg 1020
tataaattat atccgtgagt tgggggaggg aagaccagaa ttcccttgaa ttgtgtattg 1080
atgcaatata agcataaaag atcaccttgt attctcttta ccttctaaaa gccattatta 1140
tgatgttaga agaagaggaa gaaattcagg tacagaaaac atgtttaaat agcctaaatg 1200
atggtgcttg gtgagtcttg gttctaaagg taccaaacaa ggaagccaaa gttttcaaac 1260
tgctgcatac tttgacaagg aaaatctata tttgtcttcc gatcaacatt tatgacctaa 1320
gtcaggtaat atacctggtt tacttcttta gcatttttat gcagacagtc tgttatgcac 1380
tgtggtttca gatgtgcaat aatttgtaca atggtttatt cccaagtatg ccttaagcag 1440
aacaaatgtg tttttctata tagttccttg ccttaataaa tatgtaatat aaatttaagc 1500
aaacgtctat tttgtatatt tgtaaactac aaagtaaaat gaacattttg tggagtttgt 1560
attttgcata ctcaaggtga gaattaagtt ttaaataaac ctataatatt ttatctgaaa 1620
aaaaaaaaaa aaagggcggc cgctcgcgac 1650

<210> 1614
<211> 987
<212> DNA
<213> Homo sapiens

<400> 1614
gctcgtgccg aattcggcac gagtcggcac gaggtccaag ggggtgtgtg ttcacgggaa 60
tgctgagtac cagcccggtt ctccagttta ttcctccaag tgccaggact gcgtgtgcac 120
ggacaaggtg gacaacaaca ccctgctcaa cgtcatcgcc tgcacccacg tgccctgcaa 180
cacctcctgc agccctggct tcgaactcat ggaggccccc ggggagtgct gtaagaagtg 240
tgaacagacg cactgtatca tcaaacggcc cgacaaccag cacgtcatcc tgaagcccgg 300
ggacttcaag agcgacccga agaacaactg cacattcttc agctgcgtga agatccacaa 360
ccagctcatc tcgtccgtct ccaacatcac ctgccccaac tttgatgcca gcatttgcat 420
cccgggctcc atcacattca tgcccaatgg atgctgcaag acctgcaccc ctcgcaatga 480
gaccagggtg ccctgctcca ccgtccccgt caccacggag gtttcgtacg ccggctgcac 540
caagaccgtc ctcatgaatc attgctccgg gtcctgcggg acatttgtca tgtactcggc 600
caaggcccag gccctggacc acagctgctc ctgctgcaaa gaggagaaaa ccagccagcg 660
tgaggtggtc ctgagctgcc ccaatggcgg ctcgctgaca cacacctaca cccacatcga 720
gagctgccag tgccaggaca ccgtctgcgg gctccccacc ggcacctccc gccgggcccg 780
gcgctccccc aggcatctgg ggagcgggtg agcggggtgg gcacagcccc cttcactgcc 840

ctcgacagct ttacctcccc cggaccctct gagcctccta agctcggctt cctctcttca 900
gatatttatt gtctgagtct ttgttcagtc cttgctttcc aataataaac tcagggggac 960
atgcaaaaaa aaaaaaaaaa aaaaaaa 987

<210> 1615
<211> 1487
<212> DNA
<213> Homo sapiens

<400> 1615
gcttgtcatg agaaggtggt aaatatccaa aaagaccccg gtgaatctct cggcatgacc 60
gtcgcagggg gagcatcaca tagaraatgg gatttgccta tctatgtcat cagtgttgag 120
cccggaggag tcataagcag agatggaaga ataaaaacag gtgacatttt gttgaatgtg 180
gatggggtcg aactgacaga ggtcagccgg agtgaggcag tggcattatt gaaaagaaca 240
tcatcctcga tagtactcaa agctttggaa gtcaaagagt atgagcccca ggaagactgc 300
agcagcccag cagccctgga ctccaaccac aacatggccc cacccagtga ctggtcccca 360
tcctgggtca tgtggctgga attaccacgg tgcttgtata actgtaaaga tattgtatta 420
cgaagaaaca cagctggaag tctgggcttc tgcattgtag gaggttatga agaatacaat 480
ggaaacaaac ctttttcat caaatccatt gttgaaggaa caccagcata caatgatgga 540
agaattagat gtggtgatat tcttcttgct gtcaatggta gaagtacatc aggaatgata 600
catgcttgct tggcaagact gctgaaagaa cttaaaggaa gaattactct aactattgtt 660
tcttggcctg gcacttttt atagaatcaa tgatgggtca gaggaaaaca gaaaaatcac 720
aaataggcta agaagttgaa acactatatt tatcttgtca gtttttatat ttaaagaaag 780
aatacattgt aaaaatgtca ggaaaagtat gatcatctaa tgaaagccag ttacacctca 840
gaaaatatga ttccaaaaaa attaaaacta ctagtttttt ttcagtgtgg aggatttctc 900
attactctac aacattgttt atatttttc tattcaataa aaagccctaa aacaactaaa 960
atgatttgta taccccactg aattcaagct gatttaaatt taaaatttgg tatatgctga 1020
agtctgccaa gggtacatta tggccatttt taatttacag ctaaaatatt ttttaaaatg 1080
cattgctgag aaacgttgct ttcatcaaac aagaataaat atttttcaga agttatagtt 1140
gtcttttagt atgtgatact aattaagatt acttttgtat tatcactatt taaaagatcc 1200
tagtaatwta ttctttcaaa taccatgtta tttgttacca tcaccgatga atacctccta 1260
ggcttatccc taaaaatgct cgctcagaga attaattata aacttgtttt gtttttagta 1320
agaaatggct aaagctcttt ttttccacaa tcgttagtaa ctgtataaaa actcatgctg 1380
ctccaccagt gggccttgga aaatgcatca agaaggccaa accagcttga ccctggctya 1440
cagacatggt catgaggcga tttaaatttg tgctctgccg ctctgcc 1487

<210> 1616
<211> 713
<212> DNA
<213> Homo sapiens

<400> 1616
acacccaata atcagtcatg tgtaatatgc acaagtttgt ttttgttttt gttttttttg 60
ttggttggtt tgttttttttg ctttaagttg catgatcttt ctgcaggaaa tagtcactca 120
tcccactcca cataaggggt ttagtaagag aagtctgtct gtctgatgat ggatagggggg 180
caaatctttt tcccckytct gttaatagtc atcacatttc tatgccaaac aggaacratc 240
cataacttta gtyttaatgt acacattgca ttttgataaa attaattttg ttgtttcctt 300
tgaggttgat cgttgtgttg ttgttttgct gcacttttta ctttttgcg tgtggagctg 360
tattcccgag accaacgaag cgttgggata cttcattaaa tgtagcgact gtcaacagcg 420
tgcaggtttt ctgtttctgt gttgtggggt caaccgtaca atggtgtggg agtgacgatg 480
atgtgaatat ttagaatgta ccatattttt tgtaaattat ttatgttttt ctaaacaaat 540

ttatcgtata ggttgatgaa acgtcatgtg ttttgccaaa gactgtaaat atttatttat 600
gtgttcacat ggtcaaaatt tcaccactga aaccctgcac ttagctagaa cctcattttt 660
aaagattaac aacaggaaat aaattgtaaa aaaggttttc tataaaaaaa aaa 713

<210> 1617
<211> 3522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3508)
<223> n equals a,t,g, or c

<400> 1617
agtccggaat tcccgggttt gntgacgcgt ccgcagcaag gtgcctcgct gtgtcaacac 60
tcagcctggc ttccactgcc tgccctgccc gccccgatac agagggaacc agcccgtcgg 120
ggtcggcctg gaagcagcca agacggaaaa gcaagtgtgt gagcccgaaa acccatgcaa 180
ggacaagaca cacaactgcc acaagcacgc ggagtgcatc tacctgggyc acttcagcga 240
ccccatgtac aagtgcgagt gccagacagg ctacgcgggc gacgggctca tctgcgggga 300
ggactcggac ctggacggct ggcccaacct caatctggtc tgcgccacca acgccaccta 360
ccactgcatc aaggataact gcccccatct gccaaattct gggcaggaag actttgacaa 420
ggacgggatt ggcgatgcct gtgatgatga cgatgacaat gacggtgtga ccgatgagaa 480
ggacaactgc cagctcctct tcaatccccg ccaggctgac tatgacaagg atgaggttgg 540
ggaccgctgt gacaactgcc cttacgtgca caaccctgcc cagatcgaca cagacaacaa 600
tggagagggt gacgcctgct ccgtggacat tgatggggac gatgtcttca atgaacgaga 660
caattgtccc tacgtctaca acactgacca gagggacacg gatggtgacg gtgtggggga 720
tcactgtgac aactgccccc tggtgcacaa ccctgaccag accgacgtgg acaatgacct 780
tgttggggac cagtgtgaca acaacgagga catagatgac gacggccacc agaacaacca 840
ggacaactgc ccctacatct ccaacgccaa ccaggctgac catgacagag acggccaggg 900
cgacgcctgt gaccctgatg atgacaacga tggcgtcccc gatgacaggg acaactgccg 960
gcttgtgttc aacccagacc aggaggactt ggacggtgat ggacggggtg atatttgtaa 1020
agatgatttt gacaatgaca acatcccaga tattgatgat gtgtgtcctg aaaacaatgc 1080
catcagtgag acagacttca ggaacttcca gatggtcccc ttggatccca aagggaccac 1140
ccaaattgat cccaactggg tcattcgcca tcaaggcaag gagctggttc agacagccaa 1200
ctcggacccc ggcatcgctg taggttttga cgagtttggg tctgtggact tcagtggcac 1260

attctacgta aacactgacc gggacgacga ctatgccggc ttcgtctttg gttaccagtc 1320
aagcagccgc ttctatgtgg tgatgtggaa gcaggtgacg cagacctact gggaggacca 1380
gcccacgcgg gcctatggct actccggcgt gtccctcaag gtggtgaact ccaccacggg 1440
gacgggcgag cacctgagga acgcgctgtg gcacacgggg aacacgccgg ggcaggtgcg 1500
aaccttatgg cacgacccca ggaacattgg ctggaaggac tacacggcct ataggtggca 1560
cctgactcac aggcccaaga ctggctacat cagagtctta gtgcatgaag gaaaacaggt 1620
catggcagac tcaggaccta tctatgacca aacctacgct ggcgggcggc tgggtctatt 1680
tgtcttctct caagaaatgg tctatttctc agacctcaag tacgaatgca gagatattta 1740
aacaagattt gctgcatttc cggcaatgcc ctgtgcatgc catggtccct agacacctca 1800
gttcattgtg gtccttgtgg cttctctctc tagcagcacc tcctgtccct tgaccttaac 1860
tctgatggtt cttcacctcc tgccagcaac cccaaaccca agtgccttca gaggataaat 1920
atcaatggaa ckcagagatg aacatctaac ccactagagg aaaccagttt ggtgatatat 1980
gagactttat gtggagtgaa aattgggcat gccattacat tgcttttttct tgtttgttta 2040
aaaagaatga cgtttacata taaaatgtaa ttacttattg tatttatgtg tatatggagt 2100
tgaagggaat actgtgcata agccattatg ataaattaag catgaaaaat attgctgaac 2160
tacttttggt gcttaaagtt gtcactattc ttgaattaga gttgctctac aatgacacac 2220
aaatcccgtt aaataaatta taaacaaggg tcaattcaaa tttgaagtaa tgttttagta 2280
aggagagatt agaagacaac aggcatagca aatgacataa gctaccgatt aactaatcgg 2340
aacatgtaaa acagttacaa aaataaacga actctcctct tgtcctacaa tgaaagccct 2400
catgtgcagt agagatgcag tttcatcaaa gaacaaacat ccttgcaaat gggtgtgacg 2460
cggttccaga tgtggatttg gcaaaacctc atttaagtaa aaggttagca gagcaaagtg 2520
cggtgcttta gctgctgctt gtgccgctgt ggcgtcgggg aggctcctgc ctgagcttcc 2580
ttccccagct ttgctgcctg agaggaacca gagcagacgc acaggccgga aaaggcgcat 2640
ctaacgcgta tctaggcttt ggtaactgcg gacaagttgc ttttacctga tttgatgata 2700
catttcatta aggttccagt tataaatatt ttgttaatat ttattaagtg actatagaat 2760
gcaactccat ttaccagtaa cttattttaa atatgcctag taacacatat gtagtataat 2820
ttctagaaac aaacatctaa taagtatata atcctgtgaa aatatgaggc ttgataatat 2880
taggttgtca cgatgaagca tgctagaagc tgtaacagaa tacatagaga ataatgagga 2940
gtttatgatg gaaccttaat atataatgtt gccagcgatt ttagttcaat atttgttact 3000
gttatctatc tgctgtatat ggaattcttt taattcaaac gctgaaaacg aatcagcatt 3060
tagtcttgcc aggcacaccc aataatcagt catgtgtaat atgcacaagt ttgtttttgt 3120
ttttgttttt tttgttggtt ggtttgtttt tttgctttaa gttgcatgat ctttctgcag 3180
gaaatagtca ctcatcccac tccacataag gggtttagta agagaagtct gtctrtctga 3240
tgatggatag ggggcaaatc ttttttcccct ttctgttaat agtcatcaca tttctatgcc 3300
aaacaggaac gatccataac tttagtctta atgtacacat tgcattttga taaaattaat 3360
tttgttgttt cctttgaggt tgatcgttgt gttgttgttt tgctgcactt tttacttttt 3420
tgcgtgtgga gctgtattcc cgagaccaac gaagcgttgg gatacttcat taaatgtagc 3480
gactgtcaac agcaaaaaaa gancttnnaa aataataagg aa 3522

<210> 1618
<211> 902
<212> DNA
<213> Homo sapiens

<400> 1618
ggccaaccat cagtattttc cccccacaac atgtgtaaca cttttcagtc tgtggatatc 60
tgatacatta agatttcttt ttataagtat tcattttgaa tgtgcatata gttatttgac 120
cccttccaaa tacttgtagc caaacattgg ctagaacatc ccaagatatg ctgacactgt 180
cctgttagct tcatattata cttgctagtt taggtctcta tagaagccct atataattta 240
gaatatgccc actgaatatc tttaatagaa agtaacataa agctagtatt caatgtagag 300
tattttcata tgtttttcac agcccgttac aaattggcaa tgtttggtta atgtttgtat 360

tacttggaaa tcgctacagc ttggactatt tttttctaaa tttttagcat tagtccattt 420
ctgctgctaa caattgaatc cagaaatcta ctttctccat cttccactgt tagtgccagt 480
gagcaatact gttgtgcaac aaaaatgtca ctttatctca gtgtgaatga gtagtctaaa 540
ttccctttct accattgatt taaatatata tattggtaag agagactgcc catgtgttta 600
gaatagaatt ttttaaatga aatgatcaac aggtggaatt tgaaatatat tcttctacaa 660
aagagatttc tttccctttt atattttgat gattgttttc ttaagattaa gatatgttct 720
tgctctttta taagattatt taaattatgt ttccctctga ttttttttca ccattgtatt 780
tactaagtta ttggatttac atgaaatctg gcactttagg gtgttctttt tctcacagag 840
tatatttaat aaaaatgctg tgtatatara aaaaaaaaaa aaaaaaaaaa agggcggccg 900
ct 902

<210> 1619
<211> 1158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1145)
<223> n equals a,t,g, or c

<400> 1619
tcgacccacg cgtccgagcc gagactgcga aggagaacgc agcaagccca ggcggcggtg 60
gaaaggctgg aggacacacc taaacatgtg gaatcccaat gccgggcagc cagggccaaa 120
tccatatccc cccaatattg ggtgccctgg aggttccaat cctgcccacc caccacctat 180
taatccaccc tttcccccag gcccctgtcc tcctccccca ggagctcccc atggcaatcc 240
agctttcccc ccaggtgggc cccctcatcc tgtgccacag ccagggtatc caggatgcca 300
accgttgggt ccctaccctc ctccataccc accgcctgcc cctggaatcc ctcctgtgaa 360
tcccttggct cctggcatgg ttggaccagc agtgatagta gacaagaaga tgcagaagaa 420
aatgaagaaa gctcataaaa agatgcacaa gcaccaaaag caccacaagt accacaagca 480
tggcaagcat tcctcctctt cctcctcctc ttccagcagt gattctgact gaatacaggc 540
cctggaccct tccctcaagt ctcaccagtt ctgctctccc atcaagcttc agatgccatg 600
ttgtactggg ggaatgtagc ccttgtgctc cccacccccc acctccacct gagcctcacc 660
ctgctgttga gccctgagtg gctaggggaa atgggaagag gattgccatg gcctggccat 720
cttgttgctg cttggttaga tcatatagct aatgaattag gcaggggagc tatttttga 780
agatgatgaa ctaaatgttg aagacaagtt tgagatctgt aaaatgtgat tttttacttc 840
cacttataat acttgtgatt ggggaggttt gtggaaattc aattatgatg aaaaacctat 900
ctttttgta atgttggcat acttggggaa tttagtggca aatacattcc ccagcaggcc 960
ttttgttggt tgcactaact gcaaggttgc tgggaagtag agtccatttg gttgatgagc 1020
tttgactgcg gttttggaac cttacctctc ctccttagcc caatatgctg tcttgggtcc 1080
tattcaaata aagttatttc tcctggtnnc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140

acccnggggg gggcccgg 1158

<210> 1620
<211> 2260
<212> DNA
<213> Homo sapiens

<400> 1620
acagcaaatg caaagaccca gaggcatgca agggaaagga gataaagtag gcctgggctg 60
cagcgaaaga ggagagtgat gggaggcagc aggggtggaa gcctcagttt ccacctctat 120
aaagtgggaa taaaaaagct accaacttaa aacaaatggt gagaattcat caagatctag 180
cctgtaaagc atttgtgctt ggcattgaga aagtgctcgt aaatgttagc atcattccct 240
tttatttatt tatttttca agacagagtt tcaccatatt ggtcaggcta ttctcgaact 300
cctgacctca agtgatccgc ctgcctcagc ctcccaaagt gctgggatta caaagcatga 360
gccaccgcac ctggccgagg tactttcttt ctaacaccaa acccagaagg acattgctgc 420
agttccaggc agcactggtg cagagcaggc tttccttata tggggcagag agaagggcac 480
agcctgctcc taatagggaa aggttgagct gatctgagca tgcccagttt atgctctcca 540
gactctccaa gcacatgagt cttggcatct ccccgagcac agcaagtaac aggcaggagg 600
agtgttaagc ctgwrgctcc atcttcaggg aagaaaacat cccaactaga gaagaaggga 660
caccttcccc tcctaacaaa tgaatgagcg ggcaagtgag taaatgaatg agtgattctg 720
attgggggggg tgcagggatg tcccttcact caccctcttg tccacagttg caggggctct 780
cattgctgac ttcttgtctg gcctggtaca ctggggtgct gacacatggg gctctgtgga 840
gctgcccatt gtggggaagg ctttcatccg acccttccgg gagcaccaca ttgacccgac 900
agctatcaca cggcacgact tcatcgagac caacggggac aactgcctgg tgacactgct 960
gccgctgcta aacatggcct acaagttccg cacccacagc cctgaagccc tggagcagct 1020
ataccctgg gagtgcttcg tcttctgcct gatcatcttc ggcaccttca ccaaccagat 1080
ccacaagtgg tcgcacacgt actttgggct gccacgctgg gtcaccctcc tgcaggactg 1140
gcatgtcatc ctgccacgta aacaccatcg catccaccac gtctcacccc acgagaccta 1200
cttctgcatc accacaggct ggctcaacta ccctctggag aagataggct tctggcgacg 1260
cctggaggac ctcatccagg gcctgacggg cgagaagcct cgggcagatg acatgaaatg 1320
ggcccagaag atcaaataac ttctccgagc ctgctacctg gttgccaacc ttccctagcc 1380
cccaaaccga agccatctgc caaattccag cctctttgag ctggcccctc cagatggaga 1440
ggacatctcc tgggctgggc ccaggtaccc cagcccaccc ctcatgacac agaatacttg 1500
agccactgat ttttcatttc ttttttttt tttcctcggc ccctcctcag ccacctgagt 1560
tgctctatct gcaagcctga ctctgccagc ctcccctggt agagaggagg tttacccact 1620
ccctgcacgc ctgccgtccc tgccccgctg ggcagccctt cagtgtggct ggcgttgggg 1680
ccagtgagtt gcctctttcc ctccttgtct ggccccagtg gtctggggag cccccaggca 1740
cacctaagcg tcgtggagca ttgttctgcc acagccctgc atactgaccc cgggaggctg 1800
ggcaggtgga cagccccagc caccaccttc agcctagcct gtcccccaag gatggtgaag 1860
ctcagcaggg gtctgagggt agccggccag aagaggctgg aacctcctgc tcaagtctag 1920
acccctactt ctctgctgcc cccaccctgc cagagctgat gtttccaata ccaagatgtc 1980
ttcacagggc acagcccctg cagagcatct tggtcatttg gaagaggaca cggtatcccc 2040
tctggccaga gtatgtcaga gaaggaagag tagggctttt ttgttttgtt ttttttaaa 2100
ggtgcttgct tgtttaatgt aaataataga aagccttaat atcttttctg taacacggag 2160
taatatttta atgtcatgtt ttggatgtac ataatatatt tataacaaag cagcaagagt 2220
ctacttaaaa aaaaaaaaaa aaaaaaaaaa aaaaactcga 2260

<210> 1621
<211> 1077
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1014)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1028)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1029)
<223> n equals a,t,g, or c

<400> 1621
aaatggctat tggtgaattt tgactgttct gccatgtggg tgaaaaagag aacagactta 60
acgggagcct ttagactgga ccccacttac ctgaagcaca gccatcagga ttcagggctt 120
atcactgact accggcattg gcagatacca ctgggcagaa gatttcgctc tttgaaaatg 180
tggtttgtat ttaggatgta tggagtcaaa ggactgcagg cttatatccg caagcatgtc 240
cagctgtccm atragtttga gtcactggtg cgccagggat ccccgctttg aaatctgtgt 300
ggaagtcatt ctggggcttg tctgctttcg gctaaagggt tccaacaaag tgaatggagc 360
tcttctgcaa agaataaaca gtgcmaaaaa aatccacttg gttccatgtc acctcaggga 420
caagtttgtc ctgcgctttg ccatctgttc tcgcacggtg gaatctgccc atgtgcagcg 480
ggcctgggaa cacatcaaag agctggcggc cgacgtgctg cgagcagaga gggagtagga 540
gtgaagccag ctgcaggaat caaaaattga agagagatat atctgaaaac tggaataaga 600
agcaaataaa tatcatcctg ccttcatgga actcagctgt ctgtggcttc ccatgtcttt 660
ctccaaagtt atccagaggg ttgtgatttt gtctgcttag tatctcatca acaaagaaat 720
attatttgct aattaaaaag ttaatcttca tggccatagc ttttattcat tagctgtgat 780
ttttgttgat taaaacatta tagattttca tgttcttgca gtcatcagaa gtggtaggaa 840
agcctcactg atatattttc cagggcaatc aatgttcacg caacttgaaa ttatatctgt 900
ggtcttcaaa ttgtcttttg tcatgtggct aaatgcctaa taaacaattc aagtgaaaaa 960
aaaaaaaaaa agggccggcc gctctagaag gatcccaact tacgtacgcc tgcnttgcca 1020
cgtcattnnc tctttctaat aggggtcacc ctaaaattca aattcactgg gccgtcg 1077

<210> 1622
<211> 2377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2377)
<223> n equals a,t,g, or c

<400> 1622
ggctcnaaca tccttttgct gtgacgagct acgggaagaa tctgtatttc acagactgga 60
agatgaattc cgtggttgct ctcgatcttg caatttccaa ggagacggat gctttccaac 120
cccacaagca gacccggctg tatggcatca ccacggccct gtctcagtgt ccgcaaggcc 180
ataactactg ctcagtgaac aatggcggct gcacccacct atgcttggcc accccaggga 240
gcaggacctg ccgttgccct gacaacacct tgggagttga ctgtatcgaa cagaaatgaa 300
gacaagagtg ccttatttcc tttccaagta tttcacagca acactctact tgaagcaact 360
tggtccagat tgaaaagtgt cctctggstg agtggccact aggcccagac ccagcccagc 420
ctgagcccca acaacttttc cctcactgtt ccccaaaaca tgcaccctgg acttctctaa 480
tagaaaagtc tccaccccta cacaaggaca gaaccctcca cccctacccc caaccctcag 540
acagacttat acacccctga gtgaggatta catgcccatc ccagtgtcct aggacctttt 600
cccaatacta gccccccagt ggtgaacaga acctcccaaa tttgagttgc acccttccct 660
gtggccttat gagctcagcc tcgctttgag gtacccaccg tcctgtcagc tccttgacct 720
atgagccggg gcctgactag gaaaagttgg gagttaagga ggaaattagc attccttaat 780
gttttgtttt ggtgctctga atttcttctt tattatagtc ctatagtttt actcctcagt 840
tcctcaccat catcatcttg tctaagaccc ccattataat attcatgcgc tgctttttca 900
tcaaaaccta ccctgtccta gagatctatg ggcatttggt ggatgataat gagcagcccc 960
tcccagatag aatgtcaata tttgagcagt aggatattgg catttgttag ttaaaggctt 1020
aaatcaaaag aatgtccaat ggtaggaatt tcaaggtgta ggtcagatat ttgagaatag 1080
gggatttttt tgatgtgcct taaattatac caaagattac taattattcc tctttgccca 1140
aaatacttgc atccaaggtt ctagtctctg ttgctgtgct ggtctttagc cccactgctk 1200
gcactgatgt ccctcctttt cacggagacc tatctgaggt acaggatggg gctggcacca 1260
gatgatgtcc caccacagtc cctcacctcc ggcctccaca tgacagaacc aatttacact 1320
caaccatgac ctcacccctc cttggtttct ccctcgatct gtggcccttt ttggatgtat 1380
tcttatctaa caacacaatc cggaaagact gaattgaata tttatactaa tggttcatat 1440
cctttattgc tcaatgatct aattaaaggg atcattgcca catttcatgt ttatatttct 1500
acaatttgtt tagaaaacat ctcctgacca tatcagtagc tcgtgttatc tttttatcaa 1560
ctgcttccca gagtcctaaa acaatagaaa ttttggattg aaaagttcag cataaggagt 1620
ttgagtcagt aaaggatggg ataaaggagt cgagatgatt caatgaaaag tatcacaaaa 1680
aagagattga tcaacaagag aaataaaaaa gcccaagagg aagtggtagg ggaaggaatt 1740
taagaacagc aataagtaaa actcttaagt aactccaaaa agaaaatggt acattttgcc 1800
aaagaccact tatacttgag aacatggaag aatttgcctg atactctctt tggggaaaag 1860
agtctctcct cttttcctca aaccccagta cactcagcct ctctgcccca ccttctcctg 1920
actttgtcct cacttgcttc tgcagtacat tggaacctga attgaaagaa agtcttcctt 1980
gaataattgg agtttgtctt gagaggcaaa tatagcccca agaatcacaa gattcgagga 2040
ccatgtaggt cttttacgta gcccaaatcc ataaattagt ctcacttttt gtatttatcg 2100
tttcatatta aaccctctat atcaaatgtt catcatgatt ttgtatgatt tttataacta 2160
ttttattcat tttattagat ttattctaaa atttttaat ggtaaattct taaactgtgg 2220
aaaccactga aggtgcttat taactgttct cccagatttg tacaagtatt ggatgattcc 2280
ttgagtttac agctgtacaa atagtgtgga aaataaactt tttttaaaaa agaaaaaaaa 2340
aaaaaaaaaa aaaanaaaaa aaaaaaaaaa aaaaann 2377

<210> 1623
<211> 1258
<212> DNA
<213> Homo sapiens

<400> 1623
ttgagaagtt ggatgaatat atatatagac acttctttgg tcacactttt tcccctccat 60
atggacccag tcgacctgat aaaaagcaac gtatggtaaa tattgaaaac tccaggcatc 120
gaaaacaaga gcagaagcac cttcagccac agccttataa aagggaaggt aaatggcata 180
aatatggtcg cactaatgga agacaaatgg caaatcttga aatagaattg gggcaattac 240
cttttgatcc tcaatactga ttcacaattg agttaaatta gacaactgta agagaaaaat 300
ttatgctttg tataatgttt ggtattgaaa ctaatgaaat taccaagatg acaatgtctt 360
ttcttttgtt tctaagtatc agtttgataa ctttatatta ttcctcagaa gcattagtta 420
aaagtctact aacctgcatt ttcctgtagt ttagcttcgt tgaatttttt ttgacactgg 480
aaatgttcaa ctgtagtttt attaaggaag ccaggcatgc aacagatttt gtgcatgaaa 540
tgagacttcc tttcagtgta agagcttaaa gcaagctcag tcatacatga caaagtgtaa 600
ttaacactga tgtttgtgtt aaatttgcag cagagcttga gaaaagtaca ttgttctgga 660
atttcatcat taacatttta taatcttaca ctcacttctt gtctttttgt gggttcaaga 720
gccctctgac ttgtgaagaa tttgctgccc tcttaagagc ttgctgactt gttttcttgt 780
gaaatttttt gcacatctga atatcgtgga agaaacaata aaactacacc atgaggaaaa 840
ctaaaggtct ttatttaaaa tctggcattg tattaacatg taatttttata ctatgtggta 900
ttttatacat ttcctcagta gtgatatttg gtaaagcagt tcatacagct tttttctaag 960
ttccatgaat cttacccagt gtttaccgaa gtatttaagc agcatctgaa tatttccacc 1020
cagcaatgtt aatttatcta ggaaagttca gaatttcatc ttcatgttga atttcccttt 1080
taacttccgt tcatagacat atatgtgact tccaattcga ccctctggca agtgagtgtg 1140
gaagaaaaca gcagttcttt tataattgct tgaaattagg aaagcgctta tttcctagaa 1200
gcaaataaat gtttaagtaa ataaaggcta cattttgctg agtactgttt cagtcaaa 1258

<210> 1624
<211> 2469
<212> DNA
<213> Homo sapiens

<400> 1624
aaaggtgaga atgcacaaag acagctctgg gttgggtacc acagttttgc ttggtagaaa 60
gaaaccagtg taggaaagga gacgccacca gacatcttca acagacaaga ttctttctgc 120
ctttttcaaa agatgctctc tgcagcagta agactataga tagagttgat tggaatatca 180
tgtgacccag tatgctactg ctaggcataa ttatcaaaaa ttcatttttc tcattaaata 240
ttgttaattg ctcgccacat aaagagaagc tagagctcac cagtcttggt ggtgtcctag 300
accttcctct aaagcagtct tgggaagctg gatcatcagw tctttagcct agacagagtg 360
tcgctggtaa ataaaggaga cacaggtaac ccagagtgga cagtgatttg cgtggggagw 420
cacagtggat ctggggcctc tgatactttg yttcckaaaa cagcccccag ttttcggctt 480
gcctatgaga tgatgttcat gtgcttcctt gaaaccaggt ggaaagaaag gggaagaatt 540
aattttctca ttctgttgct gttgaacgta atgtaatctt aatactgtag ccttcctaga 600
agcccttccc tctttttcat gctgtaaagt caaatatttg atatccttaa cataaatttt 660
aaaaattaag gtcattaggr agcaaatgtc tatttccaaa gcaatgagct tgttgtgact 720
gtgattttat tcttctatag tatttttttc ctcattttaa ctgagaggag aaaataatac 780
tcttttgcaa tatccttagg ttctcccctt ccccctggtg ccccttctag tgtcttaaga 840
ctttgtctta acaagtataa cattacattt tgttgttaaa acctttcgaa actgtattca 900
gtgattcttc caagtttatc tgctctgcac tatttcacta ataaaccctg gctaccacgt 960

agcccttgat ctccaagtag tttacctatg caagacctgt gacactctga attcacttct 1020
ctttctttca gaaagtagtc ataaatggag cttaattata aaggtaaaac ttgtctccaa 1080
ccagtttcat tttggccatt tctttttcaa aatgtcagct gttttcctcc aagatttttc 1140
accaaaacaa tgatcataag tgctggaata tataatactt tgcaggcata aaataaccca 1200
gacatactct catatttctt tggtgtattt tggttggtaa aacttaccag cattaaatgt 1260
aaaatataat gaggagttaa ttccttacct agaactattt cttcctttta agattcataa 1320
gtaacctttt atttttacag agctacgtat aacttccaca ttacagtcag ggacctgagg 1380
tgtaacttac taagtgaacc ccaaggttat tttatcttgc aaaagaaacc taaaccaaac 1440
taagggcctt acagtttatg gttagactga atcaaaagct ataacctcaa tttttccaaa 1500
aacagcttct gactgcaaaa gcaagtcata cagttgttag gtatgaaata gcactgatca 1560
ggaaatgcat cttcgcagat ggtatttcct tcagaaaaga cttttctact tttaatataa 1620
attaagccat aacagtttca tgctgtggaa agagggtgaa aaggttcatt ttaagagatt 1680
atataatatg aactttcaca tttactgtga aatgtctaac tttgccagtg cttcagcaag 1740
ttttttgggg gggtgatggg gaggggtagt attggtttta gaggtttcaa atctgtgaac 1800
tttggagagg ggacagttgt tggctctggt atttactagt tttgtagtaa cgttttgcta 1860
gcctgactga cttttcttac tggtttttat gcccacggtc cgaggggact gttcttcttg 1920
ttkggggtgt ctgcggaata gcgtctcgtc ttgtttgtat aggcagtcaa tgtgtgtgac 1980
atgtgtgtcc tttcagtccg gaagcccact gtgtgacaat ggcgtggggt gtggctggga 2040
ggtggggtgc tgaagcttga agagcatttc tttgctgatt cataacagta tttcccatct 2100
tttgcctgca ggcagggaaa gtgtacagta tttatttttgt ttctgtttta ctttaaattt 2160
gtaagtcttt aagtagctta cattgattat tatagggggag gacaagtgac ttgtttaaag 2220
ttgtatttag tattctttcc aatttctgta ttttaaaata ttgaaattaa aattgtatta 2280
cttctgtttt gatttttta gcactcagtg tatttttgc tcattttgtt tgaaagtata 2340
aatgttgaaa attgtataaa atgcgtcctt gaaagaaaaa gaatctgaat tctatatcca 2400
attctgactt tgttcccttt ttctgctgat tgaatcatgg gaaattattt aaaagtatga 2460
aaaactggg 2469

<210> 1625
<211> 1281
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1224)
<223> n equals a,t,g, or c

<400> 1625
gcacccctttt gcacatcagc attttaacag ctggtctttt gagaagcctg tatcttttc 60
ctcttcagta gataccttc ttcatggtcc tttgcctaat caaacagagg cctttggctt 120
tgaaaatcca tgacaaggcc tcagaaatca gtgttgtgga ggattactcc atgccaccgg 180
agaaactctg gtgaaagaga aacctcgtgg tctttaggat gttgggattt tragtgaacc 240
tgacctgata gcctcaggat tcagggaaag gacaatcaga tggcggtgtt ttccaggggg 300
acgcgccaaa tcatgtggtt tcagacaatt gtgtttgcct ttgtscctcc ctggaaggga 360
ggccaactaa gggtatcacc aagaagccaa aagagaaata ggcatgagcc tgtggtttta 420
aactttacag gctgggcaaa ggatttagaa agacccttag catgattttc ctaaaagaga 480
ccttagctgc tccaacctgg tgctgatagc tgctttgttg atctatgctt taaaatttty 540
ctttataatg cccccagatg gctcctggaa ctagtcgtaa ttgcaaactg taaaaatccc 600
tcctccccag tgtagatatt taaaccagag taagtgaggg gagacattct gtggtctctg 660
aatgtgcctt cccsctcayc gtgtgttaaa acacaaaagc cgaagttcca tggcrtcatg 720
attccgaggg gctggaggga taggacccac tccacatcta aaggggatct gctttgggct 780

cggtcccatt agcgagtggg ggactcttgc tgtgtgctaa gaggctgcta ggactcaccc 840
agttggaatt ctgggtgggc tcaggaagtt tagagccacg taaaaagctg gtaggcatga 900
gtgtgccagg tctttgccag cctgcgtctc cttttgcacc ccccaatcca gagtttgctt 960
tcttttgact aaattggctc ctgcaggggg aagggcagaa agctaggccc tctgctctgg 1020
aaagtcggcc tgaggtttcc ggcaagttaa cccttaaaat ggacacccct cagcccgccc 1080
tccccctttgg ccttcccaga atctccttca gtggttgctc tcacacctgt gccataacat 1140
catcttccat gacttggacg ggcacttcct tgacaattcc tattggcatc acacgggcta 1200
caaattatgc tgttttctaa agantttgaa ctttttttttt tttcctttgc ttgagacacg 1260
gttcttgctc tgttggccag g 1281

<210> 1626
<211> 1355
<212> DNA
<213> Homo sapiens

<400> 1626
ggtgagagcg cgcgcttgcg gacgcggcgg cattaaacgg ttgcaggcgt agcagagtgg 60
tcgttgtctt tctaggtctc agccggtcgt cgcgacgttc gcccgctcgc tctgaggctc 120
ctgaagccga aaccagctag actttcctcc ttcccgcctg cctgtagcgg cgttgttgcc 180
actccgccac catgttcgag gcgcgcctgg tccagggctc catcctcaag aaggtgttgg 240
aggcactcaa ggacctcatc aacgaggcct gctgggatat tagctccagc ggtgtaaacc 300
tgcagagcat ggactcgtcc cacgtctctt tggtgcagct caccctgcgg tctgagggct 360
tcgacaccta ccgctgcgac cgcaacctgg ccatgggcgt gaacctcacc agtatgtcca 420
aaatactaaa atgcgccggc aatgaagata tcattacact aagggccgaa gataacgcgg 480
ataccttggc gctagtattt gaagcaccaa accaggagaa agtttcagac tatgaaatga 540
agttgatgga tttagatgtt gaacaacttg gaattccaga acaggagtac agctgtgtag 600
taaagatgcc ttctggtgaa tttgcacgta tatgccgaga tctcagccat attggagatg 660
ctgttgtaat ttcctgtgca aaagacggag tgaaattttc tgcaagtgga gaacttggaa 720
atggaaacat taaattgtca cagacaagta atgtcgataa agaggaggaa gctgttacca 780
tagagatgaa tgaaccagtt caactaactt ttgcactgag gtacctgaac ttctttacaa 840
aagccactcc actctcttca acggtgacac tcagtatgtc tgcagatgta ccccttgttg 900
tagagtataa aattgcggat atgggacact taaaatacta cttggctccc aagatcgagg 960
atgaagaagg atcttaggca ttcttaaaat tcaagaaaat aaaactaagc tctttgagaa 1020
ctgcttctaa gatgccagca tatactgaag tcttttctgt caccaaattt gtacctctaa 1080
gtacatatgt agatattgtt ttctgtaaat aacctatttt tttctctatt ctctgcaatt 1140
tgtttaaaga ataaagtcca aagtcagatc tggtctagtt aacctagaag tatttttgtc 1200
tcttagaaat acttgtgatt tttataatac aaaagggtct tgactctaaa tgcagtttta 1260
agaattgttt ttgaatttaa ataaagttac ttgaatttca aamaaaaaaa aaaaaaaaaa 1320
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 1355

<210> 1627
<211> 1188
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1164)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1178)
<223> n equals a,t,g, or c

<400> 1627
cgcttccggc accggccgag gtgcgggtcg cctccagagg tgcgtggtcg tggcgcgagg 60
gatcctgagg ctgctccagc agtgcgccgc cgccgtctcc tggggcggct tgggttagcc 120
gggagatcct gtgccttcaa accctacgag tccatacttt aaaacaaaat gaagaaagta 180
aggcttaagg aactagagag tcgcctgcaa caagtggatg gatttgaaaa gcccaagcta 240
cttctggaac agtatcctac caggccgcac attgcagcat gtatgctcta tacaatccat 300
aacacttatg atgacattga aaataaagtc gttgcagatc taggatgtgg ttgtggagta 360
cttagcatcg gaactgcaat gttaggagca gggttgtgtg ttggatttga catagatgaa 420
gacgcattgg aaatatttaa taggaatgca gaagagtttg agttaacaaa tattgacatg 480
gttcaatgtg atgtgtgctt attatctaac agaatgtcca agtcattcga tacagtaatt 540
atgaatcctc cctttgggac caaaaataat aaagggacag atatggcttt tctaaagact 600
gctttggaaa tggcaagaac agcagtatat tccttacaca aatcctcaac tagagaacat 660
gttcaaaaga aagctgcaga atggaaaatc aagatagata ttatagcaga acttcgatat 720
gacctgccag catcatacaa gtttcacaaa aagaaatcag tggacattga agtggaccta 780
attcggtttt ccttttaaaa gccccgcaaa caaaagtcgt ttaaaaccta tttaaaatga 840
ataaaaaatt ggtttactaa aaaaaaaaaa aaagggcggc cgctctagag gatccaagct 900
tacgtacgcg tgcatgcgac gtcatagctc ttctatagtg tcacctaaat tcaattcact 960
ggccgtcgtt ttacaacgtc gtgactggga aaaccctggc gttacccaac ttaatcgcct 1020
tgcagcacat ccccctttcg ccagctggcg taatagcgaa gaggcccgca ccgatcgccc 1080
ttcccaacag ttgcgcagcc tgaatggcga atgggacgcg ccctgtagcg gcgcattaag 1140
cgcggtgggt gtggtgggta cccncanngt gaccgntnca cttgcaag 1188

<210> 1628
<211> 1389
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 1628
agagcctgtn ctaacctgag attggcagat tcacctaaat attacgtgtt tacatgtgtt 60
tttntgggga aaatgggtcc atgatactct aagggagcta atgatgaaat cagattgaac 120
agtgaaagtt tcttttgaag gtaaactttc ctgagaatgg ctttctctct cctgataaac 180
tgtctttgct ggaaaaactc ctacccgaga ggaaggaagt ggaagagact gatgagatgg 240
accaagtaga actggtggac tttgatccaa atcaggaaag acggcgccac tacaatggag 300
aagcatatga ggatgatgaa catcatccca gaggtggtgt tcagtgtcag acctcttaat 360
gggccagtga ataacactca ctgctggcat ttaatgtgca gtagtgaatg agtgaaggac 420
tgtaatcata atatgctcac tacttgctct tgtttttgtt ttaataaact atagtagtgt 480
twtaaaaagt taaatgaaga ataaacgcaa atataaaagc tctgattttg ccctgtatgt 540
atgatgactt cagtgtgcaa gatgaagttt aatacctgta aaaactacaa agaagttccc 600
ctagcatttc taggccaaac cttgtaattg acttcagcta tgtacgtgga caagcttaga 660
ctgaaatgct aggtatatgt attggcttca gtgtatgacc cttcattgtt aagctatgaa 720
agtaaaactc tgtatttaac tggcaatgag gaaaaaaaaa ttttgtagag aagtgttggt 780
ctgtatagtt ctttatatta agtgggattc attgtaatgc ctctgcattt attctgttgc 840
ctcagctgtt acttgaagat ggcgtaatat ataatttatc ctgtggtatc agtgataaaa 900
atgatacctt tctgtaggag gggtttatca taatatgctg cttcttgaag gcttgcactt 960
ccagaattgt gtttccttct gctgtgccat tcatatatat atacatatat atatataatc 1020
ttgaccagtc ctggtcattt gctcccctcc ttgtctgtgg accatgataa gcccaagtag 1080
tgacttcaga gctgggtaac agaaattaaa gtgaaaagac ctttacgtgg agaatttgca 1140
tgcgtaatat aggaaggtgt tctttaggta tgttacagga ttactttaaa ccatttgact 1200
ttcgctccaa agttatgttg gtagtatagc aaattatgat gaatagcttt aattgtatgt 1260
ttaaaagtct catatgttca catgcttaaa tctgggtatc agaatttaag caattcttga 1320
aatgtattgt ctccttaata tactaattac aaagcatctc caatgtgtgt caaaaaaaaa 1380
aaaaaaaag 1389

<210> 1629
<211> 621
<212> DNA
<213> Homo sapiens

<400> 1629
atggagaagg tccaggacac gtgggtgggg gaagctgagc gctgagacca agggctaaag 60
ctgggagact gaaaaaatgc agaccgccgg ggcattattc atttctccag ctctgatccg 120
ctgttgtacc aggggtctaa tcaggcctgt gtctgcctcc ttcttgaata gcccagtgaa 180
ttcatctaaa cagccttcct acagcaactt cccactccag gtggccagac gggagttcca 240
gaccagtgtt gtctcccggg acattgacac agcagccaag tttattggtg ctggggcagc 300
cacagttggt gtggctggtt caggggctgg cattggaacc gtgtttggca gcttgatcat 360
tggctatgcc aggaacccgt ctctcaagca gcagctcttc tcctatgcca ttcttggctt 420
tgccctgtct gaggccatgg ggcttttctg tttgatggtc gccttcctca tcctcttcgc 480
catgtgaggc tccatggggg gtcaccggcc tgttgctact gcaactccac accattcttg 540
gtgctggggt gtgttaagct ttaccattaa acacaacgtt tctctaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa a 621

<210> 1630
<211> 1158

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (888)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (948)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1053)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1156)
<223> n equals a,t,g, or c

<400> 1630
gaattcggca cgagcacaca gtagcgcaaa ccactttcct tcccaaagca agacatcaaa 60
gggacagaaa gctggcactt ccctgagaaa gacgtttcta gtgaagggaa cattctgttg 120
tttaattagg ggaggtatca ttgtctacgg ccccatctca cagcccacag cctttcctcc 180
aagggacttg tagccaccat cctgccctct gccacagctt acctctgatg tttcagaggg 240
agagaaaggg ttccaaacag cggactggtt aaattttccc aaaacttggg tctaaaaagg 300
gaaataaatg tttgaaatca taacttttc cctctcacag tcattttctc ctctctcaag 360
ctccctttgg tggtcacttc atattttacc agtctcaatc ctaatatgtg tctgataagt 420
cagttgttcc cgtataaatg aaaggtttcc atagataaaa ttacattttc ctctcatgaa 480
tcacacttat gcattataga gttgatcaat aaaaactctt caagattcct tccactgtag 540
attcccaaaa gccccacaga agaggaggga gggaaataag acagcagact cccaaattta 600
gccttttaac actccttccc tttgtgccag caggtccaat agaacggaat gtttcattca 660
atccagtgac ttgagcaagc gcctctctcc tgaatctact gtttctcaag aataatgagt 720
ttkgatgcag ctagttagca aaaggcagga acacaaaagc aactgaacct tccaggtgct 780
taatatttaa agatccttaa tacttgcagc agcattagaa agagaattag tgtaaaactc 840
ccaggtattg aaccargact aagcactctt attcccagtg aactgtcnca acaaacctct 900
gggataagag ctattattac tcccatttta tagaccagaa caatgaanct actcccagag 960
gcagacttac ttggttcgga ggaccagcat ggcactgtcc ctccgatcct gccacagagc 1020
atgcaaaaag gcaatggcgg cacgatgcag cangggtggg caccagtatc gatcttgctg 1080
ttgggaatca atcagctcca gcactgcatg gagacagctc cacatcccaa ggctgaattc 1140
ctgcaagaag ggacangt 1158

<210> 1631
<211> 679
<212> DNA
<213> Homo sapiens

<400> 1631

agcctgggtg atggagcgag gcttttctca aaaaagaaaa aaaatatata gcatataaca 60
tacaaaatga gtttatcaac tgtttgttat tggtaagtca gcagtgggct attggtggtt 120
aagttttggg ggagtcaaaa gttacatgca aatttttac tgtgcggggt gtcagcatcc 180
ctaaccccat gttgttcaag ggtcaactgt agtttaaaat gactcctgtc tcaaaaaacc 240
aaaggataac ctttaaggga ttggtaactt tgactcaaaa ctgctttgta atcttttcac 300
aatgtactga aaagtgtggc tagttatgtt tgatccacat tctagagaaa tttgtaggtt 360
ttaatttctt ttctcttggt cctctcttca tgtataatgg ttgcttttaa cagctgttcg 420
ctgatgtggt cctgctctgt cccagtctag cagctttagt gtatggaaaa attgaactag 480
gaattgagtt ttgaagaaat aaaggtgtaa gagcaaacat tcaacagttg ctgtccccag 540
taatgaagtt catacagaca aaagatggca tgtcactgta catcatacct tgcaataaat 600
attctgttaa attgtgctgg tgcaatttaa catgcttttg tcaaagtaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaa 679

<210> 1632
<211> 4601
<212> DNA
<213> Homo sapiens

<400> 1632
gtcagccctc gcgctggggg cgcaggaaac aatagaggcc gcgcgcacag agcgagctct 60
tgcagcctcc ccgcccctcc cgcaacgctc gaccccagga ttccccccggc tcgcctgccc 120
gccatggccg acaaggaagc agccttcgac gacgcagtgg aagaacgagt gatcaacgag 180
gaatacaaaa tatggaaaaa gaacacccct tttctttatg atttggtgat gacccatgct 240
ctggagtggc ccagcctaac tgcccagtgg cttccagatg taaccagacc agaagggaaa 300
gatttcagca ttcatcgact tgtcctgggg acacacacat cggatgaaca aaaccatctt 360
gttatagcca gtgtgcagct ccctaatgat gatgctcagt ttgatgcgtc acactacgac 420
agtgagaaag gagaatttgg aggttttggt tcagttagtg gaaaaattga aatagaaatc 480
aagatcaacc atgaaggaga agtaaacagg gcccgttata tgccccagaa cccttgtatc 540
atcgcaacaa agactccttc cagtgatgtt cttgtctttg actatacaaa acatccttct 600
aaaccagatc cttctggaga gtgcaaccca gacttgcgtc tccgtggaca tcagaaggaa 660
ggctatgggc tttcttggaa cccaaatctc agtgggcact tacttagtgc ttcagatgac 720
cataccatct gcctgtggga catcagtgcc gttccaaagg agggaaaagt ggtagatgcg 780
aagaccatct ttacagggca tacggcagta gtagaagatg tttcctggca tctactccat 840
gagtctctgt ttgggtcagt tgctgatgat cagaaactta tgatttggga tactcgttca 900
aacaatactt ccaaaccaag ccactcagtt gatgctcaca ctgctgaagt gaactgcctt 960
tctttcaatc cttatagtga gttcattctt gccacaggat cagctgacaa gactgttgcc 1020
ttgtgggatc tgagaaatct gaaacttaag ttgcattcct ttgagtcaca taaggatgaa 1080
atattccagg ttcagtggtc acctcacaat gagactattt tagcttccag tggtactgat 1140
cgcagactga atgtctggga tttaagtaaa attggagagg aacaatcccc agaagatgca 1200
gaagacgggc caccagagtt gttgtttatt catggtggtc atactgccaa gatatctgat 1260
ttctcctgga atcccaatga accttgggtg atttgttctg tatcagaaga caatatcatg 1320
caagtgtggc aaatggcaga gaacatttat aatgatgaag accctgaagg aagcgtggat 1380
ccagaaggac aagggtccta gatatgtctt tacttgttgt gattttagac tccccttttt 1440
tcttctcaac cctgagagtg atttaacact ggttttgaga cagactttat tcagctatcc 1500
ctctatataa taggtaccac cgataatgct attagcccaa accgtgggtg ttttctaaat 1560
attaataggg gggcttgatt caacaaagcc acagacttaa cgttgaaatt ttcttcagga 1620
attttctagt aacccaggtc taaagtagct acagaaaggg gaatattatg tgtgattatt 1680
tttcttctta tgctatatcc ccaagttttt cagactcatt taagtaaagg ctagagtgag 1740
taaggaatag agccaaatga ggtaggtgtc tgagccatga agtataaata ctgaaagatg 1800
tcacttttat tcaggaaata gggggagatt caagtcgtat agattcctac tcgaaaatct 1860
tgacacctga ctttccagga tgcacatttt catacgtaga ccagtttcct cttggtttct 1920

tcagttaagt caaaacaaca cgttcctctt tccccatata ttcatatatt tttgctcgtt 1980
agtgtatttc ttgagctgtt ttcatgttgt ttatttcctg tctgtgaaat ggtgtttttt 2040
tttttgttgt tggttttttt ttttttttt ttaacttggg accaccaagt tgtaaagatg 2100
tatgttttta cctgacagtt ataccacagg tagactgtca agttgagaag agtgaatcaa 2160
taacttgtat ttgttttaaa aattaaatta atccttgata agagttgctt tttttttta 2220
ggagttagtc cttgaccact agtttgatgc catctccatt ttgggtgacc tgtttcacca 2280
gcaggcctgt tactctccat gactaactgt gtaagtgctt aaaatggaat aaattgcttt 2340
tctacataac cccatgctga tgggttttat ttagtataaa acatccatca aacaccagtc 2400
tctggcttct agaagagtcc ttcagatgac agttgttgtc catggtcttt gactatcaag 2460
agcagaatta aatgtaatag tcccagagct gtagaaaaga actttactcc ttcccaggga 2520
aagtgaaaga cataaaacac tgaatcagag gtggcacaga ttagtctttg ataaggtaac 2580
gtttctttga agtctgtctg tagagaacta catggacttc caagagtgtc aaaggcagtg 2640
tggtagagag aatttaaggc aagatttaaa tttggaaaag gtgcttgaac cttttctcag 2700
aggttttatt tccccagtat gtttttcact ggggccttta cttaggttag aaataatagg 2760
ctttgaaggc ctctatcacc agatgcaata accagataaa attcctgttt tttcccaatc 2820
gcttagtttt ttgttgttgt tgtttttttaa ctgagtagat cattctgacc cagaactact 2880
ttcatgaggt aagatctttg ggaaaatctg aatagcgtta accattagat tcaaatctca 2940
aatggtttct tttcaagtct agttgtttta gagtatagtg agaaatacct tgacacaatt 3000
ttaagagtaa actatatggg tcagcatatc cttgaacaaa aagtagactt tgtaaaagta 3060
ttcatttaaa ttctaacact cgtggcacaa aagaatggaa attgtaaacc catgtaatgg 3120
aaattggcta tctttttgac cccacatgtg cccctcaaaa atgtttttgg tttgggtcaa 3180
cacaaggcaa gatacattct ttaaaatact cccagatgtg tccatacatt catcctttac 3240
tcagtgcata tgtgagggtt gttgctggaa gacaggaggc tcatctttcc tttccttggt 3300
gcattgagat cagtatcaac agcagatgaa atagaatcca gcaaagagtt gacatgttct 3360
gcctccggcc aactctagaa tctttttaag caggtcagcc agtatttgca acttccacag 3420
gatgaattgc ttgccaagtt tctggcactc ttgtctggtt ggaagagtac atccaaaggg 3480
tacttagtga tcctttgcta agaagttttt tgctgtttcc gggttacaga tttggccata 3540
tatttctaaa cagccccttg agactgtgtc tccattccac ctgcctgaga agtgggagca 3600
tcarcctgtt ccaggctctt gggtagtagc atagccttaw aagtagagag ccattttcca 3660
tgtgtttttg gataagcaca atttgaaaat catttcccaa atcctctttt tgtttttgat 3720
tctaaggtaa aattttccct aagccctccc accatcccct cagccagtat tagatgagat 3780
ttgtatagca gcagaaactg acttataagt agagagctct tcagcaagac tgagccttag 3840
ctgttccatc tctttgttct tctgttgctg gagttgcacc ccatttctta actgcctctg 3900
gcgttcttcc atttcctcca gctgttcctg catgagatgg ccaagaacat ttctaatgag 3960
ccaaacaata aaaactcaca ttgtccactc ttacttataa aacacttttt tgttcattgt 4020
ttaatcttga tagcagtatt gaggctggta tttatatgat aggttatgaa acaggttcaa 4080
agaagttgtg tcttggaaaa aaagtgacaa tgcttttgaa aatgatgacg aaaaaggcat 4140
cttgtctgtt aaccacagct tgctttaata gaatcctggg agggtgattg ggacttttta 4200
gtattacaac cttagtgtca ttgaggagga ttttggtcta gttagtgggc tgagtttcat 4260
atacctctcc ctccatgtgc aggtttgtta agataattgg tagtttttaa taatataaaa 4320
tacttaagtt gaaatacaaa agtgtggcaa caattattaa atattggcta gaattctagg 4380
agagttacac aactagtgga agtccatgtt tagaaaataa atggcttgtt taaggaaaag 4440
tttttgtgtc caaagctcct taaagtcaga gagatttcta cctggtactt aacatcatat 4500
ggaaattgat gctttagtga gggtgttggc tatcctattg tcaatttcct gcatccttt 4560
ttcttcttta tttttgtata gagacaggtc tcgctatgtt g 4601

<210> 1633
<211> 376
<212> DNA
<213> Homo sapiens

<400> 1633
gagaagacga cagaagggga ggatggttaa ctcctgccgc atccttttc ttgtgttcac 60
gtggcattct ctaacccagg gcagtggttc cttcccaggc catgcacaga ggctgggtgc 120
ctgccagacc cacggagggt tcgcgaagga aggggcatcc tccttcttga gctgcaagct 180
ttagctgagg cagtaagtca cacagtagtt agttcagcct gggctggcac ataagtcccc 240
agtgtccctg ttgagagggg aaagttgcct gctggttgaa aaactggctt ttccttttctc 300
gctgcctaat ttcactctca gagtgaggca ggtaactggg gctccactgg gtcactctga 360
gagggttgtg gctctg 376

<210> 1634
<211> 3643
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3599)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3628)
<223> n equals a,t,g, or c

<400> 1634
gagataatta ctgataggca gtctggaaag aaaagaggct ttggctttgt tacttttgat 60
gaccatgatc ctgtggataa aatcgtattg cagaaatacc ataccatcaa tggtcataat 120
gcagaagtaa gaaaggcttt gtctagacaa gaaatgcagg aagttcagag ttctaggagt 180
ggaagaggag gcaactttgg ctttggggat tcacgtggtg gcggtggaaa tttcggacca 240
ggaccaggaa gtaactttag aggaggatct gatggatatg gcagtggacg tggatttggg 300
gatggctata atgggtatgg aggaggacct ggaggtggca attttggagg tagccccggt 360
tatggaggag gaagaggagg atatggtggt ggaggacctg gatatggcaa ccagggtggg 420
ggctacggag gtggttatga caactatgga ggaggaaatt atggaagtgg aaattacaat 480
gattttggaa attataacca gcaaccttct aactacggtc caatgaagag tggaaacttt 540
ggtggtagca ggaacatggg gggaccatat ggtggaggaa actatggtcc aggaggcagt 600
ggaggaagtg ggggttatgg tgggaggagc cgatactgag cttcttccta tttgccatgg 660
gcttcactgt ataaatagga gaggatgaga gcccagaggt aacagaacag cttcaggtta 720
tcgaaataac aatgttaagg aaactcttat ctcagtcatg cataaatatg cagtgatatg 780
gcagaagaca ccagagcaga tgcagagagc cattttgtga atggattgga ttatttaata 840
acattacctt actgtggagg aaggattgta aaaaaaaatg cctttgagac agtttcttag 900
ctttttaatt gttgtttctt tctagtggtc tttgtaagag tgtagaagca ttccttcttt 960

gataatgtta aatttgtaag tttcaggtga catgtgaaac ctttttaag atttttctca 1020
aagttttgaa aagctattag ccaggatcat ggtgtaataa gacataacgt ttttccttta 1080
aaaaaattta agtgcgtgtg tagagttaag aagctgttgt acatttatga tttaataaaa 1140
taattctaaa ggaaattgtg taattataga ctttttattt taaataagtt aaggagtggg 1200
tagtataatt aaggtccgtt gcaaagctgt tgttatattt gtataagata aatgctggtc 1260
agatgtaagt gtgttgtctg caattcatca ggattaaatt atgtagataa cttaagggat 1320
atctctgcaa ggagaaacac ctttttagat cttttagatg ctgcttcttc aatgcaagga 1380
aaggaaataa ccccagcgag gtactcttca gggacacagg tctagtacaa gagaactctt 1440
gacggctact aagttcagcc agtcttaaaa aactgtgctg tttctacaaa actttaacta 1500
cagtagttta taaggatgcc aacgaaagct gagggtgtag agcaaaatag ttctaagctt 1560
cagttaaact tctttaggta agatcttatt tacttttcct ttcttaattt tcctccctaa 1620
aagataaact aatactctta aatggtcttt cagtatagtg gttcttacgt agtttaacat 1680
agctataaat tgagtttaac aatttataaa ctcaagagaa taatttttat aaaccctgtt 1740
ttccaatctg tcatttactt aaattatttt ggttgttttt ccctttttt ccttctttc 1800
ccacccccctc cccctccatg tgaagatttg ggtgcttaac atatcatttt tttccctgcc 1860
ggaattttag cattgatatg aaccatggac aagtatattc tgctgccaca aagactgtaa 1920
agtgcttcat ttcaacagct gaggcaagcc aagtgatcat taataaagct tttcttggtt 1980
ccttcagtgg tgttggtagt aaaatggtag gtaaaagtta ggctgcaagt tcaataaatc 2040
atgagatttc ccatcgttac acccttgtgt attcacattt cttggatcaa acattttgag 2100
tgaactaggg gtttttatta aagacatttg ttgtatttat ggttgtaact gtacatgctt 2160
atcaggatga gactgaaaga aggtagggca aaaatggttg aatctatttt cagatagtag 2220
ttcatacttg agtgaagtgt cttgtctgca ttatgaagcc tggtatgtat ccagtactaa 2280
ataggtgggt taaatgtggt aattctagtt cagtgtctta ccctgaagag aaagttgtag 2340
gttggctgtt gaaattcatt ccttagatat gatcagtttg attgcccggc tttattgcct 2400
ttacaggaat gtgatactca gggcttactc tatacaccaa tgagtcttct ttgatcctaa 2460
gaccaccact gaagttgttt aggttctttt ggacaaacat gataaacttc ttcagatact 2520
tttttttcc tttggcagga aggtgtcttg ctgcaggtaa ctaatgaaga agtggtcaac 2580
cacagagtct tcaagaaata agaaattctg taccatctga aagtagttct tgttggtgcc 2640
ttcatttaaa aagcactctt taaaataaaa gggaaatgtt ttctgataaa acaaacattt 2700
agttgaggtt cttgatataa aacaattaca aaatgagtgt tgtttgtaaa acagtaacat 2760
caaattggct agagagataa atgtatcatg ttttaaatta ggttttgtga gtagacagat 2820
tacaattcta ttttaaatat aaagtttata aaataaatac tttttgtatc caaatacttg 2880
gtgtaatgtt tacacataaa atgtgtgaat cttgttctat aaatatttgg ttgtctaaaa 2940
gatcaccatc ccctaaattt ttaaaagcag tttcacaaag ctatgcatat tttaatatta 3000
acaggtaaat gagaagagca ttgtggacat tattggctgt ccccaataaa atgctgttca 3060
ttatgcactg tatattcagc gtttgagtac tcctaaagtt tctggcttta cttttacgtt 3120
tagcaatact ggtggcattt tgaaaatcat ggattttaaa ggttaaccgg ctggagtggt 3180
ccagattaag tggctttgca gaagcactga ggtttacaat atgtgctaga ttgtcaaatg 3240
tcaattagtt ttattgtggt ttacactgag taaatgaata tcagtgttgc tttttaaatg 3300
tgtttatttg gacatttatc tgaattaaga aaaccaaaaa gaccaggtta atttgtttct 3360
atgataattt gttttggttt tgataatgtg aggtatctaa caggtaagtc aaatttaaca 3420
gcaggtaaca catagaaagc agctttctgt ttgaaatagc tgagttcgtc aattaaagac 3480
gtacaaatat cccaacttta agaaaatttt gaaggtttaa aaatgtgtgg atgtcaaaga 3540
cgttgaactt tgaaatacat cangttgata tgcataacct naaaatacca actcctatnc 3600
agccaagggt caagggaata ttacacanat agggggagaa tta 3643

<210> 1635
<211> 4051
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2278)
<223> n equals a,t,g, or c

<400> 1635
cggaaatcat tcagtgggtc agtncgagaa anatgcccgg ggttaccttc aagctcttgc 60
ttccaagatg ccgaagagct cgaggctttg aggagttcta gtctggggtc aagaacactg 120
gacccgctgt ggaaggtgcg ccgcakccag aarctggaca tgtccgcgcg gctggagctg 180
cagtcggccc tggaggcgga gatccgggcc aagcagcttg tccaggagga gctcaggaag 240
gtcaaggacg ccaacctcac cttggaaagc aaactaaagg attccgaagc caaaaacaga 300
gaattattag aagaaatgga aattttgaag aaaaarawrr aagaaaaatt cagagcagat 360
actgggctca aacttccaga ttttcaggat tccatttttg agtatttcaa cactgctcct 420
cttgcacatg acctgacatt tagaaccagc tcagctagtg agcaagaaac acaagctccg 480
aagccagaag cgtccccgtc gatgtctgtg gctgcatcag agcagcagga ggacatggct 540
cggcccccgc agaggccatc cgctgtgccg ttgcccacca cgcaggccct ggctctggct 600
ggaccgaagc caaaagctca ccagttcagc atcaagtcct tctcagccct actcagtgca 660
rccactgcac ctycctgatg gttgggctga tccggcaggg ctacgcctgc gaggtgtgtt 720
cctttgcttg ccacgtgtcc tgcaaagacg gtgcccccca ggtgtgccca atacctcccg 780
agcagtccaa gaggcctctg ggcgtggacg tgcagcgagg catcggaaca gcctacaaag 840
gccatgttca aggtcccaaa gcccaggggg tgaagaaggg atggcacgcg catatgcagt 900
cgtctgtgac tgcaagctct tcctgtatga tctgcctgaa ggaaaatcca cccagcctgg 960
tgtcattgcg agccaagtct tggatctcag agatgacgag ttttccgtga gctcagtcct 1020
ggcctcagat gtcattcatg ctacacgccg agatattcca tgtatattca gggtgacggc 1080
ctctctctta ggtgcacctt ctaagaccag ctcgctgctc attctgacag aaaatgagaa 1140
tgaaaagagg aagtgggttg ggattctaga aggactccag tccatccttc ataaaaaccg 1200
gctgaggaat caggtcgtgc atgttccctt ggaagcctac gacagctcgc tgcctctcat 1260
caaggccatc ctgacagctg ccatcgtgga tgcagacagg attgcagtcg gcctagaaga 1320
agggctctat gtcatagagg tcacccgaga tgtgatcgtc cgtgccgctg actgtaagaa 1380
ggtacaccag atcgagcttg ctcccaggga gaagatcgta atcctcctct gtggccggaa 1440
ccaccatgtg cacctctatc cgtggtcgtc ccttgatgga gcggaaggca gctttgacat 1500
caagcttccg gaaaccaaag gctgccagct catggccacg gccacactca agaggaactc 1560
tggcacctgc ctgtttgtgg ccgtgaaacg ctgatccttt gctatgagat ccagagaacg 1620
aagccattcc acagaaagtt caatgagatt gtggctcccg gcagcgtgca gtgcctggcg 1680
gtgctcaggg acaggctctg tgtgggctac ccttctgggt tctgcctgct gagcatccag 1740
ggggacgggc agcctctaaa cctggtaaat cccaatgacc cctcgcttgc gttcctctca 1800

caacagtctt ttgatgccct ttgtgctgtg gagctcgaaa gcgaggagta cctgctttgc 1860
ttcagccaca tgggactgta cgtggacccg caaggccgga gggcacgcgc gcaggagctc 1920
atgtggcctg cggctcctgt cgcctgtagt tgcagcccca cccacgtcac ggtgtacagc 1980
gagtatggcg tggacgtctt tgatgtgcgc accatggagt gggtgcagac catcggcctg 2040
cggaggataa ggcccctgaa ctctgaaggc accctcaacc tcctcaactg cgagcctcca 2100
cgcttgatct acttcaagag caagttctcg ggagcggttc tcaacgtgcc ggacacctcc 2160
gacaacagca agtaagcaga tgctgcgcac caggtagcaa aaggcggttc gtcttcaagg 2220
tcccagarga aganagactg cagcagaagc gagagatgct taaagaccca gaattganat 2280
ccaaaatgat atccaaccca accaacttca accacgtggc ccacatgggc ccaggcgacg 2340
gcatgcaggt gctcatggac ctgcctctga gtgctgtgcc cccctcccag gaggaaaggc 2400
cgggccccgc tcccaccaac ctggctcgcc agcctccatc caggaacaag ccctacatct 2460
cgtggccctc atcaggtgga tcggagccta gcgtgactgt gcctctgaga agtatgtctg 2520
atccagacca ggactttgac aaagagcctg attcggactc caccaaacac tcaactccat 2580
cgaatagctc caaccccagc ggcccaccga gccccaactc cccccacagg agccagctcc 2640
ccctcgaagg cctggagcag ccggcctgtg acacctgaag ccgccagctc gccacagggg 2700
ccagggagct ggagatggcc tccagcgtca gtgccaagac tgagcgggcc ctccagtgtt 2760
gtccaaggaa atgtagaatc actttgtaga tatggagatg aagaagacaa atctttatta 2820
taatattgat cagttttatg ccgcattgtt cgtggcagta gaccacatct gttcgtctgc 2880
acagctgtga ggcgatgctg ttccatctgc acatgaagga cccccataca gcctgtctcc 2940
cacccctgac aacccgagag ggcatatggg gccctgccaa caccacttcc tcagcagaaa 3000
cccgtcatga cgcggctgct tcggaagcag acatctgggg acacagcctc agtacccagt 3060
cttttcccta gttcctgaaa ctttcctagg accttaagag aatagtagga ggtcctatag 3120
cattcccagt gtcactagaa ttttgaagac aggaaagtgg aggttagtct gtggcctttt 3180
tttcatttag ccattgcaca gtcagctgca gaagtcctgc tgaccaccta gtcatggaca 3240
aaggcccagg accagtgaca ccctgcgtcc ctgtgtgcrt taagttcatt ctgggtcgca 3300
gccatgaagt gtcaccagta tctactactg tgaagtcagc tgtgctgttt tccattcgct 3360
tccacggctt ctgcctcctg ccataaaacc agcgagtgtc gtggtgcagg caggccctgt 3420
ggcctgctgg gctgagggaa gtcagagccc cagggcgcca cgaagcagcc actgggatac 3480
cccaccccgc cccgccctgc ccgcccccca cccccaccag tcctgccccc gcatggagcc 3540
cccgtgatta gtagcccgta tgatcacgta gacccaccca acacactcct gcacactggc 3600
cccggcccac ggcacagcaa tcccctgcgc gtggatttca cctcaccctt tgtaccagat 3660
gttgagtgac cagctctgtg gccctgtgtc gtcagaggct tgtgattaac tgtggcggca 3720
gacacagctt gtccacagct tgggccaggc ttcccctgtc ctcccaccgg tcggctgctt 3780
ggcaaggctg ttcaggacgt gcacttcccc aagtcggcac tgagtggccc agcaccgcct 3840
agccctgcca ccccactgcc ctcctgggcc ttctgctgga tgggcacctg gggggttctg 3900
gtttttactt ttttaatgta agtctcagtc tttgtaatta attattgaat tgtgagaaca 3960
tttttgaaca atttacctgt caataaagca gaagacggca gttttaaagt taaaaaaaaa 4020
aaaaaaaaaa aaaaaaaaaa ttaaaaaaaa a 4051

<210> 1636
<211> 1242
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1210)
<223> n equals a,t,g, or c

<400> 1636
ttgaaaaacg ggtcgactgg cccgtccgcc cggagccagc ggttctccaa gcacccagca 60

tcctgctaga cgcgccgcgc accgacggag gggacatggg cagagcaatg gtggccaggc 120
tcgggctggg gctgctgctg ctggcactgc tcctacccac gcagatttat tccagtgaaa 180
caacaactgg aacttcaagt aactcctccc agagtacttc caactctggg ttggccccaa 240
atccaactaa tgccaccacc aaggyggctg gtggtgccct gcagtcaaca gccagtctct 300
tcgtggtctc actctctctt ctgcatctct actcttaaga gactcaggcc aagaaacgtc 360
ttctaaattt ccccatcttc taaacccaat ccaaatggcg tctggaagtc caatgtggca 420
aggaaaaaca ggtcttcatc gaatctacta attccacacc ttttattgac acagaaaatg 480
ttgagaatcc caaatttgat tgatttgaag aacatgtgag aggtttgact agatgatgga 540
tgccaatatt aaatctgctg gagtttcatg tacaagatga aggagaggca acatccaaaa 600
tagttaagac atgatttcct tgaatgtggc ttgagaaata tggacactta atactacctt 660
gaaaataaga atagaaataa aggatgggat tgtggaatgg agattcagtt ttcatttggt 720
tcattaattc tataaggcca taaaacaggt aatataaaaa gcttccatga ttctatttat 780
atgtacatga gaaggaactt ccaggtgtta ctgtaattcc tcaacgtatt gtttcgacag 840
cactaattta atgccgatat actctagatg aagttttaca ttgttgagct attgctgttc 900
tcttgggaac tgaactcact ttcctcctga ggctttggat ttgacattgc atttgacctt 960
ttatgtagta attgacatgt gccagggcaa tgatgaatga gaatctaccc ccagatccaa 1020
gcatcctgag caactcttga ttatccatat tgagtcaaat ggtaggcatt tcctatcacc 1080
tgtttccatt caacaagagc actacattca tttagctaaa cggattccaa agagtagaat 1140
tgcattgacc acgactaatt tcaaaatgct ttttattatt attatttttt agacagtctc 1200
actttgtckn ccaggccgga gtgcagtggg tgcggttctc ag 1242

<210> 1637
<211> 2124
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<400> 1637
caacctgtag gtgcccacca agcccatgac gacnctgctg gccagggtcc tagccctatt 60
caggcaggag ctgctcttct ggggtatcgc gatccactta aggatgaggc agacttggtg 120
acaagctggt ctgagcagcg cttccagagc cagaactgag cccagtgaga gcgcaccctg 180
gggcagcctg gattcctggg gtgtccccgg cagccacaca cagccatgca ctacccaact 240
gcactcctct tcctcatcct ggccaatggg gcccaggcct ttcgcatctg cgccttcaat 300
gcccagcggc tgacactggc caaggtggcc agggagcagg tgatggacac cttagttcgg 360
atactggctc gctgtgacat catggtgctg caggaggtgg tggactcttc cggcagcgcc 420
atcccgctcc tgcttcgaga actcaatcga tttgatggct ctgggcccta cagcaccctg 480
agcagccccc agctggggcg cagcacctac atggagacgt atgtgtactt ctatcggtca 540
cacaaaacac aggtcctgag ttcctacgtg tacaacgatg aggatgacgt ctttgcccgg 600
gagccatttg tggcccagtt ctctttgccc agcaatgtcc ttcccagcct ggtgttggtc 660
ccgctgcaca ccactcctaa ggccgtagag aaggagctga acgccctcta cgatgtgttt 720
ctggaggtct cccagcactg gcagagcaag gacgtgatcc tgcttgggga cttcaatgct 780
gactgcgctt cactgaccaa aaagcgcctg gacaagctgg agctgcggac tgagccaggc 840
ttccactggg tgattgccga tggggaggac accacagtgc gggccagcac ccactgcacc 900
tatgaccgcg tcgtgctgca cggggagcgc tgccggagtc tgctgcacac tgcggctgcc 960
tttgacttcc ccacgagctt ccagctcacc gaggaggagg ccctcaacat cagtgaccac 1020
taccccgtgg aggtggagct gaagctgagc caggcgcaca gcgtccagcc tctcagcctc 1080
actgttctgt tgctgctatc actcctgtcc cctcagctgt gccctgctgc ctgagcgtcc 1140

ccctaccccc ccagggcctg ctgccttttg ggacttaaac cccagcctcc cccgtccatc 1200
cagccctggg gctgggggggc ttcaactata gttgccctgt gactgtagtc cacccctgcc 1260
tgccttgttt gatttggctc ttgttctttg gttgggcttg tgcctagatt aggagaggaa 1320
gccaggggcc ctgcactcat gccacctgcc aggtagtgta gtatcaggag tggagacaaa 1380
gtgggctctg ggttggggta ggggaaggga gggttcagaa agaggaatga agatgttgta 1440
tgacaagaag gaaagttact gagaacaaaa acccagattg gtgagatagg acacttgtgc 1500
agcagatatg ccaatgggcc atgtttattg tggattggta agaatcacca ggaaaccatt 1560
aagccccaat agctacaagg agggtggtta atctgctata tcaaactcct tccctgaaac 1620
cagcaaacac cgggaaacat tttggctcat tataatccgg tgaacaatgc agtcaggcct 1680
gttataaccg ctgagcagcc acactcgcac ctcctgggtg ctgtagtctg tgttggtaca 1740
ggcttctgca tgcctggtaa agtccagcca aggctggtca aggcaacatc tccacacaga 1800
aaatctgcac cagttatgta agctaaaaag ctgtgtgaac ccaggtgtcc cggaaagggg 1860
ctgcaggaca cagcaaaatg ccagcagcat gccggacccc tcccttccat cctcctctcc 1920
aaagaagaga ggtcaggaaa aacactggct gggacgctag aagggtcatg tgttaactat 1980
aatcacattt atggtttgga accatcaccc caaggtaaaa aaaaaataaa aggtattccc 2040
aggtatgttt ggcaaaataa aataaaggta attaaaaacc taaaaaaaaa aaaaaaaaaa 2100
aaaaaaaaaa agtcgtatcg atgt 2124

<210> 1638
<211> 1435
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1426)
<223> n equals a,t,g, or c

<400> 1638
gtgattctcc tgcctcagcc tcccaagtag ctgggaaaac aggcctgtgc caccacaccg 60
gagtagtttt tgtattttta gtagagatgg ggtttcacca tgctggccag gctggtcttg 120
aactcctgac ctcaggtgat ctgtgtgccc cagcctccca aagcgctggg attacaggtg 180
tgagccactg agcccagcca tttaggaagt attataaagg cccttaaagt ttgtaaggaa 240
atgaaagggc tttgtattac cttttcaata ggcaacaatg tacttttttct ttccttagac 300
tttggcttac tggaagattt aattaaaagg tagaggagaa gtaaatttgc tgtaataatt 360
ttgctgtaaa taaaacaaag agtttatttt attagataaa gaatgtgaag taagcatgaa 420
gagacaggct ttgggagaaa taccagaaag ggatttttca aagatggcat tgtttaatct 480
ccgtgtggcc ctcggttgtg caatcacaga tgagccagaa gagggccagc cccctacttg 540
tttgggctcc gaaactctta ccaaacatca atttttattc ttgggataga aaaatagtat 600
gtgctatctc taatacgcta cttcgatatt tattaaagaa gtatttttaa tgtagtgtcc 660
acaggctcat ttcattgaaa acaactgact atgatgatag acagctcctg attggcaaaa 720
gttcgatggt atattcagaa ttaaattttg cctgcrcacc taaacactga caacatttag 780
cttaaaggtt ttccatggag aagagtggta agagctgtag ttagcaaaat tggcatcctc 840
tttagggtgt caattctgtg ctgctttgca aattgttgaa acttttgatt ttctgtttgg 900
caatgctagt cagtgttcac ttcttacaga ttagccaaga atttttatct aaatgcagaa 960
acttattaat gaaatccatt taaactaaca caacattttg ggaggccctg ctggtaaaat 1020

tatatatgga tgcagaagta ttgcaagagt ccattttcca tttttaaatc tgcaatatct 1080
gattacattg atgaattccg ttgtattgta tgtgtgaata taaatatctg aattctcccg 1140
ggggacttgg ttttcgtcca aggatgttgg cagtggacac ttagtttacc tcaggaattg 1200
caatcatgta agactatatt cggaaaaaat gctggagtat ataattttgg atactgatat 1260
aaaatcatca agatggaagt taagcagaat tgtcacgtgt agtccatagc gcttttatat 1320
gcattattct gtaatttgtt tgtactgcgg caacttttta tactttcaat gtatcattta 1380
ataaaaaaaa taagcaagtc aaaaaaaaaa aaaaaaaang gggggnccgt tttaa 1435

<210> 1639
<211> 1631
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1084)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1612)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1613)
<223> n equals a,t,g, or c

<400> 1639
atcaatttgg aggaggttgg taccatctgt ttggggttct ttaaatcaag tactaatctc 60
tctgaatttg tcatgcggaa aattggagac ttggcttgtg ctaacattca gcatctgagt 120
agtcgctcct tagtgaatat tgttaaaatg ttccgtttca ctcacgtgga tcacatcaat 180
ttcatgaagc agattggaga gatagctcct cagcgaattc cttccctggg agttcaaggt 240
gtcatgcacc tgactcttta ctgctcggcc ttacgcttcc tgaatgaagg agtaatgaat 300
gcagtggctg cgtctttgcc tcctagagtg gcacactgtc gaagtaaaga tgttgccaag 360
attctgtggt catttggaac tctgaattat aagccaccca atgcagaaga attttactcc 420
agcctgataa gtgagattca cagaaagatg cctgaattca accagtaccc agaacacctg 480
cccacctgcc tgctgggcct ggcatttttg gagtactttc cagtagagtt aattgatttc 540
gctctcagtc cagggtttgt caggttagct caggagagaa ctaagtttga cctccttaag 600
gaactatata ccctcgatgg tacagttggc attgagtgtc cagattacag aggcaatcgt 660
cttagtactc accttcagca agaggggtct gaattgctgt ggtatttagc agagaaggat 720
atgaattcaa agcctgaatt cttagaaact gtctttttac tggagaccat gctgggggag 780
ccccagtacg tcaagcacca tatgattttg cctcataccc gatcttctga cttagaggtc 840
cagcttgatg ttaacctgaa gccattacca tttaatagag aagccacgcc ggctgaaaat 900
gtagccaaat taaggcttga gcatgtggga gtcagcctta cagatgattt gatgaataag 960
ttactaaaag ggaaagcaag aggacatttc cagggcaaaa ctgagtcaga gcctgggcag 1020
cagccatgga gttggagaat aaggcagctg tacctctggg gggcttcctt tgcaatgtag 1080
cagntaaatc aggggccatg gagatggytg gcctktgccc cgcagcctgc atgcagaccc 1140
caagaatgaa gctggctgtt cagttcacaa acaggaacca gtattgctat ggctccaggg 1200
atctccttgg actgcacaat atgaagaggc ggcagctggc tcggcttggc taccgtgtgg 1260
tagagttatc ctactgggaa tggctcccac tactgaaacg aactcgctta gaaaagttgg 1320

cgtttcttca tgagaaagta ttcacctctg ctctctgaag ggcatttagg ggcatttcta 1380
tggcaaagct ataggtgtat actgtaccag gtgttgcaaa atgattataa aagccagaat 1440
gtaagtttgg cgataaaata gtgtgttgag gagacttaat tgtatccaag gcaggttaga 1500
gctagtgtat gttactgtga attgtaatgt agttggattg tacaaattac tgcaaatgta 1560
tacatgttac tcttagtaaa taataaacat cttaatatgt cctacggtca annaaaaaaa 1620
aaaaaaaaaa a 1631

<210> 1640
<211> 853
<212> DNA
<213> Homo sapiens

<400> 1640
gaataaaccc aacctacaga gcatcatagc ttagcctagc ctgctttaaa tgtgctcaga 60
aaacttccat tagcctgcaa ttaggcaaaa tcatcaaaca taaaaccatc aaacataaaa 120
tatttataaa gtgttgaata tctcatatag tttattgaat acctgcatcc aaaagatgct 180
ggcaacacag cacactttag agcattggtt gtttactctc ttgatggtat ggctgcccag 240
catcaagagt tatcatactg caaatcgata gcccaggaaa agagcaaaat tcaaagttca 300
aagtagagtt tttactgaat gcttgctttt gcaccgtcgt aaagttgaaa agaatttaaa 360
ttgaaccatc ataagctgca gactgtgcat tttatattga aaagttaata tttttaattt 420
ttaatgcaga gaagtaccca aagcataaga acacaacaca ttttcacaaa gcaaacacag 480
ccatggaacc agcacccata tcaactaaca aaatactagt ttgggctttt ttgtacttta 540
tacaaatgga ctcatataat gttcatcttt tgggtctgcc tgctttcatt caatattagg 600
tttgtgggtt catctctgct gtgtgtagtt ctttcctgtt ctttatacag tgttccaaag 660
tatagtatat tacagtttac ccattctact cttgatagta aatgttttca catttgggct 720
attacaaata gtgctgcagt gaacattcac atacacatct tttggtgaac atgtgttaca 780
tttccaagta caattgctgg gtgatgagta tgcatactct taaaacatgg ttgtaccaat 840
ttacacctct acg 853

<210> 1641
<211> 688
<212> DNA
<213> Homo sapiens

<400> 1641
gggcagatgc gtggaagcac tgtcttggtg atctggggta agatccaaga gaattccctg 60
cattaccagg cagagactct tttcccttc tcttgccttc ctgcaaacaa atggagtctc 120
tctccatact grgctccctg gatcctgggg caggggtgac acaagagccc atatggccac 180
caccactggg actgcactgg atcagaccta aagccagggc aacactgggt cttgcctaag 240
gcccacagtg accactgcct ggctattgct gatgttcacc caaggcccag gggctkttca 300
gtcagcagtt ggtgaaccca gccagaccca tgtccttccc ttcaaggcaa taagcttttc 360
tccctgctgg cccaagtggg ttcccttctg gccctgggtg tgtctggaaa tgtcatctgg 420
gagctagggc ctggatgagt gcatcagggc tctgcctggc accctatcct actgtggctg 480
agctggtgta caagttgcaa gacagtcttc tttactcctc ctcctcctct cctgtagcag 540
aaagaaggaa tctctcccaa agctgcgagc tgtactgctt ggggttgggg gaggggtggc 600
acaagcactc ccttagccac cctggctggt gtctcactaa tttgtgtgca ccccaagtcc 660
actggctcca agggcagcgc agcaccat 688

<210> 1642
<211> 1916
<212> DNA

<213> Homo sapiens

<400> 1642
gcgccgccgt cgtgcgtgcc gctcggcgga ggggacgggc ctgcgttctc tcctccttcc 60
tccccgcctc cagctgccgg caggaccttt ctctcgctgc cgctgggacc ccgtgtcatc 120
gcccaggccg agcacgatgc cccctaaaaa gggaggtgat ggaattaaac cacccccaat 180
cattggaaga tttggaacct cactgaaaat tggtattgtt ggattgccaa atgttgggaa 240
atctactttc ttcaatgtgt taaccaatag tcaggcttca gcagaaaact tcccgttctg 300
cactattgat cctaatgaga gcagagtacc tgtgccagat gaaaggtttg actttctttg 360
tcaataccac aaaccagcaa gcaaaattcc tgcctttcta aatgtggtgg atattgctgg 420
ccttgtgaaa ggagctcaca atgggcaggg cctggggaat gctttttttat ctcatattag 480
tgcctgtgat ggcatctttc atctaacacg tgcttttgaa gatgatgata tcacgcacgt 540
tgaaggaagt gtagatccta ttcgagatat agaaataata catgaagagc ttcagcttaa 600
agatgaggaa atgattgggc ccattataga taaactagaa aaggtggctg tgagaggagg 660
agataaaaaa ctaaaacctg aatatgatat aatgtgcaaa gtaaaatcct gggttataga 720
tcaaaagaaa cctgttcgct tctatcatga ttggaatgac aaagagattg aagtgttgaa 780
taaacactta tttttgactt caaaaccaat ggtctacttg gttaatcttt ctgaaaaaga 840
ctacattaga aagaaaaaca aatggttgat aaaaattaaa gagtgggtgg acaagtatga 900
cccaggtgct ttggtcattc cttttagtgg ggccttggaa ctcaagttgc aagaattgag 960
tgctgaggag agacagaagt atctggaagc gaacatgaca caaagtgctt tgccaaagat 1020
cattaaggct gggtttgcag cactccaact agaatacttt ttcactgcag gcccagatga 1080
agtgcgtgca tggaccatca ggaaagggac taaggctcct caggctgcag gaaagattca 1140
cacagatttt gaaaagggat tcattatggc tgaagtaatg aaatacgaag attttaaaga 1200
ggaaggttct gaaaatgcag tcaaggctgc tggaaagtac agacaacaag gcagaaatta 1260
tattgttgaa gatggagata ttatcttctt caaatttaac acacctcaac aaccgaagaa 1320
gaaataaaat ttagttattg ctcagataaa catacaactt ccaaaaggca tctgattttt 1380
aaaaaattaa aatttctgaa aaccaatgcg acaaataaag ttggggagat gggaatcttt 1440
gacaaacaaa ttatttttat ttgttttaaa attaaaatac tgtgtacccc cccccmcycc 1500
atgaaatgca ggttcactaa atgtgaacag ctttgctttt cacgtgatta agaccctact 1560
ccaaattgta gaagcttttc aggaaccata ttactctcat gatacttcat taatctccat 1620
catgtatgcc aagcctgaca catttgacag tgaggacaat gtggcttgct ccttttgaa 1680
tctacagata atgcatgttt tacagtactc cagatgtcta cactcaataa aacatttgac 1740
aaaaccaaaa aaaaaaaaaa aaaagtacta gtaacgggtc ttgttccatc tcgaggggg 1800
gcccggtacc aggtaagtgt acccaattcg ccctatagtg agtcgtatta caattcactc 1860
gatcgccctt cccaacagtt gcgcaacctg aatggcgaat ggagatccaa ttttta 1916

<210> 1643
<211> 1344
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1343)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<400> 1643
ggcagagcac atgcgcaccg cagcgggtcg cgcgccctaa ggagtggcac tttttaaaag 60
tgcagccgga gaccagccta cagccgcctg catctgtatc cagcgccagg tcccgccagt 120
cccagctgcg cgcgcccccc agtcccgcac ccgttcggcc caggctaagt tagccctcac 180
catgccggtc aaaggaggca ccaagtgcat caaatacctg ctgttcggat ttaacttcat 240
cttctggctt gccgggattg ctgtccttgc cattggacta tggctccgat tcgactctca 300
gaccaagagc atcttcgagc aagaaactaa taataataat tccagcttct acacaggagt 360
ctatattctg atcggagccg gcgccctcat gatgctggtg ggcttcctgg gctgctgcgg 420
ggctgtgcag gagtcccagt gcatgctggg actgttcttc ggcttcctct tggtgatatt 480
cgccattgaa atagctgcgg ccatctgggg atattcccac aaggatgagg tgattaagga 540
agtccaggag ttttacaagg acacctacaa caagctgaaa accaaggatg agccccagcg 600
ggaaacgctg aaagccatcc actatgcgtt gaactgctgt ggtttggctg ggggcgtgga 660
acagtttatc tcagacatct gccccaagaa ggacgtactc gaaaccttca ccgtgaagtc 720
ctgtcctgat gccatcaaag aggtcttcga caataaattc cacatcatcg gcgcagtggg 780
catcggcatt gccgtggtca tgatatttgg catgatcttc agtatgatct tgtgctgtgc 840
tatccgcagg aaccgcgaga tggtctagag tcagcttaca tccctgagca ggaaagttta 900
cccatgaaga ttggtgggat tttttgtttg tttgttttgt tttgtttgtt gtttgttgtt 960
tgttttttg ccactaattt tagtattcat tctgcattgc tagataaaag ctgaagttac 1020
tttatgtttg tcttttaatg cttcattcaa tattgacatt tgtagttgag cgggggttt 1080
ggtttgcttt ggtttatatt ttttcagttg tttgtttttg cttgttatat taagcagaaa 1140
tcctgcaatg aaaggtacta tatttgctag actctagaca agatattgta cataaaagaa 1200
ttttttgtc tttaaataga tacaaatgtc tatcaacttt aatcaagttg taacttatat 1260
tgaagacaat ttgatacata ataaaaaatt atgacaatga aaaaaaaaaa aaaaaaaagg 1320
gcggccgccc cagaggancc ccng 1344

<210> 1644
<211> 1109
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1075)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1077)
<223> n equals a,t,g, or c

<400> 1644
ttgttgacca gctaccctga gccaggcacc accctgaagg agcttctttt cctctgggga 60
gaagcaaatt catgatgtgt gtgctggaga tctggcactc atggccagtg ctttccagta 120
tcttgaactc ttcgggggtc ctgttgaccc atttcgtgac ctacctccgt gactgctctt 180
tttcctctgt ctcttaagtg tgatggtttt ccagagtcca atcctcagga ctttcccgtc 240
cacacacagg cctggtagtc aggtggctct aaaccattag gtgggttgta gacctctctc 300
aagctgccac ctccttgctg tcgccagatc gtatttcagt ctgtcagggg ttatctgtat 360
ctggaggttc cactgttgct tcagtctcag ttacttagaa tggaacccag agtcctgccc 420
ctttccacct acatgctctt acttgaaagc acctgagact tattgggtcc ctgattcctg 480
cttcgtctgt atccgcagag tagttgcatg tcatttggcc tgttttctaa ataatcccac 540
atcatgtcct ccctgcactt acattgccac tgctctgatt tgggcttttt ttttttgggg 600

acaatgcctc tgtcccaatt ctgagtaaca gctctggttc ttgccactac cagagttctc 660
tagcaaatct gagcatctga cagggtgaaa aattctgaat ggcttcctga tgcctgactt 720
tatgggatca aattcaagtt gcacgctgca ctcagtgccc ttctggtatc atctgccaag 780
accagggcct gcttcaccac agccacaata aagtcctttc aagccctgaw aatgccatgt 840
tttgtcctaa ccttttgctg cagttaatta ctcttcctat tatcttccat gaacttaaga 900
ctgggcaaaa atgtttcctt atctgtgagc cactctgaac acaaacaggt catgaagata 960
gtgttgaaaa caataaatga caaccaaaag gaaaagtgga atattaccta gttacaaata 1020
gtgtaaattg agacmgaaat gttaaagcta gaaagcaagg ggcaatattt ctagnantac 1080
aaattagtgg cttggcctac tacaatatt 1109

<210> 1645
<211> 2173
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2170)
<223> n equals a,t,g, or c

<400> 1645
acagagattt gatttctaat gctatgaatt ggaccagttg gctgacatgc cacaagaaac 60
ttcatattaa gaaacctgct aatattttag ttatgggtga aggtcctgag cgaggaagag 120
taaaaattgc tgacatgggc tttgccgatt atttaattca cctttgaagc ctttagcaga 180
tttggatcca gtggttgtta cattctggta ccgagcccct gaactacttc ttggagcaag 240
gcattatacc aaagctattg atatttgggc tatagggtgt atatttgcag aactactaac 300
gtcagaacca wtatttcact gtcgacaaga ggacatcaaa actagtaatc cttatcacca 360
tgaccagctg gacagaatat tcaatgtaat gggatttcct gcagataaag attgggaaga 420
tataaaaaag atgcctgaac attcaacatt aatgaaagat ttcagaagaa atacgtatac 480
caactgcagc cttatcaagt atatggaaaa acataaagtt aaaccagata gtaaagcatt 540
ccacttgctt cagaagctgc ttaccatgga cccaataaag cgaattacct cagaacaggc 600
tatgcaggac ccctatttct tagaagaccc acttcctaca tcagacgttt ttgccggttg 660
tcaaatccct tacccaaaac gagaattttt aacggaagaa gaacctgatg acaaaggaga 720
caaaaagaac cagcagcagc agcagggcaa taaccacact aatggaactg gccacccagg 780
gratcaagac agcagtcaca cacagggacc cccgttgaag aaagtgagag ttgttcctcc 840
taccactacc tcaggtggac ttatcatgac ctcagactat cagcgttcca atccacatgc 900
tgcctatccc aaccctggac caagcacatc acagccgcag agcagcatgg gatactcagc 960
tacctcccag cagcctccac agtactcaca tcagacacat cggtactgag ctgcatcgga 1020
atcttgtcca tgcactgttg cgaatgctgc agggctgact gtgcagctct ctgcgggaac 1080
ctggtatggg ccatgagaat gtactgtaca accacatctt caaaatgtcc agtagccaag 1140
ttccaccact tttcacagat tggggtagtg gcttccaagt tgtacctatt ttggagttag 1200
acttgaaaag aaagtgctag cacagtttgt gttgtggatt tgctacttcc atagtttact 1260
tgacatggtt cagactgacc aatgcatttt tttcagtgac agtctgtagc agttgaagct 1320
gtgaatgtgc taggggcaag catttgtctt tgtatgtggt gaatttttc agtgtaacaa 1380
cattatctga ccaatagtac acacacagac acaaagttta actggtactt gaaacataca 1440
gtatatgtta acgaaataac caagactcga aatgagatta ttttggtaca cctttctttt 1500
tagtgtctta tcagtgggct gattcatttt ctacattaat cagtgttttc tgaccaagaa 1560
tattgcttgg attttttttga aagtacaaaa agccacatag tttttccaga aaggtttcaa 1620
aactcccaaa gattaacttc caacttataa gtttgttttt attttcaatc tatgacttga 1680
ctggtattaa agctgctatt tgatagtaat taaatatgtt gtcattgata taaacctgtt 1740
tggttcagca aacaaactaa aatgattgtc atagacagtg ttttatttt cctgttggtg 1800

ttgctgattt gtgagcatgc tttaagatga aaaaagcatg aatgataact tccttaaaaa 1860
ggtgcggcat ccaattcaaa tattttcgtc ctgattttaa agctggttgg tgtagtgcta 1920
ttaaaatttc gttcagttaa ttttcctttt gaaaacttgt tcgcacgttg tttagggtgc 1980
ccttacttca gcaaaggaga aggagtagga gagccttaga atttttgagg aaaaaaaaac 2040
ctataacata caatgtactg tatcaaacta ttttacatga atgacacaag tattctgaat 2100
aaaaaataat tgaacattgt taaaaacaag gtgttatgta ataaatttat ttttcataaa 2160
tcaaaaaaan aaa 2173

<210> 1646
<211> 1394
<212> DNA
<213> Homo sapiens

<400> 1646
ggcggcgtct tccggggcct ggcgggccgg ggaccgaggg ggcggggagg tgacccggcg 60
ggggcggagc cagcgggcgg gcgcggcgcg ggaggcgacc atgcgcggcg cgggggcgat 120
cctgcggccg gcggcgcgtg gtgcccggga cctgaacccg cggcgggaca tctcctcctg 180
gctggcccag tggttcccta gaaccccagc caggtccgtg gtggccctga agacccccat 240
caaggtggag ctggtggcag ggaaaaccta caggtggtgt gtgtgtggcc gcagcaagaa 300
gcagcccttc tgtgacggct cccacttctt ccaacgcact ggcctatctc cactcaagtt 360
caaggcccaa gagacccgca tggtggcact ctgtacctgc aaggccactc agaggccccc 420
gtactgcgat ggcacccaca ggagtgagcg cgtgcagaag gcagaagtgg gctccccact 480
ctgaggggggc tgctgctgtc cagccacagg tggccttggc tccaggcctc tgacaggcac 540
ccccttctgt gggaaaggaa acaggtgctg agcccaagag actctggtac ccactgctgg 600
ctcatgaagg aagaattatt ccttataacc taaaagtctc cagtctgggg caggcgggag 660
tgggccctgg ttcaatgttt gctgatgggg aagatggcaa aaacaagcct gcccaaccag 720
actggtagtc ctgcagtcac tgctatgagg cccatgtgct gcctcctgct ccagatttta 780
acctctctgt gggctggggg cacctgacca gccacaggag agggcagttc agattcattc 840
tgtatggggt ccccaagcca ggctaaaccc agagatgaga ggcacccttc ccttcttccc 900
tccaccccaa agaactacag gctccagaaa gtatgcagca tttattacaa agccaagaga 960
tacagatgtc ccagggcaaa ggagggtaca gtcacaggac ctcagacaca ggacaaggtg 1020
caaacacaga caagcccatc agggggctcc caaccccaca cacctacgct atgatggaat 1080
ctcgagtctc gactcccgac tcctctcaga tctatgcaca cttgaggaaa tctcggtggg 1140
cagcgacctg ccagggtctg tccctaagga ggtggtccgc tgacctctca aggggtgggg 1200
gtggggtcag agcttacagg tttctgtctt cttgtgcttt tagatgcagt tgctctgtcc 1260
tgaccaggtg accgggcctc agactcggac gccccgctgg tgttggtgcc tcggaggggt 1320
gggcacgtgg ctagggtgag cgcttgaggc tggctggaca ggtacttgag ggggagaggc 1380
cgttccgccg cagg 1394

<210> 1647
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<400> 1647
tacaggccng gtccattaac cagccaggga atgaacmtca gcagacagty tcccmccttg 60

aatttattgc cctctagtgc gcacttcagg ccttccacct acaaaaaatc ttcaggcccc 120
ctcaaagcta mcaaactcat catccactgg aactgttggg aagacagctt gagtggaatt 180
gcaatgaatg tacctgccag cagaggtagc aaccttaact caagcggagc taataggact 240
agtctgtctg ggggaacagg aagtggaaca cagggtgcta ccaaaccatt gtctactcca 300
catagaccat ccactgcctc agggtcttca gtggtaacag ccagtgtgca gaagctcatt 360
cacacagaag acccatttaa tgatgaacat caggagaggc aagaggtgga aatgttggct 420
aagaagtttg aaatgaaata ttatgatgaa ttagttcccg cttctctaac aacaaaatat 480
ggaggctttt atatcaacac tggcactcta cagtttcgcc aagcttcaga tactgaagaa 540
gatgatatta cagacaacca aaagcacaag ccacccaagg tccccaaaat aaaagaagat 600
gatattgaga tgaagaagcg gaagcggaaa gaggaagggg aaaaggagaa gaagccaagg 660
aaaaaagttc ccaaacaact gggagttgtg gctctaaatt cacacaagtc tgaaaaaaaa 720
aaaaa 725

<210> 1648
<211> 1593
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (697)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1032)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1078)
<223> n equals a,t,g, or c

<400> 1648
ggctggatcg cgttgtcccg cctggcgcgc ccgcagcgcc tgccggtggc cactcgcgcg 60
gtgctcatca ccgggctgtg actctggttt tggcaaggag acggccaaga aactggactc 120
catgggcttc acggtgctgg ccaccgtatt ggagttgaac agccccggtg ccatcgagct 180
gcgtacctgc tgctcccctc gcctaaggct gctgcagatg gacctgacca aaccaggaga 240
cattagccgc gtgctagagt tcaccaaggc ccacaccacc agcaccggcc tgtggggcct 300
cgtcaacaac gcaggccaca atgaagtagt tgctgatgcg gagctgtctc cagtggccac 360
tttccgtagc tgcatggagg tgaatttctt tggcgcgctc gagctgacca agggcctcct 420
gcccctgctg cgcagctcaa ggggccgcat cgtgactgtg gggagcccag cgggggacat 480
gccatatccg tgcttggggg cctatggaac ctccaaagcg gccgtggcgc tactcatgga 540
cacattcagc tgtgaactcc ttccctgggg ggtcaaggtc agcatcatcc agcctggctg 600
cttcaagaca gagtcagtga gaaacgtggg tcagtgggaa aagcgcaagc aattgctgct 660
ggccaacctg cctcaagagc tgctgcaggc ctacggnaag gactacatcg agcacttgca 720
tgggcagttc ctgcactcgc tacgcctggc catgtccgac ctcaccccag ttgtagatgc 780
catcacagat gcgctgctgg cagctcggcc ccgccgccgc tattaccccg gccagggcct 840
ggggctcatg tacttcatcc actactacct gcctgaaggc ctgcgggccg cttcctgcag 900
gccttcttca tcagtcactg tctgcctcga gcactgcagc ctggccagcc tggcactacc 960
ccaccacagg acgcagccca ggacccaaac ctgagccccg gcccttcccc agcagtggct 1020

cggtgagcat gntgcaccta tggcccagcc actgcagcac aggaggctcc gtgagccntt 1080
ggttcctccc cgaaaacccc cagcattacg atcccccaag tgtcctggac cctggcctaa 1140
agaatcccac ccccacttca tgcccactgc cgatgcccaa tccaggcccg gtgaggccaa 1200
ggtttcccag tgagcctctg cgcctctcca ctgtttcatg agcccaaaca ccctcctggc 1260
acaacgctct accctgcagc ttggagaact ccgctggatg gggagtctca tgcaagactt 1320
cactgcagcc tttcacagga ctctgcagat agtgcctctg caaactaagg agtgactagg 1380
tgggttgggg acccccctcag gattgtttct cggcaccagt gcctcagtgc tgcaattgag 1440
ggctaaatcc caagtgtctc ttgactggct caagaattag ggccccaact acacaccccc 1500
aagccacagg gaagcatgta ctgtacttcc caattgccac attttaaata aagacaaatt 1560
tttatttctt ctaaaaaaaa aaaaaaaaaa aag 1593

<210> 1649
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 1649
aaagaactgt gtgagaacac tgaaaactca aaaagtcaga atgccttctt tcctccaaat 60
gactgtatca actctccagc aagtgttcan aactgggctg aggctgagat gtctggaatg 120
atacaagcag ggttcaggat atgcgtagga acaaagttca ctgagtgaaa gaagtatgtt 180
gtcatgcaat acaagtgagc taaaaatcat tgtaaaacat tgcagganct aacagacaaa 240
atancaagta taaagaagac ataaccgacc tratagagct gaaaagcaca ctasaagaat 300
tttcataatg cartcacatg gtgattatgt gtgactggat tatgaaaatt attgtagtgt 360
gtgtgggcac ccgagattgc cctgtaagca ggacgcctgc acattacctc tccatactgc 420
agccctttat atggaaactt cctacatcac tttgctgtgt gtgtttacac atgtngggtt 480
ttgctgtact tgccctgaca gcacaccggg agtgcaggcc acaccccaac ccacaccaac 540

tgccacttga aanacaaaac cttgggtggg gc 572

<210> 1650
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<400> 1650
gcactagcgc tatcacattc tctccgggat ttccccccct gctctgtggc ttcttgttga 60
gaggttgttt ggttatggtt tagcngttga aaagattcag gttatccttt taaatgactt 120
tacgttttag tggagctggg agattacttg cctggcttct aatcttcatg ttggttcatt 180
ttatttccat atgtgtgtgg gttatttgtt cagtaattag aattagataa agtattctgc 240
ttttaagtag ttttgagaag gcctaaaaat actaaagtgt attcataaat atttttatta 300
tgntcaagta gaagacacac ctttgccatg taaattttaa ctttttcttca agncttcagt 360
gaatctacag acctattttc tcangagctc aacctggcct tactt 405

<210> 1651
<211> 995
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (919)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (987)
<223> n equals a,t,g, or c

<400> 1651
gcaaaaccaa caaaacaacc aaatacaggt ctcaagcgat ttacagctcg gtgcttaact 60
cggtcaccgg ccgaggggca gccctctggc gccaaagccc cgcctctcta tgacgtcaca 120
cgaggagccc tgaagtggcg gtcaagcttg aggcgtcatc tggctgcgct aagtgggccg 180
ttgccttaca gttgctgaga ggaggcgaga ggcgggggcg ctagggccga gatcatgtct 240
gactgggaga ggtttccttg gcagcagagg acgctaggtt tgggatgaaa gaagctgggc 300
agatgcaaaa tctggagagc gcgagggccg ggcggtcagt cagcacccag actggcagca 360
tgaccggtga gtgtccggga ccctgctccc gccaccctac ctttcgctct gccctgtgcg 420
tctcccgtca ttgaactcca gattccttgt ctgagcctct ttgcctcccc tgctgctttt 480
ggatgtctcc tgcccgccct ctgcgtgtcc cctccgcggt cgccaggacc aatcggctcg 540
gtcgcactgg cttttgaagt ctcgcttttt acccctgtta gctacttctc acaggaccta 600
gagctggggc ctctgaggtc aaagagcctg aacatttcca aacggcgctt ttgccttgat 660
ttccaaatta accgcacgtg acgctttcct gtatttcgac tgctttaccg tcgaaggtca 720
gataccaagg ctttctaaag tcaaccttt cactctgctc agcctctgga tggagctctt 780
tccagcagaa gcccagcggc aaaaatctca gaaaaatgaa gagggaaagc atggaccctt 840
aggagataat gaagagagga ccagagtatc tactgacaaa agacagaaaa ccatgttctg 900
cttgtttgaa aatgattgna aatgcaaagc cttaacagta atgatcagat ctatgtctag 960
gtcagtgcct tgagctataa atggcanaac ttcta 995

<210> 1652
<211> 636
<212> DNA
<213> Homo sapiens

<400> 1652
gcggacgcgt gggaaataat tgcattaaaa tacaaaaggt gatagggaag aattaaaaga 60
tttgcagtat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggaggtt 120
ttatatgatc ttcaattgag tattaaataa tttgcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattcttagc 240
taagaaaaaa ttggaaatcc atcatctata ttagcaacag attctcagag taaattgtta 300
acttctatga tttatgataa tcaagctgga cttgatcata caagttagtc tcataatgta 360
ttggaccaaa atgtaaactt cattggtcag atttagaagc attcatgctc acaagttttg 420
ggaaagtgaa aaataataaa atcatcttgg attttattct gtatattaaa atttatcttt 480
taaggaaaca atctgtatac tacttgcttg tatagccttt tgacccttct tgagtttttc 540
agaagccttt aatttttata ctttcaatac catatttaca ttatatactt taattaacaa 600
tgtgagtttc tctgtgaaaa aaaaaaaaaa aaaaaa 636

<210> 1653
<211> 1255
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1251)
<223> n equals a,t,g, or c

<400> 1653
ggcagagcag gaggagcacg ggaaaagaaa gaagaaaggc aaggggctag ggaagaagag 60
ggacccatgt cttcggaaat acaaggactt ctgcatccat ggagaatgca aatatgtgaa 120
ggagctccgg gctccctcct gcatctgcca cccgggttac catggagaga ggtgtcatgg 180

gctgagcctc ccagtggaaa atcgcttata tacctatgac cacacaacca tcctggccgt 240
ggtggctgtg gtgctggatt tgatgagtta actgtgaaat accacaagcc tgagaactga 300
attttgggac ttctacccag atggaaaaat aacaactatt tttgttgttg ttgtttgtaa 360
atgcctctta aattatatat ttatttttatt ctatgtatgt taatttattt agtttttaac 420
aatctaacaa taatatttca agtgcctaga ctgttacttt ggcaatttcc tggccctcca 480
ctcctcatcc ccacaatctg gcttagtgcc acccaccttt gccacaaagc taggatggtt 540
ctgtgaccca tctgtagtaa tttattgtct gtctacattt ctgcagatct tccgtggtca 600
gagtgccact gcgggagctc tgtatggtca ggatgtaggg gttaacttgg tcagagccac 660
tctatgagtt ggacttcagt cttgcctagg cgattttgtc taccatttgt gttttgaaag 720
cccaaggtgc tgatgtcaaa gtgtaacaga tatcagtgtc tccccgtgtc ctctccctgc 780
caagtctcag aagaggttgg gcttccatgc ctgtagcttt cctggtccct caccccccatg 840
gccccaggcc cacagcgtgg gaactcactt tcccttgtgt caagacattt ctctaactcc 900
tgccattctt ctggtgctac tccatgcagg ggtcagtgca gcagaggaca gtctggagaa 960
ggtattagca aagcaaaagg ctgagaagga acagggaaca ttggagctga ctgttcttgg 1020
taactgatta cctgccaatt gctaccgaga aggttggagg tggggaaggc tttgtataat 1080
cccacccacc tcaccaaaac gatgaagkta tgctgtcatg gtcctttctg gaagtttctg 1140
gtgccatttc tgaactgtta caacttgtat ttccaaacct ggttcatatt tatactttgc 1200
aatccaaata aagataaccc ttattccata aaaaaaaaaa aaaaaaaaat ntctc 1255

<210> 1654
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 1654
ggaatctcct actatagtga aagctggtac ncctgcaggt accggtccgg aattcccggg 60

tcgacccacg cgtccgccca cgcgtccggg actccttgaa ccctggactt caaagggggt 120
agagattgct gcagccccgc attataaaca cttgggttta gaagccacag aataccattt 180
cctgcatatt ctattggnca aagcaggtgg agaaccagct ctgaccaaga gggtagggga 240
tcaaaccttc acctcttgat gggagaggca tcacacacac acacatgcac acatacatat 300
rcatatatac attaatgact tggcatttat agtgcttgat aaattagagt tctattaata 360
gaatgtttgg actagggcta caggataaac tgttgccctc acttaagaga atcaggaaat 420
ggactttggg agtcctgctt ggcattantt tgtggcangg ttgcagatgc nctgtattta 480
cacttaagaa gtcttcgaac atttccctct ttgacatt 518

<210> 1655
<211> 793
<212> DNA
<213> Homo sapiens

<400> 1655
gcttgaaact ccagaatgtt cccaccatgg gtggccaagc cacatcacag ggaagaaacc 60
ttcaatgtgc tttctgtgca gcacactcct ctcttctgtg atctgaacac gaaccaccac 120
ctctaggcta ggactcagat gcagtgagct ccactatacc cacagtcaca tacggacagt 180
aacttctctt cccgaatcct gtctggatcc aagtgtccct gggccagagt ctccctaaga 240
gacagccctg agtccaagcc cctgagaagc tcagggccat gcaaagcagg aggcctgggt 300
gtggaagggg tatgggtagg gcctgagaat ggactgaggg gcagacagtt cagggaaggg 360
aagatcactg gggtagagag gtgacctgra gggaggtcag cgtgggcagg ggtgagacca 420
aggaaaagat tgaagaacag aaggcattgg ccttacagct tcaaaaccag agattgcagg 480
agcgggaaca ttcagtacat gattcagtag aactacatct tcgtgtacct cttgaaaagg 540
agattcctgt tactgttgtc caagaaacac aaaaaaaagg tcataaatta actgatagtg 600
aagatgaatt tcctgaaatt acagaggaaa tggagaaaga aataaagaat gtatttcgta 660
atgggaatca ggatgaagtt ctcagtgaag catttcgcct gaccattaca cgcaaagata 720
ttcaaactct aaaccatctg aattggctca atgatgagat catcaatttc tacatgaata 780
tgctgatggg agc 793

<210> 1656
<211> 1062
<212> DNA
<213> Homo sapiens

<400> 1656
gggcacgagt ttctgtcctc cttcctggct cctccttcct ccccaccccc ctaataggct 60
cataagtggg ctcaggcctc tctgcggggc tcactctgcg cttcaccatg gctttcattg 120
ccaagtcctt ctatgacctc agtgccatca gcctggatgg ggagaaggta gatttcaata 180
cgttccgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc acaaccaccc 240
gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcctg gtggtccttg 300
gcttcccttg caaccaattt ggacatcagg agaactgtca gaatgaggag atcctgaaca 360
gtctcaagta tgtccgtcct gggggtggat accagcccac cttcaccctt gtccaaaaat 420
gtgaggtgaa tgggcagaac gagcatcctg tcttcgccta cctgaaggac aagctccccc 480
acccttatga tgacccattt tccctcatga ccgatcccaa gctcatcatt tggagccctg 540
tgcgccgctc agatgtggcc tggaactttg agaagttcct catagggccg gagggagagc 600
ccttccgacg ctacagccgc accttcccaa ccatcaacat tgagcctgac atcaagcgcc 660
tccttaaagt tgccatatag atgtgaactg ctcaacacac agatctccta ctccatccag 720
tcctgaggag ccttaggatg cagcatgcct tcaggagaca ctgctggacc tcagcattcc 780
cttgatatca gtccccttca ctgcagagcc ttgcctttcc cctctgcctg tttccttttc 840
ctctcccaac cctctggttg gtgattcaac ttgggctcca agacttgggt aagctctggg 900

ccttcacaga atgatggcac cttcctaaac cctcatgggt ggtgtctgag aggcgtgaag 960
ggcctggagc cactctgcta gaagagacca ataaagggca ggtgtggaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1062

<210> 1657
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1657
ggcttcgtaa gatttaacat atcagaactg gggaaagaga aaggaggggg ttatttttt 60
gcagcatttt ccagtcacat atcagggtta tactgaactg caacaaagat caacttttaa 120
aaattagcct tcttaaaata caaaatgatt taagtatttt aaagataatt tatttgcctt 180
gctcttgcct tctaacatta gccatttcat ggagaggcta aaacttatac tccaaaaaat 240
gtggaagcac attttaatgg gagtaaaatt aaaaaatttt gagaaagggt aaaatcttat 300
gaatatgcat cttcttagct ttatcttccc tttgataggt aggcacttat gctcttccat 360
ctgctccatg tcaaataggg ctcagggaag ccagtcattt ccttagcgag atgattactc 420
ctttgccttg aaacatttat tggggcccac catgtatgga tcagtgtgtg gtartgartc 480
atactcccaa atcartgatt cccaartctt ggctttgggr accmgtatgc cttgtattct 540
cttaaaaagc aacaataatt tcttgaaaca aaattagttc aanaattgga attaaaaaat 600
atttccagtt gt 612

<210> 1658
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<400> 1658
catcttaggt gacactatag aaggtacgcc tgcaggtacc ggtccggaat tcccgggtcg 60
acccacgcgt ccgnccacgg tccggctttc agcaattgat ggtgctttgt tgtggtgtct 120
gctggaagtc tactgccatt atagggaacc ttgcttgtta gcttctctag atctctattc 180
taaacaatct gttagtgatg ataaattctg taggagggtc tattctgagc cgttaacttc 240
ctgtaagggg aaaatgggtg ggttaccaga aataccattg aagcagggtg ggctgtgggg 300
tggaaggttg gggtatttgt cttgagaatt aaaaactacg aaacactttt gtacacaact 360
gatttttaa aaaataaaca cattttaaa gatgttgaat ttttcccccc ttattgggaa 420
ttcttaaaaa taaatgcatg catgttttcc cctgaaaaaa aaaaaaaaaa aaaaaaaaaa 480

aaaaangaaa aaaaaaaaaa aaaaaaaaaa aaggggggcc g 521

<210> 1659
<211> 887
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<400> 1659
ctcaaaaaaa aaaaaaaaaa ttaaaaactt ccttttantc gcagagctgg aaaagttgga 60
gttgtttttg gtatacttgg agagctggct ttctaaagtg ctgctttgag gactgttgtg 120
taaagcactt gattcgtctt ccctttgctg gagttatggg cctgggcttt tacactgggg 180
ttctgaagta acaaacaaag tcagtccaga aatagttgct cagcaatctc attgttacag 240
tgtcgcaaaa tgagctcata ttagctttat tttctgctac caatagagtg ttcctaagta 300
tttaaagtgt gtgactcctt tcttatagag ccagcaagct gtattggaat cacttttcca 360
gtgttgtaaa tgttattttt gtgggtcagt cagtatactc gtgaatgaca gaaaaacaga 420
tcccaacaat gcaaagtatt atatgtgtaa aaaagaacag aaaaaagaag ctgccttgtt 480
agtaacgggc tctatggttt ttctcatcaa gaggtcatga cgccagtcag atcacactag 540
ccttggscac agctgcctcc taccccaggg cctgccaggc tctcggggcc atgctgtcca 600
aaggagccct gaaccctgct gacatcaccg tcctgttcaa gatgttcaca agcatggacc 660
ctcctccggt tgaacttgaa gttgcttctc aagaatcccc aatgtcagct ggtaaggtga 720
ctttggaaag tctgtgcttg tctgattgtc tgaaggctgt gaatgcaaat ccatcattgt 780
cctggtcctt cctcagtcac actctctgcc tggagcctgt tgggcccctg ctgtgtaggg 840
ataccctgag gggaggtggg tgagcagtgc cctcacgcct gccatcc 887

<210> 1660
<211> 847
<212> DNA
<213> Homo sapiens

<400> 1660
gattgtgtct ccagcccctc aggctgaaga cactgccttc cccctacacc tccccagggg 60
tgcgggttac cagcactggg aggccaggcc atgctcacgc ttcatggagg acacagcagc 120
agagaagcts acaaggttgt aaactccatc ctggcattcc gggagaagga atggcagagg 180
ctgcagtcaa acccccacct gaaagagggg tccgtgacct ccgtgaacct gactaagcta 240
gagggtggcg tggcctataa cgtgatacct gccaccatga gcgccagytt tgacttccgt 300
gtggcaccgg atgtggactt caaggctttt gaggagcagc tgcagagctg gtgccaggca 360
gctggcgagg gggtcaccct agagtttgct cagaagtgga tgcaccccca agtgacacct 420
actgatgact caaacccttg gtgggcagct tttagccggg tctgcaagga tatgaacctc 480
actctggagc ctgagatcat gcctgctgcc actgacaacc gctatatccg cgcggtgggg 540
gtcccagctc taggcttctc acccatgaac cgcacacctg tgctgctgca cgaccacgat 600
gaacggctgc atgaggctgt gttcctccgt ggggtggaca tatatacacg cctgctgcct 660
gcccttgcca gtgtgcctgc cctgcccagt gacagctgag ccctggaact cctaaacctt 720
tgcccctggg gcttccatcc caaccagtgc caaggacctc ctcttccccc ttccaaataa 780
taaagtctat ggacagggct gtctctgaag tactaacaca aggaaaaaaa aaaaaaaaaa 840
aaaaaaa 847

<210> 1661
<211> 508
<212> DNA
<213> Homo sapiens

<400> 1661
tttctcttcc ccaggtgcct caccttccct tcatgggctt tctgcccgcc tttgggtacc 60
cctagcgggc ccgaggctca ccctggtttg gagccaggga tgctagtgtc cccggggccc 120
agcgcagcgc tgatgggaag ggacttttgt ccgtggggaa cccaggaccc acttctcyga 180
ggtgascttt ttttttttct gccgcagtgc ctcacctctc ctccctcaaa gctcaccttc 240
ccctcatgag ccctctgtcc gcctagaggt accgctagcg gcccgaggca caccctgtgg 300
ctgaaccagg gactccaggg tccctgcggc ccagcacagg cgctgatggg aagacacgtt 360
cgttcgtgga ggacccaggc cccgtttctc agtggcgtgg tttttttttct ctgcccgggt 420
gcctcacctt cctctaatgg gccttttgcc cgctttgggg taccccctagc gggccctatt 480
cgcaccctgc gctcgaacca gggtcgca 508

<210> 1662
<211> 544
<212> DNA
<213> Homo sapiens

<400> 1662
gcccagcata gagaggatgg ctgcccatcc tcagctcccc tccttgcttc ctcgagtgtt 60
ctgactccgc actagccgcg ccctgtagga agaatagggt gtccacctct ccycggtgct 120
cgcctagtca ctccagttga agacgggacg cgtgcccgat ctcaagagag cccccgaccc 180
gtccgtgggg aaccacatcg acgcttcttc tcagcctcca gtctccagtt ccaaggatgg 240
gtcatctcca accmcttgcc ctgcctcagt ttctccatct ccctgctgca gccccgagga 300
actgggcacc ctcgagccgt gcatggcccg cgtgcgctcc gaggtcccgg ccgggtcgcg 360
ccgcagtctt cctcaagtat gcgcggcccc agcgccaggg gaccagcctt gccgccgcct 420
tgcctgccgc cgcctccagt ctgagcctcc ctgagtactg ggactcagtc acaaaaaaat 480
caacaacaaa aaacaaaacc ctcccagtgt gtgtccgtct ctcatctcaa taaaagaatt 540
tatt 544

<210> 1663
<211> 444
<212> DNA
<213> Homo sapiens

<400> 1663
ggtcggacat gcaaaaagga gttaacaagg aaagatacta tcatggcaca tgtgactgaa 60
tttcataatg gacacagata tttttatgag atggatgagg tagaaggtga aactttgcca 120
tcatcctcta caacattgga taatttgact gctaacaagc cttcatcagc tattactgtt 180
attgatcatt ccccggcaaa tagttctccg aggggtaaat ggcaatgccg gatttgtgaa 240
gatatgtttg attcccagga atatgtaaaa cagcactgca tgtctttggc aagccacaag 300
tttcatagat acagctgtgc tcactgcaga aagccttttc ataagataga aacattgtac 360
cgacattgcc aagatgagca tgacaatgag ataaagatta aatacttctg tgggctttgt 420
gatcttatct ttaatgtgga agaa 444

<210> 1664
<211> 1279
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1273)
<223> n equals a,t,g, or c

<400> 1664
tcccgggtcg acccacgcgt ccgcggacgc gtgggatcaa caaactcatc cgaattggca 60
ggaatgagtg tgtggttgtc attagggtgg acaaagaaaa aggatatatt gatttgtcaa 120
aaagaagagt ttctccagag gaagcaatca aatgtgaaga caaattcaca aaatccaaaa 180
ctgtttatag cattcttcgt catgttgctg aggtgttaga atacaccaag gatgagcagc 240
tggaaagcct attccagagg actgcctggg tctttgatga caagtacaag agacctggat 300
atggtgccta tgatgcattt aagcatgcag tctcagaccc atctattttg gatagtttag 360
atttgaatga agatgaacgg gaagtactca ttaataatat taataggcgc ttgaccccac 420
aggctgtcaa aattcgagca gatattgaag tggcttgtta tggttatgaa ggcattgatg 480
ctgtaaaaga agccctaaga gcaggtttga attgttctac agaaaacatg cccattaaga 540
ttaatctaat agctcctcct cggtatgtaa tgactacgac aaccctggag agaacagaag 600
gcctttctgt cctcagtcaa gctatggctg ttatcaaaga gaagattgag gaaaagaggg 660
gtgtgttcaa tgttcaaatg gagcccaaag tggtcacaga tacagatgag actgaacttg 720
cgaggcagat ggagaggctt gaaagagaaa atgccgaagt ggatggagat gatgatgcag 780
aagaaatgga agccaaagct gaagattaac tttgtgggaa acagagtcca atttaaggaa 840
cacagagcag cgcttcctgg ctgtaaatcc tagacttgaa agttttccag tattgaaaac 900
ttcaaagctg aatatttttt atttctaagt atttaaatgt tctaacagat cagaacatga 960
aatgccctcc taaatgtcag ctgttgtcac acagtagctc caacactttg agcattttta 1020
agggagtggc ctcatttcac tagagacaaa tctttaagaa tagttctaaa attgggcttg 1080
tgatttccat ttctgatgtc tccagattgg caccccttc tagttcaatg cctcacgaga 1140
tttgccaggg gcatccaagg caaacaatcc caatctttct atataaaatg tattcaagca 1200
aacatcaaat aaatttctgg gatatttaaa aaaaaaaaaa aaaaaggggg gggccttaaa 1260
gaaccaagtt tantttggg 1279

<210> 1665
<211> 2509
<212> DNA
<213> Homo sapiens

<400> 1665
cggctcaggt gctggcgttc cgcgcggcgc cgcctctgct gcgggycggg ggagccagac 60
gaggtgctgc cgggtaggaa aaaatccagg gctcattcat accccaggtc acgattccgg 120
ggtcgccccc agcacttctc cgccgggtgc atcaacctga aaaagcccck tcttcctgga 180
aaccctcctt ctccagcgtt tcaacgggga aactgatcag ctgacaccag ccccagtcct 240
gcgaggggcc ggcgaccttt gacctttctc caaargggac cacctggctt catgtgtgga 300
tttccacggc tcttgcccag aggcgggtac actgtgttcc aatgtgccac ggaactcacg 360
cagtggcact ttgtggcttc atgaaggaag aggcaggcca cgcaacactt cctccccaag 420
ccaaggagaa gtatcacttt tagaggcaga ggagcggaag gcagtgggtg tgaccaaaag 480
tgccatttgt taaagactgt tggagcagaa ctactgagaa aaaccaggca ttgtatcttc 540
agttgtcatc aagttcgcaa tcagattgga aaagctcaac ttgaagcttt cttgcctgca 600
gtgaagcaga gagatagata ttattcacgt aataaaaaac atgggcttca acctgacttt 660
ccacctttcc tacaaattcc gattactgtt gctgttgact ttgtgcctga cagtggttgg 720
gtgggccacc agtaactact tcgtgggtgc cattcaagag attcctaaag caaaggagtt 780
catggctaat ttccataaga ccctcatttt ggggaaggga aaaactctga ctaatgaagc 840

atccacgaag aaggtagaac ttgacaactg cccttctgtg tctccttacc tcagaggcca 900
gagcaagctc attttcaaac cagatctcac tttggaagag gtacaggcag aaaatcccaa 960
agtgtccaga ggccggtatc gccctcagga atgtaaagct ttacagaggg tcgccatcct 1020
cgttccccac cggaacagag agaaacacct gatgtacctg ctggaacatc tgcatccctt 1080
cctgcagagg cagcagctgg attatggcat ctacgtcatc caccaggctg aaggtaaaaa 1140
gtttaatcga gccaaactct tgaatgtggg ctatctagaa gccctcaagg aagaaaattg 1200
ggactgcttt atattccacg atgtgacctg gtacccgaga atgactttaa cctttacaag 1260
tgtgaggagc atcccaagca tctggtggtt ggcaggaaca gcactgggta caggttacgt 1320
tacagtggat attttggggg tgttactgcc ctaagcagag agcagttttt caaggtgaat 1380
ggattctcta acaactactg gggatgggga ggcgaagacg atgacctcag actcagggtt 1440
gagctccaaa gaatgaaaat ttcccggccc ctgcctgaag tgggtaaata tacaatggtc 1500
ttccacacta gagacaaagg caatgaggtg aacgcagaac ggatgaagct cttacaccaa 1560
gtgtcacgag tctggagaac agatgggttg agtagttgtt cttataaatt agtatctgtg 1620
gaacacaatc ctttatatat caacatcaca gtggatttct ggtttggtgc atgaccctgg 1680
atcttttggt gatgtttgga agaactgatt ctttgtttgc aataattttg gcctagagac 1740
ttcaaatagt agcacacatt aagaacctgt tacagctcat tgttgagctg aatttttcct 1800
ttttgtattt tcttagcaga gctcctggtg atgtagagta taaaacagtt gtaacaagac 1860
agctttctta gtcattttga tcatgagggt taaatattgt aatatggata cttgaaggac 1920
tttatataaa aggatgactc aaaggataaa atgaacgcta tttgaggact ctggttgaag 1980
gagatttatt taaatttgaa gtaatatatt atgggataaa aggccacagg aaataagact 2040
gctgaatgtc tgagagaacc agagttgttc tcgtccaagg tagaaaggta cgaagataca 2100
atactgttat tcatttatcc tgtacaatca tctgtgaagt ggtggtgtca ggtgagaagg 2160
cgtccacaaa agaggggaga aaaggcgacg aatcaggaca cagtgaactt gggaatgaag 2220
aggtagcagg agggtggagt gtcggctgca aaggcagcag tagctgagct ggttgcagst 2280
gctgatagcc ttcaggggag gacctgccca ggtatgcctt ccagtgatgc ccaccagaga 2340
atacattctc tattagtttt taaagagttt ttgtaaaatg attttgtaca agtaggatat 2400
gaattagcag tttacaagtt tacatattaa ctaataataa atatgtctat caaatacctc 2460
tgtagtaaaa tgtgaaaaag caaaaaaaaa aaaaaaaaaa aaaaaaaaa 2509

<210> 1666
<211> 421
<212> DNA
<213> Homo sapiens

<400> 1666
gtgagtgtgg ctgcgggcct tgctgcacgg accccatggg agctgtgagt gggtcagact 60
tccctggttc aggagacaga cagcggacgg atcccaggct gggcagctgg agggaggkrc 120
ccggggcgct gggcagccgg gctctacaca gtcagcagct ccggggccgc aggccggcgg 180
ggtccacaca ggctggccgg gctgggcctc cttggagcct gctacgccct cgtgggcacg 240
tggagaaggg cccactgtct ccacacgcca gccacagggg agccctggcc aggcgcccag 300
ccaggggagc gtgtgcctgg gatgggtcac agaaccagcg ggcacctgtg aggctggcca 360
gcaccgtggg gctgtgggaa tcgctcttat ttatatttwa acmccttgra ttttcaaaaa 420
a 421

<210> 1667
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 1667
gggacatcta cagccactgt gtaaatagaa ctgcctaatg ttgagagtgg tttytagcat 60
taggtttagc aaggggggaga tccgtgggtt gtgcgtcagc tttgggtgaa ttttgtttct 120
accctgtcac ggggaaagtt cgggttgagt ccaggagtgc acactgctgc tgccacccaa 180
tgcgctacat atcacttttt tttgntttgt tttgttttgt ttttaaaaga tcatttttatc 240
ttaaaaagga aagctgatcc aagtaaacac gaaagtattt gacacacccc acagatttta 300
catgtgtgta aatgtttcac tttaaaatct ctatgacaga tacacaggaa acatgagatg 360
gtttctgcta atgagtggcc cttgagtaca cacttagatg ctgtctgccc tgtaaatttg 420
natctggtgc cccanggcac tcaactcttc tagcacaggc tgaaaacacg tgtgtgtcaa 480
ctgaggttca cacccacttg gngaatgagc ctgntttctt tccca 525

<210> 1668
<211> 1349
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<400> 1668
tcccggtcna cccacgcgtc cggcggcgcc gcgcgaaggt tcagcaggga gccgtgggcc 60
gggcgcgccg gttcccggca cgtgtctcgg cacgtggcag cgcgcctggc cctgggcttg 120
gaggcgccgg cgccctggat ccgccggccg tggtcgccga gtcggtgtcg tccttgacca 180
tcgccgacgc gttcattgca gccggcgaga gctcagctcc gaccccgccg cgccccgcgc 240
ttcccaggag gttcatctgc tccttccctg actgcagcgc caattacagc aaagcctgga 300
agcttgacgc gcacctgtgc aagcacacgg gggagagacc atttgtttgt gactatgaag 360

ggtgtggcaa ggccttcatc agggactacc atctgagccg ccacattctg actcacacag 420
gagaaaagcc gtttgtttgt gcagccaatg gctgtgatca aaaattcaac acaaaatcaa 480
acttgaagaa acattttgaa cgcaaacatg aaaatcaaca aaaacaatat atatgcagtt 540
ttgaagactg taagaagacc tttaagaaac atcagcagct gaaaatccat cagtgccagc 600
ataccaatga acctctattc aagtgtaccc aggaaggatg tgggaaacac tttgcatcac 660
ccagcaagct gaaacgacat gccaaggccc acgagggcta tgtatgtcaa aaaggatgtt 720
cctttgtggc aaaaacatgg acggaacttc tgaaacatgt gagagaaacc cataaagagg 780
aaatactatg tgaagtatgc cggaaaacat ttaaacgcaa agattacctt aagcaacaca 840
tgaaaactca tgccccagaa agggatgtat gtcgctgtcc aagagaaggc tgtggaagaa 900
cctatacaac tgtgtttaat ctccaaagcc atatcctctc cttccatgag gaaagccgcc 960
cttttgtgtg tgaacatgct ggctgtggca aaacatttgc aatgaaacaa agtctcacta 1020
ggcatgctgt tgtacatgat cctgacaaga agaaaatgaa gctcaaagtc aaaaaatctc 1080
gtgaaaaacg gagtttggcc tctcatctca gtggatatat ccctcccaaa aggaaacaag 1140
ggcaaggctt atctttgtgt caaaacggag agtcacccaa ctgtgtggaa gacaagatgc 1200
tctcgacagt tgcagtactt acccttggct aagaactgca ctgctttgtt taaaggactg 1260
cagaccaagg agcgagcttt ctctcagagc atgcttttct ttattaaaat tactgatgca 1320
gaacatttra aaaaaaaaaa aaaaaaaaa 1349

<210> 1669
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<400> 1669
gcgttctgca ggtgggcgtc gcgccgactt accaacaacc gggtcggggg ctcccggaag 60
tgctcttgcg gcttactgcc tggcacagct gtcattcttc tctacagaag agcttctcct 120
catcaactgg ggatgattac agttcttcct aaaaaaggat ggctgctctt tttctaaaga 180
ggttaacact acaaactgta aagtctgaaa atagttgcat tagatgtttt ggtaaacaca 240
tcctgcaaaa gacagcacca gcacagttgt cccctattgc ttctgcccca agactctcct 300
tcctaattca tgcaaaagcc tttagtaccg ctgaagacac ccagaatgaa ggaaaaaaga 360
caaaaaagaw taaaacagct tttagtaacg ttnggaagaa aaattagtca gcgagttatt 420

tcacttattt grtgagragg gcaatggttt tggggaacng gcaccgggcc aatgtggntt 480
ggantt 486

<210> 1670
<211> 1957
<212> DNA
<213> Homo sapiens

<400> 1670
tattaacata atattgagac gtaatacgtc gaacagtgga ggagcggaag cttaagctag 60
aaatggagaa acaagaattt gaacaactga gacaggaaat gggmgaggaa gaggaagaaa 120
atgaaacctt tggattgagc agagaatatg aagaactgat caaattaaaa aggagtggct 180
ctattcaagc taaaaaccta aaaagcaagt ttgaaaaaat tggacagttg tctgaaaaag 240
aaatacagwa awaaatagaa gaagagcgag caagaaggag agcaattgac cttgaaatta 300
aagagcgaga agctgaaaat tttcatgagg aagatgatgt tgatgttagg cctgcaagaa 360
aaagcgaggc tccatttact cacaaagtga atatgaaagc tagatttgaa caaatggcta 420
aggcaagaga agaagaagaa caaagaagaa ttgaagaaca aaagttacta cgcatgcagt 480
ttgaacaaag ggaaattgat gcagcactac aaaagaaaag agaagaggag gaggaggaag 540
aaggtagcat catgaatggc tccactgctg aagatgaaga gcaaaccaga tcaggagctc 600
catggttcaa gaagcctctt aaaaacacat cagttgtaga cagtgagcca gtcagattta 660
cggttaaagt aacaggagaa cccaaaccag aaattacatg gtggtttgaa ggagaaatac 720
tgcaggatgg agaagactat caatatattg aaaggggaga aacttactgc ctttacttac 780
cagaaacttt cccagaagat ggaggagagt atatgtgtaa agcagtcaac aataaaggat 840
ctgcagctag tacctgtatt cttaccattg aaagtaagaa ttaatcactc tttttatctt 900
ttattctatt aatttttttt tccttaaaat cacttttctt cttctctttt ttagctgatg 960
actactagct ccccteccct ctccctggaa ctttctcttt cactccaact ttcttactac 1020
atccatcttt tctgtggcgg ggccaaaaaa ggaaaccagg agtgccacta tgctgacttc 1080
ttattccttt tcataacagt cttcaaagca cagctcatct aaagaatgcc tacttctttt 1140
ccaaataagc atcagattta tcgcctatta tgcagtaaca gtcaataaaa tgtacttatg 1200
ggggggaatt actcaattat tctatcagaa cctattataa agactgtatt tcccatagac 1260
gtttacagca actatgttta aaaaacaaaa acaaaaaaaa aacacacaaa cctaagtaga 1320
atacattatt ttgcatgaag gaatgtcatt tctgagcttt ttacacctaa aattaggctg 1380
aaatagctga gataattaat ttggaaccta tcaatttgag tggacttttt ctttagtagt 1440
acaccatttt ggttgttgta gtttcaaagt ctttctgaag cagatatatt gggattggag 1500
cggggtgggg aaaactgtca ctcctttcag aggaaaaggg gaggagcatg gagaaaaaca 1560
aaaattaaag gacttaaaga atggctatac agtgttgagt gttgaggata ttaaacatgt 1620
tatttttcaa acgtatgtaa tatatattaa atttataaag caaatttatg ttgtgatctt 1680
gcctgaacaa attatatttt aatgaaaaaa ctttctatta atagttcacg caagagaaaa 1740
cactttcaac atagtcgaag gcttcaagat ctaagtgtat cagacttagg gaaaaagtgg 1800
cacaaccttc gatttaaaat tctagtcttt aaaatgagtt tgtaaataat tagctattac 1860
gttctattaa gttgttttat attttaattt tctggaagac aattttattt tacaacgtga 1920
acccaaataa agtaacttct gtatttaaaa gtcaaaa 1957

<210> 1671
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (721)
<223> n equals a,t,g, or c

<400> 1671
tggcattatg ggatgtatgg ccaggctntt ccntgccagg aanttattcc aggcatggtg 60
gaatccttca tcnggaatgg atggttttcc ntttatgcca aaaggcccat gtctaaccct 120
ttattattaa ttccagcagc atggggactg gtaccagtgg ttcctcaaaa gtgtggaccc 180
cggacccagc cagtgrgagc atcatctggg aacttggtta aaaaatgtaa attattaggt 240
cctaccttaa acctcctaaa tcacaagctt tgctttaaca agcaacctgc actttaaaca 300
aactctctag gtgattctgg tgcatgctaa agtttgagcy tcttataata ammtasaaac 360
tgtaccacaa ctgataatta tagtctcctt tagggataaa tcaattatta gttacaaatt 420
aggcaataaa aggcaaaata ctagagaaaa taaccaagag attaagtttc ttcacatatc 480
agtgaaaaaa agtaaagaac attttatggt gaattwgaga tatacagaga attacattta 540
acattcacca taaaaagtaa agaacatttt atggtgaatt tgagatatac agagaattac 600
atttaacatt cactgatgtt tcatctgtca gtagaaagaa ggccgnaaga aaggtgatcc 660
caaactgggt aatgtcgagt aagaggaatg taaaatggca aaaccaggaa gcaaaaatta 720
ngaagcaaga gctgctctaa aggaaaagga aaagtctctt cactaacaca gaagagcgca 780
ggagctgcag ggccggttaa tcaaccaccc agata 815

<210> 1672
<211> 832
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 1672
ttgcaggtac cggtccggaa ttcccgggtc gacccacgcg tccgaggttn gaaggcgaga 60
tctgattctt cacccctcac ccctgnccgg gctggtgaca ctgaaggcaa agactgggac 120
accaagggtc cagaactggc tcgtgcccca ctctgtgcgg catgagcagc gcccccgcgc 180
sgggcccggc gcccgccagc ctcacgctct gggacgagga ggacttcmag ggccgtcgct 240
gtcggctgct aagcgactgt gcgaacgtct gcgagcgcgg aggcctgccm agggtgcgct 300
cggtcaaggt ggaaaacggc gtttgggtgg cctttgagta cccgacttcc agggacagca 360
gttcattctg gagaagggag actatcctcg ctggagcgcc tggagtggca gcagcagcca 420
caacagcaac cagctgctgt ccttccggcc agtgctctgc gcgaaccaca atgacagccg 480
tgtgacactg tttgaggggg acaacttcca aggctgcaag tttgacctcg ttgatgacta 540
cccatccctg ccctccatgg gctgggccag caaggatgtg ggttccctca aagtcagctc 600
cggagcgtgg gtggcctacc agtacccagg ctaccgaggc taccagtatg tgttggagcg 660
ggaccggcac agcggagagt tctgtactta cggtgagctc ggcacacagg cccacactgg 720
gcagctgcag tccatccgga gagtccagca ctaggctcca cggccccaga caccttccct 780
gaggacactc aataaaggtt cctgaatctt cctgccaaaa aaaaaaaaaa aa 832

<210> 1673
<211> 591
<212> DNA
<213> Homo sapiens

<400> 1673
gcaagaagga cttctttggg aaatcagacc ccttccttgt gttctacagg agcaatgagg 60
atggcacgtt caccatctgc cacaagacag aggttgtgaa aaacacgctg aatcctgtgt 120
ggcagccctt cagcatccct gtgcgggctc tgtgcaatgg agactatgac agaacggtga 180
agattgatgt gtacgactgg gaccgggatg gaagccacga tttcattggt gagttcacca 240
ccagctaccg ggagctgagc aaggcccaga accagttcac agtatatgag gttcttaacc 300
ctcggaagaa atgtaagaag aagaaatatg tcaactcagg aactgtgacg ctgctctcct 360
tctctgtgga ctctgaattc acttttgttg attacatcaa gggagggaca cagctgaact 420
tcacagtagc cattgacttc acggcttcca atgggaatcc tctgcagcct acctycctgc 480
actacatgag tccctaccag ctcagcgcct atgccatggc cctcaaggca gtgggagaga 540
tcatccagga ctatgacagt gataagctct tcccagctta tggctttggg g 591

<210> 1674
<211> 616
<212> DNA
<213> Homo sapiens

<400> 1674

agttttatca tctgtaaaat ggagataagt attgtcagag taaacatgaa gattagaaag 60
aacacttaat gtgctgggcc ttttataggt taacactgac atctcaggct gaactatata 120
cattttcctt cacaaccata tcaatcctta taaactatgg atttatgctc cttaaaacaa 180
tatataatgc tgatcactac tataaatgcg tggttttaac caactgtact gaaacagctt 240
tgagtttata ttctgtttgg atatttggag aaaacaacaa gtgctctcaa gagyayttgc 300
ttagaggccg gctgtgtgag tggataactt tgaaagctgc ttttgagacg ccagtgtctg 360
gcatttcctg cattctggcc tggaggccgg acgtgaatct gacttctagt aaaaatacac 420
ggttcccttg acaaagtcga gctgtttatc ccagagactg cacaattttc cgttgatagg 480
catggaccaa tgctaactgg aaatcattgc aaaaagtttt tttgtcgggc ggagggtgtg 540
gtgttaagat aaacagtgtg caacagaaga aattaaaact ggaagaaatt aaagggtttt 600
ttttagaaaa aaaaaa 616

<210> 1675
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (622)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (664)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (666)
<223> n equals a,t,g, or c

<400> 1675
aaaacgaggc agaacaggac gtgattttaa acatttgctg ggctgtgcca cattcctctg 60
gcagttagct cagaggaagc tcccttcgct ctggggaacg gttctgtgtc tcattggttc 120
atttctcttg agctcttcgg cagtcaaatt tgctttttttg aaaacttaag ctgggggcgc 180
ttgcaagtag taaatagagg agttggggtg gggggggcgg ttcaytatct aggtttgtta 240
ggggcctcac ggttttcggg tcggagaatc cactgcgtgc tcctcctctt cccctggccc 300
ggactcccag cttcattgtg tcatcccgcc tgggggaaag cacccaccgg gatcgtcagc 360
ccactccacg ccagcctagc ctgsaagtct cagaaaaaaa gcaaaactgg gagaaaatag 420
aaggtgtgag ggaggagtgc acccctaggc ccacccataa caaaaggctg ttattccgaa 480

agggctgagg aaggttttaa aactgctcgc ccgagaaggg tggagcctac acacaggaaa 540
tgtcttaact gtcctctctt ggacaacgta aagttttaaa attttaaaaa aaatcaatgt 600
nccccttgat atttttacct tnataccctg tttcttaang gaaaatccct tcaaaagggg 660
taancnt 667

<210> 1676
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<400> 1676
tttaagaatt gttggcatct gtattcttga ttaataccct tgtttttcaa gatgtacttg 60
cagtaaatat atttgctttt taattcttgg ttagcagttg aaatggtgag tttcagaagg 120
ttaaaaaggt aatttttgtct taagtgaata aaacaaatta ttataacagc atcttataaa 180
ttagggatcc caagctgatt tctaaacatt tctactgagt aaagaaatta taccaaatat 240
ttgattagct cattctattt aatttttgnt tttgntttgt atcatggatt aggtactaga 300
accacagaat gtcgatcctt ctatggttca aatgaccttt ctagatgatg ttgktcactc 360
tttgttaaaa ggtgaaaata ttggcattac atcacgacgc aggtctcgtg ccaatcaaaa 420
cgtcaacgct gttcacagcc attatacacg tgcccaagca aatagtccca gaccagcaat 480
gaactcccaa gctgctgtac caaaacagaa tacacaccag caacagcaac aaagaagtat 540
ccgtccaaat aagaggaagg gctcagatag cagtatacca gatgaagaka agatgaagga 600
ggaaaaatat gattatatat cacgaggaga aaatcctaaa ggtaaaaaca aacacttgat 660
gaataaaaga aggaaacctg aggaggatga aaagaaacta aatatgaaaa gacttcgaac 720
tgacaatgtt tcagactttt ctgagagcag tgactcagaa aattcaaata agagaataat 780
agataattcc tcagaacaga agccagagaa tgaawtgaaa aaaaaatact t 831

<210> 1677
<211> 1319
<212> DNA
<213> Homo sapiens

<400> 1677
ggctggcttc tgcgtggtgc agctgcgcac gtgtttcagc cggcagcgct ttaagatttc 60
cggggatgga atccgaaatg gaaacgcaga gcgccrgggc agaggagggc tttacccagg 120
tcacccgcaa ggtggccgac gggcgaagaa acgacaggct gaacagctgt ccgcagcagg 180
agagggcggg gatgcgggcc gcatggacac agaggaggcc aggccggcga agaggcccgt 240
cttcccaccc ctctgtgggg acgggctcct gagtgggaaa gaagaaacaa ggaaaattcc 300
agtcccagct aacagataca caccattgaa agaaaactgg atgaagatat ttactcctat 360
tgtggaacat ttgggacttc agatacgctt taacttgaaa tcaaggaatg tagaaatcag 420
gacttgtaar gaaaccaagg atgttagtgc tctgacaaaa gcagctgatt ttgtgaaagc 480
ttttattctc ggctttcagg tggaggatgc acttgccctc atcaggttgg atgacctctt 540

cctagagtct tttgaaatta cagatgttaa acccctaaag ggagaccatc tatccagggc 600
aataggaaga atcgctggca aaggaggaaa aaccaaattc accatagaga atgtgacacg 660
gacaaggata gttttggctg atgtgaaagt tcacatcctt ggctccttcc aaaatatcaa 720
gatggcaaga actgccattt gcaacctaat cttgggaaat cctccttcca aggtttatgg 780
caatattcga gctgtggcta gcagatcagc agatcgattc tgatttcaag tcagagactt 840
tttatcttgc ctttggactc tggtgaaaaa tactttacag tggtcggtca caagaaacca 900
tctgaacaat ttcagtcatt tgaagcctcc gtcccttctt ccattctcag ccagaagcat 960
aaacagaaaa gaaagattta agaggattca cactcaacag gttttaggat aatttaaata 1020
tcaaaaattg attgttatac ttacacatta ggtataattt atcatttatc tgaaatcaca 1080
tgtagcagat tgcatagtct gtaatcctct cagagggaaa cttcttgttt aaacagctct 1140
atatggattt atacttttat atttataaat ttataacttc atacaaattt ataaacattt 1200
ctttataaat tgtaatttaa tagattatct cagaaaaacc tctctgaatg atgacccttc 1260
cttaatactg ggtgatgtgt gaatatttgt ttgttggcag acagggtctc actttgtca 1319

<210> 1678
<211> 470
<212> DNA
<213> Homo sapiens

<400> 1678
gcatacacag gaatgtgtct tctaagatat gccactgatt acatgtgagt acctgagaga 60
gaagaaggcg aaggagaaga aactccaaat tttagccact ggggcccacc gagaattgtt 120
gagattttta gagaacccaa tgtgtcyctt gggatcagta ttgttggtgg acaaactgtt 180
ataaaacgtc taaagaatgg agaggagcct taaaggtata ttcatcaaac aagttttaga 240
agacagtcca gcagggaaga cgaacgcact taaaactgga gataaaatac ttgaggtgtc 300
tggagtagat ttgcagaatg cctcacacag cgaagcagtt gaggccatta agaatgcagg 360
aaaccctgtg gtgttcattg ttcagagttt gtcatccact ccacgagtca ttcctaatgt 420
acataacaag gccaacaaaa tcaccggtaa ccagaaccag gacacccaaa 470

<210> 1679
<211> 1126
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1120)
<223> n equals a,t,g, or c

<400> 1679
aattcggcac gaggtgacca ggagtcgacg tgtgcagaag tcctggtaat ctggtccttg 60
ttcccgtctg gataccagct tccttcagca gcgcaggcgg tggtccctga ggcccgtgga 120
aggagtcaaa cttgcgggaa ttttgcagtt tatctgcagg gctgttgttt ccagcaagac 180
ccaaagctag aaaaggagga ggaagaaact gacccgatca gtgccagaag tcattgtatt 240
caaagaagaa taagcaagaa agaaaagaag gaaggaagag aggtagacag atacaagatg 300
aaatcctgtc aaaaaatgga aggaaaacca gaaaatgaga gtgaaccaaa gcatgaggaa 360
gagccaaagc ctgaggaaaa gccagaagag gaggagaagc tagaggagga ggccaaagca 420
aaaggaactt ttagagaaag gctgattcaa tctctccagg agtttaaaga agatatacac 480
aacaggcatt taagcaatga agatatgttt agagaagtgg atgaaataga tgagataagg 540
agagtcagaa acaaacttat agtgatgcgt tggaaggtta atcgaaacca tccttacccc 600
tatttaatgt agtttacctt gatttttatc tgatattaac aataccatat agcttgcttt 660

ttattagcat ttcctgatat tcctttgtcc atatttctac ttataacctg ttgctattaa 720
tggttttaga tgtatctctt gttatctgca tctcattgtt tattgtattt tgaaccaatc 780
tacaagtctc tgtcttttaa taaaagaact ttacacattt gtaaaaaaga ggttcttggt 840
aagatataaa atggaaaaag gctaagtaat atgtgaatat catatttttg aaaggtaaaa 900
agtacatttg tatattacat atatggacat aacttgtgaa ggatgaaaga aagtacagcc 960
tctcggtggt gggattatga atgatttttc tccttttgct tgtttgtatt ttctatattc 1020
ctaaaattaa cacacattat tattgctaga ataataaaag ttttataaaa aagaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan gggggg 1126

<210> 1680
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<400> 1680
accctcacta aagggacaaa agctggggct ccaccgcggt ggcgnccgct ctagaactag 60
tggatccccc gggctgcagg aattcggcac gagaaatggt catgcctcta cggatcagtt 120
aagtgaagaa aaggagaaag gggcatgtgg ctgttgagaa gtcaagtaag ygacatagta 180
gttcaggtgg cccatgcctg ggatcttctc tatgattgat acatggcaca gtgagagatt 240
aatgggcatt gtgtacaaat tgcttctcac catccccatt agacctacga ataaagcatc 300
cggttctaaa attaatttgt tgcagctttg taaatatttc tttaagattc agcctgagag 360
ttaggrgaaa tatttcagag ccaaaagtgc cttatacaac cttagcctat tatagtraak 420
cattcaaggg attcagaatt tttggcagtc acargaagag tgtatttatt atgtagratg 480
gaatgagggt acctgtcacc ctgcccttaa ntgtaggtag ggccccagag tcttaccatt 540
ttaaggatct ttaccatgcc aggtttataa aaacccggcc accaggtctt tcaatccagg 600
attttgaaag gcttcattgc ccatagggtg 630

<210> 1681
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<400> 1681
gcgataggct atagcatgtt tatgactctg gtttctttct cttcaggtgg ttttatacca 60
ttactgttaa tgttatttta acttggcatg tataacattg ccatatagag tagagtagaa 120
agttgcaaat tttgatagtt tacagagtta aacactaaac atatccaaag tccatttaga 180

gttttgggtg ttgtattttg ccatttttgt gatgtgtggc cttttattct gtaatctctt 240
ctaaataaaa cattgaacat ccagcaaaca taaaacctgc ctcatttgaa aaggaatttc 300
aaaattccaa ttaataggat tctctagaga gttttgtact ttaatatttg tcagtgtagt 360
gtcaactctg ttaccaaggt agcttcttgg taaatccagt agctactcaa tgctatttgt 420
actgaataaa gcaattatta acatgatact tcccactatt gattaatgca atattgatat 480
atttggcgtt gtggtagctg ttgcagaatg aatagtgtaa tgaccataag attgcttgga 540
aaattgtaat mcagatatcc acaatgaatt ctttnccaaa attttttttt ccgatgataa 600
aagtagtaga tg 612

<210> 1682
<211> 1194
<212> DNA
<213> Homo sapiens

<400> 1682
gcaaccaggt ctacttttta atggctttca taacactaac tcataaggtt accgatcaat 60
gcatttcata cggatataga cctagggctc tggagggtgg gggattgtta aaacacatgc 120
aaaaaaaaaa aaaaaagaaa ttttgtatat ataaccattt taatctttta taaagttttg 180
aatgttcatg tatgaatgct gcagctgtga agcatacata aataaatgaa gtaagccata 240
ctgatttaat ttattggatg ttatttccc taagacctga aaatgaacat agtatgctag 300
ttatttttca gtgttagcct tttacttttcc tcacacaatt tggaatcata taatataggt 360
actttgtccc tgattaaata atgtgacgga tagaatgcat caagtgttta ttatgaaaag 420
agtggaaaag tatatagctt ttagcaaaag gtgtttgccc attctaagaa atgagcgaat 480
atatagaaat agtgtgggca tttcttcctg ttaggtggag tgtatgtgtt gacatttctc 540
cccatctctt cccactctgt tttctcccca ttatttgaat aaagtgactg ctgaagatga 600
ctttgaatcc ttatccactt aatttaatgt ttaaagaaaa acctgtaatg gaaagtraga 660
ctccttccct aatttcagtt tagagcaact tgaagaagag tagacaaaaa ataaaatgca 720
catagaaaaa gagaaaaagg gcacaaaggg attggcccaa tattgattct tttttataaa 780
acctcctttg gcttagaagg aatgactcta gctacaataa tacacagtat gtttaagcag 840
gttcccttgg ttgttgcatt aaatgtaatc caccttttagg tattttagag cacagaacaa 900
cactgtgttg atctagtagg tttctatttt tcctttctct ttacaatgca cataatactt 960
tcctgtattt atatcataac gtgtatagtg taaaatgtga atgacttttt ttgtgaatga 1020
aaatctaaaa tctttgtaac tttttatatc tgcttttgtt tcaccaaaga aacctaaaat 1080
ccttctttta mwamaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggccgt ttta 1194

<210> 1683
<211> 1014
<212> DNA
<213> Homo sapiens

<400> 1683
acacctccaa cagactctca ttaagattca gttatttccg ctccccagcc ccacactcct 60
ttcagattat cgttcatggg cgtaagtctc ttctcagagt taacaagtct ttggtagtca 120
tcctctgtcc aaatattgta tattattaaa aggcattttt aataattacc agaattagct 180
caaaccttta gggatctttc agccatgatt attaaggata tgtatgtgaa tttttgggaa 240
acctctcggt gctggatgcc agcctacagc agggtccatt gctggcaatg gatggcccag 300
gaaggtccct agagatcact cacttgaaaa atgagggtcc catgaaagta tttggttgcc 360
ttctgatgcc acttcttctc actttacttt ttgcttattt tcaaaatatt ataaaatgtc 420
aacatataat ttcagaaagg caggtggggg taggggagaa atgaatgaat aaattctcta 480
ggtatttaga aagataagaa actgaagacc gagagactaa taaggctgct tacctaatta 540

ttataatcat ttcatttgcc tgaatgtttt aagcaggaag tagaaatact ttggctgccc 600
aaatgtatct tttgttcctc ttagaagtaa aataagctac atacaataaa aatttatttc 660
agaaccccat ttctagaaaa taccacccca gagtcctcat ttgatagcat ctgtctcctg 720
cagacctcat cattccacag tatttccctg ccatgtaaaa atcctgactt tgtgcgtata 780
taaaatgtat gcaattaagt ctgtttaaat gatatttaag ttttaaagac tgtattttgt 840
tgacacatac tttgtgcagt ttttatgtat gtatgtatta taaaaaaagt taaggttaaa 900
aacatctcat ttaatagtga gttcactatt ttttttttt tgtctctggg ttgtaattta 960
ataatcttca aacaaaatgt ttacgaaaaa tgccaaagat tctaaatctt aaaa 1014

<210> 1684
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<400> 1684
ggaaaagcac ctacaagaga gctgcatgga gctgtgggtg catttcctgt taccaccagg 60
gcatcccaga atgctgacaa agagaaaact aagaccttcc cactctgatt tgttacatgt 120
cataacacca agcaagtgac agaggagaca attatggggc ccagaggaag gtgcctgtat 180
catgtagaca aaatccaaag cagcttgttt cagacaaaac attttgcttt ggaaactttt 240
gaaacttcca tggccgttga atatagcaga gatgatctaa aaattttaga agcggttgag 300
gtacccgtgg taggggcaag gcatgggagt ggtgatcctt aaggggcttg tctttagttt 360
gagggccaca cacagaggag gtgggcagaa aactgaggtc tycccagagc agctttycag 420
acnaaaaaaa a 431

<210> 1685
<211> 569
<212> DNA
<213> Homo sapiens

<400> 1685
gcggacgcgt gggttgacta ttctgaggac aagagtagtt gggacaacca gcaggaaaac 60
ccccctccta ccaaaaagat aggcaaaaag ccagttgcca aaatgcccct gaggaggcca 120
aagatgaaaa agacacccga gaaacttgac aacactcctg cctcacctcc cagatcccct 180
gctgaaccca atgacatccc cattgctaaa ggtacttaca cctttgatat tgacaagtgg 240
gatgacccca attttaaccc ttttttcttcc acctcaaaaa tgcaggagtc tcccaaactg 300
ccccaacaat catacaactt tgacccagac acctgtgatg agtccgttga ccccctttaag 360
acatcctcta agacccccag ctcaccttct aaatccccag cctcctttga gatcccagcc 420
agtgctatgg aagccaatgg agtggacggg gatgggctaa acaagcccgc caagaagaag 480
aagacgcccc taaagactga acatttargg tgaaaaagtc gccaaaacgg tstyctytyt 540
ctgatcacyt tccaggaccc acccaagtt 569

<210> 1686
<211> 922
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (904)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (912)
<223> n equals a,t,g, or c

<400> 1686
cctcatagca ggcatccaac acggctgcca ggatatcggg gcccgcagcc tgtctgtcct 60
tcggtccatg atgtactcag gagagctcaa gtttgagaag cggaccatgt cggcccagat 120
tgagggtggt gtccatggcc tgcactctta cgaaaagcgg ctgtactgag gacagcggtg 180
gaggccgagg tggtggaggg gatgcacccc agtgtccact tttgggcaca gcctccctcc 240
ataactgagt ggtccacaga tttgcactac gggttctcca gctcctttcc aggcagagag 300
gaggggaggt cctgagggga ctgctgcccc tcactcggca tccctgcag agtcaggact 360
gctcccgggg ccaggctgcc ctgggagccc ccctccgagc ccagccagcc aggctctcag 420
gccctgcgcc tgcctcaggt ctttcttgct gcagcctgct ccagcctggc ccccacccca 480
ggggcaggcg gcccctcctg gcttctcctg tagggcacct ccctgccccc agcctcccag 540
gaaatggtgc tctcctggcc ctgcctctgg cccttcccsg gccgctgccc ctcagccatg 600
tggcacttct gagctcctga cctaggccaa ggggaggtct ctgccccctt ccccggccct 660
gggctaccct tgggtcctgc tcctcaggcc gctcccctgt ccctggccat gggtaggaga 720
ctgccctggt catggccgcc tgcctgtcat tcctgactca ccaccgtccc caggtgaacc 780
attcctccct tctcctcagc tgcagtcgaa ggctttaact ttgcacactt gggatcacag 840
ttgcgtcatt gtgtattaaa tacttggaat aaatcaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaanaaaaaa anaaaaaaaa aa 922

<210> 1687
<211> 1596
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1498)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1558)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1589)
<223> n equals a,t,g, or c

<400> 1687
tcaccgggtg cgccgtctag actagtgacc ccgggctgca ggaattcgga cgagggcgcc 60
caggttcttt agtggaagaa cgcgaagcga ggatgagtga tccgtggagg cagtaacagg 120
cgcggcgagg gagaagtgat tcccgaagaa tcaaggctgg gccggacccg gtggcctggc 180
aacagggtaa taagagaaat gaagccaaca ggtacagacc caaggatctt atctatagct 240
gctgaagttg caaaaagccc tgagcagaat gtccctgtta tactgttgaa gttaaaagaa 300
ataataaaca tcacaccttt aggaagctca gagttgaaga aaatcaaaca agatatatat 360
tgttatgatc tcattcaata ttgcctcttg gtcctcagtc aagattattc tcgaatccag 420
ggtggttgga ytacaatttc ccagcttaca cagatattaa gccattgctg tgtgggcttg 480
gagccaggag aagatgcana ggaattttac aatgaattac ttccatcagc tgcagaaaat 540
tttctagttt tggggagaca attmcaaaca tgttttatca atgcagctwa ggctgaagaa 600
aaagatgaat tactacactt tttccaaatt gtgactgatt ctctcttctg gcttttggga 660
ggccatgttg aacttattca gaatgtacta caaagtgatc atttcttaca tttactgcaa 720
gctgacaatg tccaaatagg atctgcagtc atgatgatgc tacagaatat aytacagatc 780
aacagtggtg atttactcag aataggaaga aaagccctgt attcaatttt agatgaagtt 840
attttcaagc ttttttcaac tcctagtcca gttataagaa gtactgctac aaaactccta 900
ctgttgatgg ctgaatccca tcaggaaatt ttgattttac tgagacaaag tacctgctac 960
aaaggactca gacgtctact aagtaaacag gaaactggga ctgaattcag tcaagaactt 1020
agacagcttg ttggcctttt aagcccaatg gtctatcagg aagtagaaga gcagaaacta 1080
catcaagcag catgcttgat tcaagcctat tggaagggtt ttcagacaag aaagagatta 1140
aagaagcttc catctgctgt gattgctttg cmgaggagtt tcagatccaa acgatcaaag 1200
atgttgctgg agataaatag gcagaaggaa gaagaggacc tcaaattaca attgcaactt 1260
caaagacaga gagccatgag actttcccga gaattgcagc tgagtatgct cgaaatagtt 1320
catccaggtc aggtggagaa acactatcgg gaaatgggaa gagaaatcag cactgattat 1380
ccagaaacat tggaganggt acanggaaag gaaaaatttt caccaacaga ggcagtctct 1440
catagaagta taaaagcaac tgtcacactt caaaagagca agcgctttaa attcctancc 1500
gaaattgncc gttangaaaa aaggaaacta ttttgcctcc cttgggcgaa gggacctncc 1560
aaagaaacct caacctgaaa tgccaacgnc cccaaa 1596

<210> 1688
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 1688
ataaaagaag caatcacccc cacattttcc cctgccaacc acttgcctgt accaagtgtg 60
agctctgaaa ggggaagtct ttaaggttaa acaagtgttg aagtcttaat ttttttatt 120
acatggactt taccaaactg acttttttgtt tgtntctttt tagtggctag aagtgacccc 180
aggatttttt tattatcaag agagactaga agaatcatga gacttttcct agttgccttt 240
caagaatatg aagaaaaaaa tggttctcaa agtgggtttg aatgagtatt gttccaataa 300
atgaacttat attcataaaa aaaaaaaaa 329

<210> 1689
<211> 1273
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1273)
<223> n equals a,t,g, or c

<400> 1689
tccgnaattc ccgggtcgac ccacgcgtcc ngttagtaac tacttcaatg atcatttcac 60
aagaaaaaga ctataaatta agtagaganc aacattttta ttgaacattt ttggcttgca 120

atcaaacttt gccactaaaa attaacttca taaaacacta gtccgttatc aacttcttca 180
cagagaaagt agctatacta taccctacat atttatttat ttattattct actatagcag 240
aataacaaaa cttgatgcat taagccagtt ctttgcaact gaaaattacc tgtttctcct 300
tccctttcac actccatgta tatatgatca gcctctccat taaaaagaag ctggacatgc 360
aartacatca tattatgttt tctccatatt ttatgttttt ctatgtatct gaatacagtg 420
ggataaataa ttgaaagtag tgttcctatg gcattagtgt ttttgtgaga agggtaaatg 480
tagtgagaaa ggtttttca tggcattaat aagaaagccc ttctgtaata tatatattat 540
tttgtaaaca tttcactgaa gggccaaaag ttaaattata actaaatcac tgtgttttca 600
gaatgatatt taacaacaaa cccgtggtca aaccaaaata gtgggttgaa gtgtattatt 660
catcttttag tgcattggca attgcaaaaa aaaaaaagga atttaatata aggctataga 720
gattaattca gtgtctaaca tttgtattta tttaaatagt tattgaccta tgatgacttt 780
ctagtcttaa cattttayct ttttattgtt gttgttcttc ctttcaaaga tgtggttctt 840
aataggttca ctgaatgcac agttgaggca cttcttgtga caccagttcc caagtagcgt 900
taataattgg gcctgtgtca taaaatgcac ggatcattaa taactaaatg tccctgacac 960
ttttcactac agggctggac ttagtaactg accaacttcg gggggagggt tggggcaagg 1020
gggggtgggc gttagaacat gatcaaaaaa tgtctccgct cagggattta tggtggatta 1080
ttgcagacag tgctaaaaat atagagcaca agacaagttt actaaattaa aattttattt 1140
tttgagaaac tgttatttgt ataaattatc aagatttgta ggctttcctt ttgtagaaat 1200
aattgtttta tgtgccagag aatttcaatt ttgttttcaa caataaagca ttgataagaa 1260
anaaaaaaaa aan 1273

<210> 1690
<211> 1020
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (859)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (986)
<223> n equals a,t,g, or c

<400> 1690
ttttttttt ttttttttt ttttttgkat taratttttt ttttcctagt accttccagc 60
tctaaaaaaa tttgaaatag cataataaaa gacaaaakga aaacgaaatt ttaattgkaa 120
tattttctgk cacagcagca tatgtatatt tgaaatactg gtaacaattt taaggtagca 180
ttctgtggta ttaatattta ttaatatgct catgaacttc taagtgccac accagacata 240
tagactcttt actttaaaag agcatatatt taaggcattg aaatggatac agctatattc 300
attctcaatt gtcttaggct attatatgga aagatatgtg tcaattatag gtaggtaggt 360
aggtaggtag attttctgga aacacagaag tacttgacgg agagttaggc ctgtattcta 420
taaatctatt aatggtagca aagtgcataa gacagggatt tctttgagat gaaaggagtg 480
ctgaagaaga gcattggaat taatatttgg atgtggtatt gtgaaattca atgggtaaag 540
taaccctaat gtgggaataa aagtcaaggg aaaggtcttg aataagtaca cagaaaaata 600
ggctaaaaat attaagggga gggaaattgg aatacaggga gacagtgtgc aagaaagcaa 660
gccaggaatc tgcctatgtg gtagacccaa ccattactac ttgaaccccc ttagaaaagc 720
ttttccagca ttccataact caggttcctc atttataaag tgggaaactc ataattgtcc 780
tacctacctc acaggggtgt tgtgaggatc aaaggaacag atgaatgtat gagcactttc 840

agacatgtaa ggcactgtnc atgtaacaag taggggaaag actctgggag cacattagtg 900
ttgggtgtgt gccaagcccg tgggttgttt ggaccgtaag ggatkatttc aagttaggga 960
gggagggaag agaagktggg cwttgnttat taaaggttgt tgttacacac cttagggttt 1020

<210> 1691
<211> 1636
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<400> 1691
caagtntaag ccccanattg ctgctctgaa agaggagaca gaagaagagg tgcaagatac 60
aaggctttag agagcagcat aaatgttgac atgggacatt tgctcatgga attggagctc 120
gtgggacagt cacctcatgg aattggagct cgtggaacag ttacctctgc ctcaraaaac 180
aaggatgaat taagtttttt ttaaaaaaga aacatttggt aaggggaatt gaggacactg 240
atatgggtct tgataaatgg cttcctggca atagtcaaat tgtgtgaaag gtacttcaaa 300
tccttgaaga tttaccactt gtgttttgca agccagattt tcctgaaaac ccttgccatg 360
tgctagtaat tggaaaggca gctctaaatg tcaatcagcc tagttgatca gcttattgtc 420
tagtgaaact cgttaatttg tagtgttgga gaagaactga aatcatactt cttagggtta 480
tgattaagta atgataactg gaaacttcag cggtttatat aagcttgtat tccttttttct 540
ctcctctccc catgatgttt agaaacacaa ctatattgtt tgctaagcat tccaactatc 600
tcatttccaa gcaagtatta gaataccaca ggaaccacaa gactgcacat caaaatatgc 660
cccattcaac atctagtgag cagtcaggaa agagaacttc cagatcctgg aaatcagggt 720
tagtattgtc caggtctacc aaaaatctca atatttcaga taatcacaat acatccctta 780
cctgggaaag ggctgttata atctttcaca ggggacagga tggttccctt gatgaagaag 840
ttgatatgcc ttttcccaac tccagaaagt gacaagctca cagacctttg aactagagtt 900
tagctggaaa agtatgttag tgcaaattgt cacaggacag cccttctttc cacagaagct 960
ccaggtagag ggtgtgtaag tagataggcc atgggcactg tgggtagaca cacatgaagt 1020
ccaagcattt agatgtatag gttgatggtg gtatgttttc aggctagatg tatgtacttc 1080
atgctgtcta cactaagaga gaatgagaga cacactgaag aagcaccmat catgaattag 1140
ttttatatgc ttctgtttta taattttgtg aagcaaaatt ttttctctag gaaatattta 1200
ttttaataat gtttcaaaca tatataacaa tgctgtattt taaaagaatg attatgaatt 1260
acatttgtat aaaataattt ttatatttga aatattgact ttttatggca ctagtatttc 1320
tatgaaatat tatgttaaaa ctgggacagg ggagaaccta gggtgatatt aaccaggggc 1380
catgaatcac cttttggtct ggagggaagc cttggggctg atgcagttgt tgcccacagc 1440
tgtatgattc ccagccagca cagcctctta gatgcagttc tgaagaagat ggtaccacca 1500
gtctgactgt ttccatcaag ggtacactgc cttctcaact ccaaactgac tcttaagaag 1560
actgcattat atttattact gtaagaaaat atcacttgtc aataaaatcc atacatttgt 1620
gtgaaaaaaa aaaaaa 1636

<210> 1692
<211> 835

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (832)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (833)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (835)
<223> n equals a,t,g, or c

<400> 1692
caaaaaaaag aaaggaaaaa cagggccagg tagccattkt ggagagagca cacttaggaw 60
tcctgggatg ttagtkttaa aagaaagctc ctggagccag tgattctcag gtttgtccca 120
gaaccctttt ttctaagccc catataaaag gtagattaaa aaaacaaagt agcatgagtg 180
aaattgagag agggacaggt aatgccttcc agcccctaac ttctaacaat ctggaagcac 240
aacgtgaaaa tcackkagcc caaccctatc attttcatat tatgaaactg agtccaggta 300
agtgaatctg tccaaggtca cccagcaagg tatcagtagc cctgagggta aggactctga 360
taaggctcgg gagggtcctg gaaagcctga ggcggcagga agagtgtgca gagttgagcg 420
tgtctggaag gctgatccac tgctgggccc acatcaaagc ccccatgggg agcagacccg 480
actgcacatg gctcttttgc tggaagaaga gcatggctgc gcagaggact aaaatttcat 540
ctgggaaggc ttcttttgac tgtcagtagc aggatgtcac cagatgaggg tgctatggga 600
ccacagctgt ctttgttccc attgcaactc aaccctgcrg gaggccgcct gcatccctga 660
gagccttctg gagcctacag aggagacatt ggccagccaa aaggaaagga gtggccaggg 720
tacgacctgg agtagggaag ggaaaaagtt cccggaaaga agagaattgg atgagaggtc 780
tcggtggaaa taaaggtttt ctggcattgg tcaaggaaaa aaaaaaaaaa annan 835

<210> 1693
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (597)
<223> n equals a,t,g, or c

<400> 1693
gtttgaccct acgtggaagc ctacaagaag gggaattctg ggcaatgtgg ttcagcccag 60
ccacatcaca tactattatt tagtagtcat gaagagagag acataggtaa aaacagcagt 120
tagtatttct tcattctgat atctggcagc aagtgagtga tgctaccatt atcggctaaa 180
atcaggaact ggtattaatg cattttgttt tgttttgttt tctgctttat tctcctctgt 240
catagacagt gaagagtaag tgaagaattt gagggtcatc aaccattgtg aactcatcaa 300
agttagtagc acttaaaatt tgcttttaaa atgaatggaa agatkccaag ttttyaatag 360
cacaaatatt tttttctcat ttgtaccttt tttttgtctt ttgtatacag atattcccac 420
tctggccact gcccaaaggg gctcttatct gaggaatact gctgacttcg agtacctagt 480
tttacagagc catctttctg aagcataaat tanattacat tattctacag cttaaatccc 540
tcctgaactt cccatcaccc caagagtgga tctgaaacgc cttanagtgg cattcangac 600
ccttctg 607

<210> 1694
<211> 1273
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (838)
<223> n equals a,t,g, or c

<400> 1694
ggggcgagcg aggaggatgg cggagtcggg gctcctgacg gaactctaat gaatcattga 60
ttgaccagca ctattttacc agttggaatg aatgatcaga aatgggcata gtgcttttag 120
atccaacatg taacagatgg atgttactcc atgctgatta cttcttcaag ccagtacttt 180
tttgattgtg taggatcttt gtctcttcat ctttgaattc aattactgga aaataaaagg 240
agttcatgta gtttttgtcc aggcttgagt caccatgagt agtagtttag gaaaagaaaa 300
agactctaaa gaaaaagatc ccaaagtacc atcagccaag gaaagagaaa aggaggcaaa 360
agcctctggg aggttttggg aaagagagca aagaaaaaga acctaagacc aaagggaaag 420
atgccaaaga tggaaagaag gactccagtg ctgcccaacc aggggtggca ttttcagttg 480
acaatacgat caaacggcca aacccagcac ctgggactag aaaaaaatcc agcaatgcag 540
aggtgattaa agagctcaac aaatgccggg aagagaattc aatgcgtttg gacttatcca 600
agagatctat acacatattg ccatcatcaa tcaaagagtt gactcaatta acagaacttt 660
atttatacag taacaaattg cagtccctcc cagcagaggt gggatgttta gtaaatctca 720
tgacactggc tctaagtgaa aattcactta ccagtttgcc tgactctctt gataacttga 780
agaagctgcg gatgcttgat ttacggcata ataaactgag agaaattcct tcagtggntg 840
tataggctgg attctctcac cactctttac cttcgcttta atcgtataac tactgtggaa 900
aaggacatca aaaacttgtc aaaactcagc atgcttagca ttcgagagaa caaaattaaa 960
caactacctg ctgamattgg tgaattatgt aacctcatta cgctggatgt agctcacaat 1020
caacttgaac accttccaaa ggagattgga aactgtacac agataaccaa ccttgacttg 1080
cagcacaatg aactgctaga cctcccagat actataggta tgagaggaga raggagakat 1140
tgatagctgt taatagctaa ctggatatta ataggactat ttttgatcca tttggtaatg 1200
aaaattcagg agtaaaattc acaattacca aagttgtaaa acttttaaga taatatttta 1260
aaatcatttt tca 1273

<210> 1695

<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 1695
ctatggtgtg ncctgtactg gcacttttat tctggttttg acttgactta gattgtntga 60
tactttggtt ttggttttgg ttttgacctg gcttgggttt ttggatactc tgattttggt 120
ttggtgtaaa ctgcaaaagt gtgtgtgccc tgtttttttg tttttgtagtg caygtgtggt 180
gtgrgygtgg tgttttgtct cgaagaagca tgggtcaggt acaaataagc ccaccccact 240
aggaactatg ttaaaaaaaa attcaagaaa gaatttaagg gagattacag tgttactgtg 300
acaccaggaa aacttagaac tttgtgtgaa atagactggc cagcattaga ggtgggttgg 360
ccatcagaag gaagcctgga caggtccctt gtttcaaagg tatgacacaa ggtaacccgt 420
aagccaaggc acccagacca gtttccatac atagaaagtt acagctgctt ttatacccca 480
ttgccccgcc aacgtagtta agagaacagc agcataagcg gctggcagag gcaaggaaag 540
accagtagag agaaaaaaag gccatctata ccaattctaa gttaatttag actaaacaag 600
gtcttaatag caaaggataa ttgaaatccc aaacttacaa ggttttcaac aaaagtgaag 660
tttgcttaaa gttaacagtg taacatgtat tatggtaact tctaatcttg tggccttaga 720
cagtctagtc caaaggcata aagaaagttt gctttaaaaa aaaaaaaaag gaatggttat 780
cttcaaaaaa aaaaaaaaag 800

<210> 1696
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 1696
ccagcacttt gggaggccga ggcaggtgga ttacctgagg tcagcagttc gagaccagcc 60
tgaccatctc tactaaatgt acaaaagtga gctgggcatg gtggcgggca cctgtaatcc 120
cagctacttg ggagactgac gcatgagaat cgcttgaacc tgggaggcga atgttgcagt 180
gagccgagac cacaccaccg cactccagcc tgggtgacat gagtgagact ccatctcaaa 240
aaagtaaaat aaaataaatg gattaaagac atgaatgtaa aatacaaaaa gtcaaatcca 300

agaagaaaat tatgkttatc gtaggagtga gtgtgaagtt aggaaaccca aagaaacaac 360
gggcaagggg gatgaacaag cagtttacag acacggaatt cagatcgcca ggaaatatgt 420
gaatggtgtt cgagtytgcc ggtattccat atgcaaatta aggcaacact gtgctcagtg 480
gctggcacag cattgnccaa ggcagtaagc gctattna 518

<210> 1697
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<400> 1697
cggaatagtg ggttttgctg caaccggttt attttccttc tgttttcacc cattctggca 60
caatctggcg ccatcgtcct tcttgtgagg ccaagcctga aaatgcgaag cagagaggca 120
ggaccaaaat tgaggcgaat ccaggaacct gccaatgggt ctccgggtgc ggtctctgaa 180
actggaggat atcgggagga aaggctctcc gatgcggaga taatggggaa gctcttggca 240
tggttggctg taggtatgtg ataccggagg agcaggagtc aaataggata cgccgacttt 300
taattcaagg aacccttttc tgaaacactt tgccacaatg aaggaaataa ggaattgtac 360
tctcagagat gttgagaaaa gatacatggg tcttgggaag ataattactc aaaatatgca 420
gggaagggat ctagtttgga agcacttaag gaagaattaa gacctccagt ttggaaaaga 480
gggcttctat caggaacaac acganttctg cttaaantgg aagccaagaa caaacctcca 540
atnt 544

<210> 1698
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 1698
gaagaccctg gctctctata aaacagaaaa cgcaaacttt aatattatca acaatcaata 60
tattataaga gattgcaatt tctaagtttc tacctgagtg tttcacaaat acaaactgga 120
cattttccct ttaaatgagt tttattataa aatgtacata ttgattgtaa aaacaaaaaa 180
ttcaaatagt acaaaascat ataagtaact aataaaagct ccctttctgc attaggcccc 240
tcagttcttc ccagggaaaa tgattaatag tttacattct tgcagaaatt ttttatgtat 300
aaatttttac ccaaatgaat tcattatata aatttttttcc aacttagtgt ttttttacat 360
aataatagca agtttaaaaa ttgttcttca ggccangcac gggtgggtca cgcctgttta 420
tctcacactt tgggaagctg aagcaggaaa acacttgaag tcagganttc aaaacaaccc 480
tggccactgg tgaaaaccnt ctctactaaa ttacaaaatc acttggcttg gt 532

<210> 1699
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 1699
gcaacatttg tkaaaagtag agggctaaag taacacccct ctaagcattt gttttcagta 60
cttcctagga gtggttgcat ttgggaatgg aattgttaaa acttgatgct taggagcgta 120
tgctgactat tcactgcgtg gtggggtgga gaggaggagg aggtatgcag ggagaagggt 180
tctgtgcnc 189

<210> 1700
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (638)
<223> n equals a,t,g, or c

<400> 1700
aattcccggg tcntcccacg cgtcnttnag agagcgagag gaggttttga gagaggagat 60
tcagacactt accagcaagc tccaagaatt gcaagaaatg aagaaagaag agaaagagga 120
ttgcccggaa gttcctcata aggtacagtg accattcagt tgagtctccc gtcaggtgcg 180
gtgagacttt ggtcgtgacg gttctgaccg tttccctgtc cagagttttt tctgaccagc 240
cactgaaaat cccactcccc tttatcatca ccattgattt ctataactca tgtcgtgtgt 300
atcgaagtcc gggttttgga ttaattgact gtcagcaaat tgacttctcg aactgatatt 360
tgagtctcaa ggctggtgag taaagagttt tccaaatctt ggtcatgcgg agggtgtagt 420
tatgcggccg gagctgtcac tgagaggcag gaggggcttg gggggaaagg acgaaggctc 480
aaccaggccc ctgcatggac ctgggcatgc gtcctctnct ctcatctaag ttccagaaca 540
caagttggca aaagcctcag cgggcactgn cctctgggtg gggtggggct ttctgtgccc 600
ttccttgccg tnacttcann ttgtgcacgg gttgaaan 638

<210> 1701
<211> 695
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (678)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (691)
<223> n equals a,t,g, or c

<400> 1701
ggccctggtg agtgtcctca ccaaggagta tgaggacgcc gtcagcatcg ccacggcagt 60
gcttgtcgtg gtcactgtcg ccttcatcca ggagtacagg tcggagaaat ctctggaaga 120
gctgaccaag ctggttcctc cagaatgtaa ctgcctaaga gaaggaaaac tccagcacct 180
gcttgctcga gaactggttc ctggtgatgt cgtatctctc tcgatcggag accggatccc 240
tgcagacatc cgactcactg aggtcacgga cctcttggtg gatgaatcca gtttcaccgg 300
ggaagccgag ccatgtagta raacagacag ccccttgaca ggcggtgggg amctcaccac 360
cctcagcaac atcgtcttca tkgggamcct rgtgcagtat gggargggcc arggggtcst 420
gattggaaca ggggaaagct ctcarttcgg araaktgttt aagatgatgc aggctgaaga 480
gacacctaaa actcctttgc agaaaagcat ggacaggcta ggaaagcaac tgacactctt 540
ctcctttggc ataatcggtc tcatcatgct cattggctgg tcgcaaggga aacaactcct 600
gagtatgttc acgatcgggg tcagcctggc tgtggcggnc atttcanaag ggtctgccca 660
ttcgtcgtca tggtgacnct ggtcctggga ntgct 695

<210> 1702
<211> 545
<212> DNA
<213> Homo sapiens

<400> 1702
ccgccctgca ggtcgacact agtggatcca aagaattcgg cacaggccag agggaccata 60
gtgttgggca ctgtctgacc atgttgcatt tggaaggcta aatggggcca tgaagaaggc 120
tggaagggac agggggtgat ggcagcctac ctggtgtccc ctaccccacc tgttctcgga 180
gaaccaagtt gctacacagg aagttctcca aggtccagtt tcctttctcc caccagttgg 240
tggaggcttc agggaagacc agagtcctgg acagagaggg taacaggagg agtcggggat 300
aaacatcaaa catcaatcgt gtgtcctgat ttgggagtga ttgggggggat ggggtgggag 360
agggttagtt ggtattctca tggcctgatt ttttttgttt ctattccttt tatatcactg 420
tgtttgaatc gagggggagg ggtggtaacc ggaaataaag acctccgatc ttccgcccca 480
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaa 545

<210> 1703

<211> 1620
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1591)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1608)
<223> n equals a,t,g, or c

<400> 1703
aattcggcac gagggaactc tacctctgca gcgagtgcgg gcgctgcttc acccacagcg 60
cagttncgcc aagcacttga gaggacacgc ctcagtgagg ccctgccgat gcaacgaatg 120
tgrgaagagc ttcagtcgca gggaccacct cgtcaggcat cagagaacac acactgggga 180
gaaaccattc acgtgcccta cctgtggaaa aagcttcagc agaggatatc acttaattag 240
gcatcagagg acccactcag aaaagacctc ctagckaggt ccccatgtga ggagatctgc 300
tttcagccct cacctaaggg aggtgaggaa gaggaaaagc cctcttgtca gcctgggaag 360
acctttttcga gggagtctcc ctgacctgct cagatctgac attacctctt cctgcaacta 420
aacacgagcc tgggcagaac ctctcagcct tcctctacgc cttgagggga tgtttcatcc 480
aaagtacaac ctgaattgag gcttctcctt cactggagtg cacctgcctc tacctcatgg 540
gtataaagta ggagaactaa gagacttaag aggtcgtggt tcctatatcg tccaaaaaat 600
aggctgttac atatcctaaa gactgctcaa cagcttcaag ttgaaagtgg ccaaggacag 660
ccccttaggt ttgggaaggg acgagcctga aggattctgt ctttactggg gtcaaatctt 720
aaagcacaca gctctggact caagacagga ggtttgcgtc ctgatggctt tgcacacatt 780
cacaggataa ctgcatagat ccctcgctgt ctgattcact tcttaccatg cactttcctt 840
tgatgctgag gagaaatgga agtgggcgaa aaatctcaag gctgcttcat gtggaccttg 900
tcaagctgct ccctccccca gcgtcaaatt gttatcaggt gccaaacact gctagaaagg 960
agggcctagt cagaagcctc tttccatacg agttttggtt ttgtttttaa tatttttttc 1020
tattaaaata ctcatgcatt taaccttccc gttattcaac cagtctcttg gttgcatccc 1080
tagcacttct actacaagtg agatggtagt gtttgagtgc ttattgagta aagcataatt 1140
cggtcataat gaaatcgttc acattccctc atatgcacaa gcccaccaac cccttcacac 1200
ccccccttcac aggggtcgta tgagtaaggg gatttggaaa ctgtcaactt acaaaggcac 1260
tataacaatt acagaatcat gattgccatg ggccacttta tttacatgaa gacaactgga 1320
gaacgactaa gaccaaatta tggaaaataa gaaaaagctg ttgctggcaa gaccatcaag 1380
actgttctga caccctgtcc ccatcatccc tgactgagta ctctgacatc acggaaagtg 1440
ttgaacctgg gaccctgagg aattcaccag gagtaaatgg ctttcatgta tttgtgttgt 1500
ttgctttttc ttacgtggat tttatgttca taggagctag gaaagtagcc tcttctggtg 1560

ggccccaaca ttcttcttgt ttgcccgttt nagggttccn ttgggagntg gagggcttga 1620

<210> 1704
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<400> 1704
tgcacccgcc cctgggaaag atgctgatag gtcttgctgg ctacctgagt ggatatgatg 60
gtacctttt gttccagaag cctggggata aatatgaagc atcacagcta catgggaatg 120
aagaaggagt kaaggcttcc tgacttgaaa tgggactgac tgaaccctgg ggccacactt 180
aaaccagaaa tgttatagtt tagcagccct ggcgtggtgg gcaggtgcaa attaaagggg 240
actttgggtg gtggagggag aggggaggat gattcagacc cttcccctgt gggtgttagg 300
attactcagg aactgaggtt nagggaagaa gggnagagga ggttgcaatt attacaggga 360
tgacatagtt agaaggcagg cacgcatttt tcaccgttng ccctg 405

<210> 1705
<211> 1592
<212> DNA
<213> Homo sapiens

<400> 1705
aattcggaac gaggcggaca gtgagaaggt caggtgaggg cggcaaccag ctccccttgt 60
cccgccctgt tcatcctccc attaccaccg cccccacaca ctcacacgca cacttacgca 120
cagatcattg cagcggatga gatggggcta tgacagaagc ctcaggctcg tttcctyctc 180
cctcctccag ccccctcccg gcttccagcc cattctcttt gcagctgggg ttcctaccct 240
accctactcc cagctccttt tccccgcgga tggagagatg gactctgctg cttacccacc 300
cactcccctg caggggggtgg aggactgatt cagctactgt atccccactg ctgtgactgg 360
aaatgggggt ggggagtgac tggtcttttc aaccctgggg agttgaggaa aatgtctgct 420
ttcacttcag ctttcatttg aatactgtga tctggttttt attttgaaat gtataaaaag 480
caaacccagc tacaaaggcc ttttcaccct tccactttgt aactaatccc agtctcttct 540
catcactcct cctcttacag tactctgcta ttcatgctca tttcatgttc ttaatcttct 600
ttcctgttta aaaatttttt tttggaaaaa atttgaaatc atggtccttt tttctgctga 660
atatattcta tatattatat atatataaat tatatatata tatatacata tatatgtctg 720
gctacctcgt tttagtttac tttttttctg aagccctgga attctacaag agagatattt 780
tgagactgaa acatgtttgt gcctagactg gaaagatgcc cttgggtttg tccgtctttty 840

tgtgttggck tcttcccagc ctccatccgt ccagtgtgcc ccacttccac attctggcta 900
taatttcctt tttctccttg ttcattggga tttgaggacc tatttctaaa tcttaattta 960
tagcacaaat atgtgggagc aatgagagtt gaaccgttgt ttttgttgga gatgcagatt 1020
gtgtcttgaa aatgatgatt atatatgcaa attctgccct accctcaccc tcttccaagt 1080
ttcccccaa aaaggtcaca cagtgcggct tcctgtggga aacaggagca gagctggcct 1140
gcagagcccc tggggctgtg atgaagctca tatcttatct ctgttctatt aacaaaatgg 1200
gagtttgtgg gttttaaaaa attccgtttc taaatggagg aatagatgac tttctttctt 1260
ttggtggggg ttgggacttg tggctttaaa gaaatcactt ctgagtagga tgtatatttt 1320
cgttggattt ttgttgttat ttctttagaa ccctccacag caacatgcaa gaccatggag 1380
ttaaagaaac ccagagacct ttatcaatta attgtactgt ttgtgaattt gtataaataa 1440
taacaaagat cctcttaaaa cgtttatatt cttacagtaa aaggttaaac tgatatttat 1500
ataataaaag aggaaatatg aagtatgttt ttgaaaaaaa aaaaaaaaaa caaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1592

<210> 1706
<211> 1442
<212> DNA
<213> Homo sapiens

<400> 1706
aaaaaaactc tctaatcagt tgtacacaca ttgaaactta tagccatggc cagattttat 60
gctaaaaatg gtagtttgtc aaagacaaaa ttctcttaga atctaatcca acttgccagc 120
cctgagaaaa tccctttttaa ggccaaggaa agctgaatgc tagcagccag gcctgtggta 180
cttccatgag aaaccatagc agacaatgcc ctcccaagta ctgaaatcac actggaatcc 240
cccttgttgg gttcatttga ttgtttaaca caggatgtgt tgtgtcattc tgaagttttt 300
atttggggca gaagtcttta tggagatgta aatgacagcg tttctgggtt atgcataact 360
tctcactggt cagagacacc ggtgtgtcaa gcatggatat tgcattgcaa gacttgaatc 420
tataaaaatt agaatcacac agtcagtact acaagcaaaa cagagaacct gaaagaaggt 480
gcacagactg taagaaaaaa cccaagtttg tgatatttca gtgattccaa agaacattct 540
aggttttttg tttgtttttt tgtttttttgg gtttttttttt tttactgcag aaaattggtg 600
gtattttcac attcatagtg tttctatcca atttcagtac ccacatttaa tgaggaaaaa 660
atgttttacc aatgaaggag gaattcttaa attagctgta atgttaggtt ggagaaaatt 720
tggtatttag ggtattttca aggtaccatc aaatcagatt tctgtttttt tgttaaaaaa 780
aatttttttа atcagtattg tttttacaag taatatactt tgaaactctt gaactaatag 840
tctcaaaaac tctagaggac agtctgagaa cacgtatttc tattgttcta aataaataca 900
tgtttttgaa tagttcaatc atgaattatt gactatgtct tcatcaaaag tgttaatccc 960
tctcagggtc tctggtgaag accttcaaga gtttggtttt ttctcccagg aaattggaag 1020
gtagaattgt aaattcatag aacttctttt ataatggtgt acctcagcag ctgcctttca 1080
atttatgcca agtccttaca gagtttatac ttgaatagtá aatatgtctt ctgagtttta 1140
cagtgtctta aactcaatgc acatttttтt ttcttctttt tccacccctt cttgtttgta 1200
gttcattata cctgtcctat tacagaactg atttccttcc tggctgtaca tgttggggtg 1260
ctggattttt ttccgtgtct ttagtcttcc ataaatccac acacacacac acacacaaaa 1320
aatatatata tatataaata tatatgtagg atacatgttc tcttctttag cttgtggtga 1380
atacagtaat ttgcattgaa gaataaaaca tctgttgcct ttttttgacta araaaaaaaa 1440
aa 1442

<210> 1707
<211> 808
<212> DNA
<213> Homo sapiens

<400> 1707
gtttcaggtc tttgtgtgtg gctttcttaa agccctgttg taaaaaatta ctatgtggat 60
ggcagtctct cacatcacag atgtggaaag tataatttta tatttgtatt ttcaaataaa 120
taagtttgtg aaaggtttcc atcctctact gtggtccaga aagatgcttg agatatatat 180
atakatagat acatatatat gtatatatat aaaaaaaata ctcactacaa aagttccaga 240
gcctccctcg aaggttctct actactgtat tctgtacata atgtaccatc ccatgtggaa 300
tctgtgagtg tcctcttaag tagcgtgggc tagccaatct gccgttcatg gtgtattgta 360
aactccgaat tccatatgta ataggatgca agtctaagcg tttcatgtgg acataaatgt 420
atctaaataa aactttccct agcactgtgg ctgacctcac ccttactttt atactttagt 480
atgaaactga tgagaacttt ggtagtgagt attttttta tatatataca tatatatgta 540
ctatctatat atatatctca agcatctttc aggtctttgt gtgtggcttt cttaaagccc 600
tgttgtaaaa aattactatg tggatggcag tctctcacat cacagatgtg gaaagtataa 660
ttttatattt gtattttcaa ataaataagt ttgtgaaagg tttccatcct ctactgtggt 720
ccagaaatca atgtgtttgt ctgacaaaaa aaaaaataaa ataaaataaa ctgttttgaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaa 808

<210> 1708
<211> 1055
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (996)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1010)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1025)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1030)
<223> n equals a,t,g, or c

<400> 1708
gataaatcta tcaagaataa agcagaacgg gaaaggcgag tcagggagtt aaacagcagc 60
aacactaaaa agtttctgga agaaagaaag agacttgcca tgaagcagtc caaagaaatg 120
gatcagttga aaaaagtcca gcttgaacat ctagaattcc tagagaaaca gaatgagcag 180
cttttgaaat cctgtcatgc agtgtcccaa acgcaaggcg aaggagatgc agcagatggt 240
gaaattggaa gccgagatgg accgcagacc agcaacagta gtatgaaact ccaaaatgca 300
aactgaagca gcaaacccac aaagcatcaa aagactcact cacaaacttc tgaacacaaa 360
ctccatggat gaaagctgtt tattttgttt cctttatgtg taaacaagat gatatctgaa 420
accagagaga cttggaatgt ctgactgact tctatttaac agcttgagta ttgcatttcc 480
ttggccaaac aaaaatagct acaaatccac aaaaatttac tattccagta aggcagagtc 540

caaccattga taatacaact taaacatgtt tgctataaaa taccatcaca agtaaatgag 600
cttggtgtga acaactctcc tttgtgatgc cttaggacat gtttgaactg cagcaaaaaa 660
caaaaacaaa aaacagtgca ttagcaattt catagcaagt gcatgcacta ggaaaagaaa 720
actctgtcta caagtttatt agcagaagtg gtggtctgct agacaaataa ttttgcaaaa 780
tttttctaca tctaagttac ctcatcagta agtgccatgt ctctaccatg ccatcagagg 840
ctaatttcct gtaaaagttg tggaaattgt tagamcaata gaaaaatага gcagtgtatg 900
tgtgccaaac tcatcattac tcaagggaga ctgtgttagg acattaagaa gttacactgr 960
catgctttat aggattgttc tgcmgttccg gtattntatt ccacctaagn tttgagtggt 1020
attgnaacgn tgtaatgtgc ccagataagg ttatc 1055

<210> 1709
<211> 1044
<212> DNA
<213> Homo sapiens

<400> 1709
aaaaatcttc tagaggaaat actcaagcaa ctagtcattc ttttgatgtc agagtgctaa 60
cgcagttgct cctgaattca gaccacagat ccacagccac agtccagata tgtagcggtt 120
ctgtaaacct taagggtgct gtgaaatgca gagcttatat ccacagcagt aaacccaaag 180
ttaaagatgc tgtgcaggca gtaaagaggg atatattgaa cacagttgct gatcgttgtg 240
aaatgctatt tgaggatctg cttttgaatg aaattccaga aaaaaaagrt tctgaaaaag 300
agttccacgt cctcccttat cgagtctttg ttcccttcc tggatccact gtaatgttgt 360
gtgattataa atttgacgat gagtcagctg aagaaatcag ggaccatttt atggagatgt 420
tggatcacac aattcaaata gaagatttgg aaattgcaga ggaaacaaac acagcttgta 480
tgagttcttc tatgaatagt caagcttcat tggacaacac agatgatgaa caaccaaaac 540
aaccaattaa aactacaatg ttattgaaaa ttcagcaaaa cataggtgtg attgcagcat 600
ttacagttgc agtccttgct gcgggtatct cctttcatta cttcagtgat tagggtgagg 660
cacaaagagt ttcttgatca tccagagaac attgacagac aattatgaat aataaagatg 720
ttaacaatcc atctgtattt aaaacactag cagccagatc tgctgccatg atgcctattt 780
ggtgtgtttc tgattaaaat gaaatcacaa gctgccttgt ttagcctgct ttacattgta 840
ggtggcccgc atttccagaa ataacgttat gcatctagat ggaagctgca tgtaacaaat 900
cattattatc tatttttaaa agcttcaaaa tgatgggata tgatcataga ttttagtctt 960
actaatctga atcacatatt aatcaggaca ttaaaaactt taacagaggc atgatggctc 1020
acacggtata atcctaatgc tttg 1044

<210> 1710
<211> 895
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (863)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (883)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (889)
<223> n equals a,t,g, or c

<400> 1710
aattcggctt cgagcggccg cccgggcagg tgttctaaag ggggatggcc aaggggtgac 60
atcttaattc ctaaactacc ttagctgcat agtggaagag gagagcatga agcaaagaat 120
tccaggaaac ccaagaggct gagaattctt ttgtctacca tagaattatt atccagactg 180
gaatttttgt ttgttagaac acccttcagt tgcaatatgc taatcccact ttacaaagaa 240
tataaaagct atattttgaa gacttgagtt atttcagaaa aaactacagc ccttttttgtc 300
ttacctgcct tttacttttcg tgtggatatg tgaagcattg ggtcgggaac tagctgtaga 360
acacaactaa aaactcatgt ctttttttcac agaataatgt gccagttttt tgtagcaatg 420
ttatttctct tggaagcaga aatgctttgt accagagcac ctccaaactg cattgaggag 480
aagttccaga accatcccct ttttccattt ttatataatt tataaagaaa gattaaagcc 540
atgttgacta ttttacagcc actggagtta actaaccctt ccttgtatct gtcttcccag 600
gagagaatga agcaaaacag gaatttggtt ttcttttgat gtccagttac accatccatt 660
ctgttaattt tgaaaaaata taccctccct ttagtttgtt gggggatata aattattctc 720
aggaagaata taatgaactg tacagttact ttgacctatt aaaaaggtgt taccagtaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aangggcggc cgttttaaag ganccaagnt tactt 895

<210> 1711
<211> 1614
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1614)
<223> n equals a,t,g, or c

<400> 1711
tggggatgaa aggatctctg agaccacaga ggctcagact cactgttaag aatagaaaac 60
tgggtatgcg tttcatgtag ccagcagaac tgaagtgtgc tgtgacaagc caatgtgaat 120
ttctaccaaa tagtagagca taccacttga agaaggaaag aaccgaagag caaacaaaag 180
ttctgcgtaa tgagactcac cttttctcgc tgaaagcact aagaggtggg aggaggcctg 240
cacaggctgg aggagggttt gggcagagcg aagacccggc caggaccttg gtgagatggr 300
gtgccgccca cctcctgcgg atactcttgg agagttgttc ccccaggggg ctnctgscac 360
nctggnagaa ggaagctgcc tggtgtggag tgactcaaat cagtatacct atctgctgca 420
ccttcactct ccagggtaca tgctttaaaa ccgacccgca acaagtattg gaaaaatgta 480
tccagtctga agatgtttgt gtatctgttt acatccagag ttctgtgaca catgcccccc 540
agattgctgc aaagatccca aggcattgat tgcacttgat taagcttttg tctgtaggtg 600
aaagaacaag tttaggtcga ggactggccc ctaggctgct gctgtgaccc ttgtcccatg 660
tggcttgttt gcctgtccgg gactcttcga tgtgcccagg ggagcgtgtt cctgtctctt 720
ccatgccgtc ctgcagtcct tatctgctcg cctgagggaa gagtagctgt agctacaagg 780
gaagcctgcc tggaagagcc gagcacctgt gcccatggct tctggtcatg aaacgagtta 840
atgatggcag aggagcttcc tccccacttc gcagcgccac attatccatc ctctgagata 900
agtaggctgg tttaaccatt ggaatggacc tttcagtgga aaccctgaga gtctgagaac 960
ccccagacca acccttccct ccctttcccc acctcttaca gtgtttggac aggagggtat 1020
ggtgctgctc tgtgtagcaa gtactttggc ttatgaaaga ggcagccacg cattttgcac 1080
taggaagaat cagtaatcac ttttcagaag acttctatgg accacaaata tattacggag 1140
gaacagattt tgctaagaca taatctagtt ttataactca atcatgaatg aaccatgtgt 1200
ggcaaacttg cagtttaaag gggtcccatc agtgaaagaa actgattttt tttaacggac 1260
tgcttttagt taaattgaag aaagtcagct cttgtcaaaa ggtctaaact ttcccgcctc 1320
aatcctaaaa gcatgtcaac aatccacatc agatgccata aatatgaact gcaggataaa 1380
atggtacaat cttagtgaat gggaattgga atcaaaagag tttgctgtcc ttcttagaat 1440
gttctaaaat gtcaaggcag ttgcttgtgt ttaactgtga acaaataaaa atttattgtt 1500
ttgcactaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangggg gggn 1614

<210> 1712
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<400> 1712
aattcggcac gagtagatat gaagatacca ccaccaccac caccgctatc catacctagc 60

ctaaagatgt agagccctct gctggggctg aggaggagct gtggggtgct ttctaagtag 120
actttccacc agcccgtctg gtttgtctag tcccattttc accccacatc cagagttact 180
attattacca actcctgagc atttgcagga ttctgtagta tgaattggga tgcttcttgg 240
ctttccctac agccagctta gaattgtgct ttctcaggtc tactaagttc aataccatcc 300
ttcagcctgc tctccagttt ccaacatgtt actgttaagg ccttttccct cattttctat 360
cattgtgagt atgtgccctt tgaaaaccct tttgctgtca tttttgtggg atttggtgaa 420
gaagcagtgg taaatgcatg tattattctg tcatctaagt gttcaatgtt agctcttctc 480
ataagtgggg atgttaggnc tcagttgctt tctctgntga aatgaggngg 530

<210> 1713
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (625)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (724)
<223> n equals a,t,g, or c

<400> 1713
gagaattgag gttgcaaggc tggctaactc agctttgcct tcacgagccc tagaggccag 60
ccgaagatgt tctgcaggtc agggagacag gaccaggtaa cccagctgty actgaagatt 120
atatagagtt tgagaatgtt ggaatatttg aaaatgctcc cccaaaaaag ctgctgatga 180
gttctggaaa tgtcaggaga ttaatctata cggacactgc tgaagaaaaa ggtagaagaa 240
taaaagatcc agtacttctt cctgggtaag cagttatgac cagagatgga accggcaact 300
ctttggccag aaagctgtat ccaaaagaca gagaagatga gaaacaggga gggcaaaggc 360
gaaaaagcaa ttggacatga tagctagatt tgtttcagga aaacatcctg ctttccaagg 420
atttagatga atgtttttgt tcactggtga ctcaggtaac acgtcttnca agaagccata 480
ggggaggttt gagggaggga agtcaagaag ggaggttgag gactgcactt ttgatttact 540
tctgacttca cgagtcactt tctggccaaa gnaaatctct ccttttgctt ctagcaccga 600
ctagatttcc cttcagcctt gatgnatttg gactccccag aaattccgaa aagaaaactg 660
agttccccac aaaagctctt gttctgatcc tgggagcttc gccagcccca gttccaatta 720
atcnttcc 728

<210> 1714
<211> 1595

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1595)
<223> n equals a,t,g, or c

<400> 1714
ggcacgagga aagctccaca cacacagccc agcaaacagc agcacgctgc tgaaaaaaag 60
actcagagga gagagataag gaaggaaagt agtgatggat ctcatcccaa acttggccgt 120
ggaaacctgg cttctcctgg ctgtcagcct gatactcctc tatctatatg gaacccgtac 180
acatggactt tttaagaagc ttggaattcc agggcccaca cctctgcctt ttttgggaaa 240
tgctttgtcc ttccgtaagg ctattggacg tttgacatgg aatgttataa aaagtataga 300
aaagtctggg gtatttatga ctgtcaacag cctatgctgg ctatcacaga tcccgacatg 360
atcaaaacag tgctagtgaa agaatgttat tctgtcttca caaaccggag kcctttcggg 420
ccagtgggat ttatgaaaaa tgccatctct atagctgagg atgaagaatg gaagagaata 480
cgrtcattgc tgtctccaac cttcaccagc ggaaaactca aggagatgtt ccccatcatt 540
gcccagtatg gagatgtrtt ggtgagaawc ttgaggcggg aagcagagaa aggcaagcct 600
gtcaccttga aagacrtctt tggggcctac agcatggatg tgatyactrg cacatcattt 660
ggagtgarca tcgactctct caacaatcca caagacccct ttgtggagag cactaagaag 720
ttcctaaaat ttggtttctt agatccatta tttctctcaa taatactctt tccattcctt 780
accccagttt ttgaagcatt aaatgtctct ctgtttccaa aagataccat aaattttta 840
agtaaatctg taaacagaat gaagaaaagt cgcctyaacg acaaacaaaa ggtaaaatct 900
gatggtggtt aaatgacgat gtttaggttt tgataaattt agattttata cacatgatag 960
agcatgtatc tgtattttta aaaataaaga cagagaactt atgtttagaa caagagaagc 1020
catttggtag aaataaagaa ggagattggg gaaggagatg agaatgagtc agagagatag 1080
catttaaaac ttgaaatcag gcacaacaat tagtatgtca tgatataaac agtattgaga 1140
taaaatttta ccacttctct tyccttttaat aaattgtcaa aggataaagt ttcctgtttg 1200
aaaatatatt ttactggtat tgtgctttcc tcatatcaca gattggtaaa gaatcatttt 1260
aagtccaaga ctcttatttt acatattctg caattaaagg tcctatgagg ctacctgccg 1320
actgctgaca tgtagtgtgt ggtaaatgtg agtgtttcac agcctggagt gaacaggggt 1380
cttctctgag aattgaggtt gcaaggctgg ctaactcagc tttgccttca cgagccctag 1440
aggccagccg aagatgtctg caggtcaggg agacaggacm aggtaaccca rctgtcactg 1500
aagattatat agagtttgag aatgttggaa tatttgaaaa tgctccccca aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anggn 1595

<210> 1715
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 1715
aaagtagggt ccggaattcc cgggtcgacc cacgcgtccg cttgctagtg tcccctgatg 60
catgaaggat ccccccatgt cataggtccc acctgcctgc tgtgcatccc gggtggccag 120
actcggcttc tccaggtgca cttgtcccag gtggcccggt ccgtangctg raagggcagc 180
tgcaggtgca ctgcctcgcg gacaggttag gatatggcca cgcagccatc catcttctac 240
agcacgcaca ccccactctc tcccccagtc aatatgtctc tctccgatgg gaaagttaat 300
aaattttgct ctagattaaa agtattgaty atttcatttg taaacgataa ataaaaaggg 360
ggaacttttc attgcgccag gggtggcacc tggcgtgtgt tgcgggggtg attgcgctgg 420
ctgccggggg gtgggcttct catatgcatt ctggccggcc agctgcattg atttcctatt 480
agtctcccag caccacccag taacacatca tttcagtacc tgctattaat ggtcttttga 540
taaataatca cttgtaagtc aataaatttt tattaaacag traaaaaaaa a 591

<210> 1716
<211> 1974
<212> DNA
<213> Homo sapiens

<400> 1716
tacttttatc tttcaaaaca aattcactaa aaataacacc tattgatttt gaagtcactt 60
ttctcaaacc ttgaaaatga gctctaggat ctctataaac atttctaaca cttttcctgt 120
agtttatata gacagacatc tgttgttaga cctgtgtgtt tttaaagaat catatgttaa 180
caaataccca tgcaaagagc ttcaaaaagt gaaaccgtgt taaaggaaca caatttttct 240
cactcagaca tatttgttta ttgaattgca aagttttatt ttaaatcagc atttccccaa 300
agaatatatc atatgacgct agttccaagg ggcttgactg agtggtgttt tgctgggggg 360
agacaggggt ttgttaatac actttactaa atactgagct gaaaaatgtt aaatagattt 420
cacgattgcc tccttgaaga ttttaaagtt cattgtggtt cttcaaggcg aaatccggtg 480
aaccattcct cacacttacc tacaggactc ttttctaatg gagcatcttg tgaagctagt 540
gggtttttt gttgttgtta tttgtttttt ttttttaatg ctttagaaaa cacagcttta 600
ggatattgac tttttgttta tttctatttt caaatgctga aaagtcaagt cccagtttga 660
ataccataga aaagctttga tgcatttgta aattatattg cactctttca ctatatattt 720
tcaaaatcac tggaatgttg ttatacaaga gaattataat tgtgtattgt aaataacata 780
ttaaaataca tatattaatg ccaatagtta aattcaacaa tatgtaatct aaggtgctcg 840
gttctacatg aagtatgagt taactgctca taattaagtt gccaagattc tattatatat 900
ttatagacaa attaaaatga tcataattac aaatatgrtt tctttatcac ttaagctttg 960
ggctgattaa tatctgtgtg ggggtcaatg gaaactacat tctctacatt tataaacatt 1020
aatttaatta tttatatttt aggaaaatat atttgaataa aattaatgca ttttctagag 1080
taaattaaaa tgttattagc aagaaataga aaatttgact aagataattg tgtatatgaa 1140
tcatttttcc cccaagttaa aatgtatcat aatagagagg ctctaatgaa tcaatttcca 1200
atactcattt ctttcttatt ttgaattcaa gttacaatga ctttacactg tagattttaa 1260
tcttgtctga tgtgtgctgg tgtgtatgac acaaactcat aagtctggat catgcttggg 1320
tacagtcaat gaatcaaccg agtcactttg aggaatttgt ttttgtccaa tttgctctgt 1380
gctcaatccc atgaattatt aaatttacaa tgtttgtccc caaatgaaaa ccaatataaa 1440
tgaatgatgt tttaatctgt actttatggg aagttgccta tttgtcagta gatgtggtta 1500
agtgagtcct ctggtgcagt gacatccttt taagccatct catagggatt taaagaaggc 1560
caataggaat atagatattg gtttttcttt ctctgacttg aactaagtag gagaaaccaa 1620
accataaacc tattacaaac tacccaggca gaggcattta cttaattcat caactagtgc 1680
aattaaaacc ctgaaaacac atgatccttg ttgactctgc ttggttgaag caggaaagaa 1740
tggtcttgat ggtcagaaag ttttaaaatt aatggkcagg gcctttctgg accctgtttt 1800
ccaaacacgt tagatattcc gtcttgaggg gattggagta ggctacagtg agggggtaat 1860
ttttggatgt atctggactt ttaaaaaatg tgcctatatt tatagcacca tgaatattat 1920

gtaaaattta tatatgaatt aaataaatat tcmcctctga aaaaaaaaaa aaaa 1974

<210> 1717
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<400> 1717
cganacntcc tcactaaagg gancaaagct ggagctccac cgcggtggcg gccgctctag 60
aactagtgga tccccgggc tgcaggaatt cggcacgagc ttctttctcc cgcgcttcct 120
tgtactgtgc attcctcatc aacgatggct tctcggactc cacgaaactg cgctgtactg 180
aagggcgaag tggatctgac cgcactggcc aaagagcttc gagcagtgga agatgtacgg 240
ccacctcaca aagtaacgga ctactcctca tccagtgagg agtcggggac gacggatgag 300
gaggacgacg atgtggagca ggaaggggct gacgagtcca cctcaggacc agaggacacc 360
agagcagcgt catctctgaa tttgagcaat ggtgaaacgg aatctgtgaa aaccatgatt 420
gtccatgatg atgtagaaag tgagccggca tgaccccaty caaaggaggg cactyttaat 480
cgkccgscag accccagatt actacagatt tctccatcta gcgggaacaa cagtgacatc 540
tgtgggggg attttcctg 559

<210> 1718
<211> 834
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (778)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (830)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (831)
<223> n equals a,t,g, or c

<400> 1718
tgtgtaatat gttctgtgtg agcctctgca ttaaactcga tttcttgggc aattatggaa 60
attccagtgt ggctgcagtt taactttgca ctctctatgc atatgaggtt tcctaaataa 120
atgaggagta gcatagttta aaatatatat atcttataac tttctacaac aaagaattat 180
tgagtccaaa tgtcatcagt gctcattttg agataccctg ctatcgatgg tcgctacaaa 240
ccaggaaata ctcaagttat tatgtgtata cattggtttt agttttatga aacaatttac 300
cttcatgatc tcatagttaa aattgtaata aatttaggaa tataaaggat caatatggga 360
agcaaaattt ctaaaggcag tttctgttgt tttaattagt atttgtgtag ttcaaaccag 420
gaaggatttg actatcatta gattttgctt aactttatga aagctaaaat attctctgtt 480
ataaaggggc aactccatct ggtcctatag catctttact actgattttt ttttktttaa 540
tttgaaaatg caaagaattg ttaaatgttc ttaaatgttc tcactacaaa aaaagaaaaa 600
agataactac gtgaggtgat ggatatgtta attagctgga ttgtggtaat cattttggaa 660
tgtatatgta tatcaaaaca tgtagtacac cctaaatata tataattttt atttgtcaaa 720
tatacctcaa taaagatgga aaaaaatcga aaaaaaaaaa aaaaaaaaaa aaaaaaanaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan naac 834

<210> 1719
<211> 806
<212> DNA
<213> Homo sapiens

<400> 1719
gaaaaaagaa aaattgaaga acataacttt tctacttatg aaatagataa ttttttaaaa 60
ttgtttaaac tcctggaaat taagtgttat tttttattac tgcagttgag agataccttt 120
tcagaggaaa acaagaggct aaattccatg ttaagagcta agtagtattt ttttcttaac 180
aattttgcca aaatttcttc tactggacca aaaggaaata aatctacaat aaatctactt 240
tctaaatatt atttaagatg ggaaatgtct tttataggta tattctgtat aataccctta 300
attagatgaa ttatccctta tcattccaaa aatgaaatgc tgtgttaaat atctccaggg 360
caaagtggta tgttgactgg gacaaacgtt agaaattgta ttgttcattg cacttgttgc 420
cctgttcccc aagcttgtca atgtttagag atactattcg ggttgctaaa gccattattc 480
atagaaaatt tctgccccta cagaagtgtg tgcatgggcc ttggaaaatc tacatgtgta 540
tatctgagta gcgaagcaca gattcactct aattgaaagc agcagtttgg ttttgtaaat 600
gtaattgcaa ttgacacttt cttttccctt tcagttatta tttttttaa aggacgttat 660
gagaaggcac tatgaaaagc ctaattggaa tagcattatg aaccatgtaa tgcatgccca 720
tgcacactgt gatttgcaaa catatgtccg ctcttcaata aatgttacgg ctttccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaa 806

<210> 1720
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<400> 1720
gccagatcta tttgcacatc gagaggttcc tctgtccctg catgggctca gtgaccttat 60
cccacctcac tcccaattcc aggtagttga gcaggatgag gctgctccca gcccactgcc 120
acatccagat tcagctgctg agtttatccc acaggaaaga ggtagcactg acagcgtgca 180
cgcctgtggg tgacgcatga tcctcaggag cagttcacca tgcgctgagc agggccagta 240
ggaggcagct gtggaaggcc aggtacagca gcttcatggt caccaaataa gcctgacact 300
caagcagaca gcagccaccc ccatgcagcc tcagctgcag ggccccaggg ttgctggcta 360
cggcaggagc agcttcagtc atacgtnttg cacaggcacc catctgcctg aaccctgatc 420
cctgtgtnan gcaaaaaatg ttattttaga aaaaaaggga aggttttttt aatactgacc 480
taacttttng ttttattaaa ctnaa 505

<210> 1721
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (637)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

<400> 1721
gagntcagcc tcactaangg aacaaaagct ggagctccac cgcggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagg tccggcgggc cgcgcctccc 120
gcaggcccag aagacggccg ccttgccccg gacccgcggc gccggcctct tggagtcgga 180
gcttcgcgac ggcagcggca agaaggtagc agtagctgat gtgcagtttg gccccatgag 240
atttcatcaa gatcaacttc aggtactttt agtgtttacc aaagaagata accaatgtaa 300
tggattctgc agggcatgtg aaaaagcagg gtttaagtgt acagttacca aggaggctca 360
ggctgtcctt gcctgkttcc tggacaaaca tcatgacatt atcatcatag accacagaaa 420
tcctcgacag ctggatgcag aggcactgtg caggtctatc agatcatcaa aactctcaga 480
aaacacagtt attgttggtg tagtacgcan ggtggataga gaagagttgt ccgtaatgcc 540
tttcatttct gctggattta caaggaggta tgtagaaaac cccaacatca tggcctgcta 600
caatgaactg ctccagctgg agtttggaga gggtgcnatc acaactgana ctcanggctt 660
gttacttaag tattcactg 679

<210> 1722
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)

<223> n equals a,t,g, or c

<400> 1722
gcggackcgt gggaccgagc ttggtaagca gaatagaaaa catccagaat gacatcagtc 60
tggtaagctt tgaaggaaac aaccaaagat ggtcaacaca actgcttgtt cttttattta 120
ccatttcaca cctggtgcag tcaggaagct acatttaaaa aacaattttc tctttaaaaa 180
gaaaaacaac ccgtagtcaa aaaagcactc atttgccata aagctggaag gattcattca 240
ttggagctga ttgttcacat ttgtagaatt tagaattttg tggttggaag gggccttaga 300
gttgaataag gtcttcaaaa ggaaacaaaa ggctcttgct ttctgtatga acagagttta 360
ttcacaagtc agttttccgt gatctatgag gagtgatttc agacaattag ctaattggtt 420
gaggcaggtg acctatcagc tctgkararg ggatgkttgc tcttagggat ctacmtaaag 480
aacatatctt acactttyca tgacagtcaa aagcagcccc attaatcctn ctatgkaatg 540
gccagtcata accacagatg angagtgcat ttcatgaaaa cccttaacag ctgtnaacag 600
ttgatcactg gcnccatta 619

<210> 1723
<211> 852
<212> DNA
<213> Homo sapiens

<400> 1723
ggttactttc ctgcgattat aattcttcct tgactttgtt cactttagat gttttactag 60
tgagttttga tgactcccac cccttatgtg agaatgtgca tactttggaa acttgaattt 120
atccaaacaa gctacctatg acttagagtt tgggcataag ttttaaattc aatgctcaag 180
tcgaactgga tctggtccag gcccactcca agggtggttt caggggtgtt ttttcagkac 240
ttgtcccaga ccacacaggt agscttgktt ctgarggcag ctttatgggr aggtgtagaa 300
ggtggtgggc agcaaatgca ctgcagagtc attttcttgg gtatggtgtt taagaagcct 360
gagattttca caagaaccag caaaaccagg agtggagagt tggggagata gagaagtagg 420
cctaaaactc cctcttcttg agtctttttt gacttaatac accattgggt ctgtcctggt 480
gctatggcct atcacaaagg actgttttaa gagagaagca agccacagcc ttgccagata 540
agtctccaac accagcagaa aagcacggac cctgatctgt gggaggcaag ggtctcccat 600
tatttctgga ggcaaatggt gccttctagt gaaatggtgc caccatttgc tgatgggggt 660
gcctgttctc aggatgtgtg gaaactcagg cctgagggtt tctacatggt ttattcaatc 720
taactgcata cctagcttgg cagaatggag gtggacaaaa gtgctgaaag gatgagggta 780
ggcttttagg gcaaatcaag tcacaaagca gatgattgag ggaggttaca aagcttaggc 840
agagttaaag tt 852

<210> 1724
<211> 697
<212> DNA
<213> Homo sapiens

<400> 1724
catcagaccg accagcccaa gaaacatctc accaatttca aatctggcac ccactggaaa 60
tcagactgcc cagctcgccc gacagccact cctggagccc ctaaagctct agcccaaggc 120
tctctgactc cttcccagat ctattcggct tagcgactga agattgacgc tgcccgatcg 180
cctcggaagt cccctggacc atcacagaag ccgagcttcg ggtaactctc acagtggagg 240
gtaagtccat cccctgttta atcgatacgg gggctaccca ctccacgttg ccttcttttc 300
aagggcctgt ttcccttgcc cccataactg ttgtgggtat tgacggccaa gcttcaaaac 360
ccctgaaaac tcccccactc tggtgccaac ttggacaaca ctcttttatg cactcttttt 420
tagttatccc cacctgccca cttcccttat taggccgaaa tattttaacc aaattatctg 480

cttccctgac tattcctgga gtacagctac atctcattgc tgcccttctt cccaatccaa 540
agcctccttt gtgtcctcta acatccccac aatatcaccc cttaccacaa gacctccctt 600
cagcttaatc tctcccactc taggttccca cgccgcccct aatcccactt gaagcagccc 660
tgagaaacat cgtccattct ctctccatac caccccc 697

<210> 1725
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 1725
ctgtgaggtg aggcaggtgt ctagattccc tactcagctt acattaagtc caaaatgtgg 60
ggacgctctt tattactgcc tggtggggat ggaagtccat tgacactgct gggagaagga 120
ggttcatgct ggccagttgg gatgaaagtc ttagctcccc acttggtctt ccctgacacc 180
actgcagtgg ggtgttgggg tgccccttta cagccttttg agtgtgggat tctaggatcc 240
ccacttgacc ttccctggtg tgggcagagg ttttttcttt ggtgtctgtt gggagtagag 300
cagctgtcat ctaaaagttt tctgtcttgc tgggacgtcc tgttctggtc ctttagctag 360
agagagcatt cttttgttag tacttttttwt gctgtgtctg ttggcattty catgttgctg 420
gctttttcaa ctncaactct gggatatatg ntgtaaaaag aaaaccca 468

<210> 1726
<211> 482
<212> DNA
<213> Homo sapiens

<400> 1726
gattgaggcc aaagttataa agatgggctc tcgatctact aatattagta aaatgggttt 60
gggacttact aacatttgtg cttagaagag acagacctgg caaagagctt ggagaagtga 120
gttccaaaga gagaggtgtg ggaaccagga tggaagagtc aggcctccag atagcgttta 180
cttctccttt cttccttgaa tcactgtctc asagataatt aggttcagaa gaggaggaaa 240
aaaaagatga ccgtcaacat ggagcagagt ttttcttaga ccttagccta gcaaggaaag 300
agaaatgcct ggtctcagtg ctgggaagct gttycagcca gagccccgtg gctgtgaaga 360
gagctctcct gyctggagcc aaacagaaag ctcataggtc ttgaggccag aaaagttagt 420
aggtggcggc tctggtcggt gctggaaatg gaggccagga tgaactaaga agcaaactaa 480
ag 482

<210> 1727
<211> 1897
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1202)
<223> n equals a,t,g, or c

<400> 1727
gctgctgcag cagcagctgc tctgcagagt ggtggccggg gccagggccg gggtgccctc 60
cctcccacct tctcccgcca tgagccaggg aagtccgggg gactgggccc ccctagatcc 120
cacccccgga cccccagcat cccccaaccc cttcgtgcat gagttacatc tctctcgcct 180
ccagagggtt aagttctgcc tcctgggggc attgctggcc cccatccgag tgcttctggc 240
ctttatcgtc ctctttctcc tctggccctt tgcctggctt caagtggccg gtcttagtga 300
ggagcagctt caggagccaa ttacaggatg gaggaagact gtgtgccaca acggggtgct 360
aggcctgagc cgcctgctgt ttttcctgct gggcttcctc cggattcgcg ttcgtggcca 420
gcgagcctct cgccttcaag cccctgtcct tgttgctgcc ccacactcca ctttctttga 480
ccccattgtt ctgctgccct gtgacctgcc caaagttgtg tcccgagctg agaacctttc 540
cgttcctgtc attggagccc ttcttcgatt caaccaagcc atcctggtat cccggcatga 600
cccggcttct cgacgcagag tggtggagga ggtccgaagc gggccacctc aggaggcaag 660
tggccgcagt gctattcttt cctgagggca cctgttccaa caagaaggct ttgcttaagt 720
tcaaaccagg agccttcatc gcaggggtgc ctgtgcagcc tgtcctcatc cgctacccca 780
acagtctgga caccaccagc tgggcatgga ggggtcctgg agtactcaaa gtcctctggc 840
tcacagcctc tcagccctgc agcattgtgg atgtggagtt ccttcctgtg tatcacccca 900
gccctgagga gagcagggac cccaccctct atgccaacaa tgttcagagg gtcatggcac 960
aggctctggg cattccagcc accgaatgtg agtttgtagg gagcttacct gtgattgtgg 1020
tgggccggct gaaggtggcg ttggaaccac agctctggga actgggaaaa gtgcttcgga 1080
aggctgggct gtccgctggc tatgtggacg ctggggcaga gccaggccgg agtcgaatga 1140
tcagccagga agagtttgcc aggcagctac agctctctga tcctcagacg gtggctggtg 1200
cntttggcta cttccagcag gataccaagg gtttggtgga cttccgagat gtggcccttg 1260
cactagcagy tctggatggg ggcaggagcc tggaagagct aactcgtctg gcctttgagc 1320
tctttgctga agagcaagca gagggtccca accgcctgct gtacaaagac ggcttcagca 1380
ccatcctgca cctgctgctg ggttcacccc accctgctgc cacagctttg catgctgagc 1440
tgtgccaggc aggatccagc caaggcctct ccctctgtca gttccagaac ttctccctcc 1500
atgacccact ctatgggaaa ctcttcagca cctacctgcg ccccccacac acctctcgag 1560
gcacctccca gacaccaaat gcctcatccc caggcaaccc cactgctctg gccaatggga 1620
ctgtgcaagc acccaagcag aagggagact gagtgcctca gcctctcacc ccctcctcct 1680
cagggcagcg ctaggggcct cccctatgcc tcagccccat ctctgctcct gtttgaattt 1740
tgttattgtt gtttggttgt tgtttttta agttgatttt aatttttgt ttggttgatt 1800
tttttgtaaa aaactatttt atatataaat ataaatctat atctatatct attaaaaaaa 1860
atgaagtcca aaaaaaaaaa aaaaaaaaaa aaaaaaa 1897

<210> 1728
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<400> 1728
gcagatattt ttcataagat aaatacccac agtgtatagt aatgaacctg gataataaat 60
atcttccagc aaatatttta cttagaagac gattatattt tttaaatttt gagattaatt 120
gaatatatac aaacagaaaa ttaggtacaa atttattatg tttatggctc ttatacaact 180
atcaaggtaa aggaaattta ccaattaaat acaaagtagt aaaattcaaa atcacaataa 240
ttaataatgt tctgctgcta caaaatgaga tgttgggttt aataatagaa ggaagtagca 300
ctgttgaaat agaattaaat gggtcttgaa ttcatttgtg attggaatca gaagtcgcga 360
gttctgaaag ggtaaggttt actgcaacat tgctaataaa taatttcaag atgaaatata 420
caaagatgag atccaagctc taacatttac ttgcaacatg aatatggnac tgggttcttc 480
tccgncccca tctcattccc cctnctctnc tgctgctggt ngg 523

<210> 1729
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 1729
ccggtccgga attcccgggt cgacccacgc gtccggtaaa attgnttttt ntataccaat 60
atatgcatgt tttgtgcatg agtagtactt gtgttgatac tcctgttgat gttaaattac 120
tatataatat aaacagtatg tgtttttata tatcattgtg taaatttaat ataacatatg 180
cagtaataaa ccatttgttt tactgctgtt aaaaaaaa 218

<210> 1730

<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<400> 1730
gcaaaagtgt gcacagactg tgatttattc attgtggtct gtgactttaa cccatcattg 60
atgctctcac ttaggtaaac cctaaagacc aaactagcaa cactagtcaa gggagtgact 120
ggagttattt ctggtagcag tagccactgg catcctagaa acacatggac atttgtagca 180
tgaattgacc tattggtagt gcaatagcta tacatgattt ttattcttgg caaaagaaaa 240
tgcttcaaaa aaaaagtgat caaacctgca cattgatcct gtaatagcaa atggaaggct 300
atttctctgt actagcattt cagctttatg tgggaaagtt acccgttctc ctgcaagtac 360
aatcaaccct tgatgactta agtattaatt attctgggtg taactcaccc aagntttctt 420
cctacatctt ttggctaatt ccaccacacc tcagcataca gtcagatggg aaaaggggca 480
ggtggattct catgtcatgc cytcttgkac cttattttca agttttgtgg tggargaggt 540
twaatatctg ccaanaatct ggatttttag cccggtgcgg 580

<210> 1731
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (616)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<400> 1731
ggagatttag aagcttcact caaatattaa gctttattta aaaagatgat ttccagtatt 60
tcattttata ttcacattaa tcaagtctac atgtttcgtt tagagtaaca ggaagatggt 120
aatacgccca gggaactatc tggaagtgta gaaattggga tgaacaccgt ggttatactt 180
gttttgatct gcctgtggtg ctatgatgac ttatttttctc tcattattgc atagaaactc 240
aattcagtga tgttattcag atgttattca taagttattg ccatgattca tcacttttat 300
gtcatcagag ttgggatggc tacccanaat aggggatcct ggagatttcc ctgtagacgc 360
tttgcattta taaataatcc tttatcaagg gcagagggat ttctgtagga cttctccctt 420
agaagaactc agcctgggta gaaatacgag gattaacatc agcacatatt catctccaaa 480
aaattttcct ccccattact cacacttgcc aataaataac ttgctttggg taaatattca 540
gcactcagtc ttagtccaaa gcatttgctc agcaatcact gtgtanagta canagtaagg 600
gggataccac aaatanaant ttgctctatt ttcttaa 637

<210> 1732
<211> 423
<212> DNA
<213> Homo sapiens

<400> 1732
cacattttct tgcttctttg catgtttctt aatttttttt attgaatgcc aggcattgta 60
tgtaaaggaa tagtagacaa taaagtaata ttaatgacca gaaraaaatc atttctcctt 120
agtcttatta ggccactagt gggctggggg gtggggagaa gggtggtgct gactgaatca 180
tttaagtgat tttaatttgt aatatatttg catgtattag ctgcttctac taatcactta 240
tttgtccata agccttgcat ctagaaatat ggcaatatag gaatattact gctttctgaa 300
gtttcatatg cttctcacct tttattttat gtttgatgat tttaatattt ttcctgcatc 360
agagtagtag gaatatcttt gcaacattaa gaaatacttg gtatgggtta cttacttaca 420
ccg 423

<210> 1733
<211> 1281
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1277)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1278)
<223> n equals a,t,g, or c

<400> 1733
agtttgctgg tcttccaata ccgaagaaag ggtggttgtg acaatacctc ttgcttctaa 60
agaatgtatt ataaaacacc gcagattttt ttttttcctt aaaaaacact acctgatgct 120
ttccttgttc gtggggattg tggtcacatg aagctctttc tgcatcagta ttaaggtgta 180
tatttgaatg tcctcccctc ccctttcccc tccaggctgt gtagctttga ggggctgggc 240
gtttgctcac gaccttgctg tctcgctcag aacatgctcc gcaaagttct ccgcacacac 300
ttcttcccca tcaagcccat ttccttcccc aaccacaaag gtgtttgtga ttcctcaccc 360
cgggaaacca aggagctgca aagkggagtc tggttcagcc ccgtgcagac tcacccagag 420
cttaancgtt gtctttcaaa caccctgagc cttcctaaac agccagtgca gacgttctct 480
ctgggccacg aagcccctcg ggtcctcccc gtcccctgst ccgatgcata cctcagtgca 540
gaaccacaga atctctgcag cggaaacgcc gtgcatctct tgtctgttgg cagcgagcac 600
atcgtgctgs gagacacgag tttctaagca gctggcacga gggctgctga cggcatgggt 660
cgtgcttcag ggtggcaata cctcttagga acttagggca ggaagcaata cttcagcatt 720
gaatgtgtgt aaatagttgc tttgagttgc aattgctatt ttcttctcag tcccagctca 780
gatcgaatta tatatccata tatatatata tatatatata tggtaaacaa gcacacacaa 840
ttttatccaa tgcaaacaaa tgtagagcat cagttacaaa accctcgaat agcttgagag 900
ccccacaggc tctgccacac ccgtgacttc atccacactg acgtcacccg cgggggctcc 960
ccctgcacat ttgcacacga tccggagagc cgaaggccgc gtgcttcctg tcacatgggc 1020
tgtaatcatt tgtagtttcc aaagacacgt ctgcatttga atttctagat tttcgaggta 1080
aggagttttt tttaattggt tgtttggaaa atcacatcat gcctagaatc tgaaattgaa 1140
ttagcaagaa ccgactgttt gcattttcca tatatccttt tatctgctct ttttaaattg 1200
ttaattctaa taatttcaaa atgcattcac tgaagaaatg gacattaaaa tattctaaaa 1260
tttaaaaaaa aanaaannaa a 1281

<210> 1734
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<400> 1734
gttttaagaa tgcagcatgg gtctggcttt ggaattgant tcaatgctac agatgcgtta 60
agatgtgtaa acaactacca aggaatgctt aaagtggcct gtgctgaaga gtggcaagaa 120
agcaggacgg agggtgaaca ctccaaagag gttattaaac catatgattg gacctatrca 180
rcagattata agggamcctt acttggagaa tctcttaagt taaaggttgw atctatatga 240
tctgttgtag gtacagaaaa attgaaagcc agaga 275

<210> 1735
<211> 1031
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (796)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (821)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (976)
<223> n equals a,t,g, or c

<400> 1735
gagccaatct tgatggtggg tgtggcatta tgtgctcact ttattgagcc tatgttaatt 60
tctttagcat gctcccccta aattgaaata gtgatgtagt aaatattcag aagcgatttt 120
cttttgcatt tttacctaac caaggaaacg ggccacacac cttggtttag ggatgttgtg 180
atagcttacc ttccagtttt taagaaatgc ttcctrcaac tgctgtcaac cactgtattg 240
tctttaatga acactgttgt atcccatcct aattcttgta ctgaaatyat ttctcatgaa 300
agtttctcta atatttctaa tgaaagtttc tctaatttgg gggcataatg tactaaraat 360
cagtttgctg tatattagaa taaatagtaa cagtaagtca gcaggattat ccaaacaaaa 420
gactaggttt tatgagataa gcttgattta agaaaaaaac aattaaagta tgratatcmg 480
aaatactgtg kgtttactct cagattttag ttggttggat ttaatatcaa gataactagc 540
tgctaagcgt ttcataattc tcacagtgat attagatttc aaaatgacac tgagagaact 600
gaaaaactac atcagtcaaa ttcatgtatg tatatcatat agcctttaac tttttacatt 660
aatcagattc ttagtaaaat gcagmctgta tacctaaata ttaaaatatt tacttttata 720
atcttacctt ttatttcaat ataaataaaa ttcttcttag gttaaaaaat taatttcagt 780
tgtgtttatg ccaganggca ttgccttagt tggtgcaagc nctcaatatg tttcattctt 840
ttttatagtc tttcacattt ataaggaaaa gccttatctc caactgaaac accagtctta 900
ctactacggt tttaaaagtt gttaatgatc cattatctat tataaggcct ttatttacat 960
agcaaattac ttaacnttta ttttgaatat aacagatttt taaacgggga cctttaaagg 1020
agccctaggg g 1031

<210> 1736
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 1736
ccaactgccc gttcaaggcc atgggttgtt tggggcccag gaagtgctga accatgtcct 60
aagggacatt gagctgttca tgggaaagct ggagaaggcc caggcaaaga ccagcwggaa 120
gaagaaattt gggaaaaaaa acaaggacca gggaggtctc acccaggcac agtacattga 180
ctgcttccag aagatcaagc acagcttcaa cctcctggga aggctggcca cctggctgaa 240
ggagacaagt gcccctgagc tcgtacacat cctcttcaag tncctgaact tcatnctggc 300
caggtgccct gaggctggcn tagcagccca agtgatct 338

<210> 1737
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<400> 1737
gacacacatt ataatctaat gagttaagga aaaatgcttt gattcctata caatttttct 60
ataattgctt ttacacatct cattttcaga agcactcctt gtttttttgtt tgttattgtt 120
gctgttggct ttcttgttag ctagaagaag acataagcaa aaaaatggac aaagatgaag 180
aggctttgaa ggcagctcaa gcagaactca rggaggcccg acgccagtgg caccacctgc 240
aagtggaaat tgaatctctc catgctgtgg aaaggggsct tgaaaactcc ctacatgccr 300
gcgagcagca ttaccagatg cagctgcaag acctagagac tgtgrttgam ggwctagaga 360
aagagctaca ggamgttaar rcgckgcawc swaaagcagc tttcaagwgc acgwgatgnt 420
tnttca 426

<210> 1738
<211> 792
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<400> 1738
ctgcgggcgc acacagtacg acacgaggag aaagtgccat gtcacgtgtg tggcaagatg 60

ctgagcccgg ctgacccttt taatttttaa gartgttcaa tccgagatga atcatttgaa 120
gtatttttat atgtatatct atttaaaact aatatattat taaagcttaa ttgccatgcc 180
gtttatcttc tctgaaagaa cttcaaatct tacctgccaa catattcacc atnawttatt 240
ttttaatacc tttcatacaa taacttttt aaaamaacct cagattgaaa aagcaaccta 300
aattactttc gctctctaat cagcatttca atgtatttat ttttaaatgt tctcaaaaag 360
taactaaaaa attgtgtcgg accctacttt tgagaaatct acgtttccca agttttatgg 420
gaactggcta ttccttgtcc cggcacacct tctcattcct tcctttcaga gcctaaaacc 480
tcatttgata agcactccta gtctctggcc tgtggatcca gtgctattct gtcaccaacc 540
taagaatccc aattgcacct tctgtttctg acagtcacag gtgacagctg tgattctata 600
atacagactg gtgtcttaga ggtaggaata atacatgatt atgaagcatc accctgctaa 660
tacataataa tgtcttttta tattataagt gattgagttt agttcattty aatacattgt 720
acatgaaaaa atgaaaagta gaactttgta atactttaat caataaaatt aattaccaaa 780
aaaaaaaaaa aa 792

<210> 1739
<211> 468
<212> DNA
<213> Homo sapiens

<400> 1739
ctacccccct gagactctgg ctttctattt tatagaacta ttttaatgat agtttaaaca 60
tgtatacctg ttactggtta ttttctgttc cccttatctt gggagttcag cataatgctg 120
tgcggatcag gataacaagg tcccactgag gtgaaggagg gaggctggga atgctacagc 180
ctggagtgga ggtgtgattt cagtaggtgg aaggttgtct tcctgaaagg aattggcaga 240
agtagattct tactgattca gatacatttt ccaccaactg aaggaaggaa ttattaaagc 300
caatggtgaa caaagcattt caagcatttt ataggaagtg actagatgag gagatttttt 360
tcattccttt tttaatcagc aaaaaagaaa ttagtattat tgaattagca gattcttcct 420
attctatatt aagaaagatt taatttttgt accaaggaag gttaggtg 468

<210> 1740
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<400> 1740
gcaactagcc acgagttgtg tttcatctga accttcatcc ccctcctcct ggggactatt 60
ttgaaataaa tctaagacat cagggccagg ctcagtgatg ncttaga 107

<210> 1741
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (461)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 1741
ggtttagctc attgttgaaa ctgtttgctt taattcaagt agtctagtgg aagaaagaaa 60
ggtggcatag tagcagttgc agaatgaaac ctggaagaga gaaagctatg tctaacaagg 120
gcagcagctc tgagttgcca gctagttagt agcagttagg atgagaagtg ctgaccaact 180
tttctgtatt ctgaaatctt agggtcaaaa tatatttcat ctgtgtttta actgtgcagt 240
aggactgtaa agttttcaca atactttggc ttttccatat ttgtatggtt tgtatttagt 300
taatcttaat aaaaatttag acttcaagaa aaattgggag aggaggtgwg taattttgct 360
tgctttctcc tcgttggatg ttgggtctca taactctaat attgagggta aattttgctt 420
ttgtaaaatt ggactgaagc taagatcatt ccatgagagg ntcanaanaa cttgcacaag 480
tgcta 485

<210> 1742
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 1742
gctggaattc attggatagc aaccaactct ccaaggcatt gttctcagta cagacctggc 60
ctgagtatcc tccaaatctg aacttttaga gatgaatcca aatcaataga gagcagagtc 120

atagagagtt actgtcagag agcatccagt taaagggtga atgccagagc ccatgtgtat 180
caatcaatag agtgccacat gcctatttga agtattatac caaagtgtga cacgtgcatt 240
ctgcgtttgt gctatcctat gcctatcatt taaagttgct cccaaagtaa gtcatttggc 300
tttccaacaa ggacattttc tttcatttta caacatgcaa tatatttgta acgacctggc 360
atttttctga attnaagttc accacccttt gcaggacnga naangactgc cg 412

<210> 1743
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 1743
aagctggtac gcctgcaggt accggtccgg aattcccggg tcgacccacg cgtccgtnca 60
tgcgtccgcc cacgcgtccg gatctactga gtaaagaccc ctgcctttcc tcccggtcag 120
gggtcctcca gtgcgtgatt tcttggttct ctcaggacat caatgatcat cctttggata 180
ggtagcgaag tcacattttg ctgttaagtg gttgtttttc tattctttgc ccctttccgc 240
agcagcaggt ggggcctcgt ctatgcactg cgctcaggtg cagatggtat cgagataatt 300
gcttgaattc ttgtgcagac ttttgtaatt ctgcagtaga gacaaaagtc ttggaatccg 360
tgctatcaat gtaagaatgt tggaatgctg ttaa 394

<210> 1744
<211> 953
<212> DNA
<213> Homo sapiens

<400> 1744
gtccggaggc agcagtgtcc acctttcaga cccagttgca ccatcttctg caggactgta 60
ttttgagcct gaaccaattt cttccacgcc caattatttg caacggggag aattttmmag 120
ttgtgtttca tgtgaagaaa actcaagctg cctcgaccag atctttgatt cctaccttca 180
gacagagatg cacccggagc ctttgctcaa ttccacacaa agtgctccac accatttccc 240
agacagcttc caggccaccc ctttctgctt taaccagagc ctgatcccag gatcaccttc 300
aaattcctcc attctctctg gctccttaga ctacagttac tcgccagtgc agctgccttc 360
atatgctcca gagaattaca attcccctgc ttctctggac accagaacct gtggctaccc 420
cccagaagac cattcctacc aacacttgtc ctcacacgcc cagtacagct gcttctcctc 480
ggccaccacc tccatctgct actgcgcatc gtgtgaggca gaggacttgg atgctctcca 540
ggcggcagag tacttctacc cgagcacaga ctgtgtggac tttgcccccc cagcagccgc 600
caccagtgat ttctataaga gggaaacaaa ctgtgacatc tgctatagtt aatagaaatt 660
acagtaattc agaacatggc atgggtatat ctatttttct accacgtcta gatgacactg 720
caaaatatgc aacttggtaa cacaatatcc caagcacagt ttacatgtca ctatttccaa 780
ttttctgatg ctaagcattc atatgaagtc ctcagacccg gtcacagcgc cactcctact 840
ttgtatgctc atagtttaaa tttttgtagg aaactttcaa ttgttttact ttttgtataa 900
cgaacaaatg ctgtctcctt ttttactaat aaataatttt gtattactaa aaa 953

<210> 1745
<211> 392
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1745
agttgatcaa aacggaggga caaaaaacgg ggtggggtgg gaagcaggaa acagtctctt 60
aacttctcaa ggactcagct ctcactaagg agnaatttcc tactgtctct ctgggatgct 120
attgtgatat ttaattaatt ggaattcttt tctcttatga ataatttctc tgagcaacag 180
ggtacaattt tgcatataag gcaatagaac tatagggagg aacaagntca aatgcttncc 240
tttcaagaag gtgccgtata cgtcttatat aaaaatatac attccattaa tcttatatcc 300
tctccctaac cactaaaatg caaatgaaaa tatttatata agacgtatac ggcaccttct 360
tcaaatgctt ccttttcaag aaggtgccgn at 392

<210> 1746
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<400> 1746
cctccctgca gnttgagatg tgtcnaagag acaggctcta atacgactca ctatagggaa 60
agctggtacg cctgcaggta ccggtccgga attcccgggt cgacccacgc gtccgagatc 120
agttggcctt atttcctcag tggaaatcta ctcactatga tgtggtagtt ggcgtgttgt 180
cagctcgcaa taaccatgaa cttcgaaacg tgataagaag cacctggatg agacatttgc 240
tacagcatcc cacattaagt caacggtagg ttttctgagt tgttgccttg cctggtttat 300
tgaaataaga gttctgaaaa acctagccag gcgtagtggt gtgtgcccgt cgtcccagct 360
accggggagg ctgaggtgga aggattgctt gagcttggaa aattgaggct gcaktgagcc 420
atgattgcac cactgcattc tagcctgcat gatgggaatg agtccctgcc taatttaaaa 480
aaaaanaaaa agggccggcc nccttttcgg gcggnccccg tttcccagga caa 533

<210> 1747
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<400> 1747
agatgctata aaagtaaaag aatataataa tttgctcaat gctcttcaga tggattcgga 60
tgaaatgaaa aaaatmcttg cagaaaatag taggaaaatt rctgttttgc aagtgaatga 120
aaaatcackt ataaggcaat atwcarcctt agtagaattg gagcgacaac ttanaaaaga 180
aaatgagaag caaaagaatg aattgttgtc catggaagct gaagtttgtg aaaaaattgg 240
gtgtttgcaa a 251

<210> 1748
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<400> 1748
gcatgtgnga gacgtgattc tggaagtgaa cgggtatcct gttgggggac agaatgacct 60
ggagaggctt cagcagctgc ctgaggctga gccacccctc tgcctgaagc tggcagccag 120
gtctctgcgg ggcttggaag cctggwttcc ccctggggct gcagaggact gggctctggc 180
ctcggatcta ctgtagagca cccctgcttg gtacagacat actcaggggc taccgtgtct 240
tcactctcca gcctgaggtg gtgaaggcag gatgctctct ctaaagccag accagaggga 300
ctcagacacc accgatcaca ggctggccca ggtgctccct ccctcctgc ccncn 355

<210> 1749
<211> 832
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (777)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (791)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (799)
<223> n equals a,t,g, or c

<400> 1749
gaaaaaaagg ataaaggaag gacttaagca aaatcttcct tgtaagtaga aggatgtttt 60
gacaagaaaa gttgcaatgg aaaaatggtt ctcatgtaca cgagtatgta gaataagcat 120
cgtgtgtgga ttggattcag atcaaaacat tgcttttatg tttgtgtctt tatacggtgg 180
gagtataccc tggtgcccca ggatgaagac ttgacctgac ccatgtattt ttagattact 240
cacagataac aaaaagtatt ttcatcatga ttagttgcga aaacagtttt atttcaatag 300
gtaaaacgtg cagtcctatg taatcgtcag aaggtaatct taattatagc ttgggtgtgc 360
tttaaactgc aagctggcag tggagggcac gattcctctg atttcagctt tctccttata 420
cttttctgga gctgtgagct gcaagttaac tcagtgggat taaagtgtag actggaggta 480
caaaaggtga ggagtgagga gatagggtag ttcttccttg gctggctggc ttcatratcc 540
ctgggccccg cagataatta aatcgacttt ttctgtctca ggcatttgta tgacctcttt 600
ggaggttccc tgctgggtag ttatccttgt atctgatggg acccatctca atttaaaata 660
cttctgccag ggttcgggag gtttcatggc ttgttcatcc ccagcacttt tggggaggct 720
tcagaggtgc catttggctt tgagccccaa gaattttgag acccagccgg gggcaanccg 780
ggggttgaaa ncctctttnt tcccatttaa aaattaccaa aaaattaggc cc 832

<210> 1750
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 1750
ggagagatga gaatactatg aaaaatatat tttcaaaaaa gaggaaatta gaagttgcat 60
gttcagattg tgaagttgaa gttctcccat taggattgga aacacatcct agaactgcta 120
aaactgagaa atgtccacca aagttcagta ataatcccaa ggagcttact atggaaacga 180
aatatgataa tatttcaaga attcagtatc attcagttat tagagatcct gaatccaaga 240
cagccatttt tcaacacaat gggaaaaaaa tggaatttgt ttcctcggag tctgtcacty 300
cagaagataa tgatggattt aaaccacccy gagagcatct gaactctaaa accaagggag 360
cacaaaagga ctcaagttca aaccatgttg atgagtttga agataatctg ctgattggaa 420
tccagatgtg gatnagatat taactnaaat tatnaggaga aggaaacttc caccaaggga 480
gcag 484

<210> 1751
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (766)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (772)
<223> n equals a,t,g, or c

<400> 1751
gcgcaagtac gagttcgaaa aggacctcag taagcagctg ggcttcttct ccttccccat 60
cacccacgtg ctcagggacc tttccctggg cttaaagaag gtaaaaggct cccgcatcca 120
cctgtcctcg gagacccacc ggagctgcct gctgcgtaaa ctggaggagt ccaaaagggc 180
ccggcaggcc tcccggctca gcacctccca ctgnagcaca gagacaccct ctgtgcagca 240
ggaaccagcc acccacactg cccaggacca ggccacagag ccctgccgct ccctctacac 300
caacttgcca gccagccggc agctcagccc tttggagccc aagctctaca tgtctgcctg 360
caccggcatg ggttccagtc cccccaagtc caaggacatg gacaatgagg gccgtgataa 420
agccgagatt gaagatgaag atgaggatga gttcaaggat gaagaccagg atgaggacaa 480
ggatgaggat ggagtctaga gcctcccaga gcctggagag gaggcctcgg tcagccactc 540
cgtggacgtg ggccacggtg acccaccatg aagtccccac tagccactcg attccctgct 600
ctgtcagagt tgctgcacat cacaccagcc cctgccaaga gcaggagtca ccacaggctg 660
aatgcccacg aggagctctg ctgagactct caagggagcc agtgaaagaa atagaaataa 720
agcctgtgyt gctgggacac aggtttgctg tcctgaaaaa aaaaanaaat an 772

<210> 1752
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<400> 1752
tcgacccacg cgtccgacca gcatgaggta aagaaaagak gcataatgtt tgcctttgtt 60
ttgtttttat tttaaagccc aaggtctttg tttttgaagt aacagcttaa ttttttaccct 120
tcataatcag gagagttact tagatgctct cttcatgatt tgttgaggtt ggaatgattt 180
ggcagtccct gaaatttatt ttggggagga ggtggcagaa gagtggagtg taccaggtta 240
tgagatttct cttaacccac caacctaact tctgttcttt ctgcacctca gagatgaaga 300
agagatgatg atttctcttc ctcaagtcct tcttattctt gctgtcctgt tttttcaggc 360
caagattggn cttgnttgtt tgca 384

<210> 1753
<211> 222
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<400> 1753
atgacacaga ggctgatgtn ttggggcttg tggcttcagg gacccctgat gtggccaggg 60

ccatgactca caccctactc aggcatctgg cagcaaggcc ccctacccag gcccagcacc 120
agcatcagtg tcccycatgc ctgctgcccc ttccaggggt tctaacagga tgggggtggg 180
tctggcagaa ggcagagtta tctgaagcat gggggcagga gc 222

<210> 1754
<211> 650
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

<400> 1754
aaataatttt tacattttgt attttccaac caaacagaat cgggaccagt attcacatct 60
gctaagtgat cattttctgc cataccaagg tcataattcc ttccgtgaga aatattttag 120
tggggtaaca aaaagaattg ccaaggaaga aaaatccacc caggaatgaa aattaagatt 180
ttgncaatga agaaagaata agaatttgat ttaaaaagac atctggatgt gaactttcat 240
gtatgatcca gaaaataggt acggttttaa aatattttat atagaaaagc tacaaagtaa 300
attgagcaat gcttttaaag ttatctttgt tttatagact tttttgttgt atgtattaca 360
gtctttataa tcttatttaa tgtatatttg tactttcaag tactgatgga gatagactca 420
aaacagttat ttttttacaa ttaatctaca aagggaatta atattgttga cttttaaaac 480
atctgctgga tatattatat gcaattaata gtagttaaga atttattcat ttggtagata 540
tgtttatttg gtttttggtt gtcatcgatt tacattgcca ctaataaacc atattgagaa 600
tttctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa 650

<210> 1755
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<400> 1755
agtgttccgg gagcaccggg nctccgtcat ctgtctggag ctggtgaacc gactcgtgta 60
ctytggcagc rcggacagga ccgtcaagtg ctggctggca gacacagggg agtgtgtgcr 120
cacgttcacg gcccacagac gcaacgtgag cgccctcaag taccacgcgg gcaccttgtt 180
cacgggcagc ggggacgctt gcgcccgggc cttcgacgcg cagtctggag agctgcggag 240
ggtgttccgg ggccacacat tcatcatcaa ctgcatccag gtgcacggcc aggtgctcta 300
caccgcctcg cacgacggcg ccctgcgcct ctgggacgtg cgcgggctcc gaggtgcccc 360
gcggtcccct ccgcccatgc gcagcctctc gcggctcttc agcaacaagg tgggctgcgc 420
cgtcgcgccc ctgcagccgg cctgatcccg cggggccccc gcagacgcca gcccagacac 480
ccagcggctc ccanagcgcc ccgncctgct acccgcggtg gtggcncccg atggcccggc 540
naggggcnag gagcgaggaa 560

<210> 1756
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<400> 1756
ggcaacagag cgagactcca tctcaagaaa agaaaaaaaa attgtaattc ttatacccct 60
gctctgcttc tttatcattg tgtaatttta aaaacaactg rcatatatta tacaggtact 120
tgtttattgt ctatttctac cactaaaatg gaagctccaa ctgctattag attaatttcc 180
ctcccaggtc caattttgat tatgttactc tgaccaagct gatcttttct cttcaatcta 240
gacctttaa ctaccttcaa aaatacaata aatatgatta tnctagact 289

<210> 1757
<211> 490
<212> DNA
<213> Homo sapiens

<400> 1757

gggagcactt ggagcggatg ctggggcagg ctggggagcg ccgggctgat gtgtacgtgg 60
gcgtggatgt gtttgctcga gggaacgtgg tcggaggccg attcgacaca gacaagtcgt 120
tggagctgat ccgaaagcat ggcttctccg tggctttgtt tgcccccggc tgggtgtatg 180
agtgtctgga gaagaaggat ttcttccaga accaggacaa gttctggggc cgactggagc 240
gttatctgcc cacacatagc atctgctcct tgcctttcgt cacgtccttc tgcctgggca 300
tgggtgcacg gagggtctgc tatggccagg aagaggcggt agggccctgg taccacctga 360
gcgcccagga gatccagccc ttgtttggag aacacaggct gggargggat ggccggggct 420
gggtgaggac gcactgctgc ctggaggatg cctggcacgg aggcagctcc ctgctcgtcc 480
ggggtgtgac 490

<210> 1758
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (837)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (849)
<223> n equals a,t,g, or c

<400> 1758
agaattgaag gagagatgtt gtatcactgt tagaaggctg ctttgggaca ttctgcagca 60
gggaggaggg actgtcaacc cctacaccat gaccaccaag ttsctcacct tsgctgagtc 120
cctaaaactc tctgaacctc aggttcctcc aagcataatg cagacttcac agagctgttg 180
taaagattag gtgaggtcaa ttgatactgc ttaaaaggcc cggtccgtag aagatgccca 240
ataaacatta ctgctttccc cstcaccmta ctgcctgaaa atattacacc tgtgagactg 300
acttkgagaa ccagtgtggg tnsggagttg tgcatataaa ctatttartg agtaccnaac 360
acaaaagtca agcttgtaaa atatcaggcc ttgccccaga aagacaaata ccacatgatc 420
tcactgatat gtwgartctt aaaaagtcna actcagagca gagagtagaa tgatggttat 480
caagggctgg gggagggagg gactggggag atgttggtca aatgatacaa aggtttagtt 540
aggtggaata agttcagaaa atcaattgta caatgtatca attatagtta atagcaatat 600

aacatatact tgaaaattgc tgagagtagt gtgagtgttc taccacaaaa aaatatgtgc 660
agtaatagat gttaattacc ttaatttagt catttcacaa tatgtacata tataaaaata 720
tgttgtatgc catgagtata tataattatt atttgtgaat ttaaaaaata aaaataattt 780
ccaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa 840
aaaaaaaana aaaaa 855

<210> 1759
<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<400> 1759
tgacactata ttaggnacgc ctgccggtac cggtccggaa ttcccgggtc gacccacgcg 60
tccgggatct tctgcanttt acctctccgt atctcatttt ccttagattt tatatggttt 120
taatttaaaa gatctaaaag tacactgtaa atgcacagta tatggaggtt atagtataat 180
agttacaggt cagcaacaaa tgtttgttct attttccttt ctccttgcag cctctcttgt 240
ctttccaggc aggtgagtag tttcatctgt gatcatttat gctctgtacc acctcctcat 300
ggcagtatgt tacagcagct tttctaccag agcataagga gtcttgcatt tttgtggtaa 360
aagtccttte tggagaagca gtacaggaag gtttctgggt tgctataacc aggatttttc 420
aacaacaaca ctattggtat ttggggctag ggtaattctt tgttgktggg gtggccagtt 480
tattgtagga tgtttcacag catccatacc tttatcatat tcgctycaag gtaagacaac 540
caaaaatgtc cccagacact gscaaatatc ccctggaggg caaagtttta tttgagcact 600
atttgctaaa atawtgktgt ggatgctatt tacataactg kgkgttcagt tatgaaaatg 660
cagagttgta catatatgat atatgtagtt ttc 693

<210> 1760
<211> 2726
<212> DNA
<213> Homo sapiens

<400> 1760
gaggcgctag aggcgggggc gccgggaggc gcgggcttgc tcctggggtc tcggccttgg 60
ccggctggac ctgaccctag ggcggcttgc gcagctgtcg ggacgtgact gcgttcagcc 120
gcgtcgggcg tgcttcccag acttgcccaa gttcgggtgc cctagctgcc cctttgcagc 180
cgctggccta cccggcccgc gggtgagaag gttgcgacgg gaggtgggtg gaactcgcca 240
gcgccgggac cgcggattgg ctgcctcggc tttctctttt ccccgtgggc tccggcgtga 300
ggcgctgaag cggccggcag ccggcgaccg gccctcaccg tccgccgggt tgcgctctgc 360
ttttgcggtg aggcgttgac cacgcccata tgaattggag ctctccgcca gtaggagttt 420
ccggaaggag tttgaatttt tgtgattttt atgcttgktt ggtcggtgga atatgttggg 480
atttatgttt gcctctgaac aagtgtcttg ctcacatcgt aaatgacttt ctctccgaaa 540
cgctaaatat tctttcccgc aggagctcat atccttattt tccatgacag atcttaacga 600

caatatatgc aaaagatata taaagatgat aactaatata gttatactga gcctgatcat 660
ttgcatttcg ttagctttct ggattatatc aatgactgca agcacctatt atggtaactt 720
acgacctatt tctccgtggc gttggctgtt ttctgttgtt gttcctgttc tgatcgtctc 780
taatggcctt aaaaagaaaa gtctagatca cagtggggct ctaggagggc tagtcgttgg 840
atttatccta accattgcaa atttcagctt ttttacctct ttgctgatgt ttttcttgtc 900
ttcttcgaaa ctcactaaat ggaagggaga agtgaagaag cgtctagatt cagaatataa 960
ggaaggtggg caaaggaatt gggttcaggt gttctgtaat ggagctgtac ccacagaact 1020
ggccctgctg tacatgatag aaaatggccc cggggaaatc cagtcgattt ttccaagcag 1080
tactccgctt cctggatgtg tttgtctctc ttggctgcac tggcctgctc tgctggagac 1140
acatgggctt cagaagttgg cccagttctg agtaaaagtt ctccaagact gataacaacc 1200
tgggagaaag ttccagttgg taccaatgga ggagttacag tggtgggcct tgtctccagt 1260
ctccttggtg gtacctttgt gggcattgca tacttcctca cacagctgat ttttgtgaat 1320
gatttagaca tttctgcccc gcagtggcca attattgcat ttggtggttt arctggatta 1380
ctargatcaa ttgtggactc atacttaggg gctacaatgc agtatactgg gttggatgaa 1440
agcactggca tggtggtcaa cagcccaaca aataakgcaa ggcacatagc agggaaaccc 1500
attcttgata acaacgcagt gaatctgttt tcttctgttc ttattgccct cttgctccca 1560
actgctgctt ggggtttttg gcccaggggg tgaactttat ttcatttcca caggttgaaa 1620
ctggtgagtc cagctaaatt tgcaattcca actttcatcc taagaataat aactgtaatg 1680
gcaaagcgga aatgccagtt cctcctgtat tccattgaga tgggatttca cattttcctc 1740
tcatcaactc ccctgtaata gctagcgtct ttctagygaa agagaagaat tcctagaact 1800
tatgcatttt tttcctgctg aatggaagtc ttgagcaatg aagctatatt gtccctacat 1860
attactatat attgaactga aagttcttac ataatcaatg tcaagttttg tcttattttg 1920
ttttgtttgt ttaaaccagt gtaggaaata aaagtgatga tatttaaaat agttctcagt 1980
tgaagcagag aaatgccact gtgctagttg cccaaatgtt gtatctattt taaatagttt 2040
aagctgatgt gtatgggagc ctaaacaagt gtagtatcct gaacttctcc cattaattgc 2100
tattcacaat tgggaaaagt gtggagattg gttcctagtg agttttgtgg cctactccac 2160
atttgttctt ccttcctcag ggttagtgat gaaaaaaagt aaatatcttt ttcatatgtc 2220
cattagaatg tatgaaaaaa atcattttaa ctaaaagcaa aagaatttta tcttatatct 2280
aaaaaatata taacttacta tatgtttcag ttgctctctg aacaaaaatt atcttcaatt 2340
taatatgtgg aatgtgtttt ctagctttct ttgaattatg tatggcaacc tggtttagca 2400
ctggcatcct gaacagttaa gagtcactgg gaaattattg tatttcttta taaatttact 2460
gtcatatcaa ttgctggaaa atgctatgat ttttctatta ttaccttcta agttgtattc 2520
tctcttacac tgtagcctca actaaggcaa ttctgctatg tttgttcttc actatgattt 2580
actgtgtgcc aaaggagttt tgacagggta cagagtattt tactaaaagt atttttaaat 2640
gtttctcatg tgatttctgt accttcttcc tcctgcccct tttgcttttt taaagaaact 2700
ggggaaggat ttatgaatac accacc 2726

<210> 1761
<211> 1033
<212> DNA
<213> Homo sapiens

<400> 1761
aaaagagttt atatacttct aaaagctcct aacttatatc caaagaattg ctttctgatt 60
cgtgtagtct ctcccacaga ttcataaact tttatgactt atattgtttc caggtgggca 120
tggtttattt cccagtttaa cagttcagaa taggggcatt tattttatca tattttaggg 180
tgggttagga gtatcctttc tggagactga gaaaggggtg tatttaattc catcaggtcc 240
agtacagtac taggagtcat aatactttat aatcaattaa ataaatagaa ccactgagac 300
aataatgtat ttttttaaag tggcaaatgt ggttttcttt tttcagcctt tgcgcttttt 360
cagtattttg accataggga gataattttt ttataataca aaagtaacca cttggaattt 420
taaagataat gttatgtgtg tatgtgaaat atatatacat atatatatat atttcctaaa 480

agaagaaaag ataccttttct gttcaacttg tatcaactcc tcttttctaa ttgctgtgaa 540
atggcaactg ttgataaatt attgtgattg ttttaaaatc taatgggaag taaaatatat 600
tttgatttta cccagcttaa tctgtaaagt agcacttaaa tatatctgat agcaacactt 660
aagatattgc atggggatta ctttcctatc atccatatgc atttgtgcaa cttcaaacat 720
attgggtgct tctgaattcc tgatgattgg atttaagcta ttgaaaattg gataatttaa 780
acttaatgat ttttataatt ttctgatctt aaaatttggt taatgcctat aatctgttgc 840
ttttttctcaa tatgtgtcct attggaaatt cctcaaatcg ttggtgccat cagtgattta 900
caaacaatat tttgatattg cagatgactt gcttactgta tttgcattgt tagaaaacag 960
tttgtagaca atgattcttt tttaataaaa tcaaataatt ctaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaa 1033

<210> 1762
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 1762
cctctcggcc gtaggttagg nagattcggg tgggaatgca tgaagctcca cngaagtatc 60
ggtatgtagg gtattctgcc caagccctgt tcgcatacca aaccaggngt taaataacat 120
caggctctgg gggaatagaa agcmggcttt agacaatctg tccatttcta cagtaaaatt 180
ggagtgagtg tgtatatcta cttaaaactt aatagaagtg acttctactt tttgggctat 240
tccagaagta ttttaaaatt attatttaaa attttgaagc cccatttcaa atcttgccga 300
ccttagttca aagccccctg agagatcact tttagaattg aggatttgtt aaaatggcaa 360
gtcatttcat ttgtgttaaa aagaaaatac ccaaaaggaa ggagggagcc ctgtttgcct 420
tgagataaac ggccttggca ttttctggca ttaatgtaga aataatgttc ctatgatgac 480
atattttcaa agaaacactt tcttatttac tgtgtggtgt aaaatgttgc taaatgtgtt 540
gttacattat gtcactgctg aaagtaattt gcactataat aaaggaattt tctacaaaaa 600
aaaaaaaaaa aaaaaaaaaa a 621

<210> 1763
<211> 736
<212> DNA
<213> Homo sapiens

<400> 1763
gactttctgt gtttacttgt atgaggaaaa acagyacata raggcatcca cagtatttaa 60

tttgtttgga taacagttac agataaacag gtacacccca tatacaatta cyaatacttt 120
ttatacagtt catatttcag tacatcaaca ctattttatt tacactctat ttatryacat 180
taacatcttt ytaaattggg attattgtcc atatgcttta tatttttat tccagtgatt 240
tccctttag gaatttatct gaggggagaa tactctgtaa ttactccata atttgcaggc 300
aaatatcatc atagcatttt ttaggagagt aaaaagttat taacaactta tatttgtctc 360
acattagagg aatggttaaa taaagcatgg tgtattcatt ggataaacta taatgcagtt 420
gttgaaaatg attaccagga gtttttgcta acatttatgg gaacatgctt atgatatgtg 480
aacatttttt taaaaacaag acataaagtt gcatatactg gaaataatac cttcaatatt 540
gaaaaaaata ctatttagga aaraggacag aagaaaatct gccaatattt tgacagtggt 600
tgcctttgta ttaagaatat aattaagaat ataaaaggat tccctgcctt ttaacatttt 660
tctctgcttt ccaacatgaa tattatacct agtaatcaga aaaaaaacag aggcaatcac 720
tcttatcctt tacatt 736

<210> 1764
<211> 1371
<212> DNA
<213> Homo sapiens

<400> 1764
cagttaaata actcctggtg acacttcagg tggtagaatt gaaacacaaa cctgacttct 60
gaccacatgg gtcaaaggca aaaggcaaat ggcttcaaag cccttagtgt gcttatccag 120
ttcaggcagt gaggagataa cctctgcttt cctccctgag gagtttggag tatttaaggg 180
gggatggggg gggtgtcact ttgaaaatat gttgcttttt ctcctgattg tattgaggct 240
gatatggaag ggttatttct ttctggccaa tacttttgg tatttctaaa tattgcaatc 300
ttgatttta ctattaaatt tgttaattgt cagttctggc ttttttgcat aaagagttgg 360
tccattaact tgccaatttg aagcttctaa ctagatattc cctactgaaa gttttggatt 420
tgtttttagt ttgtggagca gtcttagctg gggacaggta attgacaacg gcagagatac 480
tttcttttcc taggattcta agtctgtaat ccacatcctc aatgtattca caggacttta 540
aaattctctc caaatgagga aggaaatatc ctgttgcttt ctaatgttta ctaaaagttg 600
tgtttagaac aacagatttt aataggcatc ttcctttgtt atgtgtcatt agccctttgc 660
ccgtttacct tagggctctt tgaaggagaa atggatggga gaaaacctgt cacttggcga 720
aagtaaaagg gataattaac tggctcagag cttatgtgca gagttccaag ccccaaagtt 780
aatctagaac cactcgataa caccaataaa aatatttatt tcacatctgt tatatatctg 840
gaaaatgttc taagcatctt acacatattt ctcattaaat ccacaggtga ccattgtgag 900
gtagatattt tgttctaatt ttccagatga ggaagctgag accctaaaag gctgaccggt 960
tccctgatgt gttacctgct tctgctactg atccaaactg cagaacttct cattcatccc 1020
caaggcctcc aggcagtatc caatggggaa tcagctctaa aaggaaccag accaacgttt 1080
tccagcccct tcattctgta gcttccctct gtgtgaggaa aggatagaaa tgttcaggac 1140
atcatcatac aggctcctca tctacaaagt tccagtagca gtgacgccta cacggaagac 1200
ttggaactgc aaacaggctg gggtcacctc agtgacatct gacgctgtcc aaccagaagt 1260
tcgatttttg ttctgggggt gaaggaggaa acagactgta ctaaaggact aaaataattt 1320
gtctatamwa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattccc c 1371

<210> 1765
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (510)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (716)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (733)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (738)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (757)
<223> n equals a,t,g, or c

<400> 1765
tacgcttctg ggcataatac tgaaacacaa aactgctttt gctctctctg tggttggccg 60
aaaataggat tctttttcgt gcaggtgtcg ttgtttagtc ggctttacta acatattgaa 120
atggctctac ccaaagacgc catcccctcg ctgtccgagt gccagtgcgg gatctgcatg 180
gaaatcctcg tggagcccgt caccctcccg tgtaaccaca cgctgtgtaa accgtgcttc 240
cagtcgaccg tcgaaaaggc gagtttatgc tgtcccttct gtcgycgccg ggtatcgtcg 300
tggactcggt accatacccg aagaaattct ctcgtcaacg tggaactgtg gacgataatt 360
caaaaacact atcccaggga gtgcaagctt agagcgtctg gccaagaatc agaggaagtg 420
gctgatgact atcagccagt tcgtctgctc agtaaacctg gggaactgag aagaggaatat 480
gaagaggaaa taagcaaggt ggcggcagan cgacgggcca gcgaggaaga agaaaacaaa 540
gccagtgaag aatacataca gaggttgttg gcagaggagg aagaagagga aaaaagacag 600
gcagaaaaaa ggcgaagagc gatggaagaa caactgaaaa gtgatgagga actggcaaga 660
aagctaagca ttgatattaa caatttctgt gagggaagta tctcggcttc tccctntgaa 720
ttccagaaaa atntggtncc agttacaccc aagtctngaa aaagga 766

<210> 1766
<211> 736
<212> DNA
<213> Homo sapiens

<400> 1766
ggcagaggtg gagggcacgg aaggggtttt mccattcatg ttgtataagt gaaccagacc 60
accctgatgg catccacagt gatgtcaagg ttggggctgg ccaggggtgg gtggactaga 120
agcatttggg agtagtggcc agggscctgg acgctagcca cggagctgct gcacagagcc 180
tggtgtccac aagcttccag gttggggttg gagcctggga tgagccccgg cagcgccttg 240
gcccttctgt ggtccctgcc agcctctgac ctgggccggt cagtcattgc tggactctgg 300
ccacacactg gcgttctcat ccacttggaa acaagccagt cttttctgca aggtcagttg 360
accaagagca tatttccccc ctgttgtaca tcgttgtttt gtgtttgtgt tgtaacagtg 420
ggtggaggga gggtggggtc tacatttgtt gcatgagtcg atgggtcaga actttagtat 480

acgcatgcgt cctctgagtg acagggcatt ttgtcgaaaa taagcacctt ggtaactaaa 540
cccctctaat agctataaag gctttagttc tgtattgatt aagttactgt aaaagcttgg 600
gtttatttt gtaggactta atggctaaga attagaacat agcaaggggg ctcctctgtt 660
ggagtaatgt aaattgtaat tataaataaa catgcaaacc tttaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaa 736

<210> 1767
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<400> 1767
naacnggnaa gctgttcccc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgagcctac tctggttaag atgttctttt cctcaaaggt gccctagtgc catgatttaa 120
atatttttat taccattttg aaatggagaa gccattctgc atatgccttt gaattcctgc 180
ccctctttac cacctcttcc tccccctcaa aggaaaaaca tttcatccaa gtaagttaac 240
ggcattttct gtaggatttt cttatgcact gcacactctg gacctcacct gcagatacag 300
ttcccccctt gccaggagca tctgcatgtg gtacttctct tttccctcag ttgatatttc 360
ttatatgata ttctagatac tatagaactc aatttgtcag attcagtata acctcagatt 420
ttgttacctg tcttttaaaa atgcagattt tgtcaaatca aataaagatc aatggatgtt 480
gggtataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 521

<210> 1768
<211> 453
<212> DNA
<213> Homo sapiens

<400> 1768
aaaagaaaaa aatgacatta aattttgtca agatagcata ttgaaaatat aatagaaaaa 60
tatttgttta tctgctataa tatattatgt cataggtgtt atcttcagga aggcacactg 120
gacctgctaa attaacaaat ggaaagaaag cgtaagtact tgaagacgtt tacaacttca 180
gatttcaagg aatttttcag gtctttgggc tggatgacat gtcgtctacc ccagaaaatt 240
aggtaggcct ctaccatcac aagctctgag gaacaatttt tcatgtctac ccatgttaat 300
cattttagta tttaacagtc tttctgatct tcagaatgtg tttataaatt catcttgtac 360
atggttggac aagctttctt gtctttgctg graagraaat gactacttac taatatattt 420
tgggrraaat attkgtaaga atattaataa gct 453

<210> 1769
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (623)
<223> n equals a,t,g, or c

<400> 1769
ccctataggg aaagctggta cgcctgcagg taccggtccg gaattcccgg gtcgacccac 60
gcgtccgggc gactggcagg acgcggtgca gagagcggac ttccgcgacg cggaacgtcc 120
tacagtgtag gggaagcaat ggaagaactt ctacctgatg gacaaatatg ggctaatatg 180
gatccagaag aacgaatgtt ggcagctgct acagctttta cccacatctg tgcagggcag 240
ggtgaaggag atgtcaggag agaagcccaa tctatccaat atgatcccta cagtaaagct 300
tcaktagccc cagggaagcg acctgctctt cctgtgcaac tacagtaccc acatgtagaa 360
agtaatgtcc cttcagaaac agtctctgag gcctcccaaa gactccgaaa gccagtgatg 420
aagagaaagg tgctgcgcag aaagccagat ggggaagtat tagtaacaga tgagtcgatt 480
atcaagtgaa tcagaattgg tacagaaaat gatcangatc tcttgggact taagacaaan 540
gctggatgaa tgncagttcc aggaagacaa ngaatcttca tttgatggtt cacaaaaaat 600
taacctacca catgaatacc cangaatttc tcaaga 636

<210> 1770
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (632)
<223> n equals a,t,g, or c

<400> 1770
tcctcactaa gggaacaaag ctggtgctcc accgcggtgg cggccgctct agaactagtg 60
gatccccccgg gctgcaggaa ttcggcacga gcacgagtgt gcacatgtgc gcgcacacac 120
acacacacac acacacacac agaacttaac agcagtgatg tgtgttgtaa tatgcaactt 180
tgtaagttac atatcactcc ccaataccac cttctcagtc acggagtaga gatcttactt 240
cacaagaagt gagactcaga gaggtgaagt gacctgtgca aggtcaccta ttacagtgcc 300
agagttggaa ctaaaggaac ttcagtctgt gaacttcagt gtctttccag tagcatattt 360
gcagcagaag agtcaagaat gttgtgagct gcaactctca ctagaaccaa atgaccttat 420
tgggagatgt tagtccagcc ttaaaaacaa gctcttcacc tccatgaatg gcaagtgtct 480
gccctcttca ggccaaatcg agaatgacat ctataactga ggcaaatcct tcagraaccc 540
aagtcagacc ttgggattat ttgctttttc agtaagttct kggtcccggg ctgtgtcttc 600
ttaactcttg ctgttggggg acccttcagg gnaagcttac cca 643

<210> 1771
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (721)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (730)
<223> n equals a,t,g, or c

<400> 1771
catatttaaa aaaatatgtt ttctgtgtgt tgccaaagaa tagaaatgca attgattttt 60
taatattaaa cttatatcta gccatggtat tgaattcttc taatttctaa taatttgtct 120
gtcaatcatt ttattctttc taggtaaata tgatactata ataaattttg cttcttttctg 180
tttctttcct tttcctatta tttacttttc ttgcattact aggctacttt ggacctttaa 240
taaaatgtga aaaagcacat ttatctttat attgatttta aacagaacac tctaaatacc 300
ttattatcgg taagactaat grctgctgaa gaattttact gggttgagaa aactgttatt 360
tatattgtgt taaatgtttt cattataaat gggtgttcaa ttatatcaat tttatttttct 420
gcatctaatg ggatgatcat aagacatttt tctcttttaa tctcttagta tgataattta 480
cattttgga ttttccagaa acatctttgg attcctagaa taagccagat ttatcacaag 540
tggattatct ttatcagata tatggctgct cttgagttac taatctttta cacttttgtg 600
tgtaaggaat gtttttaatc taggtgaaat tttgaatcta tgctcatgag taagaatatc 660
ctttctcata ctatccttat ctggccttag tactgagctt tagattatct tggagggttc 720
natttccctn cctt 734

<210> 1772
<211> 396
<212> DNA
<213> Homo sapiens

<400> 1772
gcggacgcgt gggaaaaaaa agaattactt gagatgcttg ttgaatatgc atattcctaa 60
gcccagccct aaatctactg aatcagaatt ctatttttaa tgtacactcc agatggttct 120
gatacttgaa caacgctata tttagcattg gttaagtaca gatattttgt ttttagccta 180
ttgcagaatt agctcaataa ttcataaaat gggtaattat tcataccaat gctaaactca 240
gtatttatta catcaaaatt tttaatgtat tggctaattt tggtaaagct aagaccacca 300
gtgtgaataa ggatggattt ttggttattt gccactgara ttttttagca tagatcccca 360
gaattatttt taggaaaagg atatgctgtg cttagc 396

<210> 1773
<211> 786
<212> DNA
<213> Homo sapiens

<400> 1773
gagctttagc tcgcctgccg ctcaccttgt gctgtgcagc ccggttccta acagaccaca 60
gaccccacac caggtctatc tcatttggtc tcagagctgt gaatcagcca gcaatatttt 120
agttgcaaat cactgaaaac ccaactcaaa gtgacttaag tcagaaagaa attttatgaa 180
ttcaggtaat taaaaagtcc agaagtatct gcctttaggc acagctggat ccaagggcac 240
aaatgatgtc atcaggctcc agttattctc catctcccag ctcagctttt tctgtctgta 300
agcctgattt tcaggaaggc tctttcctag tgatggagat gaccaccatc agctccaggc 360
ttctatcctg ctaacccagt aacccagtgg gaagagattt acttattcca ataattccaa 420
gtggagagtg tcattgaccc gtttggggtc tcatctctac ttctagggga atgaaacact 480
ctgagtggcc aggcctgtgt catgtgctaa ttcctagagc cagggaaata aggtctgagg 540
attcaggatg gggtgaaagg tggttgctta aaggaaaatg aaatacaatt agcagaataa 600
ggggaaacga gtggtctgct ctgctcgggc aaaacaagag atgcccatta ctgtgaggga 660
cccttgaagt ctggactctt aaatgggttt ttgctgattt cctgggtgca tgctaggatg 720
atggggcttg atgcagtagg gaagagacga tgtaaaaata ataaacaata tataccttca 780
aaaaaa 786

<210> 1774
<211> 676
<212> DNA
<213> Homo sapiens

<400> 1774
ggcacgagac tgaatattga aataatgtaa aagacctatt tcccgctagc tttaaccgat 60
ttgtcataaa caccttttctt gtatatgatt tttaaatgtt tgctaaatat taaaaagaat 120
tcaatgtgtt tggttttgta aaattacata tcgaatgtgt ataatttttt actaccatgt 180
tcatcacact taatctatat ccatatattg tactccacca atatttatca gtggacaata 240
aagaagtttt gaatgcatga atgcaactta agaggcacca cacttggtta ttttgcaatg 300
ccagaataac ggtgggtatt cacaaattga atagataatc cagattatgw ttcctcccaa 360
tttaagtttt tctgggtttt ttttcccccc ttcctagaat caattttatc attttaccta 420
tgtacaataa tatacttcct ggaaaatgcc tagaattttc accatgtaac agaatttgag 480
catgacagta wtgtaaaaat attcagaagt ctcgaactat aggtttgagt tttcaaagta 540
aatcaaaatm cagctgtttt cattttacta gattgtggaa acctatggat gttattgtaa 600
aatgcatatg cattacactg actttcttaa aatgttttga attaataaag aattcaacaa 660
tgtaaaaaaa aaaaaa 676

<210> 1775
<211> 423

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<400> 1775
ttactatcta agtatgcaat tcttagggaa aagtgcctgg aatcttgcaa ttccaagata 60
tccattgtaa ttactctgga tttaaataga actggtctcg tagcacaaga attcctgata 120
gcaagatact tttcataaga taccttcaac ccggttaatt ttttttctgt atctgataag 180
gtaaagttta gttcaagagt acagaacaca tttatttact tttttgtctt tctgaaagta 240
caaaggacca cccttatcaa tctgtctttc ccagctactt ggaactctac gtgacttttc 300
tctttgtgtt ttatagaaat acgtttgttt ttatgatnca tttttgaaat tgtgatttng 360
tagggtatgc agaggagnaa attcgggaaa atttttaagg tattctgaag aagacacttt 420
aac 423

<210> 1776
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 1776
acgttgttga aaactgcttt ccccttttgaa tggtcttggc ccccttgtgg anagtcactg 60
cagcataaga gttagccttc atctctgggc tctcctctcc tgtgactccc gtaatgtttt 120
actcatccac ttcatggtgg accaccctct ggctctgtcc actctgccac ttttttcctc 180
tgctcctcac aggatcattt ccattgtaag tgtctccagc ttgctgattc tttattctgc 240
ctgctcagat ctgccggtga accctctagt gaatttgtaa gtgtcagtta ttattttcag 300
ctcttctagt yccatttgat caccttcata attcctatct kttgataycc tcattgtgtt 360
cctctgtgat tttcctgact tcctgtagtt ctgtgtccat ggcttccttc agttcttcga 420
gcacatttaa gacagtcggt ttaaagcctt tgtttactaa gtccaatgtc taggcttcct 480
tgggcatgtt tttgtcagtt aaatattttc ctttgaatga gtcatacctt cctgttttat 540
ttgctttaga ttttaggtca ctaaattttt ctttgtgtct aaactgctgt taaacctatc 600
cattcagttt ttaatttggg ttattgtgtt tttcagttga attttttttt aaccktatct 660
cctgtatctt t 671

<210> 1777
<211> 1779
<212> DNA
<213> Homo sapiens

<400> 1777
gctcgtgccg ctcgtgccgc tcgtgccgtt cattcagaag gtggagataa gtaataccta 60
ctcctaaatt tttatcctga tagtgagaaa atatataagc attttggaac tacagaacac 120
catacaaaat tagcattatt agtactgcat tatcttgtgc tcttacaatg ttttgtgtat 180
atgtatactg attttctact tagaatgtaa ctgttgtttt gtcaagtgct ttttcccccc 240
cagcctttcc taggctagga tatatgctaa caagtactat taggagctgg cttgtgatca 300
taatgccaac tatagataag gcaagtagta gcctagtagt taactgaagt ttcaagttag 360
tcatgtatag tcagttttta ttatcatgtg aataaaataa aattgttttc cttttctttt 420
cattcaggaa aagttctagg aactattttg gtgcacaacc acattataga ttatscttgg 480
gwgatatgcc atttgtagct gggaaggtra gttggtcaaa ctccggattc tttttataca 540
acattgatcc ctgaattaag tccctgcatc tscaagtatg tctacaaatg gaaggaacat 600
tttyctgtgc ctttaccagt gtgtggatca tgcctttacc agtgtgtgga tcacagtgaa 660
tgtgaaaatg agatgtaggg aggtttttgg ggattaggga agcaaggaag agatggggag 720
gataccttaa agtagataaa gtatatgtgg aaaggaagtg ataaaacaga gaccctaagt 780
tgaagaaggt gttgtttcag ataggggtca aggaaataag aaatagtatg tttgtagcat 840
tggattttta gtatcmatcc tgttgagtta catttagata taggtagata ttcgaataag 900
cacgtagcac attctgcttg tcctcacatc cagatcattt ctaggactaa ttctccaaga 960
agcagtcata cgtacacttg aatcttcagt ttcttcagca cttgaatgta aagctgtatt 1020
gtcatatatc aagtactgag tgaagtrcct aaaactgtgc tagttgacac tactttataa 1080
gctgtttgtg ttgctggtgg ttttatattt agattccaac tagattgtta ttctggcatc 1140
ttgggaagta aatgttcttc tgaattttgt atttgtttat atttatttat tttaaacccc 1200
tagtaaattc gcagtgaaat catggggaat ataataaatt agtggtgaca agcatttgaa 1260
aaaggtacag ttgacccttg aacaacatga gtccgaactc tgtgtgggtc tmcttacagg 1320
cagatttttt ttttcaataa gtatcttgga aaatttttg gagatttttg gcaatttgaa 1380
aaaacttgca aactatagct tagaaatatc agaagttaag aaaaagttgg tatgtcatag 1440
atgcataaaa ttgactatgt caatactagt gcattttatc atttaytacc ataaaatata 1500
cacaagtttt ttttaattat aatttatcaa aacaatttgc acacagacta cgtgacgcca 1560
ttcacagtcc agagaaatgt aaacagataa agatgcagta tgaaatcata actgtataaa 1620
attaactgta gtacatactg tacgactgat aattttgtag ccaccttctg ttgccattgt 1680
gatgagctca agggttggga gtattcactt aaaatgccac gtgacgctaa tcatcttcaa 1740
atgagcagtt catctctcca gtcaattgtg tatcacagt 1779

<210> 1778
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)

<223> n equals a,t,g, or c

<400> 1778
aaagaagaca cattcacaac cagtggtaga gaaactgtgg tttatatgcc cctcttagaa 60
taactcttca ggctctgttt atagccctgg gttcatgcat gataaagtag acagcaacac 120
caccatacag tgcagaggag tggcaagaga ktaaacggaa aaggagatga aaatagacca 180
aktggagaaa ggcctggtcm aaaaaggarg aaaaggaaga tcactatgga atawtaraga 240
kttgaaaaat gaagtgacac ccaataacag gacgggacaa tcagagatga cttggttgta 300
gtgtggaaac cagtagggac cttgggaagc tgccaaaccc tttctagctc tgggctcagc 360
tgtaagaact gctgattcct acaggaacac ttggacaatc caatacctaa atgttaacca 420
tcaattaacc cagtaaacct gcaagatgga aacgaagatt tgttctcacg agtttcacgt 480
gattatttaa aacacttctg ggggccagta gccaactggg gtcttnccca ttgctgccat 540
cnatggtatg aaaagtctc 559

<210> 1779
<211> 786
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (749)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (758)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (770)
<223> n equals a,t,g, or c

<400> 1779
gcaagtcctc cattyttcca ccattgattt ttcctgccac agatattgac cgcattctcc 60
gtgctggctt tactttgcag gaagctcttg gagctttgca tcgagttggt gggaatgcag 120
accttgcact tcttgttttg ctcgcaaaaa acatcgtagt tcctacatga ctgtgggaaa 180
gtgggctaga ccgttctcca ttccctttaa acaaaagaaa gctctctcta tatacacgca 240
cacatacaca ctcmccacat atacagtata tatagaaacc tgcaagcaga atgttgagcc 300
agatttttt taaagatttt tttcggccaa agtaatttat gatcttttgt ctgatgaatt 360
tgtctatcct acttgttaaa atttaggcct ttttaaatgt attggcagta tgtgcataca 420
gaagcttttt attctcatta agatgtatcc tggaataaaa tggatggttt tgtgtgtarc 480
atactgtttt agaatgagag taaatgcttt gaaaagcaga agccatgaga aatcccmcta 540
cccatccagc taaaaacaga tgaactctcc acactgtgac tgtgtgtctg tgctgatggc 600
aaggtatggt ttgctggctc arttgtcaat ttagaaactt ttgaccacat aatttggtgt 660
ttggaattct acccagtgct ctgtgtatca tgatkcatta attataacag gaaattggag 720
aataattgaa tatcttatcc gtagaatgnt atgttttnat ttgtgtgctn aagatttgac 780
ttttaa 786

<210> 1780

<211> 688
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (634)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (657)
<223> n equals a,t,g, or c

<400> 1780
caacatggtg aaatcccgtc tctactaaaa atacaaaaaa ttagccgggc atggtggcgg 60
gtgcctgtaa tcccagctac ttgggaggct gaggcaggag aatcatttga acccaggagg 120
cagaggttgc agtgagccga gatcacacca ttgcactcca gcctgggcaa caagagcaaa 180
actccatcta aaaaaaaccc acattttcat gaatatcagc catcaacaat gcagaaagta 240
atagactagt cttctgaatt attaacccta gcaattgtca ccaagtgaaa acctyggtca 300
ctaaaacttc ttggaatagc attcaaggtc ttgctttaac acaaaacccc aaaacttggc 360
ggtacaaaac aaccattttc tgatggatcg ggaatccatg tctgaagtct cagctaagaa 420
gactccaagg ctgggttcca ggctggaact gcctggggca tctccccaca cacacactgg 480
tacttggctg gaccaccagc aggttctact ccccgtgttt cttcrcagtt tgtcagttgg 540
gctgatttgg gtttgctcac agagtattca gccaagatcc caagatcaag tatccaccgc 600
ggcccgggcc ccaatcatct tgttttttaa acantcgttt tttgaggcag gntaggntat 660
ttcatttcca gatttttttcg tgttaccc 688

<210> 1781
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 1781
aagtctattg gcatcctcga catctttgga tttgaaaact ttgaggttaa tcactttgaa 60
cagttcaata taaactatgc aaacgagaaa cttcaggagt acttcaacaa gcatattttt 120
tctttagaac aactagaata tagccgggaa ggattagtgt gggaagatat tgactggata 180
gacaatggag aatgcctgga cttgattgag aagaaacttg gctcctagcc cttatcaatg 240
aagaaagcca ttttcctcaa gccacagaca gcaccttatt ggagaagcta cacagtcagc 300
atgcgaataa ccacttttat gtgaagccca gagttgcagt taacaatttt ggagtgaagc 360
actatgctgg agaggtgcaa tatgatgtcc gaggtatctt ggagaagaac agagatacat 420

ttcgagatga ccttctcaat ttgctaagag aaagccgatt tgactttatc tacgatcttt 480
ttgaacatgt ttccaagccg naacaaccag gataccttga aatgtgggag ccaacatcgg 540
cggcctac 548

<210> 1782
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<400> 1782
aaaaaaaaaa atctatattt tatrgaaata ataaaaaact aaccttagct tactgtaaat 60
tttctagttt agaaacttat ttaaaaacaa ttttttggact cttctagtaa taacgtagct 120
taaaacacac attgcatagc tgtacaaaaa tatttttctt atatccttat tatataagct 180
tttatctatt taaattttga atttttaaac tttttggtca aaaaccaaga caaacacact 240
agcctaggcc tatgcagggt caggatcaag acatccctag caggtgacag gaatttttca 300
actccattat aatctgtggg gccaccatca tatatatatt gtacattgac cgaaacatgg 360
ttacatgact atataatttg cgtcaatact gctcagtgtg ccatatttaa atttacatga 420
ctatattgtg atattctttt caaaataaag tttatttggg agataaaaaa aaaaaaaaaa 480
aaagtgngcc gcagcttatn ccctaggngg ggtaattagc tggcctgcgg cggtttaacg 540
cggctnggaa cccggngtcc acttacc 567

<210> 1783
<211> 537
<212> DNA
<213> Homo sapiens

<400> 1783
gcacctatga catagtaaac ttgaagaata aaaactaccc tcagaaatat ttttaaaaga 60
agtagcaaat tatcttcagt ataatccatg gkratgtatg cagtaattca aattgatctc 120
tctctcaata ggtttcttaa caatctaaac ttgaaacatc aatgttaatt tttggaacta 180
ttgggatttg tgacgcttgt tgcagtttac caaaacaagt atttgaaaat atatagtatc 240
aactgaaatg tttccattcc gttgttgtag ttaacatcat gaatggactt cttaagctga 300
ttaccccact gtgggaacca aattggattc ctactttgtt ggactctctt tcctgatttt 360
aacaatttac catcccattc tctgccctgt gatttttttt aaaagcttat tcaatgttct 420
gcagcattgt gattgtatgc tggctacact gcttttagaa tgctctttct catgaagcaa 480
ggaaataaat ttgtttgaaa tgacattttc tctcataaaa aaaaaaaaaa aaaaaaa 537

<210> 1784
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<400> 1784
tgggtcaatc tcaggttcca gtctcagaaa ctgcaggttg ttgtcacctt tctgtcagca 60
tggatcaagc ccctaaaatg tggtaagtgt tgtcagagca gggcaatatc tctactctca 120
agtatgaggg gaatagaaac aaagcagcag ttttagccag ggttcaatga tagagtggag 180
gtaaattaag agcctccagg ctgtgattca ccatttgaga cattatacat aatttgtttt 240
tgttataagc catttgaatt tttaaaaaat ttcatacatg caatggaata tagatatgta 300
tatacacata taatatatat gctaaagtat aaagagtaat aataatgaca ataaacaaac 360
ccctgtgtgc ctaccaccca ccttattgcc tttcctttga ggtaccgtgt gcggtttcct 420
gaacctatct ctatccctgt ctgatagagg gaacccctgt actgaacttt gtgttgacca 480
tagccttctt gtctttcatc actttatctc catgtatgta tccttaaaga ataataaatg 540
gaattaaact gaaaaaaaaa aaaaaagggc ggcngtctag aaggatccaa gctacgtacg 600
cgtgcatgcg acgt 614

<210> 1785
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (460)
<223> n equals a,t,g, or c

<400> 1785
aaaattaacc ctcactaaag ggaacaaaag ctggagctcc accgcggtgn cgaccgctct 60
agaactagtg gatcccccgg gctgcaggaa ttcggcacga ggcggtgtct cctctttgaa 120
attaagaact atctttcytg tagcaaagct gcacmtgatg atgctgcctc tcctctctgt 180
gttgtctggg cccttgttta caagcacgcg ttacccttcc tgaggggagc catgctctag 240
cccctggagg gcctgttgca ggggcagggc gggcccgttg cctttggcag ctcctggaga 300
gctgtggaca tgcagtcccc ctcagttcgt gctgcaataa aggccatctt ctcttatttc 360
tgccctcctt tctctttgga ccctggagcc acaggctcag cctggcctgt cgncccggct 420
tgtcactgaa aagccccgga taccaagaag tcacccacan aaagtgggag aagaaataag 480
atggccttta tatcg 495

<210> 1786
<211> 584
<212> DNA
<213> Homo sapiens

<400> 1786
ctgctgagag ttggtaaaga ggatggtcga gtgagatggt gttgacctcc ctggatctta 60
tgtcactaca tcctggacct caagagggtc atccaagctt tttgaaagct gaactccttg 120
actggagaaa cctagacaag aggcggggcc aggtgcttga tatctaggag gcattcttcc 180
tcttcccttg ccaccatgga gctgggcaca gtaagccata ttgtttcctg aagcaggagt 240
cccaggcctt ggctagagag ggaacagatg tctaacaaaa agagaagcaa ttcgaggaat 300
tgatgaagca caattaaaat cctctctggc tagtagctct ctggcttctg ttcatttgaa 360
gaataaatct tggctgacag tgggaagcac caggtttgaa atcagatggc tttatttttyc 420
ttttttggc atttaaatca gtgaaataaa attattactg gagagcacag ttcgatttaa 480
gagaattcct cagccctgtt ctcaagtctt cttttgaaat tccatgacat ggtggwtaat 540
gggtaaaatg attaatgcct cctttgggtc ttmtactgat caga 584

<210> 1787
<211> 1333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1313)
<223> n equals a,t,g, or c

<400> 1787
tttttagatc tgccttcttg ggatgtattc maggatgcta gccgtgtttg agactgtaaa 60
tatgtctagt gaatagggct tcaggctgtg tgtgtttgcc ttgttttgca cagaattcgg 120
cacagcccca agcacagatg ggtgcttcat aaatattgtt gaaggatgat gacacaaagg 180
attatttaat acctctgacc tcaggccaca aacatacttt caatgtgttt tacttctgaa 240
atcatttgaa ccaraatgtt tcagcaacac agattcatct gcaaccacaa atcagacaca 300
tttagaatga caaagcccca aaagaatgcc attttcaagg ctgaaactgt attattctgg 360
gctaaatgga atccttgttt tagtgacact gtaagagtag aaattaaaga cactgaaaat 420
cttcccttgg ggaaccacaa ttatctgtga acaatgaaag tttgtctgaa taattcatca 480
gcctcaaggg tacaggcctc cccttattct ggaatcccag gagtttaggc aagtgtgtca 540
tttaatgggt ctcaactgtg tcctcagttg ttattattcc agggcctggc atttatgggc 600
acattcctat aattttacta attaaaaaaa aataagctat atgggaaacc actgtcaagg 660
tcaaaatttt gaagctgcat tgattttacc taggaagaaa gaagcttata aagtgtccat 720
catgagaatc cacctgggac ctacacaaca gatcaaatac ccagaacaaa tcaccacgtc 780
agagccccac agaattctga ttcccaacca acaagcatga gtaatccttt taaatggtca 840
cttacatatc agaacaggtc ctttgtgaaa tttctaagca aggcctctgg tttctgactg 900
aaacagagat ttattgagaa ggaggggtaa agtgaaatca agaactgctg ggaaatttcc 960
acaagaaaca aggacaaatg gtttttgttg tcagagtaaa accagcctcc cctagccatg 1020
gtttggaaag ttatttgcta gcccacaggg gacaatattc tcaactggtt tatcagggac 1080
ccttttgatc caattatagt tattgggcag atacagtccg taccctatta tcagragacc 1140
tagtttcaaw tcctgagtca accttytaaa ttcactgtgt gaccctggta caagtcactt 1200
aagctctctg attcattggg tcaacatctt taatatgngg agagtaatgc ctatccccat 1260
accncataaa nttttgcaag gttcaagtgg gttgaaangt tcaaattttt ccnaatttta 1320
agatcccgga aag 1333

<210> 1788
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<400> 1788
taatattaag aaattcaata taactacatt tntataccgg ttaatgttcc acagtgtgtg 60
ttaaaatgta gttataacta wttttaattc caaggtgttg tttgcttttw cttttaaata 120
tttyctaata ttttgtcaga ttaactagat gaataaataa atctagtatt aaccgcatta 180
tgaattaaat aattttgatt taatgaaagg gataatatga tttccagtgt ttactgtagt 240
gtatcttgta cagataacat gtatttttaa aggaaaaaaa acggaattga agctattttt 300

tcttgcattt ctaattgacc tgagggacat tccgtttgaa atgtactgaa gttacagttt 360
ctggtttttt ctccttattt ttcttataat gcttgaaatg tctaactatt aaaaaagaca 420
attggaaaat gttatgcatg gggtttttaa gaaaacaaag tgttcttttt atttgactga 480
caattcattt tacactctat ataataaaat ctccacaagg catcttgtgg gcaaagtcaa 540
aaaaaaaaaa 550

<210> 1789
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<400> 1789
tcgtgggctt cccagcatac ctgagaatag naatctgnca gaatattttg tggctgtgga 60
tgttaacaac atgttgcatc tgtacgccag tatgctgtac gaacgccgga tactcatcat 120
ttgcagcaaa ctcagcactc tgactgcctg catccacggg tctgcggcga tgctctaccc 180
catgtactgg cagcacgtgt acatccccgt gctgccgccg catctgmtgg actactgctg 240
tgctcccatg ccctacctca taggaatcca tttaagttta atggagaaag tcagaaacat 300
ggccctggat gatgtcgtga tcctgaatgt ggacaccaac accctggaaa ccccccttcga 360
tgacctncag agcctcccaa acgacgtgga agagagcatc gtgatccagt gagccttgcc 420
cctaagcgtg tgtgtatgat ttgcnaccga tcgaggattt atgggagttt atgggacttt 480
attta 485

<210> 1790
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<400> 1790
gcctacgcgt ccgcccacgc gtccggtgga acagtttctg ccagataatc ctgtttgggg 60
gttaggaagg ctgatggcat gtgttttctg gactaacatt ttgcagccta tggaaatgta 120
tgtgtgctat ttattcttat gaattgtgca atgactcaca agcctaagca gtgtcagtta 180
cagctcaacc ttggtagaaa cccgtggtgt tttgytttt tttttgatgc gggggaaaga 240
ctgcattttg tgacgaattt attacctaac agaaagatct attttctcag tgataggcat 300
cacacaaggt gtctcctgtg acaaccctca gattaggaga aaaaaagcac atgtctgcta 360
gaagacaagc tatgtgtgtg tgttgtttaa aattctattc tgcaagggta gatctgctgc 420
tggaagttgg ggttggcttc caaganggaa tattaaaaat ttggaccaaa tgctccttgc 480
aaaactaggc atattnttac ttggaacaat ttattttggn aaacattttc cccaatnttg 540
gnttttaaaa ccagcccaac ctttt 565

<210> 1791
<211> 914
<212> DNA
<213> Homo sapiens

<400> 1791
agaagttgta catattcaga gttttccatt ggcagtgcca gtttctagcc aatagacttg 60
tctgatcata acattgtaag cctgtagctt gcccagctgc tgcctgggcc cccattctgc 120
tccctcgagg ttgctgggac aagctgctgc actgtctcag ttctgcttga atacctccat 180
cgatggggaa ctcacttcct ttggaaaaat tcttatgtca agctgaaatt ctctaattat 240
ttctcatcac ttccccagga gcagccagaa gacaggcagt agttttaatt tcaggaacag 300
gtgatccact ctgtaaaaca gcaggtaaat ttcactcaac cccatgtggg aattgatcta 360
tatctctact tccagggacc atttgccctt cccaaatccc tccaggccag aactgactgg 420
agcaggcatg gcccaccagg cttcaggagt aggggaagcc tggagcccca ctccagccct 480
gggacaactt gagaattccc cctgaggcca gttctgtcat ggatgctgtc ctgagaataa 540
cttgctgtcc cggtgtcacc tgcttccatc tcccagccca ccagccctct gcccacctca 600
catgcctccc catggattgg ggcctcccag gccccccacc ttatgtcaac ctgcacttct 660
tgttcaaaaa tcaggaaaag aaaagatttg aagaccccaa gtcttgtcaa taacttgctg 720

tgtggaagca gcgggggaag acctagaacc ctttccccag cacttggttt tccaacatga 780
tatttatgag taatttattt tgatatgtac atctcttatt ttcttacatt atttatgccc 840
ccaaattata tttatgtatg taagtgaggt ttgttttgta tattaaaatg gagtttgttt 900
gtaaaaaaaa aaaa 914

<210> 1792
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<400> 1792
ttggagctgg ggtgtaactg gaggggcggg cccttctcca agttagagtt ggggttctga 60
gcgagtcgtg cgttttaggt ttagtgtctt ttccttgtcc ctgctcgggg agcgtgaggc 120
agatcggccg gctttgctcc aggcctcagg agtgtcastc gcctnggctt gcacagtaca 180
ttggaacgtg cgggttctat tttgtattcg acgtgccgga tcgaaataga gctcgcggca 240
ctntgaagac cacagtagga agttaaggac gggggtgcag gttcgcagcc ctatcaacca 300
gctccgagcc 310

<210> 1793
<211> 1054
<212> DNA
<213> Homo sapiens

<400> 1793
aaatttttgt atagacattc ctttggttgg aagaatattt ataggcaata cagtcaaagt 60
ttcaaaatag catcacacaa aacatgttta taaatgaaca ggatgtaatg tacatagatg 120
acattaagaa aatttgtatg aaataattta gtcatcatga aatatttagt tgtcatataa 180
aaacccactg tttgagaatg atgctactct gatctaatga atgtgaacrt gtagatgttt 240
tgtgtgtatt tttttaaatg aaaactcaaa ataagacaag taatttgttg ataaatattt 300
ttaaagataa ctcagcatgt ttgtaaagca ggatacattt tactaaaagg ttcattggtt 360
ccaatcacag ctcataggta gagcaaagaa agggtggatg gattgaaaag attagcctct 420
gtctcggtgg caggttccca cctcgcaagc aattggaaac aaaacttttg gggagtttta 480
ttttgcatta gggtgtgttt tatgttaagc aaaacatact ttagaagcaa atgaaaaagg 540
caattgaaaa tcccagctat ttcacctaga tggaatagcc accctgagca gaactttgtg 600
atgcttcatt ctgtggaatt ttgtgcttrc tactgtatag tgcatgtggt gtaggttact 660
ctaactggtt ttgtcgacgt aaacatttaa agtgttatat tttttataaa aatgtttatt 720
tttaatgata tgagaaaaat tttgttaggc cacaaaaaca ctgcactgtg aacattttag 780
aaaaggtatg tcagactggg attaatgaca gcatgatttt caatgactgt aaattgcgat 840
aaggaaatgt actgattgcc aatacacccc accctcatta catcatcagg acttgaagcc 900
aagggttaac ccagcaagct acaaagaggg tgtgtcacac tgaaactcaa tagttgagtt 960
tggctgttgt tgcaggaaaa tgattataac taaaagctct ctgatagtgc agagacttac 1020

cagaagacac aaggaattgg tactgaagag ctat 1054

<210> 1794
<211> 797
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<400> 1794
ctggaaacta gtgggtcccc cgggcctgac aggaattcgg acagnaggga aaaattttgt 60
taggccacaa aaacactgca ctgtgaacat tttagaaaag gtatgtcaga ctgggattaa 120
tgacagcatg attttcaatg actgtaaatt gcgataagga aatgtactga ttgccaatac 180
accccaccct cattacatca tcaggacttg aagccaaggg ttaacccagc aagctacaaa 240
gagggtgtgt cacactgaaa ctcaatagtt gagtttggct gttgttgcag gaaaatgatt 300
ataactaaaa gctctctgat agtgcagaga cttaccagaa gacacaagga attgtactga 360
agagctatta caatccaaat attgccgttt cataaatgta ataagtaata ctaattcaca 420
gagtattgta aatggtggat gacaaaagaa aatctgctct gtggaaagaa agaactgtct 480
ctaccagggt caagagcatg aacgcatcaa tagaaagaac tcggggaaac atcccatcaa 540
caggactaca cacttgtata tacattcttg agaacactgc aatgtgaaaa tcacgtttgc 600
tatttataaa cttgtcctta gattaatgtg tctggacaga ttgtgggagt aagtgattct 660
tctaagaatt agatacttgt cactgcctat acctgcagct gaactgaatg gtacttcgta 720
tgttaatagt tgttctgata aatcatgcaa ttaaartaaa gtgatgcaac atcttgtaaa 780
aaaaaaaaaa aaaaaaa 797

<210> 1795
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<400> 1795
acctttacct tctgtagtgc cctaatctag ggtctgtgac tagaaaccca ggtcaattga 60
tgaaaatcca tgggagaaga aaatgtaaaa atgctttcag acattaggtg tatgaaatca 120

cacaatataa aagctatatc atattttrtt agagggattt ttttgctacc tttgctagta 180
cttgacagat tttataaaat gtnnaataaa atttgggnct gagaaattgt ttccccccct 240
ttttttttccc tgataaatgt ctctccaaca agcattgttg ctttaaattt agcactgtct 300
tcagcttttt attgctgatt cagtttctgt ggaaaggcct ttggaaaggt aagttctggg 360
cagg 364

<210> 1796
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1226)
<223> n equals a,t,g, or c

<400> 1796
gacgcgtggg atttcaaagc tggggagatt tcatttattt ccaaaatttt tcaaaaaact 60
tttactcagt tctgctgwta tttattaact taagagtgct cccatcccca tattttagct 120
ataggaaaat tgtgctaccc ctgattcata tggaattaaa aaaaaaatac atccctttat 180
tttgagtttt aagttgttat tttgctatac atttattact ggagtatctg gtggtctgaa 240
atagtcaaaa gtagagttgg tattaaatgt tccaatgaca tttatttttа atacttaaaa 300
aatcatgtac tttgaaatat gtcaaagcaa cttctgataa tatacctgaa tttgtagttg 360
tctcttgagc atcatttact tcatcttaga tatagtgaag atctaggaaa gctctatatg 420
ctgttctttt ctacagttgt atttttgcag catctcctgg tttcattcac tcttgttttg 480
ggattttgtt tttagatctg catatttctt gtacatatgc atgcaaatga aagaagggag 540
tttgtactgg tgccmtttct cccttcagtt gctggttaak ggggatttgc tagaaaaaat 600
tctcccgttg aagggtgaaa acagaccctt atgtgtatay ctgtacagag atgtgtatat 660
gggatgtggt ggcactttgc tgaatgtgaa cttgccttgt caatggaaag attgaaaagt 720
attatgttta tttatacatt tgtataaatc tatatataca cgtatgtata tgtgtgtgta 780
tagataaagc tatatacata tatttccctt aaaaatgtgt gtgtataata ggtaaacagc 840
ctttgttaag caagattaat gtctatggaa agttctggat tattctgtaa gccagaggag 900
gtgacagtct agagtacatc atcagaacat actaaaatgg aagtcctttg gattatagtt 960
ttgtttatgg atattacaca atgaatgctt gtctgaacag ttcttacttg ccagttccac 1020
tattcttcat cttcaccacc ttctactggt cagtctttca tcacttaaaa aaaaaaaatc 1080
acacatcatt gtggtttttt tccccccttaa ttctgtctct tctagccaga agcatctggc 1140
ttaagcatat ttcatcaact tctctgttat ttcttttaaa ggatctttat ctctgaaatt 1200
ttcccagaag gatacaagtt ttgggnaata ttatcaatag gaattttgag gacttggggc 1260
attcatc 1267

<210> 1797
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 1797

ggtcttagat tcagatagga gattcttctt aagatgctcc gtgtttttg ttttttgttt 60
ttctgtagaa gcaagagcag tctgtgatag aattatggca gcaagttctt aacccttcc 120
agattaccaa actctgagaa tctgacatag cctgagagtc ttttctctcc cttgaaaata 180
gccattaatt cagtgactgt ttggagctgt gaggaaaaaa aaaaaaaaga aaatagccat 240
tagctcatgt gtacacaatt caaggtacaa tatccagagc ttagagggcc cattttgggc 300
tctagattaa ggacttctac tacagaatat tggaaataaa tgtcaatgga ctgcttaaat 360
aaattatagt acatccataa caatgggagt attgtgtgat aattaaaagg gagggagacc 420
tattatcccc tactttggac caacctccaa gatattatta ngg 463

<210> 1798
<211> 891
<212> DNA
<213> Homo sapiens

<400> 1798
cacttcttgg ctaaattatt atatcaaata tattcaaatc atattcttaa actcatcgag 60
ccatttgaac aaaaattatt tttgtttagc ttcatgagta tctttggaaa ataatttgtt 120
gaatatatat gattatgaga tattttctga taaacactga attttgaaac ctgaactcac 180
tatataattg cagtgttttg aaggcctgca tccattagca ttgcattata ttcacactgc 240
ctttttttagt gaaccaagac ccatcttctg gacgacagat ttatcttaag atgaaaggtt 300
gtataacatg cccacaaggc ataaaaatgt taatgatgca agtaagttct aagagtttaa 360
tgaccaagca aaactctacc accagatgct gactgcttgt tttgcagtgt tcaggaaaca 420
ccattttcct ggctcttaac gcttttgtat tggtatggaa aagggctggc agctatagaa 480
caggagatcc atagcatttt gaacagaagt atctggaatc tcactgactc gtgtgttatc 540
aaagctatat caggcctggg tgactgaatt cttgcagaaa gcagtgtagt ggccaccatc 600
caaatcacca aaatggttct atgggagaaa ggaatgtcaa acttagtatt cacatatgaa 660
cactaactac tggaacagaa atgatagggc caagagatgc tttttaaatt gtcccttatt 720
ctaaattaaa aggaagtgat aattttgttg ttaaatcatg catatagcct gactgctata 780
ttgcttctca tttcattgta actacttata tgttgtgccc attgactatc atctgtgaat 840
aaagaaagac aatatttagc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 891

<210> 1799
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 1799
accctatcag acgtgggctg tccccatcaa aatatctgta cttcttgctt ctgccctaca 60
ttggaagcag cagaaaagaa gggtaagcag ggttctagaa atttgtgtta tgttttctcc 120
ccactgtatt tatttctttg gwtagtggtg caagaaattc tgttttcctg tagcaaatta 180
ataaagcgtt caaacataag gaattacgac aacagcttgt agatgccaga cttcaacaaa 240
cagcacagct gataaaagaa gctgatgaaa gacatcagag agagagagag tttgkaagtt 300
ctacttcttg gaaaaaaaaa aaaaaagggc ggccgctcta gaggatccaa gcttacgtac 360
nccgtgcatg ccgacgtcan aagctcttct ataggggnac ctaaaatcaa ttcactgggc 420
cgcgntttac aacg 434

<210> 1800
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1800
ctgttctgat atgctatccc tatttcatag ttaaatttaa aaccaaggaa ataaagtcct 60
gtattagttt ttttcttcct tgaatatcat gattatagaa atctttgctg atgtggacct 120
aaataagctt gttgttgaga cttccaragt tctgtcctgg gtagtttaaa agtctcaatt 180
ggccaaaact ttaatgaggt tttagtaaat cttaatacag aggaagggaa atttcaaaag 240
tatttacttc ttcactgaaa ggtgttgggt caaattcttc atctccatgc tattttggag 300
tttctcatta ctctttaact catcaaaaaa ttcattcttt taaatgcctt ttngtcctca 360
gctaagtaac aagcatactg cagaaatttn gttgaataaa ttaatgtgtg atttctttta 420
ggatggaaga gtgtagaaag tggtcccaa 449

<210> 1801
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (658)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (668)
<223> n equals a,t,g, or c

<400> 1801
ggnaaatata attacattac tatttaacac ctagcaaagc tattgtaggg tgtttccttt 60
tccactcaaa tatacacagc taggctaaaa aaagagattc cattttggc tggcaagatg 120
tttgggcatc agtaatattc ccatatcata cattgttata atgtccctga tagtatttaa 180
agaaaggaat tgatattagc tagtgattac taaacagcac aattctgtaa ctaaaggraa 240
aagaaactca ctaccattta gtagtctaca accttagcag ccttgtcaaa aatcaattct 300
attatttttg cagtatagtg gtatctattc aattttgaga aactataact gcttcacaaa 360
cacttacatc aagctaatca gtatttgagc catccataaa cagactatgt agaaaagcca 420
aacatctcat tagctacttt ggagttctcc ccttattttt aataaatgtc tgtcattaat 480
gacgtcacta ctgaagacca tgaaaaaagt atatagttga cccttgaaca acatgggttt 540
gaactgcaca ggtctactta tacacagatt tttttttaa ccaaatgcag atcaaaaata 600
cagtactgac aagatgcang aaccygkggt ttatgtgaaa tctctgtata ccaanaangg 660
gcccgacntt tatttcttat tattaattgg gggtt 695

<210> 1802
<211> 910
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<400> 1802
gctttctcca gctctgagga caataagcnt ggaaagcgtn tccgcacaaa ttccagaagc 60
actcccacta cccctcaagg gaaaccagag actacttttt tggaccaagg ctgctcttct 120

ccagtgttaa tcgactgtcc ccacccaaac tgcaacaaaa agtacaagca cattaacggc 180
ctgaggtacc accaggctca tgcacactta gacccagaaa acaagctgga gttcgagcct 240
gacagtgagg acaagatctc ggactgtgag gaaggattga gtaatgtggc acttgaatgc 300
agtgagccaa gcacaagtgt atctgcttat gaccagttga aggcaccggc atyccctggt 360
gctggaaacc cacctgggac cccaaaggga aagagagagc tgatgagcaa tggcccaggt 420
tccattattg gtgctaaass tgggaagaat tctggcaaaa agaagggcct taacaatgaa 480
ctgaacaacc ttccagtaat ctccaacatg acggctgcgt tagacagttg ctcggcagca 540
gacggcagtt tggctgctga gatgcctaaa ctggaagcag aaggattaat tgacaagaaa 600
aatttaggag ataaagaaaa gggcaaaaaa gctaacaact gcaaaacgga caaaaacctc 660
tctaaactga aaagtgcccg gcccattgcc cctgccccag cccccactcc cccgcagcta 720
atcgctatac ccactgcaac ctttacaacg accaccactg ggacaatacc cggactgccc 780
tccctcacaa caactgttgt tcaggctaca ccaaagagtc ctccgttaaa acccattcaa 840
ccaaagccca caattatggg agagcccatc accgtgaacc cagctctggt gtcactcaaa 900
gacaaaaaga 910

<210> 1803
<211> 540
<212> DNA
<213> Homo sapiens

<400> 1803
catttactct gtgtgagctc agcagaattg aattccaact tggatatagg tgtccatggt 60
gttctactta ccctgggttc cgccttcttc cttgcctggt ggcctttcat gacatcataa 120
ttttgatctt cctttgttgg atactctgat cttgttcaca gagaaacata agcctaaata 180
tatggtggtt atttttttgtg ttgtggcaga ctctaaatac tgagtctact cagcgttatt 240
ttgcaactag agtggaggaa tcctaaagtg ttaaaagggc tttgaagatt gagtcagcat 300
ccttatcata cagtgcagaa gtctgaatta cagagattat gcagtgtatc gtggtcaacc 360
agtaaatttg ttgtccgtaa agtacggtgc agaaatctga gattacagag attatgcagt 420
gtatcatggk caaccagtac atttttttgtc gttaacatcc agagccactg acagggaggg 480
tgaaaggcac agagtgaatt tttttgttcc ttgggctttt atcaagtttt gaagggatag 540

<210> 1804
<211> 231
<212> DNA
<213> Homo sapiens

<400> 1804
cccaacccgg cactcacagc cccgcagcgc atcccggtcg ccgcccagcc tcccgcaccc 60
ccatcgccgg agctgcgccg agagccccag ggaggtgcca tgcggacggg tgtgtggtgg 120
tccacgtatg gatcctggcc ggcctctggt gcggtggccg ggcgcccccc cgccttctcg 180
gacgcggggc cccacgtgca ctacggctgg ggcgacccca tccgcctgcg c 231

<210> 1805
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 1805
cggacggtgg gtgagagatc tggtggggag ctgatgttcc agtttgaggg ccctgcagct 60
ggagacccgt ggggatctga tgttccagtt tgagggtggt gcnatggtga cccaggcggg 120
agctgrtgtt ctagttktag ggccctacag ctggagaccc ggggargagc tgacgttccc 180
wttcgagggc tgtgcaggtg gagacctggg gaggarctga tgttgttcta atttragtgt 240
ggtgcagctg gagatccagg gatgagatgg ccctgcrgtt caaatatgag ggtcccggag 300
ctggactcta cgtgaggaac caatgctgcc tctgatgtct taggttgtgg agctggaaac 360
tcgcggagga actggtattg gngttcta 388

<210> 1806
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<400> 1806
aggcagaagg ccacgagaga gagaggagcg nggagagtgg tgaggaggat tcgtctctra 60
ctgatgaacc tcgccgtgcc tgtctgtcac atccaagtct gtgccagctg ctgggaggtc 120
agastcctgc cctgagaaac agcccagtcc ttggagaatg aaaccctgag ggtcagtgag 180
tggaggcctt ccctcggggc cagccattcc cgggargcct gagttgtgac ctggaagctc 240
trtgggtcmc caaractggc attttccttg ttatttttgt tgca 284

<210> 1807
<211> 334
<212> DNA
<213> Homo sapiens

<400> 1807
gtgagccact gtgtccagca gaaatgtact ttctagaaag aaaataattg gtacttcact 60
actttcccag ggaattcctt caggtgaatg tccacccttt tgatctagaa gcagactcac 120
aattttgttt gtttggcaaa tcagcctctg agctcaactt ccttgtctgt aaaatggggc 180
taaggaaatg tgggttgctt tttcaaaggt tactgttagg atggaatgag atcatgtgtg 240
taacaaaggc tttggaaact ttctggaatt tgaaggctat ataaataaaa gatggaccac 300
tctttcctta aatttggcac ctttcctgtt cttt 334

<210> 1808
<211> 921
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (812)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (845)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (876)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (888)
<223> n equals a,t,g, or c

<400> 1808
gttgtgctga agaatggcag agtacctgat ttatttagtc tcaaacaatt tcactgcctg 60
ctatgttcaa gacccggtag gtttaatgct ctgtagtagc tataatgtaa atgtaccatg 120
aagaaatgct attttcttct acttattctt catttcaaac tattgtctta tactagtgct 180
aagcattatc tgtttgtgat ttgctgaaaa acaaattctt tgtcaaagaa aatacttccc 240
ttaaaaatga gaaagcaatc ttaagtctca taaatctaat ccaggatcct tctatcataa 300
acttaactgt cttgawtttt actgagatta gccmaaatca gagccaaaaa attccccctt 360
gcactaattt gttaccctta cattgacatt aaaggtttgg catttaattc tccatcttga 420
tcttgaacta aatttcctga agaactgtaa ttgttacaag ccttgccact caggcatgtc 480
atgaanactc acttctgcca aaatagttat agctattaaa ttcctctgtg ataacttttt 540
tgttttccta actctaaatt aagatttggc acacagtaag acaacacaat ctaacaaaaa 600
agaatctgga tgttagattt aaatagattt gaatttaaat tcaggctgtg ctggttacca 660
actaggttac tttaggcaaa ttatgcaatc tgtgtgatcc tcagtttcct cttctgtaaa 720
gtgaggatgt tacctacttc atggcattat gtgaagattt aaagggatga ctttaaaagc 780
gcctattaat tgtctggcac ataaaatatt cnataagtgg tattattctt aaaaaatatt 840
atgancctat tgcctttgtc tgtcttatac tctgantgat actaattnaa ctaccttatg 900
gctgaagggc tgcttaatgc c 921

<210> 1809
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (628)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (764)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (805)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (837)
<223> n equals a,t,g, or c

<400> 1809
aaggaagtgg gatactggct ggcattgtca gtgttctaag tttcaggcat ttttatttt 60
cctggctaaa cgttggtgaa agttataacc tcctgcctgg gagaaaatat acatcaccta 120
aaatgaactt atggcaggtc taatcaaaag gctaaataca atttcagaaa aggttctgat 180
actcttgttt ttgataaagc atttttttcaa ctaaccatga attaagatga gtccatttgc 240
ctcttctgcc ttcactgagg gtttgggtta tacacctcta ctgaattgtg ttaataactg 300
tttggcagtg tgtacttttgt ttttgtgagt catgtctcat gaaatttatt ggaatgttta 360
atcatatttg ctaagaaatg tttctgctgt agttggattt gcccatattt atgtaggtgg 420
ttttaatttt ttaaatggtg attagtgtta aaaatcaatt taaatcatga ctaatatggt 480
aaaaagataa agcatcaaag cagtatttct cattcctgcc tcctcaatat ctaatactgg 540
gaagatactt caaagaatat tgagattgtc tgaagtttta gttaagattt tcacacatta 600
atatcaaaaa agtaagttta gtatttgntt ctccatgggt tatttgtaaa gctgtaaact 660
gagatatcgg tgactccgta ttatgactcc attagtgagc tgtggtatgg gtaggatttt 720
ctacttcttc tgtactttta cctggagact atttttacta aggngcttta taatggggtt 780
taaagcattg catttaccaa acaanggaaa atgctgnaaa tattgcatat tttatgnatt 840
tggaccaaaa gggtac 856

<210> 1810
<211> 662
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (615)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (629)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c

<400> 1810
tttaaactat gaaatgagga atgtaatccc ttctataaga tgtatactct ttgttatttg 60
ttgttaaatt ttggtcttgt tattccaact gatgcaaaat tctttttaca aagcactgaa 120
ataatacaga tttttcttca ttgtcagcag gatgagattg tctgaaacga agaataggta 180
tgatagtttt cttagatttt gcacatcata ggtggcaaag acactatcaa aacataagtt 240
tttaaatgta ctaggaagta ctttgtaaaa ccaaacggtc tgaagaaagt gacaggtaat 300
ttgtgagaat aaaactaaat tattggggta gtgtcttacc tctttgtata tttaaatgtt 360
ctgtttttta acatgtaaag gttatttttа tttgttgtag attgtgttag catgctataa 420
atgttagaaa gttcacttac aatctacttt aacttgaaga aagagagaaa tcgggtccaa 480
attgtatagc attgattgca acctagtgta gcctagtaga atttctgagt tttaaaattt 540
tttaaataat caaaatgtat tttattgaat tcatatcctg gaantatata tgtatcttat 600
taaatcttta aaatnattaa atgggcaant gattaatctt taagtccaat tgaaattggt 660
gn 662

<210> 1811
<211> 691
<212> DNA
<213> Homo sapiens

<400> 1811
tggaaaaagt attttaaaac cttcatcaat ggaaaagtgg tttggggttc ctggtttgac 60
cacgtgaaag gatggtggga gatgaaagac agacaccaga ttctcttcct cttctatgag 120
gacataaaga gggacccaaa gcatgaaatt cggaaggtga tgcagttcat gggaaagaag 180
gtggatgaaa cagtgctaga taaaattgtc caggagacgt catttgagaa aatgaaagaa 240
aatcccatga caaatcgttc tacagtttcc aaatctatct tggaccagtc aatttcctcc 300
ttcatgagaa aaggaactgt gggggattgg aaaaaccact tcactgttgc ccagaatgag 360
aggtttgatg aaatctatag aagaaagatg gaaggaacct ccataaactt ctgcatggaa 420
ctctgagcaa gatgtaaata aaattaaaag gtggatggca agagtgcaaa tactatcttc 480
aatccttcag tcccagccag aagaatctct gaaagcatat tgtgaatgta tacaatgtag 540
tacaaacaat ctctgtgatg attaacagta tgtcaccact tcatttttta aaaaggatca 600
cgtctaatgc ccattttccc aactattctt tccaaagtaa gatataaggt agcttaataa 660
actaagtaaa acgtaaaaaa aaaaaaaaaa a 691

<210> 1812
<211> 615
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1812
tgggaanaat ctcactcact attttggcaa agctggtacg cctgcaggta ccggtccgga 60
attcccgggt cgacccattc gtccgcnnca gcctctctaa gtaggaggcc ccagtgggag 120
agatgggctt tgactctggg gtcaaatgta gataattgga ctatggacag tggctggctg 180
gtcaccaaca atggtgtttg aaacaaacat ttagaggcca tatttgggct tataaaaata 240
gttctgggcc gtgcatggtg gctcacacct gcaatcccag cactttggga ggctgaggac 300
agcggatttc ttgagctcag gagttgggag accagcctgg gcaacatggt gataçctgtc 360
tgtctcttta aaataaaaaa aatcaatgaa gttatgtgat gggctcatgg ctacaggtgg 420
agaaaggcag tgcatatgca gcctcctcca tccttgacta aggctgacag agggctgggc 480
ccaccaytgc tcaccctgag gcctcgtctt ctgactcccc tcctttcatt tctaggtggc 540
attggtgarg ctgtgtccaa gagcagtaag tggccaancc tgncattact gttacccacc 600
tggcagttaa cccgg 615

<210> 1813
<211> 1205
<212> DNA
<213> Homo sapiens

<400> 1813
atttatttgg ctcttgggag ctcctactga aagtgctgaa atgtcgtact gacacttcag 60
acttatagct acctagactc caagtaagat ttatctctga ctggagggtt tctcctatta 120
aaaaccaaag agtgtagggt gccttcacct gctaggtaat cttctatgcc ctaatgggaa 180
gaatgggagc agcagacaag taagtgcagg aaggagaacc aaagctgtgt ccatgccctt 240
gaggaaagag aaattggacc agacaagttc agtggaaact ttctaatgga tccatcaact 300
tcatcttgtc taagcagagt catagctaga atgtgactga aataggagaa ccacgtccag 360
gggtcagggg ggattcctct gaaatcgcag ctggaacatt tcgtaatagt tctggtactg 420
cacccataga tactgtcacc tctactcttt cttccaatca ccattagcag atgccacagg 480

attcctactt ctgaaagttt ttgggccccg cagtggcaag accggagaag ccaataaagt 540
ttaaggctac atgtttattc catccacaaa tttggtgaag gaggaaatgt ttacaattct 600
gccatgccat gaataggagt tttccaccgg gtgtacactg ctgttaacaa ggtgtaaata 660
cttgtccagt aaagagaccg tacgtactgc tgatgggacg tcccaacaca atgccagatg 720
caaaaacttc tttggtgatt gcttttgata acactgagtg gctaaaggtc ttctttcaca 780
tctttgccca cctywaatcc tgaaggcaag gtctctggaa tttgagctgt gccctcacat 840
gcctccaagg caccaacaaa gcaaaatgaa gagtctgcac tgcttatcag ttgacccaac 900
actcagtcca cattggaggg gaaggggtgg tgggctgagg atgtcttctt cctgtccagg 960
atgcaatatg gtcaaggatg aaaggaaaga gatgctggga gcaagtctgc attgaagatg 1020
tatttctgtt gctttactac caaccctggt tataaatgat gaaactataa tgggtctgta 1080
atagctactt tcccatatag ctcttgtctg tacatacata aaattaaaaa waatagaaya 1140
cttccattac taacatgtgg tgacaagcat tcttcattta ccatttttat tccaaaaaca 1200
tgatt 1205

<210> 1814
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<400> 1814
gcggacgcgt gggcggctgc gtggctttag acaagtcttt taaccttgct gtgcttctga 60
tttctcagct gaaaaatgga gatgatgata atggtttctg taaggcctta tggtgaagca 120
cctagctcag ggcctggaag gcaggtgtaa ccagtggttc agttgttata aacgaacact 180
aaccctcgcc tttgcacctc atgaatccag atatgtagat ggagsccaca aagctagcag 240
gagccaagct cacgtgtgtc ctgctttaaa gccccatacc cctttctccg ggtgacaaac 300
acctgtgctc gttctcttcc cttcccctct tccccttgca tttggctaat aacaggccag 360

ctgcctgcct ccctgcagtt tggtagatgg gtgggtaatg accaccactc cccacgttcg 420
cctgatgggc ttgttttccg tgcccttcac aggcatctgc aacaggcccc agccaggcct 480
gaagtcatcc tcagaaggga tggatcctga ggtcgccatg cccagctggg caaacatgag 540
tctggattct tncccggagt cggctncctt ggctgtgang ctgganggag atgaactgnt 600

<210> 1815
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<400> 1815
aaaatgatat actactattg cttgtatatt gtggtatacg gtgtcaggtt tcagggtttt 60
ttttcaacgt taaatattct agaaactttc tgaaataatt tctgtttaaa aatattgaat 120
atttgcttca tttcaaatac tccctttga caaaaaaact taggtataac tgttgatgaa 180
aaaccagaaa aaagtccaga actctttggt gactccaact atggatagct tattttgaaa 240
aaggagaatt gcaaatttta ccaaaagatg gagaaaagca cattaaaaag ataccaacat 300
tcagaaattc atttcagcag ttattattgg aaatatttaa actaatttag ataactataa 360
gatacttatt gtccatttat acccgtaaag ccgttttaga agtaatattt taggtaatcc 420
aaaagtacta aataaatcat tttagttatg agaaatcttg cttatagaca aagaaaagaa 480
taacaagttg tcaatgaaaa gatgacatkg aamcatttgt atgkcnctct taamctacct 540
attgactata ttaagccttt aatac 565

<210> 1816
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 1816
ggtctgggga gggacctgaa actatagatt tctgacaagt ttccaggaaa tgctgatttt 60
actgttcagg gaccacactt tggaaaccac acaaatagga atctcatgca aacccaaggc 120
acctatcaaa aaattttcaa ccaagtgatt ctgcatgaca agggccagca gtgctaggga 180
agaaacaaca ttctgttctt tggcccgtca gcaatgacca ttgccagagc caaactgaga 240
aragtgggct gtctgttcaa ggaactgaaa tatataatct tancaa 286

<210> 1817
<211> 1320
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (1304)
<223> n equals a,t,g, or c

<400> 1817
gacggggttt caccatgtta gccaggctag tctcgaactc ctgacctcag gtgatccacc 60
cgcctccgcc tcccaaagtg ctgggattac aggtatcagc caccgtgcct ggcctaataa 120
ttggaacatt ttcatcatga aaatgtcatc agctttgcca aaagaaacaa ccaattgact 180
tgtktggcgt ttgttttcca ttttcatgtc aattttatgt atacagttag aatacccaag 240
gagaccacta aaatcagtta aacaagtagg gtatatacaa agaaagatga aacccgaaag 300
tacataaaaa ggatttaaat ccgattttag atgtacctag tgtgtatttc ttatctctag 360
acaagttcat gtttattgtt taatttatgc ccaagtgaag ttgtaaactt atggttcaac 420
tctgacacag aatttgtcac ttgtctgagg tcagtggcag gtttctctgc tgtcaacact 480
ctgtgtcacc caccagatta gtataactat taattcagac tgtactccta tgtttaagat 540
aatttttaca agagctggct gaagcagcac attagtaacc tgacaagatt tctttttyyy 600
ttttcagggg gaaagggtca ccttaaaaat aaattatttt cagggacttt gggaatctaa 660
tgataaatat tacacataat ctatgaatag cttaatcctt tatatattcc ttaaaatagg 720
aattcctcga catcactcct ggccacactt tccttgcctg tgttgttgct atgtgtattt 780
gaaagtaata tctgcattcc ttttaagatg ttctgtaagt catatttgtc agttatacag 840
agtagtcttc cttttcccca cgttcagtgt aatctcactg aacagtaata atagcaatag 900
ctaacaacat ctgcacagca ccttacagtt tgcaaagaac gttcacacat tctcatttga 960
gttttgcata gtgaacctgt tacgagatgt ctcttgacgt cgatgctaaa agtgttagaa 1020
tctttacatc actagagtca ttgaatatgc tgtagtattg aatagtgccc tgactagggg 1080
gaggatttgg atgtgctgca tttcaagccg tgtataatca tcaaaatggg gggcttgagt 1140
tctttagcta cttgaatccg atttacttct gttaagtgat gcttttctaa ccgttttctg 1200
gatggatttt gtattcacta tattgtagct tgtaatttgt ataaatgtac catctgatgt 1260
cattaaaaaa agtgtttgta gtgctaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 1320

<210> 1818
<211> 821
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (816)
<223> n equals a,t,g, or c

<400> 1818
acaagtcaaa atacagagat gatgtaagca ttgcatttcg tatgtagaga tggtaaaaga 60
tgactatgag gacgattccc atgttttccg gaaacccgcc aatgacatca catcccagct 120
ggagattaat tttggtaacc tccctcgtcc tgggcgtgga gccagaggag gcacccgggg 180
aggccgggga aggatcagga gggcagagaa ctatggaccc agagcagaag tggtgatgca 240
agatgttgcc cccaacccag atgacccgga agatttccct gcgctgtctt gaaagagccc 300
tgtttcccag caccgcggag ctgcactgca cacctgtggg gagacttttc cagctgggcc 360
aagggagtca gactctaaga acaatagatg ttgcttttcc cgtgtcatgt aaatttgttg 420
cactttttg ggctgagctg ttagaggggc ttctccagag gctcgagagc aggccatttc 480
ccaagaagat gaagaatggt gactgtgttt ttattgaagg aatttcaaat gaagaataat 540
gtttaaaatg tgtatataga gatagtatag actcctccgc ggaagcatgg agggaaagga 600
ggttgtaaaa tagactccat ggagactctt aggaagcagt agattcccgg gggctgtgcc 660
tttagcgtta gaggaaacac atagagctgg aactgttaat ggaaagcagt cacagctgag 720
ttttcggaga ccaagaaatt aaaatacaat tgcacttaca aaaaaaaaaa aaaaaaaaaa 780

aactckaggg ggggcccgta cccaatcgcc ttgtgntgca t 821

<210> 1819
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<400> 1819
gctagtytct agatcgcgag cggccttaat gttatcgaag gagaaatgtg aaacttgagt 60
ttagggttac tgccgaagga agaccaaatt gaatgaaatc tggccttgga attggctgta 120
gattcttcct cctcgaattg ttactgaaaa ggagtcttaa aaattgaaaa tgttagcaga 180
gcattttgta gtgttacagg ctttgttaat ttttcattgt agtacctgtt gctggcagag 240
taacttttca gaattgtaag atttgatata aacctgaatt caaggtaaaa tttagtcgtt 300
aaactgcacc tgacgagatt atgtccaanc aggctttata cgtattgcac tgtggaaact 360
tncaaatata 370

<210> 1820
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<400> 1820
ggaggagccc agcagagtcc ctgggcagtc tgacccctttt aattgtggac taacttctcc 60
cagaacccat gataaggagt ttctctcctg attgaggata ccaagtgtgt gactgttagg 120
cagagcattg cagccccatt ttggtgttga tatggaaatt cctaggtcac tatgcagaca 180
agaaaaccag gaccccagga gccagaaaaa cttgctgcaa gtctctagtt tgctcctatg 240
aatgcccctc caccctggaa gaagccctag acagtcctgt ccctttcttc ctgggtgcac 300
gtgtcccctg ntgctaggcc tggggcaatc ctggggtggt ttggctggcc cttgggggct 360
gggcttnctc cctgccancc tgccacagnt gcactattct ct 402

<210> 1821
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<400> 1821
gattttattg ttacagtgaa gagagccaac tcacagattt agatgatttt aaagatgcag 60
ttcaaatgag ggaaggatgt aaatactgtt tttcaattag ngaattaaca gttgcaaaag 120
tgggttactc catagagagc ttgtgatttc atgaaagcca tcaaagagta aacctcttgt 180
atagacagat tccttaattg ggtgtgcgtg ctcacacgtg tgtgtgcaca tctgggtgtg 240
taatatatgt atgtgtacct cagtcctagg gctgtggtaa caaagtacca caanctggct 300
taaaanagaa atgtattctc acaagtcggg aatcaaggtg ttgacggg 348

<210> 1822
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 1822
aattcggcac gaggaaactt ccattgctct tcaggacaat tatgagatca gatatacagc 60
tatctctgtt ataaagaatc ttttgataaa acatgcattt gacacaagat accagcacaa 120
gaaccaacaa gccaaaatag cacaattgta cctncccttt gttggactac ttttggaaaa 180
tatacagcga ttagcaggtc gagatacctt gtattcttgt gcagccatgc ctaattctgc 240
atccagagat gagtttccat gtggctttac ttcacctgcc aatagaggga gtctgagcac 300
tgacaaagac accgcttatg ggtcttttca aaatggacat ggaattaaga gagaagattc 360
aagaggttcc ctcttcccag aaggagcaac aggatttcca gatcagggca acactggtga 420
aaatacccga cagaattcta caaggantat tgtatcccan tataaccgcc tggatcagta 480
tgaaatcaca acctcctgat gttgctacct gt 512

<210> 1823
<211> 940
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 1823
tcttgattgt gataagcccc cctggaggat atgattcact ttatgtgatt catcttattc 60
acaggtctgt gagggactgc gaanttactc aggaaatgaa aacaaatgat ggtcatgttg 120
cagtttttc cttgaaggac aaccgaacca tagcctctaa agttcaagtg cactgaggtg 180
tcggaacgct gaaagcatga ggaaacgagg acgtagggtg tgactgaatg gtggctagat 240
tagtgggagc agttcacctg gatgaagatt gagagcatcg tctttgagaa gtgaaagact 300
agcaagaata aaataaatta agtccagtgt ttgagccaag gttgccacct gtctcttaac 360
atctcactga acataagtcc tgaggtatta ggacgaccat actgcctctg agctgaaaac 420
attcaaaagt tcacatccct gtttgggggа taccattcac cgccttcagc ccagatgata 480
ctttccttta aatctgtgtc tctgtgtgta taacaaagag gaagatggaa acaatgttca 540
tggaaactgc tgttgagccc cttgtcccac cactcccgcc atctgctgca ggcaggaagg 600
catgtgagtg tacgttttct tccaggagac atcaggtccc ccyggattca aattaagtgc 660
aatattttgc aaacagctct tcttagggaa atctcctgaa ggaaaaaaat gtgacagaat 720
gttccatagt ctgagagaat ggaatcgttg agcatttagt acaagtccag tgtgtgtgag 780
cgggacttag gcagctcaag cttgcttttt tttttaagcg tacaattgag tggttttagt 840
aaattcacaa acttgttcaa ccatcaccac tatctaattc cagactcacg ctttttaaa 900
caataaatgt catttcatga aaaaaaaaaa aaaaaaaaat 940

<210> 1824
<211> 502
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 1824
gtgctccacc gcggtgcgnc cgctctagaa ctagtggatc ccccgggctt caggaattcg 60
gcacgagcac ctncgcagcc atacccagga gaaagtggta gcctgcccca cctgtggggg 120
catgtttgcc aacaatacca agttcttaga tcacatccgt cgncagacct cattggatca 180
gcagcacttc cagtgttctc actgttccaa gagatttgcc acagagcggc tattgcggga 240
ccacatgcgc aaccatgtga atcactataa gtgccctctg tgtgacatga cctgcccgct 300
gccttcctnc ctccgcaacc acatgcgctt tcgtcacagt gaggaccggc cctttaaatg 360
tgastgttgt gactacagct gcaagaatct tatygacctc cagaagcacc tggataccca 420
cagcgaggag ccagcctaca ggtgtgattt tgagaactgc acttcagtgc scgatccctt 480
gctctatcaa gtcccattac cg 502

<210> 1825
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<400> 1825
gagtgtgttc ctgtgggtgc ctcagctctt ctactttnaa tttaaccctt aaatatacag 60
tagtgtggat ggaagctggg gaatgaactc ttgccaacag aagatttata gtcttatgaa 120
tgagtaaatt ctagatcttt ggaggttgat ttagaaagaa cggtactgtt aaattctgag 180
tgtttttgtt tcagtggggt ggagttagta atagcttttc cttgtccaat aggaagtggg 240
taaattgcca aaccactgag atcactattg ttgactcaga ttcaggaata agattagcgt 300
aggaaagctg tcgagtaacc ctggaattgg ggctggttgt gattctgttt gctcttggct 360
ggtgaggagg ctatgagttg gtatagccag tggtcccagg atcctgaatg tgttgctaaa 420
ccatatactg ctttccatgg gctgttttta ggggccaggg ttggaggaga tatggtgttg 480
ggtagcaact tgccctgtaa tagatggaga gctgttttct ccatggctcc tgcagtgtga 540
gaggtgaggt gccagcttag agaaaattcc agatcctcgt tcatgattct taagcagatc 600

cagattctta agcagatcca gattcttaag cagatatagc a 641

<210> 1826
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 1826
tcctccaggt gactctctcn tcctggccag naatagcccc cagacttttt ttaccccact 60
ggggtcaaag tttcccatgg accaaggaaa gaancttgca gcctttcttt aaaagcttag 120
gccctggacc ttggcaccag catcactnct cgctgtattc tattcatcaa aagcacttga 180
aaccaaccca gatatgttca atggggagca tccatgtata gccccaattt gagacaagct 240
actatccttt aaaagacagg acttgcaagt gatgggaaag aataaaaacc cttccacagc 300
catgtctata catattaatt attattttca tctctccccg atatgtatat gttagtttaa 360
trtgttgaat aatataaaac catttatttt tttcaaaatt gtagaattga aagaaagggt 420
aataggaggc catgctgaaa aaaaaaa 447

<210> 1827
<211> 590
<212> DNA
<213> Homo sapiens

<400> 1827
tttttgaatc ttccttaagt ttataaatat ttatttttta aaagaagatg ctgtgcctgt 60
gagaccatac ttttttttt ttttttttt ttttttttt ttttggtgac tgcaaaggac 120
agagaacctt tccactttgg ccatactggg ttgctaagcc ggagccattt cagctcctgg 180
ctcctcaaga taacggcgag tccagtgcca tcttggagaa gctccagggg cagggctgac 240
ttttctccta caggaggaac aatgtgggga tctgagggat gggagggaga cttcccccta 300
gagtggtggt cctgctgggg gctcatatcc agggacccaa aaggggggct gtgtaggagg 360
ttccacattg gaggggctct ctctctcgca gctgtcagag ttggtcctgg ctgtggcgtc 420
caaacagctt gagggaaaaa gatcctgtct aaccacctca tctactactc aagttctttc 480

tgaaggaggg atttcttcag ttaaccatgg acagtgaggt ttctcaccac agtaacttga 540
gtccaggttg agggggagac agatctgtgg taaatctctg acttgggcag 590

<210> 1828
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<400> 1828
ggnaattccc gggtcgaccc acgcgtccgc agaaatgtta caagagtaag aggttcttac 60
ttgtacatag gctttcctgc tgaaaacagg cccctgctgt acagattttg ggtacataat 120
ttagctcttt tagtcaatcc aagagattta agtgaccccc ccccccccgt gttttttttg 180
tttttgtttt tgttttgaat gccatgtaaa ggctttttgg ttaagacctc acttttaaaa 240
ctgccttaag tataaatagt acctttggaa tayatttagt tcatcatttg agctgccttc 300
atactggttt cctcagcctt ccttcagcct gtaatatttt cagcccactg tttaccttgt 360
ctcaataaaa ggtttctaat gccaaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaa 425

<210> 1829
<211> 382
<212> DNA
<213> Homo sapiens

<400> 1829
gtattacaaa tcttattgta cgcattttgt actagagaaa aacactgaag cagttgctca 60
aactttgttc aacatcaggg aatttatatt ggagaaaaat cctgcaaatg taatgaattt 120
ggaaaaacat ttttttcaa aaactacggc gtagaaaaca tgaatttata ttgaaatgtg 180
tttttgcaga tgcagtaagt atgaaaaata tttaatccaa aattgagtct atgtaaatat 240
taaataattt acagtagaaa taactaaggc actgacactt tagacattac actaaaacag 300
agtgttgagt ataaaaaaat ctataagttg ttagattatt tgtaaataac tttaaaagga 360
gtagaagatt cctttgggag ag 382

<210> 1830
<211> 832
<212> DNA
<213> Homo sapiens

<400> 1830
cagggctggt gcacaaatat ggccaattca aggagaaaca gggcagataa tcccacagag 60
ccggtgacac gcccatccta ttcctgagta gacagagcca tttccatcac tctcaggcct 120
ctgtgggtaa ttggagctga caaggtccca tgcatagcag atgagattag tcccagctgg 180
acgtttccca gaaatggtcc tggggtttcc agtaacctct caratrarat cacttgtcta 240
gagatcactc tggaatatgt ctcatataag gcaaggagtc atggaaactg aatcatgttg 300
agagaggatg ttgtaggaat agaagcttct ggacaaagaa tgaggaagac tctggagatc 360
tagagagtgg ggatttgtga gtggtttcag gttttgtttt tgtttttctt ctcttggcac 420
ccccaagcac taggcttatt tgctggacag aaatagatct taagtggaga ctgcaagttc 480

ttccgacgtg atgcactgga ggagatgcat gcctggaaaa gctctgccac ttgctggctg 540
ggtggcctgg gaacctctgg gtctcaggct cctcatccat aaaatgggga taataactaa 600
ttctcattaa ataagaaaca caagattgat ttgtggtaag cttaataagt aacaactact 660
cgagaaaata gccttttaaa gaactgacaa ccattgctaa gtgtctaccc taaaaaaaga 720
aataccagag atataagaaa aggtatacgt gcaaaaaaaa gttcattgtk taatggaaaa 780
tattagaaat atattcaaca aagggaatgt tcagtacccc ctccccacca aa 832

<210> 1831
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<400> 1831
nttcggcaca ggcgaaatca gccatggctt tacttagttc ccaagtacac atcttcttat 60
ccacaaggat gaaactctgt agggctcacc ctgagggctc atgtgtggca ttgagagggt 120
agcagtgacc agaacaccac aaggcccaca agatgttttg aatgagggaa catttaatgt 180
catttgttag gagatagaaa ccaaataata aaggacaagg accacgctca ttccgtggag 240
aagaggtgaa ctcccctctgc tgactatttg gaatggactg aatgaggagg tctctccagc 300
cagaaggagt attgaggtca tcaggcctca gaaaacaatg tacacataat ctcgggctgt 360
gaacaagaga aaggaggggg ggaaacatga aagtcaatct taacaatttt tgcaatacct 420
cttatttgca gaccattgga tttatgttat tgcactctcg gtgtgattta tcgtatgtat 480
ctgataggtt ttatgaattg ttttgagttg taaactccta tacccttttat taaaatggac 540
ctaattaagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gtcgtatcga 590

<210> 1832
<211> 3266
<212> DNA
<213> Homo sapiens

<400> 1832
ggaccagcta agggaggcaa gaagaagaag gatcctaatg ctcccaaaag gccaccgtct 60
ggattcttcc tgttctgttc agaattccgc cccaagatca aatccacaaa ccccggcatc 120
tctattggag acgtggcaaa aaagctgggt gagatgtgga ataatttaaa tgacagtgaa 180
aagcagcctt acatcactaa ggcggcaaag ctgaaggaga agtatgagaa ggatgttgct 240
gactataagt cgaaaggaaa gtttgatggt gcaaagggtc ctgctaaagt tgcccggaaa 300
aaggtggaag aggaagatga agaagaggag gaggaagaag aggaggagga ggaggaggag 360
gatgaataaa gaaactgttt atctgtctcc ttgtgaatac ttagagtagg ggagcgccgt 420
aattgacaca tctcttattt gagaagtgtc tgttgccctc attaggttta attacaaaat 480
ttgatcacga tcatattgta gtctctcaaa gtgctctaga aattgtcagt ggtttacatg 540
aagtggccat gggtgtctgg agcaccctga aactgtatca aagttgtaca tatttccaaa 600
catttttaaa atgaaaaggc actctcgtgt tctcctcact ctgtgcactt tgctgttggt 660
gtgacaaggc atttaaagat gtttctggca ttttcttttt atttgtaagg tggtggtaac 720
tatggttatt ggctagaaat cctgagtttt caactgtata tatctatagt ttgtaaaaag 780
aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg gcgttgaggc tgtggggaag 840
atgccttttg ggagaggctg tagctcaggg cgtgcactgt gaggctggac ctgttgactc 900
tgcaggggc atccatttag cttcaggttg tcttgtttct gtatatagtg acatagcatt 960

ctgctgccat cttagctgtg gacaaagggg ggtcagctgg catgagaata ttttttttt 1020
taagtgcggt agtttttaaa ctgtttgttt ttaaacaaac tatagaactc ttcattgtca 1080
gcaaagcaaa gagtcactgc atcaatgaaa gttcaagaac ctcctgtact taaacacgat 1140
tcgcaacgtt ctgttatttt ttttgtatgt ttagaatgct gaaatgtttt tgaagttaaa 1200
taaacagtat tacattttta aaactcttct ctattataac agtcaatttc tgactcacag 1260
cagtgaacaa acccccactc cattgtattt ggagactggc ctccctataa atgtggtagc 1320
ttcttttatt actcagtggc cagctcactt agggctgaga tgaaggagag ggctacttga 1380
agctactgtg tgattttgtt tgtgtctgag tggcattcag atgaagtctg gaggagttag 1440
gagaacgaca taggcaaggt tcagcagcct tccaaggtat aggaaggtgg gtgattagga 1500
ctgaggctat ctaggtttaa cttttgtccc acctccaccc cctattttgt ggggccaaat 1560
gcattgctaa acagcaattt cagagtgtat ggtgtgtcaa aaattaaggc cttattgktt 1620
ttctctttca cccctacccc ccgtgctcct ggcacatatc acattatttg tggtgcccaa 1680
catttggggt cttgagcctg ctgctggtct cctggatgcc agtgagggta tgtgggatgg 1740
ggtggtgggg taggggacgg tatccttttt ttgctcctac ttggaaacac caaacacccc 1800
aaggaagatg ataggctcca tcttgggcca cctgagctat agggcaggct aatggaatca 1860
accatttctg agcactaaat gtatcatgaa aagttgaatg gcctgctcat aagtttagct 1920
cattcactgg aaatgtagat tgatgttcaa tgttaaactg gaaggagctt ggtttgtgtg 1980
tcagtggtta tattagtggg tagtgtaaca ttttatccag gttggggtga ggggagatgg 2040
ccacagtagc aagtggtgac actaaatacc attttgaagg ctgatgtgta tatacatcat 2100
tactgtccgt agcaatgaag gatacagtac tgtgttgtgg gtgagtgttg ctattgccca 2160
gcattaatat ttgggtgtgt atgtttgagg ctatgaaaca cgcaggagtg tttttgtgct 2220
attaatttta agagaaagca gctttttctt aaaattcact gttgagaaac ttgcatgtct 2280
ggaggcggtg tcctctccgc cctgtcgggt cctggatgag tacgagttat ggtcacggtc 2340
acagcctgat ctcttatgtg ttcatagcca ttcgctctcc catcagaact gtttgtcctg 2400
aatgtgttcc tctagttcta gaaaatgacc actaatttaa aaaactcggt tgtgaggttt 2460
gcccagaggc acttgttcca gaatttcccc tcctgcttca gccatgtcct tgtcacttgg 2520
cattctaagc taaagcttta gcttcccaat tcgtgatgtg ctaggccaag attcgggagc 2580
tgttgccagc ctcgtcaaat atggaagaga aacaacctgc ggtcaaaagg gagtgatttg 2640
ttaagtggtg cgcgtctatc tcataactag atgtaccaac cagggaaggg ccaaggatgg 2700
aaaggggtaa cttttgtgct tccaaagtag ctaagcagaa gtgggggagc agtttagcca 2760
gatgatcttt gattaggcaa acattgagtt ttaaagaggc tgtcaagttg aggccacttg 2820
gtccattagc tggggcagca agatcactac tcaacgtttt cacactgtgg caagattgct 2880
cttctagtgg aataatgccc tagtttctct gagatgatgt aagtggcatg atgttaccta 2940
aggcttaggc ttagcttgat ttctgggccc actgtctgtg ttcttaagat gccaacctgt 3000
tgctttttt ttttttcccc ccatttaaaa ggatagtacc tactccctct aaccacctca 3060
ccccattctt gaatgacatt ttatcttcgg aaagaacaag gctgtgatgt agtgactatt 3120
gtctgtgtct cctgtgtgtg tctgttcttg tcacaaatgt atttggggac gttggatgca 3180
ttcattttct gtaataaagt ttcttaatca ctcttcccaa aaarwaaaaa aaaaaaaaaa 3240
aaaaaaaaaa aaaaaaaaaa aaaaaa 3266

<210> 1833
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (848)
<223> n equals a,t,g, or c

<400> 1833

agattcattt ttccatttaa atttcagttt cttggatcac tgaatatggg aagggagagc 60
ttcactaatt agacgcagct tcttaagaac ttatattctc tttgacatac atctcaacaa 120
aaaaaaaatc taactgaaga actaagttga ttttttattt gccataaacc aagcaaaagt 180
aaatgcaata atttcgagat ttatggtaaa caaatttgag gtatggataa atctttcaca 240
tatttttat tgctctttag taaagaaagg cacaagaaag aaaatatcca gctctcttgt 300
gttatctcag tgtggcgact gcagaaaatt gacaatgcct gcctgtgtaa atgtatggct 360
tactgtcaaa gcttcattct tggctgcatg ttgaaaatgt gattaaagtt aatagaggag 420
atgaaawaag tatttgagat ttttttcaat aacactgaac ttctgccaac tttctctatc 480
cgctactgta ggcttgacag gctcatcaat catttgctgg tacctggact aaaaagcgca 540
cttgctgaca ccaaggcatg ttggaatttt cttaattcag tggatggaaa aagaaatact 600
tccaaaaata tcccacacat gaaaagggag gggagcctta aatgaaaatt ccctttgtac 660
cgtagacact ttttggaatg cgattaattg ccaacacatc attgaacgaa tgctgtaacc 720
aagaaattaa gattgtgtgt gtgaagggaa tatattctta actgtggcta cccaacttgt 780
atagcaaaga tttctgatag tttgtgttca tctcatgtga ataataaata ctttacccta 840
aaaaaaanaa aaaaaaag 858

<210> 1834
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<400> 1834
ataaagacat gtgaccttct tgggtggtat actggcaatt tttaaaatat ctgatttatt 60
gtcagctcac cacatgatgt gatatttgtt catgttgaag tagtgtgaaa gtaggcacat 120
tagtatgaaa gtatttctat taaagctgna attgctataa taacactaaa tcctgtgttg 180
gcatggaata actagatggt tttaagaaag tactttcttt ggaagattgg gagaaagtac 240
tttaatttaa acattaaaaa gattggtaac tgctattttc aacagcagtc cccttan 297

<210> 1835
<211> 1258
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1237)
<223> n equals a,t,g, or c

<400> 1835
acaagatggc caaaggtgct aaagagattg atatcgcagc gaccctggag cacttgagtt 60
cgcgctgaca gccagtggct gaggaggtga acgccatcct caaggccctt ccccagtgag 120

cggcagctca ggggcctcag gggagccccc accccacgga tgttgtcagc ccaagcagag 180
tgattcaggg gctccccggg ggcagacacc tgtgyacccc atgagtagtg cccacttgag 240
gctggcactc ccctgacctc acctttgcaa agttacagat gcaccccaac attgagatgt 300
gtttttaatg ttaaaatatt gatttctacg ttatgaaaac agatgccccc gtgaatgctt 360
acctgtgaga taaccacaac caggaagaac aaatctgggc attgagcaag ctatgagggt 420
ccccgggagc acacgaaccc tgccaggccc ccgctggctc ctccaggcac gtcccggacc 480
tgtggggccc cagagagggg acatttccct cctgggagag aaggagatca gggcaactcg 540
gagagggctg cgagcatttc cctcccggga gagatcaggg cgacctgcac gcactgcgta 600
gagcctggaa gggaagtgag aaaccagccg accggccctg cccctcttcc cgggatcact 660
taatgaacca cgtgttttga catcatgtaa acctaagcac gtagagatga ttcggatttg 720
acaaaataac atttgagtat ccgattcgcc atcacccccc accccagaaa taggacaatt 780
cacttcattg accaggatga tcacatggaa ggcggcgcag aggcagctgt gtgggctgca 840
gatttcctgt gtggggttca gcgtagaaaa cgcacctcca tcccgccctt cccacagcat 900
tcctccatct tagatagatg gtactctcca aaggccctac cagagggaac acggcctact 960
gagcggacag aatgatgcca aaatattgct tatgtctcta catggtattg taatgaatat 1020
ctgctttaat atagctatca tttcttttcc aaaattactt ctctctatct ggaatttaat 1080
taatcgaaat gaatttatct gaatatagga agcatatgcc tacttgtaat ttctaactcc 1140
ttatgtttga agagaaactc cggtgtgaga tatacaaata tatttaattg tgtcatatta 1200
aacttctgat ttcacaaaaa aaaaaaaaaa aaaaaanccc gggggggccc ggaccatt 1258

<210> 1836
<211> 761
<212> DNA
<213> Homo sapiens

<400> 1836
cagaatttac ccctgacgcg gcggcggccg acgggaagct gtgtgtgctt aggtcgtggt 60
ggccccggtg gtggtgggct ccgggcgggc tcgcgtcatc ctgcccccgc tgcgatgcat 120
ccgcggcgcc cggacggatt tgatggcttg ggctaccggg gtggtgcccg ggacgagcag 180
ggctttggcg gcgccttccc tgcaaggtcc ttcagcaccg ggtcggacct gggccactgg 240
gtgacgactc ccccagatat ccccggcagc cgcaacctgc actggggcga gaagagcccg 300
ccctacggcg tgcccaccac ctccaccccg tacgaaggcc ccacggagga acccttttcc 360
agtggcggcg gcggcagtgt gcargggcag agcagtgaac agctgaatag atttgctgga 420
tttggtattg gacttgcaag tctctttaca gaaaatgtat tggcacatcc ttgcattgtt 480
ctacgccgcc aatgtcaggt taattaccat gctcagcatt accatctcac tccatttaca 540
gtcatcaata ttatgtacag tttcaacaaa actcagggac ctagagccct gtggaaagga 600
atgggaagta catttattgt ccagggagtc acacttggag cagaaggcat aattagtgaa 660
tttacacctt tgccaaggga ggttttacat aaatggagtc ctaaacaaat aggagaacac 720
cttctactga aatccctaaa cttacgtggt ggcaatgcct t 761

<210> 1837
<211> 925
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<400> 1837
aagacattgg accagagtgg agacgcgccc ttgtccccgg gaggggggcgg ggcagcctcg 60
ggctgcggct cgaggccacg cccccgtgcc cagggcgggg ttcggggacc ggnntgccgg 120
cctcccttcc cctatggact cctcgacccc cctcctaccc ctccccctcgc gcgctcgcgg 180
acctcgctgg agccggtgcc ttacacagcg aacgcgggga ggggcagggc cccctgacac 240
tgcagcactg agacacgagc cccctccccc agcccgtcac ccggggccgg ggcgaggggc 300
ccatttcttg tatctggctg gactagatcc tattctgtcc cgcggcggcc tncaaagcct 360
cccaccccac cccacgcaca ttcctggtcc ggtcgggtct ggcttggggt ccccctttct 420
ctgtttccct cgtttgtctc tatcccgccc tcttgtcgtc tctctgtagt gcctgtcttt 480
ccctatttgc ctctcctttc tctctgtcct gtcgtctctt gtccctcggc cctccctggt 540
tttgtctagt ctccctgtct ctcctgattt cttctcttta ctcattctcc cgggcaggtc 600
ccactggaag gaccagactc tcccaaataa atccccacac gaacaaaatc caaaaccaaa 660
tccccctcyc taccggagcc gggaccctcc gccgcagcag aattaaactt ttttctgtgt 720
ctgaggccct gctgacctgt gtgtgtgtgt gtgtgtgtgt gttgggggag ggtgacctag 780
attgcagcat aaggactcta agtgagactg aaggaagatg ggaagatgac taactggggc 840
cggaggagac tggcagacag gcttttatcc tctgagagac ttagaggtgg ggaataatca 900
caaaaataaa atgatcataa tagct 925

<210> 1838
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<400> 1838
ggcacgaggt tgaaaataac acattaggaa gtccagctgc ctcagagctt ttagagcatc 60
tcaaacctac ttattggttt tctgcccacc ttcatgtgaa gtttgccgcc ttgatgcagc 120
atcaggcaaa ggataaagga cagacagcca gagcaaccaa atttttagcc ttggacaaat 180

gcttaccaca tagagatttt cttcagatat tagagataga acatgacccc agtgctcctg 240
attacttgga atatgatatt gaatggctca ctattctcag ggctacggat gatcttatta 300
atgtgactgg gcgcctgtgg aatatgccag aaaataatgg cctgcatgca aggtgggatt 360
atagtgcaac agaagaaggt atgaaagaag tattggaaaa attgaatcat gatctcaagg 420
ntccatgtaa ctttagtgta acagctgctt gttatgatcc tagcaagcca canacacaaa 480
tgcagctgat tcataggatc aatcctcana caactgaatt ttgtgcccaa cttggcatca 540
ta 542

<210> 1839
<211> 442
<212> DNA
<213> Homo sapiens

<400> 1839
tgcctataaa attacactgc ctcgaattat gaaattcagg gatcttgtac ataattctaa 60
gtttgggaca gaaatttaca agcgatttct catatataca tacatttata tatgtacatg 120
ttacatatat ttagatgtat tctcatatac atatgaaaat atttatgatg aatagaatta 180
taagatatgt atgtatcttg cactgaatca taatttgaaa tatttcatga attcatttac 240
ttctattgac tcccaaaatt ctaackgcaa gctagcttca gaacctgtga gaaccccacc 300
ccacccaagc agctgcctag atttgtctac tgctatcatt ttgtgtaaag cagttgttct 360
aacttgaatg agtctagaat tcatcattaa gattgtgata tttatagagc atccaatgtg 420
gagatcatga tactttaaat at 442

<210> 1840
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<400> 1840
ttaccctcac taaagggnnc aaaagctggn gctccaccgc ggtgacgacc gctctagaac 60
tagtggatcc cccgggctgc aggaattcgg cacgagccca gctcacccgc tgtcagctgg 120
ggtcctgctc tggtgggagg aagaggctca gacgcttccc tgccctctcg cctcaaccam 180
ctcgargcag cggctcccag gatgtgcamt ttgacgacta aagctgagcc ggcgccgcac 240
gaccttgggc gggtggtcgg cctctgccct gagcaggaag tagaaagtct cagcagaccc 300
ttcctgaggg ccgagcaaca gtgtagtggc gtattccaca tagcaaacag ttttctgaag 360
ctcagaggga caccttgtat tgctggatga taaaaacagg agcaaagtga tgaagtgctg 420

acaaggcaac aatagaacat gagagattca ctgctgtgta ggaagagatc ttcggtgacc 480
atgtagcctg aagctctcat tttgtcaatc gaggg 515

<210> 1841
<211> 1027
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1022)
<223> n equals a,t,g, or c

<400> 1841
ccacgcgtcc gagccttcgc cggcgtcccg acccgaggcc ggacccgagg ccagtcccgc 60
cgctgcgcag ccgaagccag tgcggggcct gagagggacg cgcgccccgg ggcccccgcc 120
gcgggcacca tgggcgctgc ccactccgcg tctgaggagg tgcgggagct cgagggcaag 180
accggcttct catcggatca gatcgagcag ctccatcgga gatttaagca gctgagtgga 240
gatcagccta ccattcgcaa ggagaacttc aacaatgtcc cggacctgga gctcaacccc 300
atccgatcca aaattgttcg tgccttcttc gacaacagga acctgcgcaa gggacccagt 360
ggcctggctg atgagatcaa tttcgaggac ttcctgacca tcatgtccta cttccggccc 420
atcgacacca ccatggacga ggaacaggtg gagctgtccc ggaaggagaa gctgagattt 480
ctgttccaca tgtacgactc ggacagcgac ggccgcatca ctctggaaga atatcgaaat 540
gtggtcgagg agctgctgtc gggaaaccct cacatcgaga aggagtccgc tcgctccatc 600
gccgacgggg ccatgatgga ggcggccagc gtgtgcatgg ggcagatgga gcctgatcag 660
gtgtacgagg ggatcacctt cgaggacttc ctgaagatct ggcaggggat cgacattgag 720
accaagatgc acgtccgctt ccttaacatg gaaaccatgg ccctctgcca ctgacccacc 780
gccacctccg cggagaaact gcactttgca atggggccgc ctccccgcgt agctggagca 840
gcccaggccc ggcggacagc ctcttcctgc agcgccggta catagccaag gctcgtctgc 900
gcaccttgtg tcttgtaggg tatggtatgt gggacttcgc tgtttttatc tccaataaaa 960
aaaaaaaaaa ggtttgttaa wwaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
angggg 1027

<210> 1842
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 1842
atcttgtggr akgctttaca gacaagttag ccaagacaca gataagttag gttacgggcc 60
aaagtaatac agtgattgag cagtggagct gaaggagatc caggcagctt gactggcaga 120
gccttttttct tcaccacgac atgggcagag gttagagagt tttgccacac tggcggtcga 180
gtgacacatc aaggagggat gtggttgcag caggctaaag gccataggaa gggaggagct 240
ggagactcca gggtcgcagc caccttggtg ggctggggtg gggcaggagg ccgcagcaac 300
agagacgggg tgggattgaa gaagtctttt ttttttcnt tttttaaaca aaagaaatag 360
aacttgtcta tatgctgggg tktgggaaag gagcaagtag atggagagag gctgaagata 420

cttgcttctg gggaggagct ggag 444

<210> 1843
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 1843
gcctatttga atggaatcct gctctttgga catatgctga agatatttct tgaaaatggc 60
gaaaatactt accaccccca aatttgctca tgctttcagg aatctcactt ttgaagggta 120
tgacggtcca gtgaccttgg atgactgggg ggatgttgac agtaccatgg tgcttctgta 180
tacctctgtg gacaccaaga aatacaaggt tcttttgacc tatgataccc acgtaaataa 240
gacctatcct gtggatatga gccccacatt cacttggaag aactctaaac ttcctaatga 300
tattacaggc cggggccctc agatcctgat gattgcagtc ttcaccctca ctggagctgt 360
ggtgctgtcc tgtcgtcgct ctcctgatgc tcagaaaata tagaaaagat tatgaacttc 420
gtcagaaaaa atggtcccac attcctcctg aaaatatctt tcctctggag accaatgaga 480
ccaatcatgt ttagcctcca gatcgatgat gacaanagac ganattccat ccagaagact 540
acaacagtgc 550

<210> 1844
<211> 326
<212> DNA
<213> Homo sapiens

<400> 1844
caattgcagg tgtccatgcc tcccacacat ggggacctag tgggttttga cagcgtggtg 60
tccagtccta gccccctcag tgcttgctgt tcacacttaa gcaagtraag gcctgaaggt 120
gcccagctgt gccctcaggg gaaacttaag tcacccgccc tgtcagcact tggcccttgt 180
cgggcagtga gagtggagct gcccccgcag accctcagga gccatgcagt tcacagcagt 240
agctggatyt ccctgaggac atttgtcctt gcatatctta atgatttgtc cacagaaaca 300
ccgggttgtc ttcctctgcc cctcct 326

<210> 1845
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<400> 1845
cgaaattaga aaaggtgatg aatttggagg aaggggaatt ggctgcacct gtttctgata 60
tgttcagaag cttaatgaat ataatattct aatttaaata aactgtttga ttgagaaaag 120
aggtagccac attattgttt agaaatgata gactgttatt gacttttggt gtagctggga 180
agctggagaa gaggtagtat gtagtttgct tttgatttca aaatgccacc tcttctgatt 240
ccagatacaa ttatcttttg gcacatttcc taattagcat taggttctta taaatgaaat 300
tttattttac acacagtttt taatggaact tacttttgaa catcacgaaa gttatctcta 360
gccctttca tgccttargt gctgatragc attccgttta tcataagcta tgtcattagt 420
ctcagcttcc tagtgggaag taaaactcat agncaattct ctcagtcatc catggatata 480
tagctaggtg ggggccagat gatttgaaaa ttaacatatt gttatttagg gngccttggt 540
tttcatttta aggtggtttc nggcatcctn gtttgaa 577

<210> 1846
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<400> 1846
cagcgatttc tgaactgaac gcaggcaagg gacgcgagag acaaatttta caggaaacca 60
ttcacaactt tcactcttcc tttgagagca gtgccagcaa caccagggcc cctggcaaca 120
gcccctgtgc gtgatcctcc ttcccgcagc caccarccca tggttgggtg ggtgaggcca 180
gaagaaactn cctncggcaa gaggtagcag ccgctcaggt ggytctsctg gcatcggagc 240
ccacagaagt raggagtggc cgatggacct gccctccaaa tgtgcctgac tctgggtctt 300
gctgtcactg gatttcctgg catggcagac agaaagaaag atagtttgac caagtcgtag 360
aagctgatcc agcgggtaaa aaggggggcag ggaactcgtc ccttttattc ttgcctcaga 420

gctgcctgaa gacatgggcc aggccggagg ctggacaact ttggataacg ctgacctgta 480
cttccaagta aatgcctcct gaagagcccg ggacccttcc tgggagaatt ctgcagccag 540
aatgaaggtg ccatcagcag gaggcactgt gaagcaccat cctgtcgctg tccttgtcca 600
ttcctagcaa gttaatcgtg tcttgttaac cagcagttcc tgttcaacgt gtaaagagac 660
ctgatgtttt ccctaataaa gctgataaca gattttgcag gaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaag tc 732

<210> 1847
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<400> 1847
gcgggctctg agtgctcttk cccgtccggc cccagccgcg gcccgggaat ctacgtcacc 60
cgaaaagcga ctataaacgc cggcgcctcc gtccccagcc gcggctcggg aatccacccg 120
aagagtggct ataaacgtcc gcgcctccat tgcgctctcc tcttcactta ggacactggt 180
cctcccacgc ctgacaccga cgtcgccagg accgcggggt tgggggaact tggctgtccc 240
acgtctttca aataaagctg ttttgtctaa ctcaaaaaaa aaaaaaaaaa aancgagttt 300
ttttttttt ttttna 316

<210> 1848
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<400> 1848
cgagcagtag cgngaagnca gacgnacgta tagggaaagc tggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cgggagaagt gctcttttct acttgtgggg 120
tctcccattg gaaacataat cctatagtcc cagaaggatt cagtccccag tggctttccc 180
atccaaagag aaagagtttg agtttcttaa ctctgctgtt ctgccactta ctcccactag 240
acaaccaggg acaaggtgca acatggaagt gtttgactta agtaggagca gaggagctgc 300
atctaatctc atcatacctg gaacttgaca cacttaagca aatgccttcc catccctacc 360
tgccagatgc ccccaactca atgaagttgg atgtctcacc agcttgatac cctttgaatt 420
ttcagtcaga cattctggag ttctagcatc ctgtacctag gaccttcctc tgtgtcactc 480
ttggcctcct aaactctaag aaaataacta tattctggag cttgggcagt gtgttttgca 540
taatccagca atctcctcat gacatgcatg tnttgatagt cctgaaacat tcattgagag 600
ggtaaatgca gttgacctag aatgaccaat accaaacaga attttaagaa caggtggcca 660
actcctatgg agcttactca catattacta ttcttttaag aacggaaaag taaaatt 717

<210> 1849
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<400> 1849
gggacgagga agccaaggac gaaaaggcag agcccaacag ggacaaatca gttgggcctc 60
tcccccaggc ggacccggag gtttcagaca ttgaatccag gattgcagcc ctgagggccg 120
cagggctcac ggtgaagccc tcgggaaagc cccggaggaa gtcaaacctc ccggctcttt 180
atgaggggac tctgagcctc tgctctgagg atctgaaaca cacacaccct gacagtgtaa 240
aatccaaaag gagccgcctg aatcatgttg cctcatgtgg aaatcttagt ccgccgccac 300
gtgaagatgg atgtgactag aacggagggc gccggaagct yacatyanar garctgctca 360
cgt 363

<210> 1850
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<400> 1850
gtaaaaatga gacgaccacc tctcggatta aaaaaaaaaa gtgccagagt tctagggttc 60
taagtgatgt ccaggaagga ggaggaataa tatttatgga gcatatatta tggaacacag 120
tgagtatagt acctgccttt aaatgaatac tgttggtttt ttaggacagt tgctttttt 180

tctttttttct tcagctgtgt gcagttgatt aacttgtaca gagcctatca cacaatagat 240
gtttaagaaa tattaagtga atgaatgagg cagcattgct aatttttgta tagtgagaca 300
gtatctcaca gtccaggctg gagttcagtg gcattaacat aactcactgc agccttgaac 360
acctgagctc aaacgatcct ttcaccttat cctccagagt agctgggact acagtcgcgt 420
gtcaacatgc ctggctaatt ttagttttct aatttttta gagttgggat ctcactatgt 480
tgcttagact ggtcttgaac tcctggnctc atgccatcct cttgcctcag ctggta 536

<210> 1851
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 1851
gcttgacctg cggcagtgca gcccttggga cttccctcgc cttccacctc ctgctcgtct 60
gcttcacaag ctatcgctat ggtgttcgtg cgcaggccgt ggcccgcctt gaccacagtg 120
cttctggccc tgctcgtctg cctaggggcg ctggtcgacg cctaccccat caaacccgag 180
gctcccggcg aagacgcctc gccggaggag ctgaaccgct actacgcctc cctgcgccac 240
tacctcaacc tggtcacccg gcagcggtat gggaaaagag acggcccgga cacgcttctt 300
tccaaaacgt tcttccccga cggcgaggac cgccccgtca gtcgcggtaa aagcgcccgt 360
taccacacat cctgcatccg agagcgcggc ctggccctac cctggcaaca tcatttaacg 420
acgtctccca ggctcgcctc cccagatcca attcttncct tcgttncgca gtcggagggc 480
caaactgtgg tgaggaccct gaggctctgg gagnctgcca acagccagtc atttga 536

<210> 1852
<211> 2005
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (903)

<223> n equals a,t,g, or c

<400> 1852
ctatcagacg atgaattgaa acacctcatt ctcagggcag cagatggatt tttgtttgtn 60
gtaggatgtg accgagggaa gatactcttt gtctcagagt ctgtcttcaa gatcctcaac 120
tacagccaga atgatctgat tggtcagagt ttgtttgact acctgcatcc taaagatatt 180
gccaaagtca aggagcagct ctcctcctct gacaccgcac cccgggagcg gctcatagat 240
gcaaaaagat gaagtgtaac aggccttcag taaargttga agacaaggac ttccccyctw 300
cctgctcaaa gaaaaaagat cgaaaaagct tctgcmcawt ccacagcaca ggctatttga 360
aaagctggcc mcccacaaag tggggctgga tgaagacmac gaaccagaca atgaggggtg 420
taacctcagc tgcctcgtcg caattggacg actgcattct catgtagttc cacaaccagt 480
gaacggggaa atcagggtga aatctatgga atatgtttct cggcacgcga tagatggaaa 540
gtttgttttt gtagaccaga gggcaacagc tattttggca tatttaccac aagaacttct 600
aggcacatcg tgttatgaat attttcacca agatgacata ggacatcttg cagaatgtca 660
taggcaagtt ttacagacga gagaaaaaat tacaactaat tgctataaat ttaaaatcaa 720
agatggttct tttatcacac tacggagtcg atggttcagt ttcatgaacc cttggaccaa 780
ggaagtagaa tatattgtct caactaacac tgttgttttg tccagagtgg acaccggaca 840
ccttggccaa gttgaaaggt gcacagttct gaggcaggcc tgacttcacg tttccttatt 900
gcntgggatg ttcacagagc caacgtcctg gaaggcgggg acccaacctt cccacagctc 960
acagcatccc cccacagcat ggacagcatg ctgccctctg gagaaggtgg cccaaagagg 1020
acccacccca ctgttccagg gattccaggg ggaacccggg ctggggcagg aaaaataggc 1080
cgaatgattg ctgaggaaat catggaaatc cacaggataa gagggtcatc gccttctagc 1140
tgtggctcca gcccattgaa catcacgagt acgcctcccc ctgatgcctc ttctccagga 1200
ggcaagaaga ttttaaatgg agggactcca gacattcctt ccagtggcct actatcaggc 1260
caggctcagg agaacccagg ttatccatat tctgatagtt cttctattct tggtgagaac 1320
ccccacatag gtatagacat gattgacaac gaccaaggat caagtagtcc cagtaatgat 1380
gaggcagcaa tggctgtcat catgagcctc ttggaagcag atgctggact gggtggccct 1440
gttgacttta gtgacttgcc atggccgctg taaacactac atgttgcttt ggcaacagct 1500
atagtatcaa agtgcattac tggtggagtt ttacagtctg tgaagcttac tggataagga 1560
gagaatagct tttatgtact gacttcataa aagccatctc agagccattg atacaagtca 1620
atcttactat atgtaacttc agacaaagtg gaactaagcc tgctccagtg tttcctcatc 1680
attgattatt gggctagctg tggatagctt gcattaattg tatattttgg attctgtttg 1740
tgttgaattt tttaatcatt gtgcacagaa gcatcattgg tagcttttat atgcaaatgg 1800
tcatttcaga tgtatggtgt ttttacacta caaagaagtc ccccatgtgg atatttctta 1860
tactaattgt atcataaagc cgtttattct tccttgtaag aatcctttac tataaatatg 1920
ggttaaagta taatgtacta gacagttaaa tatttttaat aaatgtttcc cttgttctat 1980
aaaaaaaaaa aaaaaaaaaa aaaaa 2005

<210> 1853
<211> 566
<212> DNA
<213> Homo sapiens

<400> 1853
gtggacgcgt gggcggacgc gtgggacagg atgggagctt tgatggtgga ggcggaaaga 60
aagatcccag gcaggagaga caattgaagc aaaggccttg agttgagaat tggccgtgcc 120
ctcatccttt cctgtttcct ttttgtttgg gcaatgaaaa gagcatggac tttggggttg 180
gatgtgcctg cattcaggtc ttgacactgc tgtattaccg ctcccaattt cttcatgaaa 240
caagattaac agtatcactt gtatcagtta gggtttgttg gttatgagca acctaaaccc 300
actctggcta acttaaacat aaaaggaatc tattgggatc tattgacctg ccaagcctca 360
gaaaggacag gaatcaggga agcttcagag acctaagagg cagcagctga tagtatcttc 420

agagtgctgc tgtcagaata aacctacaag ggckgttttc tctccttgtc ccaaccagat 480
caaggttcag attcctgaga aagaacctcc gtggttagga agaacacaag cacattgatt 540
gacagcacta ggggaggtgt tgttcc 566

<210> 1854
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<400> 1854
gantaccgtt tctcgagtcc gggcattgta caagcgcgtc ttgcagctgc accgtgttct 60
gcccccggac ctcaaatccc tgggcgacca gtacgtgaaa gacgaattta ggagacataa 120
gaccgttggt tctgacgagg cacagcgttt cttgcaagaa tgggagggtt ttaagtgcct 180
aaagtcaggg agagaaaagg agacagtatt taaggaattt aagatcttga agtggaaaag 240
gcctanaaga 250

<210> 1855
<211> 1159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1143)
<223> n equals a,t,g, or c

<400> 1855
ggctaaataa gctatcgggc ccataccccg aaaatgttgg ttatacccct cccgtactaa 60
ttaatccccc ggcccaaccc gtcatctact ctaccatctt tgcaggcaca ctcatcacag 120
cgctaagctc gcactgattt tttacctgag taggcctaga aataaacatg ctagctttta 180
ttccagttct aaccaaaaaa ataaaccctc gttccacaga agctgccatc aagtatttcc 240
tcacgcaagc aaccgcatcc ataatccttc taatagctat cctcttcaac aatatactct 300
ccggacaatg aaccataacc aatactacca atcaatactc atcattaata atcataatgg 360
ctatagcaat aaaactagga atagcccccc ttcacttctg agtcccagag gttacccaag 420
gcacccctct gacatccggc ctgcttcttc tcacatgaca aaaactagcc cccatctcaa 480
tcatatacca aatctctccc tcactaaacg taagccttct cctcactctc tcaatcttat 540
ccatcatagc aggcagttga ggtggattaa accaaaccca gctacgcaaa atcttagcat 600
actcctcaat tacccacata ggatgaataa tagcagttct accgtacaac cctaacataa 660
ccattcttaa tttaactatt tatattatcc taactactac cgcattccta ctactcaact 720
taaactccag caccacgacc ctactactat ctcgcacctg aaacaagcta acatgactaa 780
cacccttaat tccatccacc ctcctctccc taggaggcct gcccccgcta accggctttt 840

tgcccaaatg ggccattatc gaagaattca caaaaaacaa tagcctcatc atccccacca 900
tcatagccac catcaccctc cttaacctct acttctacct acgcctaatc tactccacct 960
caatcacact actccccata tctaacaacg taaaaataaa atgacagttt gaacatacaa 1020
aacccacccc attcctcccc acactcatcg cccttaccac gctactccta cctatctccc 1080
cttttatact aataatctta taaaaaaaaa aaaaaaaaac tcsaggggg gcccggtacc 1140
canttcgccc tatagtgag 1159

<210> 1856
<211> 936
<212> DNA
<213> Homo sapiens

<400> 1856
ggcacaagac caaaactcca aatgcatcgg cactgacctc aacaggaatt ttaatgcttc 60
atggaactcc attcctaaca ccaatgaccc atgtgcagat aactatcggg gctctgcacc 120
agagtccgag aragagacga aakctgtcac taatttcatt agaagccacc tgaatgaaat 180
caaggtttac atcaccttcc attcctactc ccagatgcta ttgtttccct atggatatac 240
atcaaaactg ccacctaacc atgaggactt ggccaaagtt gcaaagattg gcactgatgt 300
tctatcaact cgatatgaaa cccgctacat ctatggccca atagaatcaa caatttaccc 360
gatatcaggt tcttctttag actgggctta tgacctgggc atcaaacaca catttgcctt 420
tgagctccga gataaaggca aatttggttt tctccttcca gaatcccgga taaagccaac 480
gtgcagagag accatgctag ctgtcaaatt tattgccaag tatatcctca agcatacttc 540
ctaaagaact gccctctgtt tggaataagc caattaatcc ttttttgtgc ctttcatcag 600
aaagtcaatc ttcagttatc cccaaatgca gcttctattt cacctgaatc cttctcttgc 660
tcatttaagt cccatgttac tgctgtttgc ttttacttac tttcagtagc accataacga 720
agtagcttta agtgaaacct tttaactacc tttctttgct ccaagtgaag tttggaccca 780
gcagaaagca ttattttgaa aggtgatata cagtggggca cagaaaacaa atgaaaaccy 840
tcagtttctc acagattttc accatgtggc ttcatcaatt tatgtgctaa tacaataaaa 900
taaaatgcac ttaatgcttt aaaaaaaaaa aaaaaa 936

<210> 1857
<211> 534
<212> DNA
<213> Homo sapiens

<400> 1857
gcagtgctag atattgttwt aaattattty cattttaaac aagatgcctt ctaagctatt 60
gagcttatta aaaataattt tacatgttta cttagttgga gcaaaaataa gtctatttta 120
acaaatagct ttgtttttgc atgctaatgt cagaaaggca tacgatgcac attatgctgt 180
tttaaaggtt ttaccaccct tgtaaaaact ataatcttaa atggttttat ttgctgttac 240
acaaacaaca ctacataaaa catttttttcc taaatggtac aaatttataa actatcattt 300
ttcacttacg gtatttgtaa atactacact acaaaaatca gctttctgag aaagaaataa 360
tcatttattt atgatattga aaatttctac agtaaacact caaaaccaag caaaaaacat 420
ttgtaagata cacggtatct atttggagca acggtttttg taactaatgt gtttcatttt 480
ttaaataaag acaactaaaa ataaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 534

<210> 1858
<211> 1730
<212> DNA
<213> Homo sapiens

<400> 1858
gttctacctc ggtagcagca ccgcttctga tttccttgca gtggagatgc ggcgagggag 60
agtggccttc ctgtgggacc tgggctccgg gtccacacgc ttggagtttc cagactttcc 120
cattgatgac aacagatggc acagtatcca tgtagccaga tttggaaaca ttggttcact 180
gagtgtaaag gaaatgagct caaatcaaaa gtcaccaaca aaaacaagta aatcccctgg 240
gacagctaat gttctggatg taaacaattc aacactcatg tttgttggag gtcttggagg 300
acaaatcaag aaatctcctg ctgtgaaggt tactcatttt aaaggctgct tgggggaggc 360
cttcctgaat ggaaaatcca taggcctatg gaactatatt gaaagggaag gcaagtgccg 420
tgggtgcttc ggaagctccc agaatgaaga cccttccttc cattttgacg ggagtgggta 480
ctctgtcgtg gagaagtcac ttccggctac cgtgacccag ataatcatgc tttttaatac 540
cttttcacct aatggacttc tttctctacc tgggttcata cggcacaaaa gacttttttat 600
ccatcgagct gtttcgtggc agagtgaagg ttatgactga cctgggttca ggacccatta 660
ccctttttgac agacagacgt tataacaatg gaacctggta caaaattgcc ttccagcgaa 720
accggaagca aggagtgcta gcagttatcg atgcctataa caccagtaat aaagaaacca 780
agcagggcga gactccggga gcatcttctg acctcaaccg cctagacaag gacccgattt 840
atgtgggtgg attaccaagg tcaagagttg taaggagagg tgtcaccacc aaaagctttg 900
tgggctgcat caagaacctg gaaatatcca gatcaacctt tgacttactc agaaattcct 960
atggagtgag aaaaggctgt ttactggagc ccatccggag tgttagcttc ctgaaaggcg 1020
gctacattga attgccaccc aaatctttgt caccagaatc agaatggctg gtaacatttg 1080
ccaccacgaa cagcagtggc atcatcctgg ctgccctcgg cgggggatgt ggagaagcgg 1140
ggtgatcgtg aggaagcaca cgtgcccttn ttttccgtca tgctgatcgg aggcaacatt 1200
gaggtacatg tcaatcctgr ggrtgggaca ggcytgagaa wagctctcct gcacgctccc 1260
acgggtacct gcagtgatgg acaagcgcat tccatctcct tggtcaggaa tcggaggtac 1320
ttgcacgcgg ccaggcagtg tgtaatgaag gtgtggtgag ctcagaggga atgtgggagg 1380
aaccttgcgg tggtgccctg grcggctaga tgactggggt catcggcatc cagacgattc 1440
tagaaccttg ctaggattct ttcctgggaa ccagtttcat ctgctttgta ataagatact 1500
tgtagaattt ttataattaa acaactttag ctctgccctt tactggggcc cagcataaat 1560
tgtctttaca ttggattgat tctgtggcaa atagtagtac actattagta aatagtatta 1620
tatcaatagt aaatagcatt atatcaacat tcctgtatat ttccctccaa aatatagact 1680
gaatgcttta aaagcacact gggcattttc atcataggta aagaggttaa 1730

<210> 1859
<211> 890
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (883)
<223> n equals a,t,g, or c

<400> 1859
ctcagagtag ctggattttt ctaaagcaat tgcagaacac ctgctttttc tttgtttcct 60
ctagaaagga ccaaccacrc cgagctcagt tatggcacac acagtgggac ctagacaaag 120
ggagagggtg accgacatcc caactaggta aacacagagg aggttccaca tggacttatc 180
tgggtggctg ttttgaaaac gagaaacagt caagagtccc tggccccaca gacccacctc 240
cccaactcag cactgtctgt ctgtgcagca ggtgcaagga cgtgttgaac tagctctctg 300
cagcctcctt ggaggatgtg atcctatggg aggggtagga gtattcagtc cttgacatyt 360
cccaaatgtg tgattccggg atgccaaagg cctttggcca ggtaatgcag tgtytacagg 420
ytgaggttga catgcatccc caccctctga gaaaaagatc ctcagacaat ccatgtgctt 480
ctcttgtcct tcatnccacc ggagtctgtc tcanacccaa cyagatttca gtggagtgaa 540
gttcaggagg catggagctg acaaccatga ggcctcggca gccaccgcca ccaccgccgc 600
cgccaccacc gtagcagcag cagcagcagc agcagcagca agagtaactc tgacttagga 660
atagagacag ccagagagaa atgtgatcaa tgaaggagac atctggagtg tgcgtgcttc 720
ttcagaggga cgggtgatgg gcagattgga aaaagcaccg cagatgggaa ccttaatctt 780
tcttttctaa aattgatgct atgaaaattt gcgttttctg taacttgtaa aaactaaaag 840
ttgcttgtct actgaaaaaa aaaaaaaaaa aaaaaaaaaa aanaaaaaaa 890

<210> 1860
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 1860
aaattaaccc tcactaaagg gnncaaaagc tgggagctcc accgcggtga cgnccgctct 60
agaactagtg gntcccccgg gctgcaggaa ttcggcacga gaacaactga aggtgaagaa 120
atcactgagt caagtagcac tgaagaaatg gaggtcagaa gtgtggtggc tgatactgac 180
caaaaggctt taggaagtga agttcaggat gcttctaaag tcactactca gatagataaa 240
gagaaaaaag aaattccagt gtcaattaaa aaagagcctg aagttactgt agtttcacag 300
cccactgaac ctcagcctgt tytaataccc agtattaata tcaactctga cagtggagaa 360
aataaagaag aaataggttc tttatcaaaa actgaaacta ttctgccacc agaatctgag 420
aatccaaagg aaaatgataa tgattcaggc actggttcca ctgctgatac tagcagtatt 480

gacttgaatt tatccatctc tagctttcta agtaaaacta aagacagtgg atcgatatct 540
ttacaagaaa caaaaaaa 558

<210> 1861
<211> 843
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (682)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (788)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (807)
<223> n equals a,t,g, or c

<400> 1861
acnaacnctt actaaaggga acaaaagntg gaagctccac cgcggtgtng accgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagc agggtcaggg ccagagccag 120

aatccgaatc agaatcagag tcagaaccca aatccgaatg ccaatcagaa cctgactcag 180
aatctgatgc agaatctgac tcagagtttg agccagaagg agaaccggga aagcccgaag 240
cagaactcag gcaaggagca gaatgataac accagcaatg gcaccaacga ctacataggc 300
agtgtagaga aatggcgtta aatggctcaa aaaggcctgt acatacttct cccaaagcgc 360
cactgaaaag atggcatagc ttaaaagatg aaagtgtcca aacacatcct gcttccttca 420
ttggggaagt tttaaaaaaa gtttagatgt tgcctttaca gttgcctttc aattcagtgt 480
tatactgtgt gtaggtaaaa caaatctcaa tatggaatta aattgtcttt ttggggttgg 540
actaaatatg aaatccgaaa gccaaaccag actcaccaga aattgctgtt tagatatttt 600
aagaagttct taaattagtt atggagacaa agtgaaaaca taaaatgtga ccatttaact 660
tatggctaag aaatggactt tnaaattnat tccatggata cactgttaaa acccaatctt 720
ggaatcaaat atttttccc agggggtgga ggaataagta ttaaacatta agggcaactt 780
aaaatggnaa cataaaacct tttattntcc ttctggattt taaacaaggg atctatttta 840
aat 843

<210> 1862
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<400> 1862
gggtgaaggg catttgggca agccagggyg gctgcggagg cgatctccct gacccagggc 60
cggagttgcc cggagcctgc caccgctctc agccagcccg catccttctc tgttcttccc 120
ntcccccgtc tgccacggcg cgggtatccg cagccacagc ccggcgccgg tgaggcggcr 180
aaggggggagg ggaggaatca agggatgagc gccggaaggg cgtmgggggc cctgagccgn 240
actaggacgg cccttggggc cgga 264

<210> 1863
<211> 1882
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<400> 1863
ngcggcagat cttccagtcc ctgccgccct tcatggacat cctcctgctg ctgctgttct 60
tcatgatcat ctttgccatc ctcggtttct acttgttctc ccctaaccct tcagacccct 120
acttcagcac cctggagaac agcatcgtca gtctgtttgt ccttctgacc acagccaatt 180
tcccagatgt gatgatgccc tcctactccc ggaacccctg gtcctgcgtc ttcttcatcg 240

tgtacctctc catcgagctg tatttcatca tgaacctgct tctggctgtg gtgttcgaca 300
ccttcaatga cattgagaaa cgcaagttca agtctttgct actgcacaag cgaaccgcta 360
tccagcatgc ctaccgcctg ctcatcagcc agaggaggcc tgccggcatc tcctacaggc 420
agtttgaagg cctcatgcgc ttctacaagc cccggatgag tgccagggag cgctatctta 480
ccttcaaggc cctgaatcag aacaacacac ccctgctcag cctaaaggac ttttacgata 540
tctacgaagt tgctgctttg aagtggaagg ccaagaaaaa cagagagcac tggtttgatg 600
agcttcccag gacggcgctc ctcatcttca aaggtattaa tatccttgtg aagtccaagg 660
ccttccagta tttcatgtac ttggtggtgg cagtcaacgg ggtctggatc ctcgtggaga 720
catttatgct gaaaggtggg aacttcttct ccaagcacgt gccctggagt tacctcgtct 780
ttctaactat ctatggggtg gagctgttcc tgaaggttgc cggcctgggc cctgtggagt 840
acttgtcttc cggatggaac ttgtttgact tctccgtgac agtgttcgcc ttcctgggac 900
tgctggcgct ggccctcaac atggagccct tctatttcat cgtggtcctg cgccccctcc 960
agctgctgag gttgtttaag ttgaaggagc gctaccgcaa cgtgctggac accatgttcg 1020
agctgctgcc ccggatggcc agcctgggcc tcaccctgct catcttttac tactccttcg 1080
ccatcgtggg catggagttc ttctgcggga tcgtcttccc caactgctgc aacacgagta 1140
cagtggcaga tgcctaccgc tggcgcaacc acaccgtggg caacaggacc gtggtggagg 1200
aaggctacta ttatctcaat aattttgaca acatcctcaa cagctttgtg accctgtttg 1260
agctcacagt tgtcaacaac tggtacatca tcatggaagg cgtcacctct cagacctccc 1320
actggagccg cctctacttc atgacctttt acattgtgac catggtggtg atgacgatca 1380
ttgtcgcctt tatcctcgag gccttcgtct tccgaatgaa ctacagccgc aagaaccagg 1440
actcggaagt tgatggtggc atcacccttg agaaggaaat ctccaaagaa gagctggttg 1500
ccgtcctgga gctctaccgg gaggcacggg gggcctcctc ggatgtcacc aggctgctgg 1560
agaccctctc ccagatggag agataccagc aacattccat ggtgtttctg ggacggcgat 1620
caaggaccaa gagcgacctg agcctgaaga tgtaccagga ggagatccag gagtggtatg 1680
aggagcatgc cagggagcaa gagcagcagc gacaactcag cagcagtgca gcccccgccg 1740
cccagcagcc cccaggcagc cgccagcgct cccagaccgt tacctagccc agcgcccgaa 1800
agccgtctct tctatgcaat aacacaatag tattactcta aaaaaaaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaaggggg gg 1882

<210> 1864
<211> 1926
<212> DNA
<213> Homo sapiens

<400> 1864
gcttggcaga ggcaaccaag aaagaaatta cattctttca aacacatcca tatttcagag 60
ttctcctgga ggaggggtca gccacggttc cccgactggc agaaagactt accactgaac 120
tcatcatgca tatccaaaaa tcgctcccgt tgttagaagg acaaataagg gagagccacc 180
agaaggcgac cgaggagctg cggcgttgcg gggctgacat ccccagccag gaggccgaca 240
agatgttctt tctaattgag aaaatcaaga tgtttaatca ggacatcgaa aagttagtag 300
aaggagaaga agttgtaagg gagaatgaga cccgtttata caacaaaatc agagaggatt 360
ttaaaaactg ggtaggcata cttgcaacta atacccaaaa agttaaaaat attatccacg 420
aagaagttga aaaatatgaa aagcagtatc gaggcaagga gcttctggga tttgtcaact 480
acaagacatt tgagatcatc gtgcatcagt acatycagca gctggtggag cccgccctta 540
gcatgctcca gaaagccatg gaaattatcc agcaagcttt cattaacgtg gccaaaaaac 600
attttggcga atttttcaac cttaaccaaa ctgttcagag cacgattgaa gacataaaag 660
tgaaacacac agcaaaggca gaaaacatga tccaacttca gttcagaatg gagcagatgg 720
ttttttgtca agatcagatt tacagtgttg ttctgaagaa agtccgagaa gagattttta 780
accctctggg gacgccttca cagaatatga agttgaactc tcattttccc agtaatgagt 840
cttcggtttc ctcctttact gaaataggca tccacctgaa tgcctacttc ttggaaacca 900
gcaaacgtct cgccaaccag atcccattta taattcagta ttttatgctc cgagagaatg 960

gtgactcctt gcagaaagcc atgatgcaga tactacagga aaaaaatcgc tattcctggc 1020
tgcttcaaga gcagagtgag accgctacca agagaagaat ccttaaggag agaatttacc 1080
ggctcactca ggcgcgacac gcactctgtc aattctccag caaagagatc cactgaaggg 1140
cggcgatgcc tgtggttgtt ttcttgtgcg tactcattca ttctaagggg agtcggtgca 1200
ggatgccgct tctgctttgg ggccaaactc ttctgtcact atcagtgtcc atctctactg 1260
tactccctca gcatcagagc atgcatcagg ggtccacaca ggctcagctc tctccaccac 1320
ccagctcttc cctgaccttc acgaagggat ggctctccag tccttgggtc ccgtagcaca 1380
cagttacagt gtcctaagat actgctatca ttcttcgcta atttgtattt gtattccctt 1440
ccccctacaa gattatgaga ccccagaggg ggaaggtctg ggtcaaattc ttcttttgta 1500
tgtccagtct cctgcacagc acctgcagca ttgtaactgc ttaataaatg acatctcact 1560
gaacgaatga gtgctgtgta agtgatggag atacctgagg ctattgctca agcccaggcc 1620
ttggacattt agtgactgtt agccggtccc tttcagatcc agtggccatg ccccctgctt 1680
cccatggttc actgtcattg tgtttcccag cctctccact cccccgccag aaaggagcct 1740
gagtgattct cttttcttct tgtttccctg attatgatga gcttccattg ttctgttaag 1800
tcttgaagag gaatttaata aagcaaagaa acttttaaa aaaaaagagt acttctagag 1860
cggccggggg cccatcggat tttccaaccg ggtgggggta ccaggttaag tggtaaccca 1920
aattcg 1926

<210> 1865
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 1865
ctcgtgcaan nttgagcagt gttaggattt agaggagtct gcatagcaga taaagggaga 60
ggtgttagca aagagtatct gtgaggatga tactcttgga attgcaggtc ataagactgg 120
gaaagtaggt aaatgctccc tgaatggggc ttatacttta tcctataggc agtgggaagc 180
cttaggtaag aatacagtga tacgaaagtt ttgcattcac tttagtaatg gtgaaaaact 240
ggggaacagt ctattaggtg gcagtctttg ggctggaata tcccaactga tttctggttt 300
tattttctaa aattgttgcc ttggaccctt cctatttta taaccagaca cagaaaatca 360
ataaaagttt gagcccagtt tatagactat tgccagcagt agttcaggtt ttaaaaaaat 420
gatgagggat taatctaggg gcatgaagga gaaaggatag attttttatt tatgtctata 480
tataaataga catttatatt tacaaaggtt gacttagcag gccttagtga ttgcttagca 540
agattaggga acagaaca 558

<210> 1866
<211> 349
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 1866
aattcggcac aggcttgatc ttcttctggg ggttagggag aaatctgtct ccntattgct 60
ggttctctta ccaaaatgct tttataaaga aatgaccggt gacatttatt caccaaagga 120
attaatatac tgagtcaaag attaacaatg ctatactata gagtaatagg tcatrtatag 180
cctcrattga gtttttatg acaatatttt aacatacctc tctctctaca tatgaaatac 240
catgaaagtg aractcaaaa tgacacagag ggaaagttag agggaaaatg gaantaattt 300
cggtacatct ttatgggttt taaaggagta ggaaaataag gtggaaata 349

<210> 1867
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 1867
gaattcggca gagggacatt tatttccttt ggagtcttat tcttttaagt acttcttaaa 60
acataaccat caccatcacc agaatttttt aaacatgaga ataagacaga cagaactttt 120
ctttggtagt gttaacacaa aaggtgtctg atcttcatac aagcaatctt tgctcacata 180
catcaaaatg gaatgacaca aggaaagaac cattttgcaa aaggaaacaa gacaagctgc 240
cgtcagctag atacgtttcg attgttcagg aaagtctgta caggaacttt gattggcatc 300
ctgcttgtct accttctttc ctactttaaa gtggtagctc tgatcattgt tgtcagtgtt 360
ttctgacccc tcagatctgg tctttgccta tcatgtctga tgtaggcact tggaccaatt 420
cacctgcaaa tcaaggtaat cgaaccaagt gcctacatca gacatgatag gcaaagacgt 480
cgagcggccc gnaaatttag tagtagtagt agtcggaccc cggggaaatt ccggga 536

<210> 1868
<211> 853
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (816)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (839)

<223> n equals a,t,g, or c

<400> 1868
cgccaggcca ggcacctagg ccaggggagc ggagacctcg tgggagcggg caggggacc 60
tttcccctct cccgggcttc cacccaggcg cctccccgct gtgaaacgcc gccgcccagg 120
aaaaactgca tagaaaatct aatggatgaa gatgagaaag acagagccaa gagagcttct 180
cgaaacaagt ctgagaaaga agcgtcggga ccagttcaat gttctcatca aagagctcag 240
ttccatgctc cctggcaaca cgcggaaaat ggacaaaacc accgtgttgg aaaaggtcat 300
cggatttttg cagaaacaca atgaagtctc agcgcaaacg gaaatctgtg acattcagca 360
agactggrag ccttcattcc tcagtaatga agaattcacc cagctgatgt tggagagcca 420
tttcagagac tgtgaagaat ccaggtgcca tgtcttagtg gccaggatgt tccctttcta 480
aaatgaggac agagcccagg agataaccca tcatgtccct agggaactgc taatgccctc 540
cagatgtgac tcccgtcttc ttccctcttc tctctaagag gcacaaaacc agactccagg 600
aggactcaca tagctktgaa gtttgaaaaa acaaaattga cctggctgaa aaaacaaaat 660
tgacctgggc tgcagacmag ccaagctggt aaaagtatca rctgggcaaa gacttgkggy 720
taccagcatt gggagcagtt gcmcttcaaa aggagccaaa tgcctgkggc ctgcggaawa 780
ggacttgggg attttgaatt watycaaaag catttntttc tttttaggcc cagaggttnt 840
tcccagggac aca 853

<210> 1869
<211> 1246
<212> DNA
<213> Homo sapiens

<400> 1869
agtttcacgc ctgcaaacac aagcattctg ttgatcaacg gaaatatttt gatgtgccat 60
ttcttgtcta aacaagtttc atatacagca ccgagggggc cacgagaggc agaggcccag 120
acagaaggtg aacatagcct tgcagggaga catatgccag gcaggatgac cattgggatt 180
gcatcaagta ttaatcagtt acttaagggc ttcctgtcag acagttgaag ttcacattcc 240
ttttactttt cttaattagt ccactaggat ggtatgcctg ttttcaactt aacacatgca 300
tacttgtaaa tattttagta tgctacagta atttgtcata tctttaatat ttattgtttg 360
taaagcagta aacatttctg tattttagaa gtcatggagt aaaatcaaat atttatgata 420
aataattgga agtatgtttt agtttgaaga ttgtcctttt tcctatcttg ctgcaaggaa 480
aaatggactt ctgattaggt tttacaattg tgaacttta tgtaaatgtt aagtgctttc 540
gaggagacca aactattatt aatatataaa atggccttgc ccttaaggag caaattaaat 600
ctcatggaga ttagactcaa aaggcaataa ataatcgagg gtttatgcaa tgaaatagaa 660
tttcagaaga gtttggatct caaagattgt ccttcactct cagaaacagg caagtttctt 720
aaaagccctt atagtcgtgt ttttatttta aaaatcgtag cactttattt ttgaagttta 780
aaaagcccat aaacttaatg agtctttata atcagacaca tggaaatata gaaaaccaaa 840
gactgatctt agaatataga gtagagagac atgtttgtta ttctccacta gtgactttag 900
tattttgtta tgtgatgttt tttaggtgca ccttttctca tgactccttt tactttatct 960
aatgtcttcc tctttaaagt gtgacccaga gaccagtagc atcagcatca cctgagacct 1020
gtgaacactg aagctccagc tcagacatgt tggggaccat tttaataaga tacctagctg 1080
atttttgca cagcaaactt tgaaaacccc tggtctaagg ggtagtattt gtatcactta 1140
tggaatataa tctcagggaa attaaatctg ctcaattgac atttgtggtg tttcattttt 1200
taaattctct tgagtaactt ctgtagccct ttccagtgtg tcaggt 1246

<210> 1870
<211> 133
<212> DNA
<213> Homo sapiens

<400> 1870
ctactctgtg tgtgggttct tggcaagctg ccatgtcttt ggggatcata gaaattattg 60
atgacacaga acactcatat gcccttagcc tgtacagctg attcaacatg ggaacagaaa 120
cactgtctag ggg 133

<210> 1871
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<400> 1871
gcaggacagg aaaggtgaca gagnaagact ctatctcaaa aaaaawkaga ctatcttgtt 60
cttaatcctc ttcaattctt ccttttttatt cttttctccc tggctccttt gtagtttaat 120
agttatttaa aatcaggtgg agcattttta tgtttcagta taacaccaaa atgatctcag 180
ctaagttgct tttgttgctt cttttcatat gaagtttttt ccctatcctg tgaatcagcc 240
tttaatccaa aaatgacata aagagaagag caaggactga gccttaagta tgcctagaat 300
gttgaggagg ctgaggacag tgaagaagag atgaaataac cacaaccagt agcttgggaa 360
ccaggataat gtcataagac tcaaatggag ggaattaata tcaagggaag attaanaaaa 420
aa 422

<210> 1872
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (626)
<223> n equals a,t,g, or c

<400> 1872
gatttttttt ttaagaggac ttttaagatc atgatatcta attttaattg tatttacaga 60
ggcttcaaag agtctttgat ttcttgcact ttgttaaggc tttcttattc cttctcacat 120
cctagaaccg ggttacccct ccgtgaggca gatcccctgc aggtggccat cactgtggtg 180
gccagcagtg cttccagact cctgcagtca cgggttccct tctgaaatgg atgtgtattt 240

ccaaattcgg atggaagagg ctggattaaa gatagaagag aatgtcctaa gtagaagaga 300
aatatgttct taaatttaaa atctctgaat tttctcctta cactggggaa ggtgtaggaa 360
tcatgtaatt gccgcctact ccggcatttg cagtagtggg gagaagtctc tagaaccata 420
ttagacttaa tagataggac actcatgttt ttgtttggtt gggggtagca ttttaaaaga 480
ttattatcat agtctttatt attaattatt ttggaggaca ggaaagcatt taccttctat 540
ctactttgca aactccatct gtgccataaa tcattatgga tgttgggktg ctatactctg 600
stttttaaat aatttgggca ngaccngga 629

<210> 1873
<211> 1407
<212> DNA
<213> Homo sapiens

<400> 1873
ctcaccctgt atgacatgtg caaggctgtc agcagggaca tcgtgttgga ggagatcaag 60
ctcattagca agactggtgg tcagcggggg gacttccatc gggcttagca cctgcccttc 120
tcacccatgg cccacccagg cctggagctg ggatgcaatg taggctgagg gaaagacgtc 180
aggttccttt aatcacagtc actgtttgtt taccttgagc agtaaacccg aagtcagcct 240
gctctactac taacaaacag gcctgctgct agatgatctc taatgaccaa tggggcttcc 300
tttctatagg gaggatacca gcaggccctt aagccttcca ggacactaag gtcgtgggag 360
cgggactgca acaagcaatg ccagataact gagaaatcat gttctttgtg gactatttca 420
gacaaccagg ttccgacagt ccagcccaga acttttcctt ctcattttgg gttttctctt 480
ctcctgcttt cctggggaga gattaagcgc tcattaagca gaggagccca ctttgaggag 540
agcaaagcac aagcttgcct gaagaatgga tcccaacttc tccccggcag ctctgcctcc 600
ctaagtctgt gaagccgcag ccctgccctg tcctgtcctg tcctgacttc atctctcctt 660
ctgcccaagt ctgtgtccca tcagacttgc agcctttcag cttaacagtt gcccggtcct 720
gctggccccc tttcctctgg ccccctctt ctgaaacagg atgtgcacac atggccatag 780
ccctaaggac tcctgccaga ccacacagcc cacacctggc cctgttcacg gctgttccac 840
ccacccctct ttattctgga gcatatcagg gaaagaaaag ttgatgatag attgccttca 900
ccctcacagc gcacaaataa agctacgatg ccaactttgc agatgcaaga atgaagacac 960
tgtgtgggta gggcactgag ctgctgcagt ttcacaggga aggctgcacc tatcaatcaa 1020
tcaatcaatc ctatcccaag acacagttcc ctgagggaag aagaggaggg acctggaaag 1080
gcctaagggt gtactctctg tatagccccg ctatgggaaa ataaagtgga gtaggggcca 1140
tagaaatgcw ccatctaagg gaaatctttt gtcaggtggt ggccaggggt gttcaaagct 1200
cattgcttgc attaccagct attagagaga tcagagaggg caattaatta gaggctcctg 1260
gttctcacat cccaaacaca cacagttctg gcctgctggg ctctctaact tggatgtctt 1320
tgagtcctca gtggtgcccc ctgcctgcct cccctctgcc ctatgccaag gtgtgctggc 1380
aaatattaaa caaccagctc tctggaa 1407

<210> 1874
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (658)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (676)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (706)
<223> n equals a,t,g, or c

<400> 1874
ccgtctcaaa aaataaataa ataaataaaa aataaaacaa ataaataaaa gctaaagcat 60
tctaggaatt acatgtctgg gagctacttt gctgaatctc ttggaagttg ttaaggaaag 120
gcatctgaga tataccagat cagaccttca tcttctgagc ttcccacttg taaactgaaa 180
ttttaaatta cctggaatag gcctcccttc tcttaactcc caatttgaag gctgcgattt 240
taaattagat gagaatttac ttaactctat ttgatacata tccttatgaa tgaacatttg 300
ttgactgtct actgaatgtg acaggtattg ttctaagcac tttatttgta atgacttact 360
tttacaaaac acccctatga gtaatgttct attgtcccct tatttacagt tgaggaaact 420
gggtacagag rgattaagta actagtctga tgtcacaggt agtattcagc tgagccygca 480
ctcataaata tgatactgtc ctgcttctcc cttgctaata taggcaataa agagctttct 540
gaaggggaag aaatattatt attaaactga tttaatgaat tactataatt gcagtttcaa 600
taattagttt tgtaaaatgc aactgggtat agcagttttt tgaagttttc taatttttntc 660
cttctgtcac tttggntctg gtangtttgc cttttcacca ttgctna 707

<210> 1875
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<400> 1875
gcaaaaataa aggggctaca gaaacactca tttttatgct gttccctctt gggcttcatg 60
caaagacaat tctgtgtaaa tgtacagttg actctgattt ggaaatatga aaatcagtcc 120
atccttgtta taaaaaattt ttttacaatt gtaattatat tgatgttcat attgtgtaaa 180
ataactcatt taataaaata gtactttgat ttacgacawm aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa naaaa 265

<210> 1876
<211> 513
<212> DNA
<213> Homo sapiens

<400> 1876
gcggttccct tctacttctt ttctttttctt tctggtgacc ctggcagtgt aaaactgcca 60

cctctttagg tttctgtaga gccaaaaata atctcctaat gtcttcctga tgtttgatag 120
gtattccctc ggaagttagg aattcccttt ctctccatat tgttgcatgg gcatggagag 180
ttaggtaagc atacttagag tctttatata tatttaccct ttttccttct cctaattcta 240
aggcataatt agaaagacat gtgaaaagag taaagttcgc cagtcacaam ttagtggctg 360
ggagaagtat wtagtgactr cctgtcctag gacccctcag atagtgacag atctggagga 420
cagttgtcca ggacaggaga gtaagaytga gacagctgcg ccagtgtcca ggagacagtt 480
aacctcctgg ccctcaatga tcaagcatac ccg 513

<210> 1877
<211> 650
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<400> 1877
ctttggagga gagactccta ggatggccca caacctgctg ctgcctgtag cagagctaga 60
agggaaggag tctgccagct cttccacagc atccccacca tcctcctcca ctgccatctt 120
tcagccctct gaaaccgtgc tccttggaac gcaaagggcc gaggagcatc tggttttcat 180
ggcaaagctc tactccagag ctcctttaac atctgctaat taagtgcaat aaatttttct 240
agaaaatggc aaagatgact tccaggtgga tattgctctc ttacggtgtt ggggatgcca 300
gaacaccact tggttttatt tttctaagtg catgtgatgt gatagagtgt gtggggctct 360
gtgtccttcc ctgggagctg gcattccagc gggcccctct ctttaccttt gttgggggaa 420
ggaggcaaga gagaaattcc ttcttcccag ccagagaggg cagaagcaga ccgtagccca 480
ttggccttat gtgcgtgtgt gcgtgcgagt gtgtcactgc tggtgggccg gagtgatgtg 540
gtgggaggga agccgggaat gtatcctttt cagacaaaat taaatatttt gaaatgagaa 600
aaaaaaaaaa aaaaaactcg nggggggggcc cggtaaccca attcgcccta 650

<210> 1878
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<400> 1878
ctcagngccc gccccatact tgctgagccn gaggaaacca ggatgctgca ggagccagag 60
tctgcactat caagagctgc aggagggctt ctctgagttg gaagaggttc ctggtttgga 120
gaatggtccc acggtggcca gcacaggagc aaatganagg gtgggacagc gggaacagac 180
acgtgctgct ctccttccac cctgagagaa tgctctccag acattcctgc atcccacccc 240
accaaactca gaagcttgct gggatccttc gagtccaata ggaagtccgg gagkgccttc 300
agttttcact caaagcaggc ccttttttcg ttccttccct gttaggggaa gatacacctg 360
gacgagaata tatcctcacc tcaccaccct gaaaagctgc tttctccctt scatccatat 420
cctctcttcc tgtcacctcc ccatacagct tcacatttgc ctcatcgcac ttttcttttc 480
tgtccacctt tcataatccc atccactcca aatcccggac cctgcacacg ccaactccct 540
gaatccaatt caggagtgcc ccagttcccc tttcgatcca tctcctttct actgtagcgg 600
agactacaag tcccaggatg ccccgctagc ccgtgaccgg ctaggaaata aagagccttc 660
tctccgcggt aaaaaaaaaa aaaaaaaaaa aaaactcgag gggggcccg gtacccaatt 720
c 721

<210> 1879
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 1879
ctcgcctgca ctgctctccc tncgctgtgg ggaagcgaca acgtcccgat aacttgcaga 60
ctgtggcgca actggtcttg gtagcggagg cayycgaatg ctgcccgggt gagaaacctg 120
gcaaagaaaa cggtctcgac aatgagtagg ccacccatca ctactaacta cagatgactt 180
gccatttcat ttacaaagat gtcttctgct gctgaaaatg gagaggcagc acctggaaaa 240

BNSDOCID: <WO___0122920A2_I_>

caaaatgaag aaaaaaccta taaaaagact gcatcatctg ctattaaagg tgctattcag 300
ctgggwatag gatacacagt gggtaatctc acttccaagc cagaaccgag atgttcttat 360
gcaagacttt tatgtggtgg aaagtgtgtt cctacccagc gaagggaagc aatcctgacc 420
ccagcacatc actacccaag actttagatt taaggacata cgctccatta gcantccggt 480
atttcagaga acttttggg tatcaagcct gatggattac ttgnattcca tcctgnagtg 540
aaacctctna tagaactggt ctaa 564

<210> 1880
<211> 277
<212> DNA
<213> Homo sapiens

<400> 1880
ttttttttt ttttttttt ttttttttt ttttttttt ttttctaagg cccaaaaatc 60
tatraaacct tgattatttg ttagttttgc aattcaaaac agctaatgtc kggytatttc 120
tcaaagtaag tattttaaac agcctgtaag atactgtata tgcgctgctg tagataccgg 180
aatgaatttt ctgtacatgt ttggttaatt ttttttgtac atgatttttg tatgtttcct 240
tttcaataaa atcagattgg aacagtgaaa aaaaaaa 277

<210> 1881
<211> 2522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2517)
<223> n equals a,t,g, or c

<400> 1881
gccggcccag cgcccgccac cggccmgcgg tgcctccaga ggacctggtc agacaagatg 60
tgaaatggag aagtatctga cacctcagct tcctccagtt cctataattc cagagcataa 120
aaagtataga cgagacagtg cctcagtcgt agaccagttc ttcactgaca ctgaagggtt 180
accttacagt atcaacatga acgtcttcct ccctgacatc actcacctga gaactggcct 240
ctacaaatcc cagagaccgt gcgtaacaca catcaagaca gaacctgttg ccattttcag 300
ccaccagagt gaaacgactg cccctcctcc ggccccgacc caggccctcc ctgagttcac 360
cagtatattc agctcacacc agaccgcagc tccagaggtg aacaatattt tcatcaaaca 420
agaacttcct acaccagatc ttcatctttc tgtccctacc cagcagggcc acctgtacca 480
gctactgaat acaccggatc tagatatgcc cagttctaca aatcagacag cagcaatgga 540
cactcttaat gtttctatgt cagctgccat ggcaggcctt aacacacaca cctctgctgt 600
tccgcagact gcagtgaaac aattccaggg catgcccccc tgcacataca caatgccaag 660

tcagtttctt ccacaacagg ccacttactt tcccccgtca ccaccaagct cagagcctgg 720
aagtccagat agacaagcag agatgctcca gaatttaacc ccacctccat cctatgctgc 780
tacaattgct tctaaactgg caattcacaa tccaaattta cccaccaccc tgccagttaa 840
ctcacaaaac atccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 900
acgcatccac tactgcgatt accctggttg cacaaaagtt tataccaagt cttctcattt 960
aaaagctcac ctgaggactc acactggtga aaagccatac aagtgtacct gggaaggctg 1020
cgactggagg ttcgcgcgat cggatgagct gacccgccac taccggaagc acacaggcgc 1080
caagcccttc cagtgcgggg tgtgcaaccg cagcttctcg cgctctgacc acctggccct 1140
gcatatgaag aggcaccaga actgagcact gcccgtgtga cccgttccag gtcccctggg 1200
ctccctcaaa tgacagacct aactattcct gtgtaaaaac aacaaaaaca aaaaaaaaca 1260
agaaaaccac aactaaaact ggaaatgtat attttgtata tttgagaaaa cagggaatac 1320
attgtattaa taccaaagtg tttggtcatt ttaagaatct ggaatgcttg ctgtaatgta 1380
tatggcttta ctcaagcara tctcatctca tgacaggcag ccacgtctca acatgggtaa 1440
ggggkggggg tggaggggar tgtgtgcagc gtttttacct aggcaccatc atttaatgtg 1500
acagtgttca gtaaacaaat cagttggcag gcaccagaag aagaatggat tgtatgtcaa 1560
gattttactt ggcattgagt agttttttc aatagtaggt aattccttag agatacagta 1620
tacctggcaa ttcacaaata gccattgaac aaatgtgtgg gtttttaaaa attatataca 1680
tatatgagtt gcctatattt gctattcaaa attttgtaaa tatgcaaatc agctttatag 1740
gtttattaca agtttttag gattcttttg gggaagagtc ataattcttt tgaaaataac 1800
catgaataca cttacagtta ggatttgtgg taaggtacct ctcaacatta ccaaaatcat 1860
ttctttagag ggaaggaata atcattcaaa tgaactttaa aaaagcaaat ttcatgcact 1920
gattaaaata ggattatttt aartacaaaa ggcattttat atgaattata aactgaagag 1980
cttaaagata gttacaaaat acaaaagttc aacctcttac aataagctaa acgcaatgtc 2040
atttttaaaa agaaggactt agggtgtcgt tttcacatat gacaatgttg catttatgat 2100
gcagtttcaa gtaccaaaac gttgaattga tgatgcagtt ttcatatatc gagatgttcg 2160
ctcgtgcagt actgttggtt aaatgacaat ttatgtggat tttgcatgta atacacagtg 2220
agacacagta attttatcta aattacagtg cagtttagtt aatctattaa tactgactca 2280
gtgtctgcct ttaaatataa atgakatgtt gaaaacttaa ggaagcaaat gctacatata 2340
tgcaatataa aatagtaatg tgatgctgat gctgttaacc rragggcaga ataaataagc 2400
aaaatgccaa aaggggtctn aattgaartg aaaatgtaat tttgttttta aaatattgtt 2460
tatcttttat ttaggggggg tgggtaatta ttagttaagt ttttttttaan aaaaaanaaa 2520
tt 2522

<210> 1882
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)

<223> n equals a,t,g, or c

<400> 1882
nnatcaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60
gaactagtgg atccccccggg ctgcaggaat tcggcacgag cccacctcca tcctatgctg 120
ctacaattgy ttctaaactg gcaattcaca atccaawttt acccaccacc tgccagttaa 180
ctcmcaaaac wtccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 240
acgcatccac tactgcgatt accctggttg cacaaaagtt tataccaagt cttctcattt 300
aaaagctcac ctgaggactc acactggtga agttatcagt accagactat tttgcttcaa 360
tctgcaaaag gaaggtgtgt gaaggtgaaa agccatacaa gtgtacctgg gaaggctgcg 420
actggaggtt cgcgcgatcg gatgagctga cccgc 455

<210> 1883
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (856)
<223> n equals a,t,g, or c

<400> 1883
ggttctgccc ccactgctta taatgctggt gatctacatt aagatcttcc tggtggcctg 60
caggcagctt cagcgcactg agctgatgga ccactcgagg accaccctcc agcgggagat 120
ccatgcagcc aagtcactgg ccatgattgt ggggattttt gccctgtgct ggttacctgt 180
gcatgctgtt aactgtgtca ctcttttcca gccagctcag ggtaaaaata agcccaagtg 240
ggcaatgaat atggccattc ttctgtcaca tgccaattca gttgtcaatc ccattgtcta 300
tgcttaccgg aaccgagact tccgctacac ttttcacaaa attatctcca ggtatcttct 360
ctgccaagca gatgtcaaga gtgggaatgg tcaggctggg gtacagcctg ctctcggtgt 420
gggcctatga tctaggctct cgcctcttcc aggagaagat acaaatccac aagaaacaaa 480
gaggacacgg ctggttttca ttgtgaaaga tagctacacc tcacaaggaa atggactgcc 540
tctcttgagc acttccctgg agctaccacg tatctagcta atatgtatgt gtcagtagta 600
ggctccaagg attgacaaat atatttatga tctattcagc tgcttttact gtgtggatta 660
tgccaacagc ttgaatggat tctaacagac tcttttgttt ttaaaagtct gccttgttta 720
tggtggaaaa ttactgaaac tattttactg tgaaacagtg tgaactatta taatgcaaat 780
acttttaac ttagaggcaa tggaaaaata aaagttgact gtactaaaaa tgtaaaaaaa 840
aaaaaaaaaa aaattnct 858

<210> 1884
<211> 1419
<212> DNA
<213> Homo sapiens

<400> 1884
gtttccagta gcttggaaag tagagatgac taatgtttta gccttttctt ggagaaaagg 60
aagaactctt cttgaatatt ttcacagatg attgtgattg ctttaaatga cctctgtggc 120
aatttaaatt agatggattt aatctcagta atgtgctggt cgcataaatg tcatgtttta 180
ataggaaaag ttacttgtaa atctttagac ctttgttgtc acttaggctg gggagtcact 240
accctatttg gcatcttact agttgggggg acctttccg tgtacagtga tgggactttt 300
gtgaccttta ctctcactat gcaatagagg gtttcatgta gttaatctga catgtcaaaa 360

ttgggaagac tgtaaccttt ttttttttt tttaagattt ctctttttg tgtccctcaa 420
tacttagcag atgttcattt ggtggaaatt cttattactt acatgaatga gtttgaattt 480
agtggcaagg aagaaaaaaa aaactcaaat tattgtttta aaagaagaaa acttgcaaag 540
tacataagta ttttttaaaa atcaatcgaa cagaaaggaa tgcatgctgt ttttcaatgg 600
cttagacatg ctttttattc actgactagt attcactttt ttacaacttg tatcaaaaca 660
aatgatcttt gtttttgtca caggcaaaaa caggttgaca ctggtgggtt ggctttatta 720
attaattttt tttctattag gttttcttta ataatgttaa atttctaaat tatagcatat 780
gttttagtta attctgaaat cagttacttc atttgttaat ttatccctca tatcatgaat 840
attgtttttt aaatgttcta tacaaatttg catcacttct tttcttacag cttttgcagt 900
taatatattc taaacttgaa aatgtggtat caatcaataa tagaagtatc actggaggat 960
ttatttagct ttgtatttct taattttagt cctagctact aaagtatgta agccttaaag 1020
tttaaaatgt ttttcttaaa ttagctttat acacaaacat tttcatttac tttatgaaat 1080
gggaggagat agtccactgt gcttatgttt ttttgtttaa tttctatatt ctgaagcagt 1140
gcagatatag ggtatgctaa tcaagtgagc aaggtggaac atgtacaata taaggagaag 1200
ctgtaaaaat cacagtataa aattatgaag tttggtaact gtaaaatgta ctgtatttat 1260
atgtaactct cattctaaaa gttgccacaa aagctgaatt ggaagcttca tgtctgcatg 1320
aaatttccta tatttttaat gtgtatgatg aaattaattt ttcttgaata ttaaagtctg 1380
ccaattgcta tgaaaaaaaa aaaaaaaaaa aaaactcga 1419

<210> 1885
<211> 2013
<212> DNA
<213> Homo sapiens

<400> 1885
attcggcacg acgggcaaaa gtctctacca cacctactca actctgtcac gctagcacaa 60
aacagccaca cacaaataca ttaaaaaatg ggtataactg tgttccaata aaactctatt 120
agcaacaggc agtgggccag atstggcact gactgcagtt tactaactat cccctgatca 180
agaatgtcca acaatagctg aaagttactt gagaaagtca gcactgtagg aggaagaaac 240
taacaccaaa acacaagccg gtagttctgg ggaaatgctg gcagaccaag ggcgggacct 300
cttgcccaga ataatctctc tctcctacta aggaacctat aggttcactg aagtaatcca 360
ttactttgaa tcactctctc ctttgcccca cctttaaaca caaatcccca tccctaatag 420
ttactggtga acagatggac tcatcccttt cttatccgag aagccccatc acatgctatg 480
tcctatcaca tgctatacca gaagctaggg ctgcagaggt ggatgacgcc cccagatccc 540
tgccccctag gggcttaaga gtctagcagg ggcacctgac ccaagtaagt acaatgcagg 600
gtaaggctgg ctaaagagca cgtgaaaagg agctgggaac acagctggtc agcagagctt 660
cagggagggc tgaaggacag gctgcacacg aggcactcag aaaacagcag tgaaacagaa 720
ggcaggcagc aacggcagtg gtactggacc tggggaacac caagttcaag ctctatatac 780
aacgaggaca aaaatgaacc aggctccctg aaagcaggga atctaacctg tgctacggcg 840
ccttcccagt ccacgagggc gtgagagtac atacacatgc aagtgcactc cagcgctcac 900
ccaagcaaca cccttggaga aacacggact ccaggcccaa atccagcctg agaccctcaa 960
agggcagatc cgctaacctc aagttttcag aagatctgaa cccactgggg gctcctgctc 1020
ctctgcctgc cccatgccag actaggattc cagtgacata agcgccctct acagactcag 1080
aaggacagag aaggttctgc tggaagtggg ctcctcagca aaccagcaga taggggttcc 1140
tttgatattt ataccccagg ttttttcact ctcacgtgac atctatgtgg ggccaatgaa 1200
gccaattctt cttttgtaca tatgcagtcc tgtaagaatg cattcaaacg ggatccgcta 1260
attaggaatt ttctcctgga attctcaaca gtctatgggg ccagaagctt tccacaaacc 1320
agtgaaggtg gcagcaaaga aagcctctta gacgaggagc tggcagcagc tgctatctag 1380
atagacagca aaaaccaacc actaattcag caaacacaac ctcataccta accgcttccc 1440
tttaaatggc cttcggtgtg tgcgcacatg ggcacgtgcg gggagaacca tacttattcc 1500
cctgttcccg gcctaccacc tctgctcccc cttctcttct ctaccattta actgtctcct 1560

ctgctttgtt tcttatcact gctgctggtg tctagagcca gccagcagta cctggcagac 1620
atcgcgaccc tgcgggcagc gcttaggact gcacatttac atttcccaaa tgatctgggt 1680
agatggggac aggtgaagac ttggggaaac ggaaatatac gaatgacatg agacatgcat 1740
atctagtgtc aatccattcg actgggcaca ggacagcaga ctgctgacag tgctatgtaa 1800
gattatgagt gatcctccct ctattttgca aacagtctgt aagtaactga taaaacttta 1860
aaatatgcaa attttaaaat tatatagttt gatttactca tcaaattatc atgtatgctg 1920
ttatttaagt atgaataaag gctttttttaa attgggaaaa aaaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaaggggggg ggg 2013

<210> 1886
<211> 1893
<212> DNA
<213> Homo sapiens

<400> 1886
gcccacgcgt ccgcggacgc gtgggtcgac ccacgcgtcc gaaaaaacat ggtttctcct 60
ctctctcctg tcttcttact ctctatccca tttgatgtag tgatttttaa atgcttttgt 120
aagttaattc ttaacacaaa agagacattg taatgaggca caccactaaa gtgagcatgc 180
ccaattaaaa ccagtgtaat ataggataag aaaatctgat ttttcaaaaa agatactcta 240
cataaagaat ccttcatata aaaagttctt tcttgtagta catttaaagt tttaattcac 300
tcatgtataa ctgagagttc ctttgagccc tttttaggca gggaggcatg tctgtcatct 360
agcgtgtggc ccagtaagtg attattacat tggaatcagt ttttcagtct tttaaaataa 420
attctatgcc ataagaataa aagataaaga gcaaaattaa tgttaactat ttttagctta 480
ttataactat gtcaacaagt gtttattaat acctattatg ggaaagtcac tgtggttggc 540
attgaaaatt acatcatctt taaagcagta tttgtcccca gatggactca tcactagcaa 600
agactaggtt cattggaagg catagggtga gagaatggga agatgragtg gaggcgggtt 660
gttaaagtgc tgtcagtgag tgattttgtc tacttgaata atggtccatg tttgggggca 720
tattgtgttt cataagaagt gaaaggtatt tgcaaagtaa gctacaaatg acccataaat 780
ctgttaacaa cagtccttaa tatgcaaaga tgaaaaacaa gcattactgc tacccaaagg 840
gaactggtgc ttggtgatgt gcagatgggg ctgttggtta agagagctat tacaggtttt 900
ctctcttagg tttcatagga ggtagttact gagatgagat tgttttatct ttttgaatac 960
agatctcttg tcttgagtta gttctgagga tgggagtaat aaaggagttt tttgtttttt 1020
tgtttgtttg tttgttttgg ctccttagta atactcctct gacatttatt tctattattc 1080
ttcaaagaaa ggaaaccaac tgaaatgttt gctttaacaa acattttaat aagttctctg 1140
ggtttttttt tccccttta aaaaaattag catataccat agcaataaaa gaactaatgt 1200
taactattgt atgctacaac ttaagtgatt tttctaaaga agcacaatgt cattgaaagt 1260
attattgaaa aggatcatag tcacattgaa tttgtgaagg ccaaagaaat tgaagggagt 1320
gatattttca ttttatgata ttcacatatt tagtaaattt tgtgtacaag aataccaggc 1380
agagtgtttt acccatggaa acaggtttca gattactttg tttttactgt tagagtctca 1440
agtttagaaa tgctaacact taaatcagtt ttttttctcac tatacttgaa gattgttaat 1500
attttgatat cttcctagct tgatgaattt aaacatatct tcagatctgt gacagtgaca 1560
gccaatagga ctgataatat tagcttcaaa ccaataatat ccagggttaa aataaaaatc 1620
atagtgaaag tacgattgta aaattatgct atattaactt ttaagtctgt aataacttga 1680
catcaaaatg ttatgtaatt accataaata atggctagcg agaacatctt tggaaattct 1740
caaattacct ttcttactac actgtttgca gaatgaatgt agaaatgatc ctgttagctt 1800
tctgaatgtt ctgtggttga atgtgttttt gcttaaataa agcttttggt atttgtttaa 1860
attamaaaaa aaaaaaaaaa aaaaaaaact cga 1893

<210> 1887
<211> 433
<212> DNA

<213> Homo sapiens

<400> 1887
aattcggcac gagggcgcag gccccagcca gctcaggcta cactatccca ggatcagcat 60
ggccgtccgc cagtgggtaa tcgccctggc cttggctgcc ctccttgttg tggacaggga 120
agtgccagtg gcagcaggaa agctcccttt ctcaagaatg cccatctgtg aacacatggt 180
agagtctcca acctgttccc agatgtccaa cctggtctgc ggcactgatg ggctcacata 240
tacgaatgaa tgccagctct gcttggcccg gataaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtggtgg gcatggagag gatatgacat gaaataaaag atccagccca aaaaaaaaaa 420
aaaaaaaaaa aaa 433

<210> 1888
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<400> 1888
gagggaagtc aagaagggag gttgaggact gcacttttga tttacttctg acttcacgag 60
tcactttctg ccaaagaaat ctctcctttt gcttctagca ccgactagat ttccttcagc 120
tgatgattga ctcccagaat tcgaaagaaa ctgagtccca caaagctctg tctgatctgg 180
agctcgcagc ccagtcaata atcttcattt ttgctggcta tgaaaccacc agcagtgttc 240
tttccttcac tttatatgaa ctggccactc accctgatgt ccagcagaaa ctgcaaaagg 300
gagattgatg cagttttgcc caataaggca ccacctacct atgrtgccgt ggtacagatg 360
gattaccttg acakggtggt gaatgaaacc tcaaattatn cccgttggta tta 413

<210> 1889
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (776)
<223> n equals a,t,g, or c

<400> 1889
gagaaaaagg tagaagaata aaagatccag tacttcttcc tgggtaagca gttatgacca 60
gagatggaac cggcaactct ttggccagaa agctgtatcc aaaagacaga gaagatgaat 120
gtttttgttc actggtgact caggtaacac gtcttcaaga agccataggg aggttgaggg 180
agggaagtca agaagggagg ttgaggactg cacttttgat ttacttctga cttcacgagt 240
cactttctgc caaagaaatc tctccttttg cttctagcac cgactagatt tccttcagct 300
gatgattgac tcccagaatt cgaaagaaac tgagtcccac aaagctctgt ctgatctgga 360
gctcgcagcc cagtcaataa tcttcatttt tgctggctat gaaaccacca gcagtgttct 420
ttccttcact ttatatgaac tggccactca ccctgatgtc cagcagaaac tgcaaaagga 480
gattgatgca gttttgccca ataaggtgag gggatgaccc ctggagatga agggaagagg 540

tgaagcctta gcaaaaatgc ctcctcacca ctccccagga gaatttttat aaaaagcata 600
atcactgatt ccttcactga cataatgtag gaagcctctg aggagaaaaa caaagggaga 660
aacatagaga acggttgcta ctggcagaag cataagatct ttgtacaata ttgctggccc 720
tggttcacct gtttactgtt atcacaataa tgctaagtaa aaaaaaaaaa aaaaanggcg 780
gcc 783

<210> 1890
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<400> 1890
cgcncgagca ccctagcaca gcgccgggta agatgagcac ggaaggtggt ggccgtcgct 60
gccaggcaca agtktcccgc cgcatctcct tcagcgcgag ccaccgattg tacagtaaat 120
ttctaagtga tgaagaaaac ttgaaactgt ttgggaaatg caacaatcca aatggccatg 180
ggcacaatta taaagttgtg gtgacagtac atggagagat tgaccctgct acgggaatgg 240
ttatgaatct ggctgatctc aaaaaatata tggaggaggc gattatgcag ccccttgatc 300
ataagaatct ggatatggat gtgccatact ttgcagatgt ggtgatnctc cctggtctat 360
aacaggangc cccttaccca gcagcaggca gatatggnc 399

<210> 1891
<211> 3035
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2911)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (2959)
<223> n equals a,t,g, or c

<400> 1891
cccggagcag cgcggcagca gcatggctca cgggcccggc gcgctgatgc tcaagtgcgt 60
ggtggtcggc gacggggcgg tgggcaagac gtgcctactc atgagctatg ccaacgacgc 120
cttcccggag agtacgtgcc caccgtcttc gaccactacg caggaagact atgaccgtct 180
gaggccttta tcttacccaa tgaccgatgt cttccttata tgcttctcgg tggtaaatcc 240
agcctcattt caaaatgtga aagaggagtg ggtaccggaa cttaaggaat acgcaccaaa 300
tgtacccttt ttattaatag gaactcagat tgatctccga gatgacccca aaactttagc 360
aagactgaat gatatgaaag aaaaacctat atgtgtggaa caaggacaga aactagcaaa 420
agagatagga gcatgctgct atgtggaatg ttcagcttta acccagaagg gattgaagac 480
tgtttttgat gaggctatca tagccatttt aactccaaag aaacacactg taaaaaaaag 540
aataggatca agatgtataa actgttgttt aattacgtga gaaacatctt cagtggccaa 600
ggaaactgtc catttctctc agaaagcaaa tgaaatgcta cagctatacc cagacctttt 660
ataggtaatg aagcagttca aaacttgaaa gaaaacaaaa cctgtcctca gaattctata 720
aagtgtatta agaatgttcc ttaaaggttt aagaagcagt aagcagcatc tgaagccaca 780
atctattata aatactttat ttcaactaga aggtacaatc tctcaggggt ttcatagttt 840
aaaaagctac aatcacatca tgttgtaact acgtaaaaaa cagagctgta aatggaactg 900
cttggctttg accatacaca tttctgccca gcccttacag aatctgcaca aagaaatatc 960
tccctttgct ccagttaatt gttcttgtat gtaagttgct ttctattcca gtatatccag 1020
agtggtgaaa taacaaggcc agccacgtag ccaaaggtcg ctccaagcgt acaggagatg 1080
ggccatacct gaggagagaa tgtatgagat caaaaaagaa caaatgtttt attattactt 1140
gagcacaagt gtaacctaaa tatttctata ttaaagctta atgtgctttc ttaaagaatg 1200
ccaaaagtgt aataaggtca taactgcatt tatcatgaac actaaaaatg tacacatttt 1260
agttaatgtg cattaaactg taacaaggct tctggcaatt gtagatttag tttgacgctc 1320
cccaaagtgc atgagacaca tgctaaaatt acaaattaaa attttgggtc agactttgcc 1380
ataatgatag actcaattta gctctctgaa ctagttggta attttttttt tttaattccc 1440
actttggctg tgtacatcaa atgaaatgag aagtgtgtat gctgaccaaa ccacaagaaa 1500
ctttctttaa gttgtgttaa agaggaaaga cctagaatcc aagcgtgtta catgaaaatt 1560
gtaacagagc agctgcttcc acctttcaga tatagatgtt ggaaccacag cagaagttat 1620
agagcgacaa cttatataca cacctagaat gtaagttaaa caaaataccg gcttccagag 1680
acccctttc tccagccata ttacatcagg ctagaagtaa ttaatgttga tttatttcat 1740
ctacaagcag ttggtcccta agtgaaaggc tctgcttgaa aaaaaaaaga aaaaaaagtt 1800
ggaggaaaat tttcatgttc ttctgtgaag cttatttggt acactggagc catttctaat 1860
ctttctctgg ggggaacagg ccacagaact gtgttagagg tgaaccatct taattactag 1920
ttctattacc taattcagct tccttgtttg gtctgctgtg gatctgcctt attgcatatg 1980
ccatgcatca gataatggat gcatcagata atggtgttag acaaagcttc attgtgaaca 2040
acctaatgca ttttagagaa acaatctcat cacatttttt ctagcctttc ctacatttaa 2100
acttgctgtt gcccaaatta taatttttta aatgtctttg gtgggcttct gttaattcac 2160
atgacttgag cttatagcta tgtctactgc acagattggg taatggaaca ctaaactttt 2220
atacttgaaa atgacagcct taaatgctca tatcagtcac aaatctagga tgtactgtct 2280
tgttgtatgt gagctttgta gagattttta aaaatataag catcaccttc ccattgaaga 2340
gtggagagag tctactggat gactggccag gaactttctc tctgaatcgg acatttggat 2400
gtcttctttc ttccaagaaa tggtggttca cattaaagta tcatggcctt atgtatgctc 2460
aaatggaatc ttatgtaact ttcttattta attttggtct gcttattttt agataaaatt 2520
gaaaggaatt gtataaatca attaacatat tagctgagtt gtccaacaca tggtataaac 2580
gaattacaac agtaaactat tacacatttc caacttgcct ttggggattt atgaggattt 2640
tttttggtgg ggggaggggg ctccaattca tatctctgaa acccttcaca cttggtttac 2700
taattcaaag ttagaagtct agaatttgcc ctgccctaac agaaacagat taggaatttg 2760

tctacacaaa ctggtgtcac ctgtttcttg actgggattt ggtttcctca ttataaatat 2820
gggaggtaga acagagatct ccaacgtctc tcccatttat cacagtaatt ttcttattca 2880
cagtaatcat tgttggrtgt tacttttca ncttcacatt ctcaagatgg taaaaatcat 2940
gtatatagat tatcagaant ctaagcaaag atgactgtca catctgaagc tgaggtgcct 3000
taggtacatc ggccgcgacc acggtaagcc gaatt 3035

<210> 1892
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<400> 1892
gtgagctccg tctcaaaaaa taaataaaat agaagcagcc ttgtaactgt atttaccatg 60
ataatatatt ctgcacggta agaattcctt ttacagacat tctttatcaa gaggtcggcc 120
cttctttttc aggcacataa gccaaatgca ggcctgtgtg tagctgtgtg ttttttctgt 180
ggttgccgca tttattccac ctccagctgg acccccccact gcaaatagag aacagcggtg 240
ggggatgggg gttaaaaagt agagaacctc ctttctgttc aactaatttc acgtgacagt 300
gcatgtattt attcaataaa acctttatgt tagctcaaaa aaaaattcca aatgaagaaa 360
agaaagaaac tttnaa 376

<210> 1893
<211> 1304
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1304)
<223> n equals a,t,g, or c

<400> 1893
cggcggcggt cggtcctgcc tgtaacggcg gcggcggctg ctgctccaga cacctgcggc 60
ggcggcggcg accccgcggc gggcgcggag atgtggcccc tggtagcggc gctgttgctg 120
ggctcggcgt gctgcggatc agctcagcta ctatttaata aaacaaaatc tgtagaattc 180
acgttttgta atgacactgt cgtcattcca tgctttgtta ctaatatgga ggcacaaaac 240
actactgaag tatacgtaaa gtggaaattt aaaggaagag atatttacac ctttgatgga 300
gctctaaaca agtccactgt ccccactgac tttagtagtg caaaaattga agtctcacaa 360
ttactaaaag gagatgcctc tttgaagatg gataagagtg atgctgtctc acacacagga 420
aactacactt gtgaagtaac agaattaacc agagaaggtg aaacgatcat cgagctaaaa 480
tatcgtgttg tttcatggtt ttctccaaat gaaaatattc ttattgttat tttcccaatt 540
tttgctatac tcctgttctg gggacagttt ggtattaaaa cacttaaata tagatccggt 600

ggtatggatg agaaaacaat tgctttactt gttgctggac tagtgatcac tgtcattgtc 660
attgttggag ccattctttt cgtcccaggt gaatattcat taaagaatgc tactggcctt 720
ggtttaattg tgacttctac agggatatta atattacttc actactatgt gtttagtaca 780
gcgattggat taacctcctt cgtcattgcc atattggtta ttcaggtgat agcctatatc 840
ctcgctgtgg ttggactgag tctctgtatt gcggcgtgta taccaatgca tggccctctt 900
ctgatttcag gtttgagtat cttagctcta gcacaattac ttggactagt ttatatgaaa 960
tttgtggctt ccaatcagaa gactatacaa cctcctagga aagctgtaga ggaacccctt 1020
aatgcattca aagaatcaaa aggaatgatg aatgatgaat aactgaagtg aagtgatgga 1080
ctccgatttg gagagtagta agacgtgaaa ggaatacact tgtgtttaag caccatggcc 1140
ttgatgattc actgttgggg agaagaaaca agaaaagtaa ctggttgtca cctatgagac 1200
ccttacgtga ttgttagtta agtttttatt caaagcagct gtaatttagt taataaaata 1260
attatgatct aaaaaaaaaa angacaagaa ttaaatgata aacn 1304

<210> 1894
<211> 2617
<212> DNA
<213> Homo sapiens

<400> 1894
ctactaaagg gaacaaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggg ctgcaggaat tcggcackag cggctgggcg ctgaggatca gccgcttcct 120
gcctggattc cacagcttcg cgccgtgtac tgtcgcccca tccctgcgcg cccagcctgc 180
caagcagcgt gccccggttg caggcgtcat gcagcgggcg cgacccacgc tctgggccgc 240
tgcgctgact ctgctggtgc tgctccgcgg gccgccggtg gcgcgggctg gcgcgagctc 300
ggcgggcttg ggtcccgtgg tgcgctgcga gccgtgcgac gcgcgtgcac tggcccagtg 360
cgcgcctccg cccgccgtgt gcgcggagct ggtgcgcgag ccgggctgcg gctgctgcct 420
gacgtgcgca ctgagcgagg gccagccgtg cggcatctac accgagcgct gtggctccgg 480
ccttcgctgc cagccgtcgc ccgacgaggc gcgaccgctg caggcgctgc tggacggccg 540
cgggctctgc gtcaacgcta gtgccgtcag ccgcctgcgc gcctacctgc tgccagcgcc 600
gccagctcca ggaaatgcta gtgagtcgga ggaagaccgc agcgccggca gtgtggagag 660
cccgtccgtc tccagcacgc accgggtgtc tgatcccaag ttccaccccc tccattcaaa 720
gataatcatc atcaagaaag ggcatgctaa agacagccag cgctacaaag ttgactacga 780
gtctcagagc acagataccc agaacttctc ctccgagtcc aagcgggaga cagaatatgg 840
tccctgccgt agagaaatgg aagacacact gaatcacctg aagttcctca atgtgctgag 900
tcccaggggt gtacacattc ccaactgtga caagaaggga ttttataaga aaaagcagtg 960
tcgcccttcc aaaggcagga agcggggctt ctgctggtgt gtggataagt atgggcagcc 1020
tctcccaggc tacaccacca aggggaagga ggacgtgcac tgctacagca tgcagagcaa 1080
gtagacgcct gccgcaagkt taatgtggag ctcaaatatg ccttattttg cacaaaagac 1140
tgccaaggac atgaccagca gctggctaca gcctcgattt atatttctgt ttgtggtgaa 1200
ctgatttttt ttaaaccaaa gtttagaaag aggtttttga aatgcctatg gtttctttga 1260
atggtaaact tgagcatctt ttcactttcc agtagtcagc aaagagcagt ttgaattttc 1320
ttgtcgcttc ctatcaaaat attcagagac tcgagcacag cacccagact tcatgcgccc 1380
gtggaatgct caccacatgt tggtcgaagc ggccgaccac tgactttgtg acttaggcgg 1440
ctgtgttgcc tatgtagaga acacgcttca cccccactcc ccgtacagtg cgcacaggct 1500
ttatcgagaa taggaaaacc tttaaacccc ggtcatccgg acatcccaac gcatgctcct 1560
ggagctcaca gccttctgtg gtgtcatttc tgaaacaagg gcgtggatcc ctcaaccaag 1620
aagaatgttt atgtcttcaa gtgacctgta ctgcttgggg actattggag aaaataaggt 1680
ggagtcctac ttgtttaaaa aatatgtatc taagaatgtt ctagggcact ctgggaacct 1740
ataaaggcag gtatttcggg ccctcctctt caggaatctt cctgaagaca tggcccagtc 1800
gaaggcccag gatggctttt gctgcggccc cgtggggtag gagggacaga gagacaggga 1860
gagtcagcct ccacattcag aggcatcaca agtaatggca caattcttcg gatgactgca 1920

gaaaatagtg ttttgtagtt caacaactca agacgaagct tatttctgag gataagctct 1980
ttaaaggcaa agctttattt tcatctctca tcttttgtcc tccttagcac aatgtaaaaa 2040
agaatagtaa tatcagaaca ggaaggagga atggcttgct ggggagccca tccaggacac 2100
tgggagcaca tagagattca cccatgtttg ttgaacttag agtcattctc atgcttttct 2160
ttataattca cacatatatg cagagaagat atgttcttgt taacattgta tacaacatag 2220
ccccaaatat agtaagatct atactagata atcctagatg aaatgttaga gatgctatat 2280
gatacaactg tggccatgac tgaggaaagg agctcacgcc cagagactgg gctgctctcc 2340
cggaggccaa acccaagaag gtctggcaaa gtcaggctca gggagactct gccctgctgc 2400
agacctcggt gtggacacac gctgcataga gctctccttg aaaacagagg ggtctcaaga 2460
cattctgcct acctattagc ttttctttat ttttttaact ttttgggggg aaaagtattt 2520
ttgagaagtt tgtcttgcaa tgtatttata aatagtaaat aaagttttta ccattaaaaa 2580
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 2617

<210> 1895
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<400> 1895
ctgagatggc ggcgcccggg atcctgtgta gcggctgcag agggtgccgc cgccctaggc 60
gaagtagggc cgtcctgagc gaaagaaccg cccccagcag gagcaccacc acggtttagc 120
aaagaatccc agaccccgcc cgggaaggca gccgcaccat ggagtcttcc agttcatcta 180
actcttattt ctccgttggc ccaaccagtc ccagcgctgt cgtgctcctc tactcgaagg 240
agctcaaaaa gtgggatgag tttgaagata ttttagaaga gaggaggcat gtcagtgact 300
tgaaatttgc aatgaaatgc tacacacctc ttgtctataa gggaattact ccatgtaaac 360
caattgatat taaatgtagt gttctcaatt ctgaggrgat tcattatgtc attaaacagy 420
tttccaagga wtcccttcaa tctgtgggtg tccccccgag gaagttagta ggttttaggt 480
ggaatgggtc acaaatnggt tttgggccct tcggtttgtg ncttancngg gcaagttttt 540
aacaaatttt 550

<210> 1896

<211> 857
<212> DNA
<213> Homo sapiens

<400> 1896
gcgggcgggg ctcggccggg gcaccggtga gtgccgggtg cagagggagg cggcactggt 60
ctcgacgtgg ggcggccagc gatgaagccg cccagttcaa tacaaacaag tgagtttgac 120
tcatcagatg aagagcctat tgaagatgaa cagactccaa ttcatatatc atggctatct 180
ttgtcacgag tgaattgttc tcagtttctc ggtttatgtg ctcttccagg ttgtaaattt 240
aaagatgtta gaagaaatgt ccaaaaagat acagaagaac taaagagctg tggtatacaa 300
gacatatttg ttttctgcac cagaggggaa ctgtcaaaat atagagtccc aaaccttctg 360
gatctctacc agcaatgtgg aattatcacc catcatcatc caatcgcaga tggagggact 420
cctgacatag ccagctgctg tgaaataatg gaagagctta caacctgcct taaaaattac 480
cgaaaaacct taatacactg ctatggagga cttgggagat cttgkcttgt agctgcttgk 540
ctcctactat acctgtctga cacaatatca ccagagcaag ccatagacag cctgcgagac 600
ctaagaggat ccggggcaat acagaccatc aagcaataca attatcttca tgagtttcgg 660
gacaaattag ctgcacatct atcatcaaga gattcacaat caagatctgt atcaagataa 720
aggaattcaa atagcatata tatgaccatg tctgaaatgt cagttctcta gcataatttg 780
tattgaaatg aaaccaccag tgttatcaac ttgaatgtaa atgtacatgt gcagatattc 840
ctaaagtttt attgaca 857

<210> 1897
<211> 779
<212> DNA
<213> Homo sapiens

<400> 1897
cgccggcgct gcagagggag gcggcactgg tctcgacgtg gggcggccag cgatgaagcc 60
ggctatcttt gtcacgagtg aattgttctc agtttctcgg tttatgtgct cttccaggtt 120
gtaaatttaa agatgttaga agaaatgtcc aaaaagatac agaagaacta aagagctgtg 180
gtatacaaga catatttgtt ttctgcacca gaggggaact gtcaaaatat agagtcccaa 240
accttctgga tctctaccag caatgtggaa ttatcaccca tcatcatcca atcgcagatg 300
gagggactcc tgacatagcc agctgctgtg aaataatgga agagcttaca acctgcctta 360
aaaattaccg aaaaaccttа atacactgct atggaggact tgggagatct tgtcttgtag 420
ctgcttgtct cctactatac ctgtctgaca caatatcacc agagcaagcc atagacagcc 480
tgcgagacct aagaggatcc ggggcaatac agaccatcaa gcaatacaat tatcttcatg 540
agtttcggga caaattagct gcacatctat catcaagaga ttcacaatca agatctgtat 600
caagataaag gaattcaaat agcatatata tgaccatgtc tgaaatgtca gttctctagc 660
ataatttgta ttgaaatgaa accaccagtg ttatcaactt gaatgtaaat gtacatgtgc 720
agatattcct aaagttttat tgacaaaaaa aaaaaggaag aaaaaaacac aacaaaaaa 779

<210> 1898
<211> 3310
<212> DNA
<213> Homo sapiens

<400> 1898
cggaggaggg ctgctgtgga ggagaagcgg aggcagagac ttgaggagga caaagaacgc 60
cacgaagctg ttgtacggcg cacaatggaa aggagccaga agccaaaaca gaagcataac 120
cgttggtcgt ggggaggctc tctccatggg agccctagca tccacagtgc agctcgccgc 180
ctgcagctca gcccatggga gagcagcgtt gttaacagac tcctgacgcc cacacattcg 240

ttcctggcca gaagtaaaag cacagctgcc ttgtctggag aagcagcatc ttgcagcccc 300
atcatcatgc cctacaaagc tgcacactct agaaattcga tggatcgacc aaaactcttt 360
gtaacaccac ctgagggctc ttctcgcagg aggatcattc atggcacagc gagctataaa 420
aaagaaagag agagagaaaa tktactcttc ctcacatctg gcacccgaag ggctgtatct 480
ccatctaatc ccaaagcaag acaaccagct cgctcccgac tttggcttcc gtccaagtct 540
cttcctcatt tgcctggcac acccagaccg acatcctcct tgccacccgg ctcagtcaaa 600
gctgctcctg ctcaggtccg gcccccatcc cccggcaaca tccgccctgt caagagggaa 660
gtcaaagtgg agcctgagaa gaaagatcct gagaaggaac ctcagaaagt tgccaatgag 720
ccctcactaa agggcagagc acctttagtg aaggtagaag aagccacagt tgaagagcgg 780
acacctgctg aaccagaagt tggscctgct gctccagcca tggccccagc tccagcctcg 840
gccccagctc cagcctcggc cccagctcca gccccggtcc ccaccccagc catggtctca 900
gccccgtcat ccactgtgaa tgccagtgct tctgttaaga cttctgcagg caccaccgac 960
ccagaggagg ccacaaggct tctagctgag aagaggcggc tggcccgaga gcagagagaa 1020
aaggaagaaa gggagaggag ggagcaggaa gagcttgaaa gacaaaagag agaggaattg 1080
gctcaacgtg tggctgaaga gaggacgact cgccgtgagg aggagtcgcg caggctggaa 1140
gccgagcagg cccgggagaa ggaggagcag ctgcagcggc aggcggagga gcgggcgctg 1200
cgcgagtggg aggaggcaga gcgcgcccag aggcagaaag aagaagaagc tcgcgttcgt 1260
gaagaagcag agagggtccg gcaggaacga gagaagcatt tccagagaga agagcaagag 1320
cgcctggaga gaaagaagcg acttgaggag attatgaaaa gaaccaggag aacagaagct 1380
acagataaga aaaccagtga tcagagaaac ggtgatatag ccaagggagc tctcactgga 1440
ggaacagagg tgtctgcact tccatgtaca acaaacgctc cgggaaatgg aaagccagtt 1500
ggcagcccac atgtggttac ctcacaccag tcaaaagtga cagtggagag cactcccgat 1560
ttggaaaaac aaccaaatga aaatggtgta tctgttcaga atgaaaattt tgaagaaatt 1620
ataaacttac ccattggatc taaaccatcc agattagatg tcaccaacag tgagagccca 1680
gaaattcctt tgaatccaat tttggccttt gatgatgaag ggacacttgg gcccctgcct 1740
caggtagatg gtgttcagac acagcagact gcagaagtta tatgagtgtt tcttctgaag 1800
aaccaaagct gaaatttaat gagaatttct acaattaatg gaattccttt cctgctataa 1860
aggagcatcc cctccacccg ttttctagag ttcttgacca tcattttgaa aagatttatt 1920
aaaactagct aaagacaaca gactggatag cttttctaat aattttcatc aataggaaaa 1980
aagaaatacg tctcattctt caatacttta aaatggcttt ttccagtgtg ctccttctta 2040
gcaatcaata tttttctgca ttctttaaaa gacaagagaa tttggttata aaagaaatgg 2100
gctgactagg catgattttt ttggtcttaa aagcttaaca tgtaaaattg gcaaaaaaaa 2160
ttttttacct tttataatac ttgaaaaata agtacctctt tgttctacaa gtagaatgaa 2220
taggagaaga gtttaagcct gtttttttaa aatattattg caaagagctc tatttgtaga 2280
agcaaattat aggcagatta ccaggttctt ataaatacag cttgtacatg gacattctgc 2340
aaacccagct gtcacatttt tcttgcaact ccttttgcaa aagcagacta aaatgtttta 2400
aaatgtgaaa aaacattatt ttttcaaagc aagaaaataa tttactgccc tcttacataa 2460
tgtatttata aagtttttcc agataaacta atcaaataaa ttagaataat gtgacaacat 2520
tacaaattta atttgttagc tgcattcctt ctgatgttac cacgatagaa tgttactgat 2580
gattcagggc tatttctgaa gtctgtatgt tgctgctgtc cccagtgatg gtggacttat 2640
ctttgcctta cctgatcaca aattatgttg gggaaaataa agatttaata tttctttaaa 2700
tagaaaaaga atttggtttt gctcgtttaa gagcaatgag aaaatgatgg aatgttgact 2760
gtgtttggca cacaggacac ggaccttcat ggaagtcctt gctctgcgtg gcatctgtca 2820
gcttttcacc tttcattctt attcttcact tttgctgctg agcctagctg tacaaacttg 2880
cactttcatt tgctaatata aattcagttt tattttacca ttttagagac tactaatgat 2940
taaatgtaga aggagagggt gcacatgttt ttatgtggag tgtttaaaag ataaatttat 3000
accactgtaa tgtgcagctt ttattaaaag agaaattggt tgaactgcta ggttgaatga 3060
gagacttcat ctattggact attttttta atccaggcat atggtcttta gtaatggctt 3120
gtaatttgtg aaaacattaa tttgggggtt ttccctgttt tcagttgtcc atgtacacat 3180
agtcattata ttagaaaaga aagctgttca acaaacttgt ttaatttgtt taaatcaaca 3240
tagcatgaaa caccaaataa aatgtttgac atagttttaa aaaaaaaaaa aaaaaaaaaa 3300

aaaaaaaaaa 3310

<210> 1899
<211> 1184
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (995)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1041)
<223> n equals a,t,g, or c

<400> 1899
ccgctgagcc tgatcgtttt acccatgtgc ctgcttcacc attttctgcc tgcatctgct 60
tgaatctgct gttgccttgg tgccttgacc ttacgtccat cagtggcccg tgctgtagtg 120
gttggagggg agtgacaggc agcagagggc aaataaaata cctgtgaatc aaaccatggt 180
ttaggtacaa ccccacctga aaatggactc tcagagcacc cctgtgaaac agaacagata 240
aatgcaaaga gaaaagatac aaccagtgac aaagatgatt cgctaggaag ccaacaaaca 300
aatgaacaat gtgctcaaaa ggctgagcca acagagtcct gcgaacaaat tgctgtccaa 360
gtgaataatg gggatgctgg aagggagatg ccctgcccgt tgccctgtga tgaagaaagc 420
ccagaggcag agctacacaa ccatggaatc caaattaatt cctgttctgt gcgactggtg 480
gatataaaaa aggaaaagcc attttctaat tcaaaagttg agtgccaagc ccaagcaaga 540
actcatcata accaggcatc tgacataata gtcatcagca gtgaggactc tgaaggatcc 600
actgacgttg atgagcccтt agaagtcttc atctcagcac cgagaagtga gcctgtgatc 660
aataatgaca acccтttaga atcaaatgat gaaaaggagg gccaagaagc cacttgctca 720
cgaccccaga ttgtaccaga gcccatggat ttcagaaaat tatctacatt cagagaaagt 780
tttaagaaaa gagtgatagg acaagaccac gacttttcag aatccagtga ggaggaggcg 840
cccgcagaag cctcaagcgg ggcactgaga agcaagcatg gtgagaaggc tcctatgact 900
tctagaagta catctacttg gagaataccc agcaggaaga gacgtttcag cagtagtgac 960
ttttmagacc tgagtaacaa atgtctttat ttgcngcaaa agctacattc actttttatt 1020
ttaaaggata taacataaaa ngtgaatgta gcttttgcag caaataaaga cattcacttt 1080
ttatgttata tcctttaaaa taaaaaatta atttgttggg attttagatg atttgcattt 1140
tacattttca attagatgag ttgggctggt ataaaacata agcc 1184

<210> 1900
<211> 3878
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2078)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (2079)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3847)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3869)
<223> n equals a,t,g, or c

<400> 1900
tgacacgggc cccacaggca tcaagtatga cctggaccgg caccagtaca actacgtgga 60
cgctgtgtgc tatgagaacc gactgcactg gtttgccaag tacttccgct acctggtgct 120
tctgcacacg ctcatcttcc tggcctgcag caacttctgg ttcaaattcc cgcgcaccag 180
ctcgaagctg gagcactttg tgtctatcct gctgaagtgc ttcgactcgc cctggaccac 240
gagggccctg tcggagacag tggtggagga gagcgacccc aagccggcct tcagcaagat 300
gaatgggtcc atggacaaaa agtcatcgac cgtcagtgag gacgtggagg ccaccgtgcc 360
catgctgcag cggaccaagt cacggatcga gcagggtatc gtggaccgct cagagacggg 420
cgtgctggac aagaaggagg gggagcaagc caaggcgctg tttgagaagg tgaagaagtt 480
ccggacccat gtggaggagg gggacattgt gtaccgcctc tacatgcggc agaccatcat 540
caaggtgatc aagttcatcc tcatcatctg ctacaccgtc tactacgtgc acaacatcaa 600
gttcgacgtg gactgcaccg tggacattga gagcctgacg ggctaccgca cctaccgctg 660
tgcccacccc ctggccacac tcttcaagat cctggcgtcc ttctacatca gcctagtcat 720
cttctacggc ctcatctgca tgtatacact gtggtggatg ctacggcgct ccctcaagaa 780
gtactcgttt gagtcgatcc gtgaggagag cagctacagc gacatccccg acgtcaagaa 840
cgacttcgcc ttcatgctgc acctcattga ccaatacgac ccgctctact ccaagcgctt 900
cgccgtcttc ctgtcggagg tgagtgagaa caagctgcgg cagctgaacc tcaacaacga 960
gtggacgctg gacaagctcc ggcagcggct caccaagaac gcgcaggaca agctggagct 1020
gcacctgttc atgctcagtg gcatccctga cactgtgttt gacctggtgg agctggaggt 1080
cctcaagctg gagctgatcc ccgacgtgac catcccgccc agcattgccc agctcacggg 1140
cctcaaggag ctgtggctct accacacagc ggccaagatt gaagcgcccg cgctggcctt 1200
cctgcgcgag aacctgcggg cgctgcacat caagttcacc gacatcaagg agatcccgct 1260
gtggatctat agcctgaaga cactggagga gctgcacctg acgggcaacc tgagcgcgga 1320
gaacaaccgc tacatcgtca tcgacgggct gcgggagctc aacacgcctca aggtgctgcg 1380
gctcaagagc aacctaagca agctgccaca ggtggtcaca gatgtgggcg tgcacctgca 1440
gaagctgtcc atcaacaatg agggcaccaa gctcatcgtc ctcaacagcc tcaagaagat 1500
ggcgaacctg actgagctgg agctgatccg ctgtgacctg gagcgcatcc cccactccat 1560
cttcagcctc cacaacctgc aggagattga cctcaaggac aacaacctca agaccatcga 1620
ggagatcatc agcttccagc acctgcaccg cctcacctgc cttaagctgt ggtacaacca 1680
catcgcctac atccccatcc agatcggcaa cctcaccaac ctggagcgcc tctacctgaa 1740
ccgcaacaag atcgagaaga tccccaccca gctcttctac tgccgcaagc tgcgctacct 1800
ggacctcagc cacaacaacc tgaccttcct ccctgccgac atcggcctcc tgcagaacct 1860
ccagaaccta gccatcacgg ccaaccggat cgagacgctc cctccggagc tcttccagtg 1920
ccggaagctg cgggccctgc acctgggcaa caacgtgctg cagtcactgc cctccagggt 1980
gggcgagctg accaacctga cgcagatcga gctgcggggc aaccggctgg agtgcctgcc 2040
tgtggagctg ggcgagtgcc cactgctcaa gcgcagcnnc ttggtggtgg aggaggacct 2100
gttcaacaca ctgccacccg aggtgaagga gcggctgtgg agggctgaca aggagcaggc 2160
ctgagcgagg ccggcccagc acagcaagca gcaggaccgc tgcccagtcc tcaggcccgg 2220

agggcaggcc tagcttctcc cagaactccc ggacagccag gacagcctcg tggctgggca 2280
ggagcctggg gccgcttgtg agtcaggcca gagcgagagg acagtatctg tggggctggc 2340
ccctttttctc cctctgagac tcacgtcccc cagggcaagt gcttgtggag gagagcaagt 2400
ctcaagagcg cagtatttgg ataatcaggg tctcctccct ggaggccagc tctgccccag 2460
gggctgagct gccaccagag gtcctgggac cctcacttta gttcttggta tttatttttc 2520
tccatctccc acctccttca tccagataac ttatacattc ccaagaaagt tcagcccaga 2580
tggaaggtgt tcagggaaag gtgggctgcc ttttcccctt gtccttattt agcgatgccg 2640
ccgggcattt aacacccacc tggacttcag cagagtggtc cggggcgaac cagccatggg 2700
acggtcaccc agcagtgccg ggctgggctc tgcggtgcgg tccacgggag agcaggcctc 2760
cagctggaaa ggccaggcct ggagcttgcc tcttcagtat ttgtggcagt tttagttttt 2820
tgtttttttt tttttaatca aaaaacaatt tttttaaaaa aaaaagcttt gaaaatggat 2880
ggtttgggta ttaaaaagaa aaaaaaaact taaaaaaaaa aagacactaa cggccagtga 2940
gttggagtct cagggcaggg tggcagtttc ccttgagcaa agcagccaga cgttgaactg 3000
tgtttccttt ccctgggcgc agggtgcagg gtgtcttccg gatctggtgt gaccttggtc 3060
caggagttct atttgttcct ggggagggag gttttttttgt ttgttttttg ggtttttttg 3120
gtgtcttgtt ttctttctcc tccatgtgtc ttggcaggca ctcatttctg tggctgtcgg 3180
ccagagggaa tgttctggag ctgccaagga gggaggagac tcgggttggc taatccccgg 3240
atgaacggtg ctccattcgc acctcccctc ctcgtgcctg ccctgcctct ccacgcacag 3300
tgttaaggag ccaagaggag ccacttcgcc cagactttgt ttccccaccg cctgcggcat 3360
gggtgtgtcc agtgccaccg ctggcctccg ctgcttccat cagccytgtc gccacctggt 3420
ccttcatgaa gagcagacac ttagaggctg gtcgggaatg gggaggtcgc ccctgggagg 3480
gcaggcgttg gttccaagcc ggttcccgtc cctggcgcct ggagtgcaca cagcccagtc 3540
ggcacctggt ggctggaagc caccctgctt tagatcactc gggtccccac cttagaaggg 3600
tccccgcctt agatcaatca cgtggacact aaggcacgtt ttagagtctc ttgtcttaat 3660
gattatgtcc atccgtctgt ccgtccattt gtgttttctg cgtcgtgtca ttggatataa 3720
tcctcagaaa taatgcacac tagcctctga caaccatgaa gcaaaaatcc gttacatgtg 3780
ggtctgaact tgtagactcg gtcacagtat caaataaaat ctataacaga aaaaaaaaaa 3840
aaagggngcc gtctaaagat caacttctnc cttgatca 3878

<210> 1901
<211> 175
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<400> 1901
gtgagtggtg actatgggca tcctgtgtat atcgtgcagg atgggccccc ccagagccct 60
ccaaacatct actacaaggt atgagggctc ctctnacgtg gctatcctga atccagccct 120
tcttggggtg ctcctccagt ttaaattcct ggtttraggg acamctstaa catct 175

<210> 1902
<211> 1807
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1184)
<223> n equals a,t,g, or c

<400> 1902
tggccgccgc cgccgcttca gtggccggng tggcaaggac ccggacctca gggaggcctc 60
cgcacgaagt cggaccgtcc tgcgcgccgc ctaagtccag gcttgcccgt ctgctgccag 120
gcaacaacgc ccctagtctc tccgttcggg aagacgcgtg gccctgcctg ccacccaccg 180
gaagtgaggg caaatggcaa cagcggctct ggaattctat acaggcattg ctgaggacac 240
ctaagatgac gcaatctccg cgcgggtagg gcggggctcc gcaaggacct catgccttag 300
agatcgcctg aagagcggaa gccttctgtc gagaagcagc tacccaagct ccaggagctt 360
ccgaagaaac aggaccagag agggaaggtg acctgaaagt cacagaataa ttttttagag 420
ctgaacaaga atccaagcct gcaactgcag agacgagaga tctttctgct gtctatactc 480
ttggaaagca catcctaaga tctttgcaga ttatcctgtg gaaggaaaat gcctaaagtc 540
aaaagaagcc ggaaagcacc cccagatggc tgggagttga ttgagccaac actggatgaa 600
ttagatcaaa agatgagaga agctgaaaca gaaccgcatg agggaaagag gaaagtggaa 660
tctctgtggc ccatcttcag gatccaccac cagaaaaccc gctacatctt cgacctcttt 720
tacaagcgga aagccatcag cagagaactc tatgaatatt gtattaaaga aggctatgca 780
gacaaaaacc tgattgcaaa atggaaaaag caaggatatg agaacttgtg ctgcctgcgg 840
tgcattcaga cacgggacac caacttcggg acgaactgca tctgccgcgt gcccaaaagc 900
aagctggaag tgggccgcat catcgagtgc acacactgtg gctgtcgtgg ctgctctggc 960
tgaggstggc gcgctccacc ctggactctg gacttcgcag gttcctgcct gtcacgccac 1020
ccccttcctg ggagcagcga gcagtgcccc aggcccgagt tggagcacgg tctctatggg 1080
gaagcktcgc tgtctatcag ctgtgatttg taaaaataaa atctttaaat ctctcgagcc 1140
ccacgtctct tctttcagag catcggccta tggaaccggc gggncggccc aggccccagg 1200
gaccagatgc cccagccccc ttgtggtgtg tgaggtgaca cacaaaggta gctggagctg 1260
gaagtcccgt gaaggtgaca cgcaaaggtg gctggagctg cacttggacc tgctgggagc 1320
acaggcacct tgggcctagt gtgtgtcctc accaacacct gtgacacgct gcggctgttc 1380
ctcagggcct ggctcttccc ccaggcagga ggtgacacca gctcacttgt cctggggctc 1440
ccacagagca ctgggggccg agcacattgt tccagctgtg ctcccatcac ctgcccccaa 1500
gggcacatcc gtcatcagcc tccttgccgg tgtcctggtc cccctggggc ttggtccgga 1560
acttctgcca ggggtgcggg gtttcctctg cgggcatcac tgtcagccac tgcttgtaat 1620
aggctcggaa gccgtcaatc ttctccaggt aggtgttctt cccttggtac cggtcaaagg 1680
tgggagggta ctgggctgca aactccagct ggcggatgac cacttcgttc accgggaccc 1740
tgttctgctt catgtccttc aagatgctga tgagataggt gtagttcagc ttcctgatgg 1800
ccgcgtc 1807

<210> 1903
<211> 2810
<212> DNA
<213> Homo sapiens

<400> 1903
ttttttttt ttttttttt ttttttttg gtttcatggt ctgatttatt ggtggtgaat 60
acacaggggc aggcccagga caagcagctt ggctactccc cctctgctgg ctgcccgacc 120
ggcagagggg gctccatgtg gcaggagcta ggctcccaac gcccactgtt cttgccaccc 180
tctgggctcc caggctgggc tccgctaggc tcctgtctcc cctgccagtt agttaggcaa 240

gttcaggtgt ggaggccgca gggatagatc caggtggctc tgggctgggc cctcttctct 300
tcccagcggg gaggtgctgt tggcctggct gggctggcct gaatctgttt caagttctcc 360
cttcctgccc agctcagttc accagtgctg gatccaggtt caaatgacag ggacttgggt 420
ttttacaaca gcgtggcaag tggtctgtct cctgggcagc catatcccag acccactggg 480
ttgaaggttc tgtggggtgg agggacccca aggtgttcca agccagtggc tgcactggca 540
gcaggcctct gagagggagg cgggaagggt aggcgcggag agcaggctcc attctgggtc 600
gagtggagga ctggctccca gggtgagttc acaccagtgc tcccagctgg cggctgctca 660
gtctctcctg ctgggcgagc gcgggggccc ggggctatgc catgctgctg gtggagcagg 720
gggtgctctg ggtgctcccg atgctgtggt tggtgctgct gctctccgag gaggccgggg 780
cagccaccgc caccacgggc tcccgcttgc tgggggaacg cgtgtgcgag tagatgtacc 840
agagtgcagc agtgagcagg gccccgatga ggaaggcacc aaaggtgatg cccagcacgg 900
cgggcaggac gaggcctttg cttgtgcaac cagacaggtc agggctgatg atgttcaagc 960
gcatgaagac agtcctatgg acttcctggt cttgagaccc ggtcttggga cgcagggcta 1020
ccgtgcagct gagggtgccg gttttgggta tgggtactgt gtagaagtgg aggaggaagc 1080
tgaagcgcgg gtcaccctcg gggcttgggg acagcaggct cacacagttg cccttggccg 1140
cccggccctg gatgagttcc acggtgcctc cctcaggccc caagtccagg tggcagctgt 1200
ctaactggag caggaactcg gagacggatg gggacactct gacctgcaca aagctctgct 1260
ctgccgcckg ccaccgctgc ccgagcccga cgctatgtcc agcaaaggct ccgtggttct 1320
ggcctacagt ggcggcctgg acacctcgtg catcctcgtg tggctgaagg aacaaggcta 1380
tgacgtcatt gcctatctgg ccaacattgg ccagaaggaa gacttcgagg aagccaggaa 1440
gaaggcactg aagcttgggg ccaaaaaggt gttcattgag gatgtcagca gggagtttgt 1500
ggaggagttc atctggccgg ccatccagtc cagcgcactg tatgaggacc gctacctcct 1560
gggcacctct cttgccaggc cctgcatcgc ccgcaaacaa gtggaaatcg cccagcggga 1620
gggggccaag tatgtgtccc acggcgccac aggaaagggg aacgatcagg tccggtttga 1680
gctcagctgc tactcactgg ccccccagat aaaggtcatt gctccctgga ggatgcctga 1740
attctacaac cggttcaagg gccgcaatga cctgatggag tacgcaaagc aacacgggat 1800
tcccatcccg gtcactccca agaacccgtg gagcatggat gagaacctca tgcacatcag 1860
ctacgaggct ggaatcctgg agaaccccaa gaaccaagcg cctccaggtc tctacacgaa 1920
gacccaggac ccagccaaag cccccaacac ccctgacatt ctcgagatcg agttcaaaaa 1980
aggggtccct gtgaaggtga ccaacgtcaa ggatggcacc acccaccaga cctccttgga 2040
gctcttcatg tacctgaacg aagtcgcggg caagcatggc gtgggccgta ttgacatcgt 2100
ggagaaccgc ttcattggaa tgaagtcccg aggtatctac gagaccccag caggcaccat 2160
cctttaccat gctcatttag acatcgaggc cttcaccatg gaccgggaag tgcgcaaaat 2220
caaacaaggc ctgggcttga aatttgctga gctggtgtat accggtttct ggcacagccc 2280
tgagtgtgaa tttgtccgcc actgcatcgc caagtcccag gagcgagtgg aagggaaagt 2340
gcaggtgtcc gtcctcaagg gccaggtgta catcctcggc cgggagtccc cactgtctct 2400
ctacaatgag gagctggtga gcatgaacgt gcagggtgat tatgagccaa ctgatgccac 2460
cgggttcatc aacatcaatt ccctcaggct gaaggaatat catcgtctcc agagcaaggt 2520
cactgccaaa tagacccgtg tacaatgagg agctggggcc tcctcaattt gcagatcccc 2580
caagtacagg cgctaattgt tgtgataatt tgtaattgtg acttgttctc cccggctggc 2640
agcgtagtgg ggctgccagg ccccagcttt gttccctggt ccccctgaag cctgcaaacg 2700
ttgtcatcga agggaagggt ggggggcagc tgcggtgggg agctataaaa atgacaatta 2760
aaagagacac tagtctttta tttctaaaaa aaaaaaaaag gaaaagagat 2810

<210> 1904
<211> 4039
<212> DNA
<213> Homo sapiens

<400> 1904
aattcggaac gagggtgaag cacaaggatt aagttggaaa agctgtaaat tgcatgtgca 60

tatttgtcta ttttttctat aagttttatt gcaagaggta aagaagaaaa ctatatatat 120
atatcttatt tagataatct cagtaccttt tctggcattt ttgccctgta taggttgact 180
tggcaattcg gcctttttag aggcattaac tactcctcgt aagtgttgca tttacatggc 240
tgtttagaaa actgctgccc aaatttattt tatatttttg tacagattct gcagtttatg 300
atattgtttt ctaaaaacaa atgctgttta tacatatgag atagctattt tgataggatt 360
tgctcacata gttcctgcaa acttcagatg tacaagttgc acttgtactt ttatagagtt 420
gtaatgtttt atatgtgtat ggtgcaagag aaaattggat caaatcaatc tgcagttgat 480
gtccccaaat gcaaacacag gcacacacat gcacacaccc ataaacacac acacagtgct 540
ttaagaaagg gccaggtgat atcacaccca aatttcacaa gcactgaccc cctggcacca 600
acacccgcca gtactgtgac ttccaaagcc agagccacat gtgctcatca aacttgcatt 660
aagcagttgg cgggagatgg ctgtggagct gggggtttaa gtgatggttc tcttttgctc 720
cctcttytga gggtaaagct actgtctttc ttaagagtgt atttatgcca agtttgcgct 780
tttaattgtt tttattttgt tttttaatga aaacccagat ctttcctttt tggcataatt 840
tttatgatga cctgaaattt tacatccgaa caaaatttta catccgaaaa gcaaccaact 900
tcttcatgga actcagccct gttgcaatgc ttagggccct taaagaagaa aatctcccca 960
kaaggcatcc atcatgttgc ttaattgtct tctgcagctt cctttcccta gagctttccc 1020
tgtgttgcta agagctgaaa atggcatctt cgtgatcacc acagtgagct tggctcgcct 1080
cggccggccc gggatgcact cttacaacat gtgtgactct tgaacctgga gttcatcaca 1140
ttacgtcaca gcttcccatc tggttgcttt cctgagtcag ctacttcaca cttgtcaagg 1200
ctgttttacc ccaaaactca gacaggactt tctatgcatg ttttccctcc tccccccaat 1260
tcccccccca tcaccttatc tcccaggaca cacttgagaa gtagcttttt attcctagtg 1320
gtgtacattt aattttaaaa aggttgcaat gtatcatgct tgttgccgaa actgtttatg 1380
gccttcttgt ttcagttttt tcttttcttc caatggtact ttagctgttg agtgcaggtt 1440
acaacctata ttgttatgca gatggcttct ttaggaataa cttttatatt tatttaaaaa 1500
tttttaaatt atgggatgtt ttgttgttgt tgttgtcttt gttgttggtc atttgtcaat 1560
attcagtcac caattctgct cacttcttgc catggataaa attgggtctt tctggctaat 1620
taaaaaagac aactttataa aatggcactt taagcaagcc atagttagtt ttatttttgt 1680
aatgcacatg gcaaagcaaa gacgtttgtg atgaaggaac tgctcatcta agcaaaagat 1740
ttgagtatga tatgataaag gctttctaca ttctaattta ctttttcccc ccacttgaat 1800
gtgttttaaa ggctaattat cagctcagta gagcagtgag aaactgatca aattgcactt 1860
gttctcctac aagcaacctc cacgcagaca cctcgtactg ctacaggtgt gtcatttcct 1920
ttaataggac cagggaccat gtaactgagg tgagggttgt agtaratgct tccagtgtca 1980
gtatgcctgt taattttaag agcttccctt tcttgcagag aacaagtctg cccagattcc 2040
atgctttcta taactggagg acctggcaaa cctgccgcat gctgcacaca tctacctacg 2100
tacacatata caatagtatt gatgattctg aacaataaca gggtaaaaca gttggtttgc 2160
cattgttaaa aactgattta cagtaactta caacaactgt acttttgttg gattagcaaa 2220
tcatgtgttt aaacaaatcc catatgttgg gcaacagttc aaataagcac ggagaagtgt 2280
tgcccaaact tggttctctg actcttatgt atttgtaagg ctgggcttca aaatcaaaac 2340
aaaaacccca aaaacagcag gcaaatgctt tttaactctg acaccgttgc cataaatccc 2400
tgatactcaa agtctaacaa gaaagacatg gaaaattagc agcccatttt cagaaagatc 2460
aaaatgatct agggttctaa ttgcttttgc atcctattct tacaaagtga tgtcccaaca 2520
gggaacagta ggagctggag tgggatctcc aagtcccagt ttgagtgtgg gatgtgcttc 2580
cagcagtgcc ttccctttat gaaagacatc acatggcatc cagggccagg caggcagctt 2640
gaggtgcctt tacgagaaaa ccgagctggg gctgggagag gacagttatt gacactgatg 2700
tgcaatgaag tgacaagatg agagcagaat cgtaagagct ttgaatttga agtgagtttt 2760
ttccccccat aagttattta ttccttttct ctgtgtaaat atatttattt tactgtggag 2820
cgctaacatc tggatcgtaa catgtgcaga atgtatggta ggaatgtatt ctcttgtagg 2880
aatgtaaatc tgtattaaaa gggggtccaa gccaggcccc caggtcttct cattgtatgc 2940
acagtccgca ttcattttta ctcttctcta atatgggtct atttgaaata tgcaaaaggt 3000
atgaggaatg ttttaatacc tccaaatttt taagaaaagc atcaaagggt tgatattttt 3060
taaagttttt ttagtagcac tttctctgga tgacagaagg ggcaaccaca tgggcaccct 3120

tgttcatacc aaagggtgag cagtggccag agcctcctct gcacctctcg agtgtcttta 3180
ccaattgagc tttttatcgc catagcccct tggagtgccc cagctgccct gaggtcaatc 3240
aaggaaaatt tcttaatgaa ataagctcca aagagccaaa gtatcaactt acagatcgtt 3300
tttaaagctt aaatttatga accacctttg tggtaaacaa tgaattatga ataccgcagg 3360
gcagccttct taaatgacaa atgtaaaaaa aaaaaaaaaa aaactctact tcgtgcagca 3420
attgctactc tatacgaatt gtcttaattt gaaaaccttg ctgttacaaa ttggaccttt 3480
atacattttc tgaaaacaat gaaaagagta tatttaacct tttctggctg taaatggtta 3540
ccttcctgta actgccccgc acctggaggc atggagttgt gtgcatcctg cttatgtaca 3600
attgttttca gtgtttctaa gaatgagtct gaatggttct tgaaaattag ccaggatcaa 3660
atgctattgc agacaaagcc aataaaaagt tggacttctt ttggggataa caagttttgg 3720
aagagaaatg caggccatat gtgcgcatga ccgagatttt gaaaaaagat gtacatagtg 3780
acatgtttgg tgcatggttt ttgaggaggg cttttgtcaa aaaggaggta taacctttcc 3840
cccacagacc tgagagctgt gccttttcta tgcaatatta cagacgttac atcggaaccc 3900
agatggctgt attcacatgt aggtttgggc tgtaatctaa acaattggac agattaaatg 3960
tacatggaaa tgagcagtct tacttttgta gttttatatt atacaataaa cagttaaaag 4020
atgaaaaaaa aaaaaaaaa 4039

<210> 1905
<211> 3989
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<400> 1905
tcagttggaa gacttaaaga aagtcagtca gaattcacag cttgctaatg agaagctgtc 60
ccagttacaa aagcagctag aagaagccaa tgacttactt aggacagaat cggacacagc 120
tgtaagattg aggaagagtc acacagagat gagcaagtca attagtcagt tagagtccct 180
gaacagagag ttgcaagaga gaaatcgaat tttagagaat tctaagtcac aaacagacaa 240
agattattac cagctgcaag ctatattaga agctgaacga agagacagag gtcatgattc 300
tgagatgatt ggagaccttc aagctcgaat tacatcttta caagaggagg tgaagcatct 360
caaacataat ctcgaaaaag tggaaggaga aagaaaagag gctcaagaca tgcttaatca 420
ctcagaaaag gaaaagaata atttagagat agatttaaac tacaaactta aatcattaca 480
acaacggtta gaacaagagg taaatgaaca caaagtaacc aaagctcgtt taactgacaa 540
acatcaatct attgaagagg caaagtctgt ggcaatgtgt gagatggaaa aaaagctgaa 600
agaagaaaga gaagctcgag agaagcntga aaatcgggtt gttcagattg agaaacagtg 660
ttccmtgcya gacgttgatc tgaagcaatc tcagcagaaa ctagaacatt tgactggaaa 720
taaagaaagg atggaggatg aagttaagaa tctaaccctg caactggagc aggaatcaaa 780
taagcggctg ttgttacaaa atgaattgaa gactcaagca tttgaggcag acaatttaaa 840
aggtttagaa aagcagatga aacaggaaat aaatacttta ttggaagcaa agagattatt 900
agaatttgag ttagctcagc ttacgaaaca gtatagagga aatgawggac agatgcggga 960
gctacaagat cagcttgaag ctgagcaata tttctcgaca ctttataaaa cccaggtaaa 1020
ggaacttaaa gaagaaattg aagaaaaaac agagaaaatt taaagaaaat acaggaacta 1080
caaaatgaaa aagaaactct tgctactcag ttggatctag cagaaacaaa agctgagtct 1140
gagcagttgg cgcgaggcct tctggaagaa cagtattttg aattgacgca agaaagcaag 1200
aaagctgctt caagaaatag acaagagatt acagataaag atcacactgt tagtcggctt 1260
gaagaagcaa acagcatgct aaccaaagat attgaaatat taagaagaga gatgaagagc 1320
taacagagaa aatgaagaag gcagaggaag aatataaact ggagaaggag gaggagatca 1380

gtaatcttaa ggctgccttt gaaaagaata tcaacactga acgaaccctt aaaacacagg 1440
ctgttaacaa attggcagaa ataatgaatc gaaaagattt taaaattgat agaaagaaag 1500
ctaatacaca agatttgaga aagaaagaaa aggaaaatcg aaagctgcaa ctggaactca 1560
accaagaaag agagaaattc aaccagatgg tagtgaaaca tcagaaggaa ctgaatgaca 1620
tgcaagcgca attggtagaa gaatgtgcac ataggaatga gcttcagatg cagttggcca 1680
gcaaagagag tgatattgag caattgcgtg ctaaactttt ggacctctcg gattctacaa 1740
gtgttgctag ttttcctagt gctgatgaaa ctgatggtaa cctcccagag tcaagaattg 1800
aaggttggct ttcagtacca aatagaggaa atatcaaacg atatggctgg aagaaacagt 1860
atgttgtggt aagcagcaaa aaaattttgt tctataatga cgaacaagat aaggagcaat 1920
ccaatccatc tatggtattg gacatagata aactgtttca cgttagacct gtaacccaag 1980
gagatgtgta tagagctgaa actgaagaaa ttcctaaaat attccagata ctatatgcaa 2040
atgaaggtga atgtagaaaa gatgtagaga tggaaccagt acaacaagct gaaaaaacta 2100
atttccaaaa tcacaaaggc catgagttta ttcctacact ctaccacttt cctgccaatt 2160
gtgatgcctg tgccaaacct ctctggcatg tttttaagcc acccccctgcc ctagagtgtc 2220
raagaygcca tgttaagtgc cacagagatc acttagataa gaaagaggac ttaatttgtc 2280
catgtaaagt aagttatgat gtaacatcag caagagatat gctgctgtta gcatgttctc 2340
aggatgaaca aaaaaaatgg gtaactcatt tagtaaagaa aatccctaag aatccaccat 2400
ctggttttgt tcgtgcttcc cctygaacgc tttctacaag atccactgca aatcagtctt 2460
tccggaaagt ggtcaaaaat acatctggaa aaactagtta accatgtgac tgagtgccct 2520
gtggaatcgt gtgggatgct acctgataaa ccaggcttct ttaaccatgc agagcagaca 2580
ggctgtttct ttgacacaaa tatcacaggc ttcagggtta agattgctgt ttttctgtcc 2640
ttgctttggc acaacacact gagggttttt tttattgcgg gtttgcctac aggtagatta 2700
gattaattat tactatgtaa tgcaagtaca gttgggggaa agcttaggta gatatatttt 2760
ttttaaaagg tgctgccttt ttggatttat aagaaaatgc ctgtcagtcg tgatagaaca 2820
gagttttcct catatgagta agaggaaggg actttcactt tcaagtggaa cagccatcac 2880
tatcaagatc agctcatgga aggagtaaag aaaatatctc aaaatgagac aaactgaagt 2940
tttgtttttt ttttaatgac ttaagttttt gtgctcttgc aagactatac aaaactattt 3000
taagaaagca gtgatatcac ttgaacttca gtgccctcac tgtagaattt aaaagcctta 3060
ctgttgattg cccatgttgg acttgatgga gaaattaaat atctttcatt atgctttaca 3120
aaatactgta tatgtttcag caagtttggg gaatgggaga ggacaaaaaa aagttacatt 3180
taatctatgc atttttgcca agccatattg agttatttta ctactagaga cattaggaaa 3240
ctaactgtac aaaagaacca agtttaaaag cattttgtgg ggtacatcat ttctataatt 3300
gtataatgta tttctttgtg gttttaaatg ataaagacat taagttaaca aacatataag 3360
aaatgtatgc actgtttgaa atgtaaatta ttcttagaac actttcaatg ggggttgcat 3420
tgtccttta gtgccttaat ttgagataat tattttactg ccatgagtaa gtatagaaat 3480
ttcaaaaaat gtattttcaa aaaattatgt gtgtcagtga gtttttcatt gataattggt 3540
ttaatttaaa atatttagag gtttgttgga ctttcataaa ttgagtacaa tctttgcatc 3600
aaactacctg ctacaataat gactttataa aactgcaaaa aatgtagaag gttgcaccaa 3660
cataaaaagg aaatatggca atacatccat gatgttttcc agttaacata ggaattacca 3720
gataaatact gttaaactct tgtccagtaa caagagttga ttcatatgga cagtatgatt 3780
tattgtttat ttttttaacc aaatacctcc tcagtaattt ataatggctt tgcagtaatg 3840
tgtatcagat aagaagcact ggaaaaccga tcgtctctag gatgatatgc atgtttcaag 3900
tggtattgaa agccgcactg atggatatgt aataataaac atatctgtta ttaatataaa 3960
aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 3989

<210> 1906
<211> 2629
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<400> 1906
gacagtcacg gtccgattcc cgggtcgacc cacgngtccg gggtcctcca ggcccagttg 60
gtccttcagg taaagaagga aaccctgggc cacttgggcc aattggacct ccaggtgtac 120
gaggcagtgt aggagaagca ggacctgagg gccctcctgg tgagcctggc ccacctggcc 180
ctccgggtcc ccctggccac cttacagctg ctcttgggga tatcatgggg cactatgatg 240
aaagcatgcc agatccactt cctgagttta ctgaagatca ggcggctcct gatgacaaaa 300
acaaaacgga cccaggggtt catgctaccc tgaagtcact cagtagtcag attgaaacca 360
tgcgcagccc cgatggctcg aaaaagcacc cagcccgcac gtgtgatgac ctaaagcttt 420
gccattccgc aaagcagagt ggtgaatact ggattgatcc taaccaagga tctgttgaag 480
atgcaatcaa agtttactgc aacatggaaa caggagaaac atgtatttca gcaaacccat 540
ccagtgtacc acgtaaaacc tggtgggcca gtaaatctcc tgacaataaa cctgtttggt 600
atggtcttga tatgaacaga gggtctcagt tcgcttatgg agaccaccaa tcacctaata 660
cagccattac tcagatgact tttttgcgcc ttttatcaaa agaagcctcc cagaacatca 720
cttacatctg taaaaacagt gtaggataca tggacgatca agctaagaac ctcaaaaaag 780
ctgtggttct caaaggggca aatgacttag atatcaaagc agagggaaat attagattcc 840
ggtatatcgt tcttcaagac acttgctcta agcggaatgg aaatgtgggc aagactgtct 900
ttgaatatag aacacagaat gtggcacgct tgcccatcat agatcttgct cctgtggatg 960
ttggcggcac agaccaggaa ttcggcgttg aaattgggcc agtttgtttt gtgtaaagta 1020
agccaagaca catcgacaat gagcaccacc atcaatgacc accgccattc acaagaactt 1080
tgactgtttg aagttgatcc tgagactctt gaagtaatgg ctgatcctgc atcagcattg 1140
tatatatggt cttaagtgcc tggcctcctt atccttcaga atatttattt tacttacaat 1200
cctcaagttt taattgattt taaatatttt tcaatacaac agtttaggtt taagatgacc 1260
aatgacaatg accacctttg cagaaagtaa actgattgaa taaataaatc tccgttttct 1320
tcaatttatt tcagtgtaat gaaaaagttg cttagtattt atgaggaaat tcttcttcct 1380
ggcaggtagc ttaaagagtg gggtatatag agccacaaca catgtttatt ttgcttggct 1440
gcagttgaaa aatagaaatt agtgcccttt tgtgacctct cattccaaga ttgtcaatta 1500
aaaatgagtt taaaatgttt aacttgtgat cgagacctac atgcatgtct tgatattgtg 1560
taactataat agagactctt taaggagaat cttaaaaaaa aaaaaacgtt tctcactgtc 1620
ttaaatagaa tttttaaata gtatatattc agtggcattt tggagaacaa agtgaattta 1680
cttcgacttc ttaaattttt gtaaaagact ataagtttag acatctttct cattcaaatt 1740
taaagatatc tttctcctct tgatcaatct atcaatattg atagaagtca cactagtata 1800
taccatttaa tacatttaca ctttcttatt taagaagata ttgaatgcaa aataattgac 1860
atatagaact ttacaaacat atgtccaagg actctaaatt gagactcttc cacatgtaca 1920
atctcatcat cctgaagcct ataatgaaga aaaagatcta gaaactgagt tgtggagctg 1980
actctaatca aatgtgatga ttggaattag accatttggc ctttgaactt tcataggaaa 2040
aatgacccaa catttcttag catgagctac ctcatctcta gaagctggga tggacttact 2100
attcttgttt atattttaga tactgaaagg tgctatgctt ctgttattat tccaagactg 2160
gagataggca gggctaaaaa ggtattatta tttttccttt aatgatggtg ctaaaattct 2220
tcctataaaa ttccttaaaa ataaagatgg tttaatcact accattgtga aaacataact 2280
gttagacttc ccgtttctga aagaaagagc atcgttccaa tgcttgttca ctgttcctct 2340
gtcatactgt atctggaatg ctttgtaata cttgcatgct tcttagacca gaacatgtag 2400
gtccccttgt gtctcaatac ttttttttttc ttaattgcat ttgttggctc tattttaatt 2460
tttttctttt aaaataaaca gctgggacca tcccaaaaga caagccatgc atacaacttt 2520
ggtcatgtat ctctgcaaag catcaaatta aatgcacgct tttgtcatgt caaaaaaaaa 2580
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaac 2629

<210> 1907

<211> 1551
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (676)
<223> n equals a,t,g, or c

<400> 1907
gctccactgc ttctactctg ggttgggatt caggaagaca ggcaggagtcc tctctgttca 60
tagaaacacc tgccagtgtc aaggattcca gtcaggtgtc tatcccaact ggtcagggag 120
agaagggcag acccattctc aaagaccacc atgtccaagg tctgacagct ccccactggc 180
tgcccccaca ggggctttag gctggtctgg gtcatgggga agcgtccctc ttatcgctgg 240
tctgtgttct cctggatttg gkatctatgt tggtacgact cctggccttt tatctaaagg 300
actttggctt ttgtaaatca caagccaata atagactttt ttctcccccc ctgtttttg 360
ctgtgtcatc tctgccttga gactgccttg agacagtgct tgccttgaga gagtgagcca 420
attaacagct gcctgaattg tcattttcca ttttggtttg ttagaggtgg gaggggtggg 480
ttttgagaag gtcaaaagca ataccagaag taaagggaaa tatcagacaa tattttatta 540
ttttttcata gatgttctgc cacacaaaga acttggggtg taaggataag gcaaaagctc 600
caatcccatt tttcagttct cctaggatgc acccctcagg gagcctggcc agagttccga 660
ggcccgtgag cgtcantgtt tgctttattt tccatcaaag ccctctgaga agtgagacct 720
cagcaattcc gggagccaca tagagacaga cttggcaagg gacccctgg ttctgagcca 780
gtagctgcca tctggaaatt cctcttttag cctctcctta gaggtgaatg tgaatgaagc 840
ctcccaggca cccgctgaat ttctgaggcc ttgcttaaag ctcagaagtg gtttaggcat 900
ttggaaaatc tggttcacat cataaagaac ttgatttgaa atgttttcta tagaaacaag 960
tgctaagtgt accgtattat acttgatgtt ggtcatttct cagtcctatt tctcagttct 1020
attattttag aacctagtca gttctttaag attataactg gtcctacatt aaaatgatgc 1080
ttctcgatgt cagattttac ctgtttgctg ctgagaacat ctctgcctaa tttaccaaag 1140
ccagaccttc agttcaacat gcttccttag cttttcatag ttgtctgaca tttccatgaa 1200
aacaaaggaa ccaactttgt tttaaccaaa ctttgtttgg ttacagtttt caggggagcg 1260
tttcttccat gacacacagc aacatcccaa agaaataaac aagtgtgaca aaaaaaaaaa 1320
caaacctaaa tgctactgtt ccaaagagca acttgatggt tttttttaat actgagtgca 1380
aaaggtcacc caaattccta tgatgaaatt ttaaattaat gggcaccttt caacatcatt 1440
tgcttcctta tctacagttg attcagaaat ctgcattttt tattctttta tatgactttt 1500
aagtaaaaga tttatatgga wttaaaaaaa aaaaaaaaaa aaaataacgt t 1551

<210> 1908
<211> 468
<212> DNA
<213> Homo sapiens

<400> 1908
ggcaaaactg ggggagattg ttttgctgga ggccctgggt ctgggagaag gggggctgat 60
tcctctgaaa ttgctagaag agacacaggt gaggcctaac ttgggctttc cgctaccgtc 120
ctgcaggcat tattgtcatg gcactgctgg gcatgttcaa tgtgcaccgt catggggcca 180
ttaactcagc agccatcttg ttgtatgccc tgacctgctg catctctggc tacgtgtcca 240
gccacttcta ccggcagatt ggaggcgagc gttgggtgtg ggaacatcat tctcaccacc 300
agtctcttct ctggtgagga ctttcctttc cctggtgggc ctttctggat taggaatgaa 360
gaacacattg tgggctgggt cacagtgggt tcacamctgt kaatcctagc acttggggag 420
accgaggscc gaggwttcaa tttgaggccc aaaagttttg aggacaag 468

<210> 1909
<211> 1799
<212> DNA
<213> Homo sapiens

<400> 1909
ggcacgagga ttacacgtct gagccaccat gcccagccca gaaaaaaatt tctatcatct 60
tttgctacca tttttgctgg cactactaaa agcattaaaa tgtgacagca gttccattgc 120
ctccacatct atgtacaatt tctaatacca tttttgctct ggtgctgatg gtttcctgat 180
atcaggtagg gtggagtaca gggatgcttc taccaggagt gtgattatac agccactgcc 240
tttatttctg gctttgcctt tgtgatatgg tctatcagat gattgataaa atctatctag 300
agtaaggata taagacaaaa taaagatact gtaattaagg ggaaagggag gctagaggac 360
atggctcagt atccccaagt cttttattta ggatatgggt tcagctactt ctgacttgac 420
ttaaacagtg acaaaataac aatggcttaa acaagatagt ttatttctct tcatgtaaaa 480
atttgaatga caatttagtg aaggtgacaa gggcccacgc ttctgctaag gtccaggcat 540
tcctagagtg gtatatgata gatcatatgg tataagctag atcacttcca tagccacaga 600
gtatccagtt attaatacaa acaaatgaga agaggaaggg gagagcaagt ctttctttgt 660
ttttagagca caatccagaa gttgaattcc tatcttagtc acattaaatt ggctagagta 720
tcgttacgta gtcagaccta gagttgcaaa ggagactgaa aaaatgcagt ttaatctgaa 780
cagccatgtg tccaggtaaa aattctgtta ttagggaaga aagagagaat gaatattggg 840
aaacactttc aagactccca caccaaagta ctacctaaat attttattct tcctatgttt 900
gtgtgaggta ttgaggtttt ayaaatgtgc acataatttt gcaattgtat ttttatttat 960
attacacagt aagaaaaaca gaatgttcta tatttatagt cttcctgtta caaatatgcg 1020
attagagctt aaagagtcat agtatcagaa ttagaatgtt aatattccca ctcaatatac 1080
tgaggtctca ttttcattat ggtgggttta ctaactgccc catatacttc gcagggctgc 1140
tttgaagcta aaatgagatc attcatatgg gatcacatta agctgctaga aattagaaaa 1200
tgtacatgag atagtataaa ttttacagtc actaatttaa gtttcttttc attagacgct 1260
gttggaagct ctgactgtgg cagttgttgt tactttctat gatgtatata ttattctgca 1320
agctttcata ctgactacta cagtattttt tggtttgact gtgtatactc tacaatctaa 1380
gaaggatttc agcaaatttg gagcagggct gtttgctctt ttgtggatat tgtgcctgtc 1440
aggattcttg aagttttttt tttatagtga gataatggag ttggtcttag ccgctgcagg 1500
agcccttctt ttctgtggat tcatcatcta tgacacacac tcactgatgc ataaactgtc 1560
acctgaagag tacgtattag ctgccatcag cctctacttg gatatcatca atctattcct 1620
gcacctgtta cggtttctgg aagcagttaa taaaaagtaa ttaaaagtat ctcagctcaa 1680
ctgaagaaca acaaaaaaaa tttaatgaga aaaaaggatt aaagtaattg gaagcagtat 1740
atagaaactg tttcattaag taataaagtt tgaaacaatg gaaaaaaaaa aaaaaaaaa 1799

<210> 1910
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1264)
<223> n equals a,t,g, or c

<400> 1910
cggattatgc ngamacnccc cagggnttrt gctatgacgt cgcatgcacg cgtaagcttg 60
ggcccctcga gggatcctct agagcggccg ccgcggcatt cggggaatct gcagggcaga 120
tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaag 180
tcccaaggag agtcatccac tttgttagtg gtgaaacaat ggaagaatat agcacagatg 240
aagacgaagt tgatggcctg gagaagaaag atgttttgcc tactgttgat ccgacaaaac 300
ttacctgggg tccctactta tggttttaca tgcttcgggc tgctacatca actctctcag 360
tgtgtgactt ccttggagag aagattgcat ctgttttggg tatcagcacc ccaaagtacc 420
aatatgccat tgatgaatat tatcggatga agaaggagga agaagaagaa gaagaagaaa 480
acaggatgtc tgaagaagca gaaaaacaat atcaacagaa taaattgcag actgattcca 540
ttgttcagac agatcaacca gagacagtga tatccagctc atttgtgaat gtcaattttg 600
aaatggaggg agacagtgaa gtaattatgg aaagcaagca aaatccagtc tctgtcccac 660
cataaaatga aatgactatc aagcttcaaa ctcttaagtt ttttttttt aatacaaaaa 720
ctttcacatt ctttattcag tgggacttaa tacaattatt tatattttaa attattaaag 780
tatctggaaa gggaaaatgt tttcttcatt tttaggatct atctagcaaa agccagatct 840
gaaattcaga tatttgtact gtttttactg tgtatagaaa ttagtgcttt ggttttaaaa 900
tgatctttta aaaaagttaa ggacatccta gagccttaat agttaagaag agttaaatta 960
tcaagcctat ttgtgcattt gctttttttg aaaaaggtaa gttgctgatt aagtctaatt 1020
ggaattgata attccatagt cttagattaa aatgaggata ttttctccta gattttctca 1080
tgttatgcca tgcatttata tatctaacca ttaatttcac actaaggatg cttcaccata 1140
taataaaagg agcaagatgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaaggggcg gacgcgtggg tccgacccgg gaattcccgg atcngtcact gncgggctga 1260
cttntct 1267

<210> 1911
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<400> 1911
tggcggggag cgcaagcggc ggcggccact gccacgtatt cccggcagtg gtggcggcgg 60
cggcggcggc gcccgcgggc aggaataact caagtcacct gtactggaaa tcagtttgct 120
gaaattaatc aacgattctt gaagttgaag aaaagttgtt ctctctacag gaggttccag 180
ccttgsaaga ggagtgtggc ccttcctgga atccctctgg acacaccctc ctagcatcct 240
ctaggaaaga tgcggcakcs aaagggaagc ccaagaagga gacctccaag gacaagaagg 300
agcggaagca agccatgcag gaggcccggc agcagatcac tacagtggtr ctgcccacrc 360
tggccgtggt cgtgctcttg atcgtggtgt ttgtgtacgt ggccacgcgc cccaccatca 420
ccgagtgagc cccgcatncg gtcgcggacc ccatcggcag ggagaggaat gctcgggagg 480
gggacgcaaa caaaaaatgg cttttatatt cagagatgtt catgttgctg aactgttaag 540
cangaancac nctg 554

<210> 1912
<211> 1718
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<400> 1912
tggantggga ngtagtgcgg tccatcagtt ntggccttcc agccagatgt tgtcattaca 60
gcagtaacct gaagctttca ccgtagacgt gctgtattgc ccagaagcca tcrtgtcsct 120
ggtcggsgtc ctgcggaggc tggctgcctg ctgggagcac cagcgggctc ctgaggtcta 180
crtggccttt acygtccgca acccagagac gtgccagstg ttcaccaccg agctaggcyg 240
ggctgggatc agatgggaag cggaagctca tcatgaccag aaactgtttc cctayggaga 300
gcacttggag atggcaatgc tgaacctcac actgtaggac tcacacacga ctccaacggg 360
attgtgagaa tcaagtcact ctcatgggaa gaattttttat atgggaaagc ggataaaact 420
ttcattggac tggaatgttt ggagaatgtt aawttccaaa tcaggaacca caaactgccc 480
tctaataaga catcggctat ctaagcgtgt gggtgccccc tttctgccag cagttctggt 540
tcttaagaaa atcaccataa atcagacatg aaaattctgg ctccaaaaay agcattttct 600
ttgtgcaaat aaaaacgtgt gtatcaagta tgatgttccc ccaacgtgga cacactcagt 660
tcctcacaaa gccaagccca ctgcagctgc cacatccctg ggcttacggt gcagcaggtg 720
ctttttttcaa gacaggaatc aaaatgttag gaacacggca gaaaggggac acctggagac 780
caaacgcagg atgaggagtt ctgcagaggt cacagggaag tcacagaaca gtaatacgct 840
agcaggggca tggggcgtga agaacagaag aagagaggaa gcgtttccaa gcctccagag 900
aagaaatcaa ggccaaccaa agcttcccgg gtcacagaac caattctttt accaggcagt 960
accactgctg tcatttcagc ttctggccac tgggaggtgc tgctcgaaag ggtttgccct 1020
gagactccaa gaagaagctg cgggaaggac agcaggggtc ctggggtttt agcctctggc 1080
ccaggagtta tgtgtccata accaaakgga gcacastctg cacccakctc tcatcccatc 1140
ggagctgctg cgaytcccgc aggttcttcc ggaactggtt tagcttgccc gcaggatcag 1200
gaaagtttga gaaaagcatc tgcaaaaaaa taaagagcag agcttamctc attkcctgtc 1260
cccaccccat cccaggtcac cacctggctg accccaggtc cccgacccaa caacaaaccc 1320
tcccaagttc ctaactcyct cacttggact cgagactctt cacgccccag cagcgctccg 1380
cctccaactt gacatcaygc tttctggaaa cttccccgta tgtcccactt tcccacactt 1440
ggtgccctgg aacactcccg gcctctaacg tgctgtatrt tcccctgcga amacctcctc 1500
ttggsctctg gccaagtccc acccatctgt gggtaacaag ggggtgtsgg tgttcttttc 1560
agccttgcta aactstctga atcaaggatc acaaactaca cctgcaggcc aaatccagcc 1620
cacagcctgt gtttgtaaat aaagctttat tggaasaaag ccaaaaaaaa aaaaaaaaag 1680
gggggcgctc taaaagatcc tccaaggggc aagcttta 1718

<210> 1913
<211> 1975
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<400> 1913
actctctnca ggttgaaaag cctctttatc catttaatcc tctctggccc tccttcccct 60
mcwgcgtgga tgcaactaga gagacaaatc gcctaggaag actgatcaat cacagcaaat 120
gtgggaactg ccaaaccaaa ctgcacgaca tcgacggcgt acctcacctc atcctcatcg 180
cctcccgaga catcgcggct ggggaggagc tcctgtatga ctatggggac cgcagcaagg 240
cttccattga agcccacccg tggctgaagc attaaccggt gggccccgtg ccctccccgc 300
cccactttcc cttcttcaaa ggacaaagtg ccctcaaagg gaattgaatt ttttttttac 360
acacttaatc ttagcggatt acttcagatg tttttaaaaa gtatattaag atgccttttc 420
actgtagtat ttaaatatct gttacaggtt tccaaggtgg acttgaacag atggccttat 480

attaccaaaa cttttatatt ctagttgttt ttgtactttt tttgcataca agccgaacgt 540
ttgtgcttcc cgtgcatgca gtcaaagact cagcacaggt tttagaggaa atagtcaaac 600
atgaactagg aagccaggtg agtctccttt ctccagtgga agagccggga ccttcccct 660
gcacccccga catccaggga cggggtgtga ggaagacgct gcctcccaat ggcctggacg 720
ggatgtttcc aagctcttgt tcccctaacg tctcaacagg cgctcactga agtgtatgaa 780
tatttttaa aaaggttttt gcagtaagct agtcttcccc tctgctttct cgaaagctta 840
ctgagccctg ggccccaagc acgggccggg catagatttc ctcttccaca agctgccgct 900
tttctgggca ccttgaagca tcagggcgtg aaatcaaact agatgtgggc agggagagtg 960
ttgcttacct gccctgctgg ggcagggttt cctgaaactg ggttaattct ttatagaaat 1020
gtgaacactg aatttatttt aaaaaataat aataaaaatt taaaaaaatt aaaaataaaa 1080
aaaaccacag aaaacaactt tacatgtata taggtcttga agtgagtgaa gtggctgctt 1140
ttttttttt ttttttttg cttttttttg ctttttgtag aagagattga gaatggtact 1200
ctaatcaaaa ataaagtttt gtagtgggac cagaaattac ttacctgaca tccaccccca 1260
ttccccctca tcctgctggg gttgaaagtt ccagacctgc tgtcgaggcc ttgtgtttgt 1320
cagacaccca gtgtcctcct gcaaggacgc aactgtgagc tgaggtgtga gcctaggagc 1380
ccaggacccc tgaccccggc cgctgctgcc agcctcagaa aggcacccag gtgtgcaggg 1440
gagcacacag ggcccggcag cccccaggaa tcaaggatag ggctaaggtt ttcaccttaa 1500
ctgtgaaggc aggaggaata ggtgactgct tcctcccgcc cttcacagaa ctgattctca 1560
cacactgtcc cttcagtcca gggggccggg gctcaggagc catgacctgg tgtctcctgc 1620
ccaccctggt cccaggtaaa tgtgaatgga gacaggtatg agaggctgtc ctcgtctttg 1680
attcccccc aaccccacct cgggcctcac gacggtgcta cctaagaaag tcttccctcc 1740
caccccccgc tagcctggtc agtggtcagc aaattggaag aggatccgat gggagtgtaa 1800
atgtgagaca caatgtcttg attatacctg tttgtggttt agctttgtat ttaaayaagg 1860
aaataaactt gaaaattatt tgtcatcata aaaatgaaac aaattaaaat atttattgcc 1920
aggcaaaaaa aaaaaaaaaa aagttttggc ccatagtgag tcctttacaa gtcga 1975

<210> 1914
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 1914
gtacaagatg acggagccgg gcgcctctcc cgaggaccct tgggtcaagg tggagtatgc 60
ctacagcgac aacagcctgg accccgggct ttttgtagaa agcacccgca aggggagtgt 120
agtgtccaga gctaatagca tcggttccac cagtgcctct tctgtcccca acacagatga 180
tgaggacagt gattaccacc aggaggccta caaggagtcc tacaaagacc ggcggcggcg 240
cgcacacact caggctgagc agaagaggag ggacgccatc aagagaggct atgatgacct 300
tcagaccatc gtccccactt gccagcagca ggacttctcc attggctccc aaaagctcag 360
caaagccatc gttctacaaa agaccattga ctacattcag tttttgcaca aggagaagaa 420
aaagcaggag gaggaggtgt cacgttacgc aaggatgtac cgncctaaag atcatgaaag 480
tgaactatga rcagattgtg aaggcaca 508

<210> 1915
<211> 2885
<212> DNA
<213> Homo sapiens

<400> 1915
gggcacgagc ggctgctggc tcctcctcgt ccttgtcctc gtcctacttg tgagcccccg 60
cggctgccga gcgcggcggg gcctccgcgg tctgctcatg gcgcacagcc agcggctgct 120
cttccgaatc gggtacagcc tgtacacccg cacctggctc gggtacctct tctaccgaca 180
gcagctgcgc agggctcgga atcgctaccc taaaggccac tcgaaaaccc agccccgcct 240
cttcaatgga gtgaaggtgc ttcccatccc tgtcctctcg gacaactaca gctacctcat 300
catcgacacc caggcccagc tggctgtggc tgtggaccct tcagaccctc gggctgtgca 360
rgcttccatt gaaaagraag gggtcacctt ggtcgccaty ctgtktactc acaarcactg 420
ggamcacart ggarggaacc gtgamctcar ccgggggcac cgggactgtc gggtgtacgg 480
gagccctcag gacggcatcc cctacctcac ccatcccctg tgtcatcaag atgtggtcag 540
cgtgggacgg cttcagatcc gggccctggc tacacctggc cacacacaag gccatctggt 600
ctacctactg gatggggagc cctacaaggg tccctcctgc ctcttctcag gggacctgct 660
cttcctctct ggctgtgggc ggacctttga gggcaatgca gagaccatgc tgagctcact 720
ggacactgtg ctggggctag gggatgacac ccttctgtgg cctggtcatg agtatgcaga 780
ggagaacctg ggctttgcag gtgtggtgga gcccgagaac ctggcccggg agaggaagat 840
gcagtgggtg cagcggcagc ggctggagcg caagggcacg tgcccatcta ccctgggaga 900
ggagcgctcc tacaacccgt tcctgagaac ccactgcctg gcgctacagg aggctctggg 960
gccggggccg ggccccactg gggatgatga ctactcccgg gcccagctcc tggaagagct 1020
ccgccggctg aaggatatgc acaagagcaa gtratgcccc cagcgccccc agcccagccc 1080
actccccgca tgggaggccg ccaccaccaa cacctcatca tccttctcat cgctaacacc 1140
accamctcca tcggcaccca agcgggcatc atccccccac actgctcagg ggaggggagg 1200
gatcaggcga tgagactgtg aaggccaaaa gaaggggccc tgttggaggc tgggaacccc 1260
gcagcgcgag gctgcctcat caacggcaag aggaaaggag gggtctcggg acatctccag 1320
accctaccaa ctgggagggt cccctcctcc ttccctactc ctgggacggc agcaaggaca 1380
tgggggctgc tgttagcttc tccgtcagrg gcctcatctc actgtagccc tggaacccag 1440
ggtccatctt gcccttcccc catccatggt tgggaaagaa gctcagcccc tcacagtggc 1500
ctcaagtgtg atgccttaca aaagcaccac tcagatgggc agctggactc tggtgtcctg 1560
agactctgcc ctcttcccac agcctccctg ccccacccat cccrgcaaag ccatttttca 1620
gacagagcca ttcctaagaa cactgaaggg ctggaatgct ggctggccac tctctgcctc 1680
agtggcctcc ctacagcctg gaagaaggag ggtcctgatt gccaaggaaa cctcctcatt 1740
gggctaagga gacactggag tctggagtgt ggagccccac agtcttgcag gtcacatgct 1800
ctccttgcac atctggcctg gttgtaccca ctggcctctg cctctgccct gggccaaaag 1860
ggcccctcct tgccagggga gagacagcca cggtcctctt tggccgatgc tgtattctca 1920
ttttggccct tgttcttagg cccgtctgcc cgccytcctc catctaacct ttcctgtttt 1980
atccgcagcc cttttcttct ttgagttagt aaagatttat tctgtaacct gacactcatc 2040
tggccctttg cagtttgcca gccatattcc catgtgattt cccactggat ccaggccccc 2100
atccggctgg caggaggggg ctctgacgtr caggttggaa atcagaagtc tgtgagagcg 2160
cgggagtgca tggcagctct gggtcccaga cctggcccga cccctctgct tcacctccag 2220
ctctgctgct cctctactct tgggtcgaga tcccctttgga gccacagcga ggaaccctgt 2280
ggtcctcagg caggtgtacc ttgagtcagc caggagccct cttttcctgt gtcaaagcct 2340
gccctcgggc tctgctcamc tctggtgacc ctccaagatg cccctgccct cagtttcccc 2400
tcatgatctg gcctctgccc ccttctctag ccacagcctc tagtacactt tagcaatacc 2460
accagactag ttagagttcc ccactcacca agcaagacat gcagtttcat gcctctgtgc 2520
cttcgctcat gctgtttctt ccgactggaa tgccttcccc tgctcctcct gccttgtctg 2580
cctggcaagt tcatctctca cgatcccctc aaaggccccc tcctccagga aggcaacccc 2640
tgtgcccctc ccctccaggc tacctctgca ctttgtcaat gcttctcttg tggcacttat 2700
cacactgtat tttacttgtt tacatgtttg tctccccttc tagactgtga atccttaagg 2760
gcatggactg tatcttatgc atctctgtat ttctgcgcct agcacggtgc ctagcacaca 2820
gtaggcgctc aataaatgtt gaatgaatga atgatttaat caagacttga tcacccaaaa 2880
aaaaa 2885

<210> 1916
<211> 3008
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2235)
<223> n equals a,t,g, or c

<400> 1916
tgacatggaa agttgtatac caaaggagtc ttagggactg tccatggata ctgttatgta 60
tcatttcact tatattggct tcagcttgcg atttctctac tgtaagtggt gagaattgat 120
cagatagtta aggaaggtcc ttagataatg cagtatactt attaacatac agacatcaag 180
aagcagaaat atatagacat cttccttttt ggttctaata gggcttcgtg ggacacatat 240
gcaacatgcc tatgattttt acaagcctga tatgctatct gaatatccta tagtagatgg 300
aaaactctcc atacagtgct acctcagtgs attagamcgc tgctattctg tctactgcaa 360
aaagatccat gcccagtggc agaaagaggg aatgataaag attttacctt gaatgatttt 420
ggsttcatga tctttcactc accatattgt aaactggttc agaaatctct agctcggatg 480
ttgctgaatg acttccttaa tgaccagaat agagataaaa atagtatcta tagtggcctg 540
gaagcctttg gggatgttaa attagaagac acctactttg atagagatgt ggagaaggca 600
tttatgaagg ctagctctga actcttcagt cagaaaacaa aggcatcttt acttgtatca 660
aatcaaaatg gaaatatgta cacatcttca gtatatggtt cccttgcatc tgttctagca 720
cagtactcac ctcagcaatt agcagggaag agaattggag tgttttctta tggttctggt 780
ttggctgcca ctctgtactc tcttaaagtc acacaagatg ctacaccggg gtctgctctt 840
gataaaataa cagcaagttt atgtgatctt aaatccaagg cttgattcca agaactggtg 900
tggcaccaga tgtcttcgct gaaaacatga agctccagag aggacaccca tcattkggtc 960
aactatattc cccagggttc aatagattca ctctttgaag gaacgtggta cttagttagg 1020
gtggatgaaa agcacagaag aacttacgct cggcgtccca ctccaaatgr tgacactttg 1080
gatgaaggag taggacttgt gcattcaaac atagcaactg agcatattcc aagccctgcc 1140
aagaaagtac caagactccc tgccacagca gcagaacctg aagcagctgt cattagtaat 1200
ggggaacatt aagatactct gtgaggtgca agacttcagg gtkgggtgsg catggggtgg 1260
sgstatggga acagttggag gaatgggata tctggggata attttaaagg attacatgtt 1320
atgtaaattt ttatgtgact gacatggagc ctggatgact atcgtgtact tgggaaagtc 1380
tctttgctct atttgctgac atgcttcctg ttgtggtctg gccaatgcca aatgtactcg 1440
aatgatgtta agggctctgt aaaacttcat acctctttgg ccatttgtat gcatgatgtt 1500
tgctttttaa acatggtata atgaattgtg tacttctgtc agaagaaagc agaggtacta 1560
atctccaatt aaaaaatttt ttaacatgta agaattttgt actttgaaca acaagattac 1620
agaaagtacc tgtggttttt ggaaaacatt tctagcttgg ggaatgtgac aacattcccc 1680
agtgtggtaa aattggggta aaatgtggta aaatgtgata cgcacaaacc ctttgaaaat 1740
agcawaacaa acatgccctt tttctaaaat tgataaatcc taaagaggaa gaaaagagct 1800
gggacaataa aacactggct ctggaatctg gaatgttaag tccaggccag cagtgacaaa 1860
agttattgta atgacctctg aacagagaaa cactgccatt gaagaggctt ctggtataga 1920
aaacatggta cattcaggag ctgtgaatat agctctaggt gtgctcctga atcagttcat 1980
ggtagattat gctgaacaac agtgagatgt tattggaggt gtggatgagg gagtttgttg 2040
ttgcagtcct tctttgcacc ttattttaaa gaataaatga aacatttttc tggttacttt 2100
tttaaaaatt taaaatggaa gggaagaata ggggcagggc attattaggc tatttctgat 2160
gcttcagtgt tataaattca acatagaggc tgacaaccta aattcatggt gtaacacagc 2220
tcttttcctt ttccnttttt ttttttttt tggtatctgt tcaatgaaaa taaggtatga 2280
cccaagtttt tacctagtct gactagaagt attccacttc aaggtctgaa gtaggacttt 2340

taccttaaaa aacaacaaca aacaaaacta tcacacagga tagataagaa gattggttaa 2400
acagttttgt gtagatcttt ttggtgctga actatgacat gagccttata gattgtaaaa 2460
tagggatagt tggaactaat gtacagaact aaatttttta aactttattt gctgttaaat 2520
tctgtgaagt ttcagttatc taaaataaat atacacaaat atgaaatata atgtttcaga 2580
ttgcaaggta atatgtaata gtagtgtttg taagatactc ttgtctaata ttaactagta 2640
gtattttgat ttgtacagtc ataatttgtt aaaatgactt catttaacat tcactgatgt 2700
agattaataa tgtaagttct gatttaaaga atggtggsaa aatggtgcat gtaatacttt 2760
tgcaagtgtt ggggagatcg gtatgttttg aaaagagtaa tttaactttt gggtgccagg 2820
aaatgggttt tctcaaagtc cattgccggc aatgggcagg cctgcaaata ctggcacaga 2880
gcattaatca tacaccttat taacggtgag gtgaataact ttgaaataaa gttttagaga 2940
aatgtttcar aaaaaaaaaa aaaaaaaaaa ctcgagacta gttctctctc tctcgtgccg 3000
ctcgtgcc 3008

<210> 1917
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 1917
gttcccaatc tgaagysgga gctggcgaga agtaggggag ggcggtgctc cgccgcggtg 60
gcggttgcta tcgcttcgca gaacctactc aggcagccag ctgagaagag ttgagggaaa 120
gtgctgctgc tgggtctgca gacgcgatgg ataacgtgca gccgaaaata aaacatcgcc 180
ccttctgctt cagtgtgaaa ggccacgtga agatgctgcg gctggatatt atcaactcac 240
tggtaacaac agtattcatg ctcatcgtat ctgtgttggc actgatacca gaaaccacaa 300
cattgacagt tggtggaggg gtgtttgcac ttgtgacagc agtatgctgt cttgccgacg 360
gggcccttat ttaccggaag cttctgttca atcccagcgg tccttaccag aaaaagcctg 420
tgcatgaaaa aaaagaagtt ttgtaatttt atattacttt ttagtttgat actaagtatt 480
aaacatattt ctgtattctt ccaaaaaaaa aaanaaactg gaggggggcc cgtacccaat 540
cgccgtatat gatcgtaa 558

<210> 1918
<211> 1819
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1763)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1778)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (1797)
<223> n equals a,t,g, or c

<400> 1918
gtctattagc ttttacctca aaattttaag ccagaactat catctttgtt tttttatttt 60
ctatctttaa acatttatct gtgaagtgac aaatggccta cagctgtgag agcaaatgga 120
catctcctcc tgaactctga gaagatgtca aaatccacag gcaacttcct cactttgacc 180
caagctattg acaaattttc agcagatgga atgcgtttgg ctctggctga tgctggtgac 240
actgtagaag atgccaactt tgtggaagcc atggcagatg caggtattct ccgtctgtac 300
acctgggtag agtgggtgaa agaaatggtt gccaactggg acagcctaag aagtggtcct 360
gccagcactt tcaatgatag agtttttgcc agtgaattga atgcaggaat tataaaaaca 420
gatcaaaact atgaaaagat gatgtttaaa gaagctttga aaacagggtt ttttgagttt 480
caggccgcaa aagataagta ccgtgaattg gctgtggaag ggatgcacag agaacttgtg 540
ttccggttta ttgaagttca gacacttctc ctcgctccat tctgtccaca tttgtgtgag 600
cacatctgga cactcctggg aaagcctgac tcaattatga atgcttcatg gcctgtggca 660
ggtcctgttr atgaagtttt aatacactcc tcacagtatc ttatggaagt aacacatgac 720
cttagactac gactcaagaa ctatatgatg ccagctaaag ggaagaagac tgacaaacaa 780
cccctgcaga agccctcaca ttgcaccatc tatgtggcaa agaactatcc accttggcaa 840
cataccaccc tgtctgttct acgtaaacac tttgaggcca ataacggaaa actgcctgac 900
aacaaagtca ttgctagtga actaggcagt atgccagaac tgaagaaata catgaagaaa 960
gtcatgccat ttgttgccat gattaaggaa aatctggaga agatggggcc tcgtattctg 1020
gatttgcaat tagaatttga tgaaaaggct gtgcttatgg agaatatagt ctatctgact 1080
aattcgcttg agctagaaca catagaagtc aagtttgcct ccgaagcaga agataaaatc 1140
agggaagact gctgtcctgg gaaaccactt aatgttttta gaatagaacc tggtgtgtcc 1200
gtttctctgg tgaatcccca gccatccaat ggccacttct caaccaaaat tgaaatcarg 1260
caaggagata actgtgattc cataatcagg cgtttaatga aaatgaatcg aggaattaaa 1320
gacctttcca aagtgaaact gatgagattt gatgatccac tgttggggcc tcgacgagtt 1380
cctgtcctgg gaaaggagta caccgagaag acccccattt ctgagcatgc tgttttcaat 1440
gtggacctca tgagcaagaa aattcatctg actgagaatg ggataagggt ggatattggc 1500
gatacaataa tctatctggt tcattaaact catgcacatt ggagatttat cctggtttct 1560
taggaatact actactctga ttgtgtctac tgattggcta tcagaacctt aggctggacc 1620
taaatagatt gatttcattt ctaaccatcc aattctgcat gtattcataa ttctatcaag 1680
tcatctttga ttcctggacc taataaattt tttttccctt tcaaaaaaaa aaaaaaaaaa 1740
aaaaaaaaaa aaaaaaaaaa aanttcctgc ggccgcangg ctttttccct ttggtgnggg 1800
gttaattttg ggcttgggc 1819

<210> 1919
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 1919
ggcaaaacca cttgcgcccg gactcaatga acttgtcata ctccacggac atcttgcagc 60
agagggcctg acgagtgcgc accgccgagc agttggtgtt gatgacacgg tcgccgccct 120
ggagctcgag ctcagggtcg tccccgtcgg tgaagataaa cgtctgctgg cgggcccggg 180
agatccaggt gcgcagcagc agccgcaggc gcggcccgtg gttcttccgg gtggtcttga 240
cggcgatgaa gacgtcgtca ggccgcaggc tgggggcagc gggccgggcc aggttcggaa 300
ttcttgcaaa acttattgtc cttgtcttca tttagcaaca gtggtaagta gttggaaacc 360
aagtatttat gtaagacaca catcacatgg tgatactcac atttatgtag aagtttattg 420
tttgaagttg ctttgtggcc atactttatt gtagtttkgg gatacagcta atgagtattt 480
ggsttttatt ctgattttat agtctgatta tttgggtcaa atcggnttag taggttaaat 540
gagatgattt agtnggttaa ctcacttagg tttttaa 577

<210> 1920
<211> 2115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1342)
<223> n equals a,t,g, or c

<400> 1920
cagcaacgga ataaacgtgc aacatacgag cggtgatcca cagatgggtg cccatctctt 60
ctttgatttg ccctttattg cctaaccagc caaaaccagt nggcactacg gaatttttac 120
caaaatcaaa gatgcggtcg gtttcctgtt ccagccaacg gttgtggctt agggtgttaa 180
accatttcat tccttttatc ctcatcttag cggcgtttag ccatcatttc gtcgacccan 240
gcgtccgatt aacactaaga tactctgatt tttagccraa ctaaacaaag tgcttctact 300
gagaggcctt tataccacca tgtacagtaa ctctaagtga atacggaaga ccttggtttt 360
gaaattctgc caccttgttt ctccctgctc atgaggtcgc acctttgct cttgctgcta 420
attgcccatt cgtagtgggt gtaatgccag gtggaatggt ttcaacaagt caggtgaaaa 480
ccatccttta ttgttgctgg cacaacttga tatatagtct gactcagaac tgaagctcac 540
atctcaaatt catttcatgc cagtaaatgt ggcaaagaga agaaaggccc aagagcgaga 600
caagaagaat ggagaagggg gcagccaaga agaacttctg ggttcagggt actgtttatt 660
tgctccttct cttcatgcct gtggctggat gtcccacaac actataagaa atataagtca 720
agccctttgt gttaagcaag aactacagac tccatctttt cacccaaatc atgaatgacc 780
aataaaaagc aagttattcc agaggaagaa gcagcccttg aaatgttaag gcttaggctt 840
gaaaggtgaa gagcaggaat tctctctttc aaatcctaga gcataaaccc atgtgtggcc 900
aagtgagatc agccctcaag ggcacatgcc aagggcagag cagcccatgt agacagcttc 960
ggagggcatg ggggtgtagg gagttcgggg tagctcctca ttaactattt gttgggtgag 1020

taaaggggtg aggctcagtg gcaggtacct ctgcaatgac aagctgcctc ccctctatgt 1080
gtttagcata tgttattaga acatgtccga cacccctacc gctgccattt gggcccttta 1140
ataaagccaa gtagagaaat ctggcaataa aaggcaaatg taagcatgct ttctttaaga 1200
cgcatcataa atggttttct ttaagtgaat ggaagagttt gacagagata caccttttgta 1260
agaaaacatt aagaatgctg gctggctgtg gtggctcaca cctgtattcc cagcactttg 1320
ggaggcctas gcwggaggat tncttgrgcc tgggmcttcg agaccagact gggaaacatg 1380
gcaaaatccc atctytacaa caaaaatata aaaattagcc aagtgcggtg gtgtgcctgt 1440
agtcctagtt acttgggagg ctgaggtggg agaatcacct gagcccagga ggtggagkct 1500
gcagtgagcc atgccaatgc actccagtyt gggcaacaga gtgagaccct gtctcaaaaa 1560
taaataaata aataaatgaa taaagagaat gctaatcatt tctgggttca ctgcgactca 1620
ctgtagtgct ggggatcccc cttgtaacac tggaactgaa agacagtgat gaaagctatg 1680
tcaagcattc attattctga agaggaggag aaatgccaca tacctttccc atgggacctg 1740
tggtggaatg aatccatact tctgcctcac ttcgagcaga cttttgttct cggcgctcct 1800
cacgatggag tttcatgctt cattttcaca tctctctgca caattagatt gggagctcct 1860
tgagggcaga gtacgtgcct taatctttat ctttgtaatg ccacaatgaa cagagtgcct 1920
cctggtacac tgtaggagct taagaaatac tcactgaatg catgaatgaa tgaatgaaca 1980
aatgaaggaa tgactaagga tgtttgtagt gctataatat agaatgggat ttactctgct 2040
ttaccagtta gtttcataat aaacaaatag tctgtaaaaa aaaaaaaaaa aaaaaaaaaa 2100
aaaaaaaggg cggcc 2115

<210> 1921
<211> 3953
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (626)
<223> n equals a,t,g, or c

<400> 1921
cgcaggcggc gggaggccca ggagaagcgg tactactacg acctcgatga ctcttacgac 60
gagagcgatg aggaggaggt cagggcccac ctccgttgcg tggccgagca gccgcccctc 120
aaactggaca cgtcctctga gaagctagag tttttgcaac tttttggctt gaccacccaa 180
cagcagaagg aggaattggt ggcccagaag cggaggaagc ggcggaggat gctgcgagag 240
agaagcccgt cgcccccaac aattcagagc aagcggcaga cgccttcacc gagactggcg 300
ctgtctaccc gctacagccc tgatgagatg aacaacagtc ccaacttcga agaaaagaag 360
aagttcctga ccatcttcaa cctgacccac atcagcgctg agaagaggaa agacaaagag 420
agacttgttg aaatgctccg tgccatgaag cagaaggcac tgtcagcagc agtggccgac 480
tccttgacaa actctccgag ggacagtcct gccgtctccc tgagtgaacc agccacgcag 540
caagcctctc tggatgtgga gaagccggtt ggtgttgctg cttccttgtc tgacatccca 600
aaggccgcgg acctgggnaa gctggnaaca ggtccggccc caggagctgt cgagagtcca 660
ggagctagct cctgccagcg gggagaaagg ccaggctgag cgaggcccct ggaggcaaaa 720
agagtctgag catgcttcac tatatccggg gcgctgcacc caaggacatt cctgtgccgc 780
tgtcccacag caccaatggg aagagcaagc cgtgggagcc ctttgtggca gaagagtttg 840
cacatyagtt ccacgagtca gtgctgcagt ccacccagaa ggccctgcag aagcataaag 900

ggagcgtggc tgtgctgtct gcagagcaga accacaaggt tgacacgtcc gtccactaca 960
acattcctga gctgcagtcc tccagccgcg cccctccacc ccagcacaat gggcagcagg 1020
agcccccccac tgcaaggaag ggcccccccaa cccaggagtt ggaccgggac tcggaggagg 1080
aggaagagga ggatgatgaa gatggagaag atgaggagga agtccccaag cgcaagtggc 1140
aagggatcga ggccgttttt gaagcttacc aggaacacat agaagagcaa aatctggagc 1200
ggcaggtgtt acagacacaa tgtagacgac tggaggcccg gcactacagc ctcagcctga 1260
cggcagagca gctctcccac agcgtggcgg agttgaggag ccagaaacag aagatggtct 1320
cagaacggga gcggctccag gcagaactgg accacttacg aaagtgcctt gccttgcctg 1380
caatgcactg gcctaggggc tacctgaagg gatatcccag gtgacggttt cccttgcact 1440
aggccgaacc tatagtatag aaatattatc tattttatta ccttgaatat ttaatatttt 1500
tcactgggag gtttgaagct tacaaaatga gaatgtgcca tgcatgaagc aaaggattcc 1560
aggctccaga aaaaatgaat gaactcacct tgacgtcaat gcaattgaat caccgttgtc 1620
attcagcgag caaccaatgt aggattgccc acagtttttc tttttaaagg tggttttcgc 1680
ccttcctctc ccacattatt tcttaatctg aacatgaagg ctccattagc aacactaaaa 1740
cttgatcatt aacagccccc tgtgcatatg agtggatcaa accggttctg ttctttcttg 1800
tgttgccatg ttactatgcc tcaagcccag tttgcttttg ccrcagcgat ggggccagtc 1860
tcattcctcc ccaggagtga aacttgcttc agctgaaaag gttgggtgca tygtcagtaa 1920
aaagggctta tttgtttcat tttactttcc tgcaaaattt tcttcaaagc aacaagtcct 1980
aggagcacac aaagcaaccc aaaggctttt ccctggaaaa gctctttctt acctaaagat 2040
aaaaccaatt cacaaactga aggtagcttt ttattactcc gtggggagca tgtacagagc 2100
tctgtgtata cacagcttca cacccaccag attgttacta cagtgggttg ggttttcata 2160
cagacgtaaa ttttgagaga aaagtcaaag gtgcttcagc cttgtactgt gtatatatat 2220
taaaaaaaaa acaaagtttt gtatgttttt attactttaa ctattgttat aaaaagcctg 2280
ccatttttaa tatgtggttt gggggatttt tgtttgtttt tcctgtttgg gggttttgtt 2340
tgttgttttg gttttttttg ggcaaaaaaa aaaaaaaaac cttgctttta gtgtttgtac 2400
tgctgctggt caggacatta aaatattgaa gtgttttaa aaattaaaga agaagaaaag 2460
taaaagagct taccactggc gcctatgcga tcacttcatt tttagtttga gttgcaccag 2520
aagctgccgt agaaagccat gcgctactgc ttacctcctc cactcccct gcctgccccc 2580
agcatctgga caagctaata gcaaatatta cccattgcta tcaagggagg agggggtagt 2640
ctgtagaacc catgtgtgac agtcatgtgc acacatgggc gggggctttt aaaaaccttt 2700
caggaagtca atgatttctg tgattgatat aattctaagg tgtctgagag caggtacaga 2760
ataggaactt cagaggcttt gtttaaacgc aaagctttgt aaaagccaca aggtctgagc 2820
tgaacccctc ctttttgaac ttactgtgac aagcacagga acggtcagaa actgggctca 2880
tcacaccaag gcaaagcaac gggcgagtct tcctccttgt cctagttact gcctatggag 2940
gcagtgttta gatcaagaag gcctctcttg ctcccaaggg ccctcaccag aggccagggc 3000
tgccagtcac tggtctgggg ggtggaggcc tgagctgagg gcagggtgcc tgacctgtgt 3060
gccggctgct cactgctgtg accagcagcc gagcccttgg ccctagccct tgctgcgcak 3120
aacagcttgc tggcagctgg catcgtgtcg ctttatctgc ccccgcacag tttgctttgt 3180
acgtctgcca agaatcttcc agttattagc aaactcagac gaatgtaccg ccagtattat 3240
cagcagtcaa caagcacctt cctctccaca gaagcagctg gaagagaact cgaggggctg 3300
tgctgmaggc ctyccctcga aagacactgg gaggtcagca tgttccacag gtgttcagag 3360
ggagtctgct acaaactatc agggcaaaat ctcactggaw ttctccactg aaaacctact 3420
tgaggtttct ggtctgaagg cttaagagtc acatcttagc acttccgctc tcaggcctcc 3480
tcctccatca cagatgtctg gatgcttttg gaaatggcct tggctaaagt aaaagggaaa 3540
agtagatccg ataacttaaa aacgtagctc atcccttacc atccaagggg cactcccttg 3600
gttggatttt ctatgacagc acaggggaca ggtggcacac catgagaggt ctgcccaggg 3660
tgggagcagt gtcactgtgc tagcaatagt tggcttctcc cctgtcagtg gaaaccccac 3720
ttctgcccgg cccttgagct tcttgcccac tgtctcccca tccttccacc tacttgtggc 3780
gatctgagta ctctactctt gctcaagaag taatacgmca atcagaatac aaaccagtaa 3840
ggcaacacga ataaactaaa aaaaaaaaaa aaaaaaaaaa aaaaaccttg cttttagtgt 3900
ttgtactgct gctggtcagg acattaaaat attgaagtgt ttttaaaaat taa 3953

<210> 1922
<211> 1992
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1955)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1989)
<223> n equals a,t,g, or c

<400> 1922
ggagcgggtt tcggttggag gactcgttgg ggaggtggcc tgcgcttgta gagactgcat 60
ccccgagacg atggcggagg gagataatcg cagcaccaac ctgctggctg cagagactgc 120
aagtctggaa gaaaaaccta agatgtactt catgaccatg atcgtttccc ttgctgcggt 180
tgcttgggtg ggacaacaag tccacaacct gcttctcacc tacctgatag tgacttcctt 240
actattgctt cctggactaa accaacatgg aatcattttg aagtacattg gaatggccaa 300
gagggagata aacaaacttc tcaaacaaaa agaaaagaaa aacgaatgat tcatctgctt 360
taatcagtgt gattaatgca gcacccattg ccccgggaac cgtttctgct gtactatctg 420
gatactaaaa tgttacggaa gtagctcttt gttctccctc actctgccct tagttaatag 480
aaattcagac tcgccaagta aggcttcgtg catagtgtct tcatgtcgcg tatagttgag 540
cgcgttctta gcagttggct tcatggacaa ctcattagtg ttttgacttt tcttacccag 600
cgttaattga attcttgctt ttagacaact tccttttttgt agtggtgaac cttgcccttt 660
agtacagttc aagtgaatct ggataattgt tcatctttgc tttagcttag ataccatgta 720
gtggtctgtg gctacaggaa gctggttctg tctgcttcca cagtctgctt aaaaaactgt 780
ctgacttcgt gaatatagag accaagttta ccacttctga tgaagagacc aattaagatt 840
cattcctcat tctgtttctt tccagtggga gaagagtccc catgaaataa gatgaaactg 900
attccatgca ctagtacatg taggcttctc ccttgtgcaa agcttagcaa tttgtaggaa 960
actttgatct ttttgtccaa gaaaaggaat gtctgacagg cttaagcttt cgtccccttg 1020
cacttagact cgaagttagt aaatccttaa aggcttttta atagcagact tccaaaagat 1080
tgcatttagg atttctagca tgcttttaat ttcagatttt cagctgacat tagctatagt 1140
atacagtagg ttaagactca tgtctatgac tttcactcta agactggcaa aaggacagca 1200
gtcttctatg tttagtcaat attcatttca gtagaagata atcttatcta atttttgaga 1260
ccagaataag ccttttaagg taaacctcaa aattatcatt ttatggtaat actgaccatt 1320
ttagtcccct aggtttgaca tgggagatag tgactacact ggtgtctgac ttttttccta 1380
gagatttctc cctgaaaaat acaagggctg ttggtgagag cagacttgag gtgatgatag 1440
ttggcctctg gtctacaaag atttcataac tccttggaaa gcttcttata atcattctta 1500
acttcttggt agctagaaat ttagagtagt tgaaatcttt aggaatgaac ttctgagggc 1560
caaaaaatgt gactgacggg aacaattctt aaactgatta actagctgta atatagtttt 1620
gtgaatttat tgcactgatg ttgtaccttg tggtatatct gtccctatta aataagtgtt 1680
gttttctcct ctttaatatt gctgtgaaca gtggtgccca ttgtagcata tgtttgattt 1740
ttttttatta tttcataaga aaactacgtt aattttacct tactttcatt gtaaataagc 1800
ctgtcttcct atctggattt tttgtgtgca tacatattct actgattaac tacttttgca 1860
gttttaatcc tgtattattt cttctacttt gttttgtgta aaaggggaaa aaataaaaaa 1920
agctggaatc ttaaaaaaaa aaaaaaaaaa aaacncragg gggggcccgg tmcccattcg 1980
ccccatagng ag 1992

<210> 1923
<211> 725
<212> DNA
<213> Homo sapiens

<400> 1923
ctgtgccgat cgaatctata aaacaaacac aggaagaaat taaaagaaat attatggctc 60
ttcgaaatca tttagtttca agcacaccgg ccacgratta ttttctgcaa caaaaagact 120
acttcatcat tttcctcctg attttgcttc aagtcataat aaacttcatg ttcaagtaga 180
agttctctac cattgaatca gtgaactaga aagatctgat ttggcctggg accagtgttc 240
aagttggttt ggtctttatt aaaaatcaca atattccgaa aacaaaaaaa cctaggagat 300
aaatgtagag gtattgactt ttcgtatctt ttatcttcac actgaaacaa gagctatcct 360
atttgattat taaagtgagc tatgtgttaa gtgccaggac atttctagct tttgtgagaa 420
tgtgtctaca tatgagtata ataaacccac atgtatacac aattgtctct tatgtactcc 480
tacctgacag tagtctttgt attctatagt atgttctgag atataatgtt aacattgttc 540
ataacaaaaa atgctatcaa tcttataaat atatgtaatc tatttttctc ataaaacagg 600
cacaaaagtt ttatcagtaa ggrattacag rttgagaaat grtggaataa taggcatrat 660
tgattcaata cactactgtt aaaatcmttt gcaagcactc agctcattat cttcttagga 720
gaagg 725

<210> 1924
<211> 2227
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<400> 1924
cggacgcgtg ggtcgaccca cgcgtccggg aaaaarggaa aaratgccgt gtaaaatctc 60
gttctgtgtc tgaattgccg taggctcaga tcttcatttg aggttctgtg tctgaattgc 120
cgtaggctca gatcttcatt tgaggttatg ttctataagt taacgttgat cttgtgtgag 180
ctttcggtag ctggagtaac acaggcggcc tcacagcgac ctctccagcg ccttccaagg 240
cacatctgca gccagcgtaa tcctcctggg agatgcctcc tcaaggccnt gctccagacc 300
acgtggggar ggcctgacar ccaattccca ggctgtcccc acccttgrag agtgacccta 360
aacgctagac agatggggaa tgggaaagaa aagaaagctg cagacctcaa gttaaaattc 420
cctcaaaaac gtttttattt atctgctttt tctgaaagga taaaggcttt ttgaaaatta 480
ttttctaaca aataacatga acacttctag aaaccctaga aaaacacaaa gtattcaaaa 540
tagaaagaaa aattacccat tactctttaa gccagcatta tccattgcgg tgcttttgga 600
gttgggtgag gccgtagcct ctgccaagtc aaggagcccg gtggtggctg tggcattcct 660
gcagggttgt ttttttttct ttgagatgga gtctcactct tgtcacccca gctggaatgt 720
ggtggtgtaa acagctcact gcagccttga ccctgaggct caagcgatcc ttctgccttg 780
gcctcctgag tagctgggat cccaggcgag agtcaccaca ccctgtccat gttcctgcag 840
gtcttgatat gcgaggacgc tgtgtcttcc ctgccacatt ttcttcttct ttcttgagac 900
agacccttgc tccatcaccc aggccagagt gtggtsgtgc gaacacggct cactgcagcc 960
tcgaccctca ggctcaagcg atcctcacgc ctcggacccc caaagtgctg ggatcacagg 1020
cgagagtcac catgctggcc tgaatcttca gggtatttta cggttgaagt gtcacttact 1080
tarccatscc tgtttcaaga gtgtaggtgg tcaccctgtc tctgycgctg acctggcctg 1140

gaccctcggc tgtgagaggg aggggtgggc tgggctggag gaacctraag ccctcgtgat 1200
gtcacaagcc catctggctg ggcatcccct gctgtgtcct gagctgcaca tgccccaggt 1260
ggcccccaca gcagaggcga gccactgrag ggtgragggc ttccacggac ggtcttcagg 1320
ggragaagaa gggcccaggc ccccaggaga ctcaggagac cagagcctgg ggtcaggggc 1380
tyagcagggg ctyarccagg gctggatgtc cggagccagc cccgmagccc tgkgktcttt 1440
gttcttcgca ctcccaccgt ccgtgtgaac agctccagcc ccacctgcgc ctccctgtgc 1500
tgggctccat cagggagccc agaagacgtg tgtgcttctg aaattgggtc cctacatgcc 1560
tttgtcccag tgcaccttgc tccttccatt tactatcgag atttaaatgc ctgttttctc 1620
cccagaggtt gacggatata ttcagacgtt acgacacgga tcaggacggc tggattcagg 1680
tgtcgtacga acagtacctg tccatggtct tcagtatcgt atgaccctgg cctctcgtga 1740
agagcagcac aacatggaaa gagccaaaat gtcacagttc ctatctgtga gggaatggag 1800
cacaggtgca gttagatgct gttcttcctt tagattttgt cacgtgggga cccagctgta 1860
catatgtgga taagctgatt aatggttttg caactgtaat agtagctgta tcgttctaat 1920
gcagacattg gatttggtga ctgtctcatt gtgccatgag gtaaatgtaa tgtttcaggc 1980
attctgcttg caaaaaaatc tatcatgtgc ttttctagat gtctctggyt ctatagtgca 2040
aatgctttta ttagccaata ggaattttaa aataacatgg aacttacaca aaaggctttt 2100
catgtgcctt actttttaa aaaggagttt attgtattca ttggaatatg tgacgtaagc 2160
aataaaggga atgttagacg tgtaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2220
aaaaaaa 2227

<210> 1925
<211> 3911
<212> DNA
<213> Homo sapiens

<400> 1925
gacctaagcg tctaccgtca ccgctgccag ctcaygcgaa cccggcgacc tgctggagct 60
gctgtggctg cagccgcgcc ggagccgccc gcgcccgccc cgcactgggc cgtctacgtg 120
ggcggcgggc agatcatcca cctgcaccaa ggcgagatcc gccagacagc ctgtatgagg 180
cgggcgcggc caacgtgggc cgggtggtga atagctggta ccgctaccgc ccgctggtgg 240
ccgagctggt ggtgcagcaa cgtgcgccac ctgggcctca agagcgagga gatctgctgg 300
acgaactcgg agacgttcgc cgcctggtgc gctttggcaa gcgggagttc aaggcgggag 360
gggaggtgcc ggcaggcacg cagcccccgc agcagcagta ctatctcaag gtgcacctgg 420
gagagaacaa ggtccacacc gccaggtttc acagcctgga agacctcatc cgcgagaagc 480
gccgtatcga cgccagcggc cgcctgcgag tgctccagga gctcgccgac ctcgtggacg 540
acaaggagta gccgcctagg ggctgccggc ccctctgcct cccccgcacc tcgctccctt 600
cccttccccg cacccggact tcgcagtcag cggttctcaa cctctgcccc gccccgccac 660
gcgcgtccgc cgccggtggc ccgggcccgg gctgcacccc cgcatcccca agccagcggc 720
aggaagtctc aggaactgcc ccagggccga aagggcgccg ctgcgagcgc ctggctgaca 780
gccacagcgg tggtgacggt gctgggagac cccgcgtgcg ctttcccctt gagatgtaaa 840
ccgggaacgg ggaaggggct gaggggagaa aggacatggc cttccccgcg agtccatggc 900
cagtgactgt ggcccgactc gaaaacaacc ctcttctcaa aagggaccat caccgccccg 960
agcgtgcgca cacagaccgg tcggaggcga gaactggtct ctacagggca cagttcagct 1020
cctctgtgga tgcgtcccca gatcgcagga tttccaagaa atcgagcctg tcccttgtgc 1080
acttgggaat aattccccaa gacagcactt cgggattccg ggttatcctg aggctgcccg 1140
ggacttttcc agctctccag ccccaggtyt cctgacattg tgttccaggc tgcgggctaa 1200
gccagacagt gtttgcctcc ggttctttcc accgtgggaa gcgaacgcca cccccacccg 1260
cctttgcctg cgagtctccc tcgctggcag aagggaagcc ggcccggtcc cgggaggaag 1320
atggcgctgc gaattcggtg aggacagccg gccccgcccc cgacaaggag ctcgctcgtt 1380
cacctggtgt ctgggaactt gaatgtgtga agggcgctta ttgttctgaa cccttgattg 1440
ctccctccyc gggctgcatt tcaaaaatag tcatattttt aaaggagttg gaggagaggg 1500

aggggagga catggcacca ttccagaaac cagcattgtt acaacaccat agccagtata 1560
tttagtttgg cttttcctaa catagaaatc ttcaaagctg gggaagtgga aataaagttt 1620
taaaaatgag agagcagttt tccaactatg tcaacaaagc ctatcgtgtt gatgttttta 1680
ttgaccattt tagcaacagg ctaataaaat ttcaaattga aatttttatt ttcatggctt 1740
taatccatga tagtttaaat actgggggcc attaagagtg gatgtagcta agagcttagc 1800
taacattgcc ttttcactct atttttctca gatattgtaa gcattctgtt tttcaatatt 1860
gtagttaatt ttttggcttt caacagcagc cctagtaatg gtggagttgt taattaatgt 1920
gtatattgta ctgaatttct gtcagttaag gggttcactg ctttggtgga aattggtgga 1980
aattgctagc aggttccacg atgtttattt ttttctccat gttgtatatc attaccattt 2040
cacatacgcg tttctatttt tcttcctctc ctcctgatct ccttaaaaat gaatctagag 2100
ttggtggctt tttccccctc ctctttggcc agttccacag ttcagttctt cctgaaaaca 2160
gggatgatga acttgtagga tcaggacaaa tgtgtgtttt tcaaaaactt aaggctgggt 2220
gtgaaacacc ttctgtggac aaggatttgt aaacttctct cctccctcca gctgcggccc 2280
cagcctaact gatagttact tgattcagtg tgctagacac ttaaatagca tctatgtctc 2340
tttcaaggga atttgtcaaa taatgctgtt tagctaattg ttgcaagcaa ttgcatatta 2400
acagctgtga ttttgttgga cagcaagtat tatggccaaa gccagtttct tggcatttca 2460
aaaataatgc aataaaaact agttgaggtt agctgaggct ggaaatgcct ttttcatggt 2520
aaatgattca cttctatatt tttctttctt tttctttttt tttytttggt tttcatcctg 2580
gattcatccc ctgatcttaa atcaaaacgt cagatcaatg aactatgaac taaagtattt 2640
ttcttaagcc tattgagtga tttatttttt aaaaaatgtt taaatgcata tgcttttctt 2700
tcagcacaaa caacagcaaa aacttttgta ataactaact tacctttgca tgtatgaaga 2760
actgagtcat ttatttccct aacttactcc tctttcaagt aacaggtggc agatcataaa 2820
atgaattctt tattgtatct acacactcca cattctttac tgtgtcctac tactgtatct 2880
tggctccctg ctgtattaaa caccatctta agcacttgtt cctgcaggac tccttcttga 2940
cattttgtct ccccttcaa agtcactcaa agagtgggac ttcatcaaaa gaaatgaatt 3000
agtctctatc acaccgaata ctaagattta tttcctctga tggtacatag atttctctct 3060
cactaagagg gtcactctca tagaggaatg tcttgtcagt tttatacttg ctgaggctag 3120
actgacaata aaaatgagct gggcagttaa attagcattt gttactatat tggcctataa 3180
aggatcaggt tgatgataat acctctaaaa atatgcaata ataaaacaat agttatgaaa 3240
gaaacttgaa aggtttgcaa ggtttctcct atccctgtta aaattatcat ttattatctc 3300
tttgtcagtg ttagtaaggt aacccatgac agaataattt gagtgatagt tcatcatgca 3360
gaggatatga tcaagatatt acctaatggt tttatcctga aaaaggtgta tacttttagg 3420
gcactgttaa caatgcgagt gaaaccaaga tggtgcaagt tccctttgca gatggcgtgg 3480
gcacacttga tttttattat gagtgaatgt aatctttctg tattttacca gagttacagc 3540
aattacctga aaagtttcct aacattttaa taatgttagg gatttcgttt tggttttagt 3600
tgtcctcaag agacaacagg ttcacagtaa tttccatgat gttgggtgtg gctaagctgg 3660
ggattggttc tgttcccccc gctcccgtgt agagaaaagc tatatttata ctgcattctt 3720
tctcaacttt caggtaaaac aaactatgat ttaaaaaaar aaaaaagaaa agacaggtac 3780
ttttacttca aagagtgctt tgytacattt ttatttaaac caaaaatcaa ataaaataag 3840
gaggggggct gggtatactt taaacaaaac cagtcctgaa atgctgttay tctcaaagtm 3900
cattccaaaa a 3911

<210> 1926
<211> 1041
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 1926
aaaagtnaaa aggaaacaac gggtgacctt aattcaaata ttcctaccac catagctaca 60
aaataaaaaa aactaattca acaaatgtac ttatytaacc caatatatcc caacaattat 120
tgcagcacat aatcaatata aacattatat atatgaacta tttgacacta tttgacattt 180
cttcttccac atccagtgta tctgacattt agcgcacatt tgatttgcac tcacccactt 240
tgaggagctc aattgccgct taagtccgtg gctagtggct gccctaaagt tcagcaccgc 300
cacggagctt tgggtccacc cggactgtaa aaaggaagca cttccgttag catgacccgg 360
cctgaagtag cggcggaacg gaagtcgctt gtgtatgaac gcagcggcgg acctgtgagg 420
ggatccgact tgccggcaga acttacgctg cgggaccccg ggcactgttg ctgctgcggg 480
agactgtggg ctgtttagtg ccatgcaccc tttacagtgt gtcctccaag tgcagaggtc 540
tctggggtgg ggaccattgg cctctgtgtc ttggctgtcg ctgaggatgt gcagggcaca 600
cagcagtctc tctagtacca tgtgtcccag tccagagagg caggaggatg gagctcggaa 660
ggatttcagc tccaggctgg ctgctggacc gacttttcaa catttttaa aaagtgcctc 720
agctcctcag gagaagctgt cttcagaagt ggaagaccca cctccctatc tcatgatgga 780
tgaacttctt ggaaggcaga gaaaagtcta cctcgagacc tatggctgcc agatgaatgt 840
gaatgacaca gagatagcct ggtccatctt acagaagagt ggctacctgc ggaccagtaa 900
cctccaagag gcagatgtga ttctcctgkc acrtgctcta tcagggagaa rgctgagcag 960
accatctgga accgttacay agsttaaagc ttgaaacaag cggcccgytc cgggttccty 1020
gaggatggaa ttaggttgat g 1041

<210> 1927
<211> 2310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2309)
<223> n equals a,t,g, or c

<400> 1927
ttttttttt tctgttcaaa aaaggtttta tccaaaaaag ttaatcaaga caagcaacag 60
atactgcaaa gcattatata cagcaccata gtccaggggc caaagaaatc aggaggggct 120
gggcagtaga ggaattccat atattaatga atgtgagatt aagtatagag tgaagacatt 180
aacacacaat tctaatttct gttaggcaga atgctcccct accctgatgc cacagccttt 240
cacgtttcct aaaccctagt aacctctgat ctccatctgc ctcatcaaca cgtcaccacc 300
ctttgctctt cttccaatta gtcacatgtt ggctgaattt atttcactcc agtactttag 360
gaccttgaca gacaaatcga ttacaaggtc aattcccagg atttcttcag ggtgtgttca 420
ggagtgcaga tgttctttgg atgacctttc tactaaatta gacctctgaa ggagaaagct 480
acttgccaga ggctttccct gagagcatta ggttgggcaa aatctgacta aaatttaatt 540

actaaatgaa agtgtgtacc ttagagttcc tggccagagt tgactctagg tagtgatgtg 600
attttcttgg gatgtttttc taaatattct tttatgctaa agcacatggc ttgatacttc 660
tgttgattaa gctcgtgtct acttacagtc atctagtgag aacctgtggt gtggtgagat 720
gataacttgg tctttggtct tcatcatttg aactagtttt ggttttgtct tgtcccttcc 780
ttgagcattt tgtgtgtgtt taatcctatt tggtaaacga accactgtga aagaccaagt 840
tggagaaaac agaacacccc caaaacattt atttttttt ttagaaaatc atggctcact 900
atggtagtat acaatattgt tttcacacat gtacacttga aaccaaattt cccataatcc 960
cctacatccc tactctcatc actcagctta cacagaagct attagctgtt agtaagaacc 1020
caagcaaacc tcactttaat cactacatgt ttgaagcaat atgtttatcc ataagaataa 1080
cttgcaaagc taaccctgct gctgttgtaa attttgagga ggctttgttt ttggtgttta 1140
ctgaaatctt acaaaatgat gtgcaagaat ttattccata cgtctttcaa gtgatgtctt 1200
tgcttctgga aacacacaaa aatgacatcc cgtcttccta tatggcctta tttcctcatc 1260
tccttcagcc agtgctttgg gaaagaacag gaaatattcc tgctctagtg aggcttcttc 1320
aagcattctt agaacgcggt tcaaacacaa tagcaagtgc tgcagctgac aaaattcctg 1380
ggttactagg tgtctttcag aagctgattg catccaaagc aaatgaccac caaggttttt 1440
atcttctaaa cagtataata gagcacatgc ctcctgaatc agttgaccaa tataggaaac 1500
aaatcttcat tctgctattc cagagacttc agaattccaa aacaaccaag tttatcaaga 1560
gtttttagt ctttattaat ttgtattgca taaaatatgg ggcactagca ctacaagaaa 1620
tatttgatgg tatacaacca aaaatgtttg gaatggtttt ggaaaaaatt attattcctg 1680
aaattcagaa ggtatctgga aatgtagaga aaaagatctg tgcggttggc ataaccaaat 1740
tactaacaga atgtccccca atgatggaca ctgagtatac caaactgtgg actccattat 1800
tacagtcttt gattggtctt tttgagttac ccgaagatga taccattcct gatgaggaac 1860
attttattga catagaagat acaccaggat atcagactgc cttctcacag ttggcatttg 1920
ctgggaaaaa agagcatgat cctgtaggtc aaatggtgaa taaccccaaa attcacctgg 1980
cacagtcact tcacaagttg tctaccgcct gtccaggaag ggttccatca atggtgagca 2040
ccagcctgaa tgcagaagcg ctccagtatc tccaagggta ccttcaggca gccagtgtga 2100
cactgcttta aactgcattt ttctaatggg ctaaacccag atggtttcct aggaaatcac 2160
aggcttctga gcacagctgc attaaaacaa aggaagttyt ccttttgaac ttgtcacgaa 2220
ttccatcttg taaaggatat taaatgttgc tttaacctga aaaaaaaaaa aaaaaaaggg 2280
sggccggacc caatttnccc taaangggng 2310

<210> 1928
<211> 421
<212> DNA
<213> Homo sapiens

<400> 1928
gtgctgccgc ctcccgtcgc ccctgcgctc agaggtcccg aaccagccca gccgctgcct 60
cttgccgctc cgcctttgga gtgaggaggg cgcagcccgc gtcagaactt agagggccag 120
gcagggtcgc gcgcatggcc tgggcgggct cgcggcgggt cccagctggg acgcgcgcgg 180
cagccgagcg ctgctgccgg ctctcgctca gcccgggcgc gcaaccggcc cgccccaggc 240
cctctgcacc gccgcgacca atgaggtttc tgacctcctg carcctcctc ttgcctcggg 300
ctgcccagat cttggcggst gargctggct taccttcgas ccgttcctty atgggatttg 360
ctgctccctt caccaacaag cgaaaggctt actcggagcg tagaatcatg gggtactcaa 420
t 421

<210> 1929
<211> 1283
<212> DNA
<213> Homo sapiens

<400> 1929
gcacggcgca gtgaatacaa gaaaggggca ctattttaac acaacctttt cccgtgatca 60
ccaccgaaaa ttactgacga gtcaatcacc tcagatctct caagcagtcc agcctacgca 120
acagtactcc acctctgcgc ctgtgcgggg agggtaaggc ggggccagca acttcctcag 180
ctggagggag agcgcacggt ggagccgcca gttgagaagg actctgatcc ggctcagctt 240
tccaatcagc tgcggaagga gccacgcttt cgggggttgc aagatggcgg ccaccagtgg 300
aactgatgag ccggtttccg gggagttggt gtctgtggca catgcgcttt ctctcccagc 360
agagtcgtat ggcaacgatc ctgacattga gatggcttgg gccatgagag caatgcagca 420
tgctgaagtc tattacaagc tgatttcatc agttgaccca cagttcctga aactcaccaa 480
agtagatgac caaatttact ctgagttccg gaaaaatttt gagaccctta ggatagatgt 540
gttggaccca gaagaactca agtcagaatc agccaaagag aagtggaggc cattctgctt 600
gaagtttaat gggattgttg aagacttcaa ctatggtact ttgctgcgac tagattgttc 660
tcagggctac actgaggaaa acaccatctt tgcccccagg atacaattct ttgccattga 720
aattgctcgg aaccgggaag gctataacaa agctgtttat atcagtgttc aggacaaaga 780
aggagagaaa ggagtcaaca atggaggaga aaaaagagct gacagtggag aagaagagaa 840
caccaagaat ggaggagaga aaggagctga tagtggagaa gaaaaagagg aaggaatcaa 900
cagagaagac aaaactgaca aaggaggaga aaaagggaaa gaagctgaca aagaaatcaa 960
caaaagtggt gaaaaagcta tgtaaggtat acagggaaca gcactctaga agctatgact 1020
caattgagac tacaagtacc acggtgctac ttgcacagac ccctttggtt aaatgtaaat 1080
tcttgtacaa ttgaaggata cgcagaagga catctttcta gtctaacagt caggagctgc 1140
tctggtcatt cccttgtatg aactggtcta aagactgtta gtggggtgtt agttgatttt 1200
tcctggtata ctgtttcttg gctgacacta ctggtcaagt aagaaatttg taaataaatt 1260
tcttttggtt cttattatct aaa 1283

<210> 1930
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (667)
<223> n equals a,t,g, or c

<400> 1930
gaatgatcag tatacaagat acagtatttt ctagaaaaac tgtctctgat tctggacaaa 60

gctcagttat agttacgaga aagatatggt acagggagga aaatactgcc ttttttttt 120
ttttaaagag attttcagac taaatagaaa tgtcaaaatg atgtatcaat ggttcttttt 180
tagaacaagt tttcaaagca taaaaagagg ttgagagaaa taacatattt attgattcac 240
ataagtatgt ttttcttcat taatcgtctg gagaaaccca cttgtcatta atttgttttg 300
ggctaggttt tcaaacttac caaattgctt taaaaaagca atttggaagg taatttgata 360
ggctttccaa cttaaccaaa ttttttattg taattcttgg atagtatttt tgtcttttc 420
aattcatttg tctttttcag tatagttttt gttaaggcaa atgtcttccc ttaatatcca 480
aatattgcta ataaacggta gaagatgctt tnggaaatta aaattatctc gctgktggtt 540
agacttaaca ctgktaatct tyagccaaat atcacatatg gatcaaatta ttttctnttt 600
tgttgtttac ctatcctcaa caacattttt agtttaaatt attgtaaana tttttttgtg 660
ggtggtnatt tttatttgct ccaaaataat aaggtgcaaa ctattttatg cttaactgtt 720
gctctgtcaa aacactatgc atggattgca tttgaaaaaa aa 762

<210> 1931
<211> 1633
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1605)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1618)
<223> n equals a,t,g, or c

<400> 1931
tgcctctnat tttaggctga ggccgtccaa agcggccatg ccccatgttt ccactagatg 60
gcgctgacac ttcaggcatc aaccctcatg gcctctcagc cttgcaaagg cagccactta 120
aagtcggtgt cctgtgtggg gcaccaagct gagctgcaga cacccagtag gcgcgaggca 180
aatgcgtccc attttaagag gcttgtattt atgagctctt tgcttcctcc ctcccactaw 240
ctttaaagaa ttgctctcca tctcctttgg caaagttcct ttgccctttg tcttattttt 300
gtgaaacctc caaggtattt ccagtccatt tgcatccaat ctggcatctt tacggagagc 360
ggtctcatat gctattgttg ttaacgtgga ctagtattta tgtgttgaga acactggctg 420
tttgtmagga aaagtgtgcc aaaacaaaga gtacggccgg ccctggaaat gcatcagcaa 480
aacccatttc ccccgtgcac tcattctgag cttccttcct tcatttctgt cattactgct 540
gagaactgga ctgtgcccag ctgacctttc ccttccttgc cctcatcttg ctgccagggt 600
ctgcaggttt gccaccgtcc cggccccagt ctgaaacatg ggattatttc agaattggag 660
gtggcagctt cagaaaaaaa tccttctcgt gtgttgactg ctgagatcca ggaactggga 720

aatcaacccc cagtttgtag attgctctct ttggaaattc tgtggcccaa cctcgtggct 780
gttttctgga attccttcta tcggggcaga cagtgctgtg cctttcttga cttcaggatg 840
ttccaaggat gctgctggat ctgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc 900
gtgcgtgcgt gtatgtgcgc ctgaccctga tttctgcaac ctccagattt ctttcttgac 960
ccttcaaagt ggaacagtcc agtgccaaaa attttagagt ttgagaaggt cacagaaatc 1020
ctctagttgg tgcctccaca gtcttcattt tacagaggaa ctcagggcta atggagttaa 1080
tgcaactaga tcagggtttt gggtctgtgt tctttctacc gtcagcacct gtgtggtcaa 1140
ttctggacac ttcccagaga agtctttgag tagagaatcc tactcaaatt tcactgtata 1200
ttttaagcat tcctctcctt tccctttgcc tcccctgttg ccttttcttc ccctgatttc 1260
tcctctggtc atctcctctc ccttctgcgt gtaagccatg ggaaagggat gagggaggac 1320
agcttctggt taaacacagg tccctcttcc acatcaaatg aacattggct tcctgggaca 1380
gaaggccttc aaaggaggga ttgcaaagca aggcaaagcg ttctgtcttc attttcccca 1440
tccccatgag acaagactga tggaaagggt ggtggggcaa cactgcttaa tggatgcctt 1500
ttcacatcat ttcagttttt agccctcatg actgtatttt ctaatcagag acaataacat 1560
tttaaataaa acaacgacaa agaaaaaaaa aaaaaaaagg gggcnnccct caaaggancc 1620
aacctttctt acg 1633

<210> 1932
<211> 1126
<212> DNA
<213> Homo sapiens

<400> 1932
ttcgtttagg tcggctggaa attatgtcct ccgtcggttt tccgcagttt ttccaccaag 60
cgagatattt ttgggagtta ttccctaaat aactgcatta tatgctcctt tcatgacgaa 120
attgctgccg tggagaagac tggaggaaac tcgaggaaga gggagaagcc gacaagtgct 180
cgacgggcta ggaactgtcc tgcttgggtg ttagcgtttc ccgycgggcc agtaaggctg 240
agtgasccgg cgtggctact aggagaagga cgtacggtcc tgctagtaga ggaatatgtc 300
gagtttctct agggcgcccc agcaatgggc cacttttgct agaatatggt atctcttaga 360
tgggaaaatg cagccacctg gcaaacttgc tgctatggca tctataagac ttcagggatt 420
acataaacct gtgtaccatg cactgagtga ctgtggggat catgttgtta taatgaacac 480
aagacacatt gcattttctg gaaacaaatg ggaacaaaaa gtatactctt cgcatactgg 540
ctacccaggt ggatttagac aagtaacagc tgctcagctt cacctgaggg atccagtggc 600
aattgtaaaa ctagctattt atggcatgct gccaaaaaac cttcacagaa gaacaatgat 660
ggaaaggttg catcttttc cagatgagta tattccagaa gatattctta agaatttagt 720
agaggagctt cctcaaccac gaaaaatacc taaacgtcta gatgagtaca cacaagaaga 780
aatagacgcc ttcccaagat tgtggactcc acctgaagat tatcggctat aagagaataa 840
gaattgcaga aaataacagt gaagtgattg aaactttctt ctgatgagtt tctctaacct 900
acaggatgga gtaaaacaac tgctacagtt cagcacctgt tttatgtgcc gaatcactgt 960
ggggaaaggt caggaaggtg tagtccttca ataggaaatt gtaattaaaa tataatttta 1020
tagaaccatt tttatgtaat ctgatttgaa tgttatagtt gataataata aaatcactta 1080
cttggttgac tatttagtgt tgcatttaat gataaaaaac agaccc 1126

<210> 1933
<211> 1797
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (378)

<223> n equals a,t,g, or c

<400> 1933
attctcaaaa gagtattaca ggcgtgacac cactcttggc ccagcctgtg ggttttgatg 60
gggatgtctt ggctgctgtc ttggaggcac agtgtctccc catgtgtgtg tttcttggcc 120
cagagtgact cccagtattc ctagtccttc cccacaggat agtcacatcc attatttact 180
tttgttgtca gctgggaggg gaaactgaag cctggacacg tctccccaag ggctcagtgt 240
tcatgggtgt gtaagatcca ttgactggac cccagaaagc accctgaggg gcagtgcaga 300
gagagcccag gaagcccctc cactagagga ggcccttggt ctggctgagg accacgtcac 360
cctgggcctc cagsctgnct tttcacatta aaggcggggc agtctcctct caaaggagtt 420
ctcccttgag cactttgggc tctggggcag agttgggcta ggagatctgg gtgaatcctt 480
tagtcacagc tagtctcatg ttcctcttct gtcaaagggg tcatggcccc agtgtgtcct 540
acctcagagt tgtcagggtc aaagtaacag gcactgggac aaatatgaag cctagctttg 600
tgcttccttt caaattcagg gcctcctttc tactccattc cagcctttt ttcctgtcag 660
aatccctcag gaaggacctt tatcttctgg agtgagtggc agttccactg ggttcagtga 720
aagagtcgcc catggggctc tgttccccag gagtcctttg tattttggtg aacaaattct 780
taccaaagca tgagattcgg actgtagaag ttcagactgc ctcagttcag actgcctcat 840
ggggcagtct ggaggtcagc tggcttctgg tgtctctcat cacaccactg cggacgctgt 900
ctgtagagca gccttggtgt gggtgactct gaagctggag tgatgggacc ccagctatcc 960
ttgtttttta ccgccttgtc tggcactgtg accacgcttc agggctgctt ctgggggtct 1020
tggtccctgg atgtgccatt tccttgccct tctgaccctc acacttcttc caaagtcttg 1080
agcagagttg ggggccaatg gtagcattgc tgtcatctct gggaggagag tgagtataca 1140
agtcagtgac agttcagcca ggctcccttg ggtttgggaa gaggcactgc ccttctgtgc 1200
tgtggatcct gcttgtctgc tctggagtcc ccccaccctt gccaggagct tcacaaacca 1260
gagacgggct gtcagcaaga gctcagacag gatgtggtgc aagtgcaggt gcacgagttt 1320
aaccctcagc tgcaggagct agtctcaggt gttctgggga tgcctcaggc taagaatttt 1380
gccgactttc tgggcttggt tggctaatgc caaatgcccc tgcttaaata tcacaaggtg 1440
ctgattctcc ttttttcttt ttttcatacc aatgtgctca aactttgagc taggtcttgt 1500
gagtttgcct agcactcaga cctgtttaag taacgttctt tacattgaaa caagtcaacc 1560
gaagctttgt ggtgcaggag ctgagggtgc cccagactca gtgggagccc tggttgggcc 1620
ccaaactctc ccagcagggt cctcggtttc ctcatttgtg aaataaatga gtgggccacg 1680
acgttaataa gcccaagaga actgtgaagg tggtagtccc ttgccctaat tggtgctcaa 1740
taaagttgtt ggcataaacg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1797

<210> 1934
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (335)
<223> n equals a,t,g, or c

<400> 1934
ttcaggtgac actcatagaa ggtacgcctg caggtaccgg tccgraattc ccgggtcgac 60
ccacgcgtcc gcacattagc aacaatgtac attaattttg gattttcatt ttcatgtttt 120
attttgtaaa tattatctga tgtttggagc ttgagtatac agactgtaaa tatagttctt 180
gtatttgtac taattctgat tcttttgctg tatagcctta gatgtgcaat gcagacacta 240
tctaactgtg tgtggtaacc ttgcgtcacg gagctgttag tgaacgaggt aaaaatаata 300
aaggtacagc cagtngcatc aaaaaaaaaa anaanaa 337

<210> 1935
<211> 1330
<212> DNA
<213> Homo sapiens

<400> 1935
gctgcgctcg gctgagtcag tcagtctgtc ggagtctgtc ctcggagcag gcggagtaaa 60
gggacttgag cgagccagtt gccggattat tctatttccc ctcctctct cccgccccgt 120
atctcttttc acccttctcc caccctcgct cgcgtagcca tggcggagcg tcggcggcca 180
ctcagtccca ttccatctcc tcgtcgtcct tcggagccga gccgtccgcg cccggcggcg 240
gcgggagccc aggagcctgc cccgccctgg ggacgaagag ctgcagctcc tcctgtgcgg 300
tgcacgatct gattttctgg agagatgtga agaagactgg gtttgtcttt ggcaccacgc 360
tgatcatgct gctttccctg gcagctttca gtgtcatcag tgtggtttct taccтcatcc 420
tggctcttct ctctgtcacc atcagcttca ggatctacaa gtccgtcatc caagctgtac 480
agaagtcaga agaaggccat ccattcaaag cctacctgga cgtagacatt actctgtcct 540
cagaagcttt ccataattac atgaatgctg ccatggtgca catcaacagg gccctgaaac 600
tcattattcg tctctttctg gtagaagatc tggttgactc cttgaagctg gctgtcttca 660
tgtggctgat gacctatgtt ggtgctgttt ttaacggaat cacccttcta attcttgctg 720
aactgctcat tttcagtgtc ccgattgtct atgagaagta caagacccag attgatcact 780
atgttggcat cgcccgagat cagaccaagt caattgttga aaagatccaa gcaaaactcc 840
ctggaatcgc caaaaaaaag gcagaataag tacatggaaa ccagaaatgc aacagttact 900
aaaacaccat ttaatagtta taacgtcgtt acttgtacta tgaaggaaaa tactcagtgt 960
cagcttgagc ctgcattcca agcttttttt ttaatttggt gttttctccc atcctttccc 1020
tttaaccctc agtatcaagc acaaaaattg atggactgat aaaagaacta tcttagaact 1080
cagaagaaga aagaatcawa ttcataggat aagtcaatac cttaatggtg gtagagcctt 1140
tacctgtagc ttgaaagggg aaagattgga ggtaagagag aaaatgaaag aacacctctg 1200
ggtccttctg tccagttttc agcactagtc ttactcagct atccattata gttttgccct 1260
taagaagtca tgattaactt atgaaaaaat tatttgggga caggagtgtg ataccttcct 1320
tggttttttc 1330

<210> 1936
<211> 678
<212> DNA
<213> Homo sapiens

<400> 1936
ccggcaggtg acaacggcaa catggccctg aacggagctg aagtcgacga cttctcctgg 60
gagcccccga ctgaggcgga gacgaaggtg ctgcaggcgc gacgggagcg gcaagatcgc 120
atctcccggc tcatgggcga ctatctgctg cgcggttacc gcatgctggg cgagacgtgt 180
gcggactgcg ggacgatcct cctccaagac aaacagcgga aaatctactg cgtggcttgt 240

caggaactcg actcagacgt ggataaagat aatcccgctc tgaatgccca ggctgccctc 300
tcccaagctc gggagcacca gctggcctca gcctcagagc tccccctggg ctctcgacct 360
gcgccccagc ccccagtacc tcgtccggag cactgtgagg gagctgcagc aggactcaag 420
gcagcccagg ggccacctgc tcctgctgtg cctccaaata cagatgtcat ggcctgcaca 480
cagacagccc tcttgcagaa gctgacctgg gcctctgctg aactgggctc tagcacctcc 540
ctggagacta gcatccagct gtgtggcctt atccgcgcat gtgcggaggc cctgcgcagc 600
ctgcagcagc tacagcacta agagaagccc ctgagaaaaa ccctctagaa aaacaaaaaa 660
aaaaaaaaaa aaaaaaaa 678

<210> 1937
<211> 2428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2422)
<223> n equals a,t,g, or c

<400> 1937
ccgccgcccc cgcctgggcc gcgctccccc tctcccgctc cctccctccc tgctccaact 60
cctcctcctt ctccatgcct ctgttcctcc tgctcttact tgtcctgctc ctgctgctcg 120
aggacgctgg agcccagcaa ggtgatggat gtggacacac tgtactaggc cctgagagtg 180
gaacccttac atccataaac tacccacaga cctatcccaa cagcactgtt tgtgaatggg 240
agatccgtgt aaagatggga gagagagttc gcatcaaatt tggtgacttt gacattgaag 300
attctgattc ttgtcacttt aattacttga gaatttataa tggaattgga gtcagcagaa 360
ctgaaatagg caaatactgt ggtctggggt tgcaaatgaa ccattcaatt gaatcaaaag 420
gcaatgaaat cacattgctg ttcatgagtg gaatccatgt ttctggacgc ggatttttgg 480
cctcatactc tgttatagat aaacaagatc taattacttg tttggacact gcatccaatt 540
ttttggaacc tgagttcagt aagtactgcc cagctggttg tctgcttccy tttgctgaga 600
tatctggaac aattcctcat ggatatagag attcctcgcc attgtgcatg gctggtgtgc 660
atgcaggagt agtgtcaaac acgttgggcg gccaaatcag tgttgtaatt agtaaaggta 720
tyccctatta tgaaagttct ttggctaaca acgtcacatc tgtggtggga cacttatcta 780
caagtctttt tacatttaag acaagtggat gttatggaac actggggatg gagtctggtg 840
tgatcgcgga tcctcaaata acagcatcat ctgtgctgga gtggactgac cacacagggc 900
aagagaacag ttggaaaccc aaaaaagcca ggctgaaaaa acctggaccs ccttgggctg 960
cttttgccac tgatgaatac cagtggttac aaatagattt gaataaggaa aagaaaataa 1020
caggcattat aaccactgga atcaccatgg tggagcacaa ttactatgtg tctgcctaca 1080
gaatcctgta cagtgatgat gggcagaaat ggactgtgta cagagagcct ggtgtggagc 1140
aagataagat atttcaagga aacaaagatt atcaccagga tgtgcgtaat amctttttgc 1200
caccaattat tgcacgtttt attagagtga atcctaccca atggcagcag aaaattgcca 1260
tgaaaatgga gctgctcgga tgtcagttta ttcctaaagg tcgtcctcca aaacttactc 1320
aacctccacc tcctcggaac agcaatgacc tcaaaaacac tacagcccct ccaaaaatag 1380
ccaaaggtcg tgccccaaaa tttacgcaac cactacaacc tcgcagtagc aatgaatttc 1440
ctgcacagac agaacaaaca actgccagtc ctgatatcag aaatactacc gtaactccaa 1500
atgtaaccaa agatgtagcg ctggctgcag ttcttgtccc tgtgctggtc atggtcctca 1560
ctactctcat tctcatatta gtgtgtgctt ggcactggag aaacagaaag aaaaaaactg 1620
aaggcaccta tgacttacct tactgggacc gggcaggtaa ctcacgtggt ctttgcatct 1680
catttctatc agagggatgt cgctccccta caggggggcag tagtgaaaaa agagtcattc 1740
tctggcccag gtgaactccc cgacactgtt agaacaatgg cattactctt cagttctcac 1800
cattttacc cttctgcaaa gtctcttgta attcctaagt aatgaaatga aaagtacaaa 1860

tttcttaaaa caagctctgt tctttttctt ctggaaaact tgtgtagttt gtcctgtgta 1920
tctgtttctc atgaggagac cggctttctg tggcccacgt gaacactgag taagaaacaa 1980
aagactgtgg tctccaggac acagtgtgtg tttgtcctct gccatggtta ttcaccaagt 2040
ggagtccagc agtttaggaa tcgggaggtc tcccatgatg agttgtcatc ttctgaattg 2100
ctgcaagtga caccaaaggg gccccctac cagtttctca cttcccagtc tcactactgg 2160
atcagctctt aggagccagg agagttcact gctgtggcta ggatagaaaa gggcagctag 2220
tgccccaggg tagatcttgg aaaatatttt ttgggaaaaa tgtaattaag gccaccccta 2280
aaatagatac tgtatctggc tgtactatac taacagtgat ttgcctgcat gtgtttgata 2340
gagatttcta ccatgtactg cttggtgctg gatagtctat cacagcaara aaaaaaaaaa 2400
aaaaaactcg agggggggcc cngtaccc 2428

<210> 1938
<211> 922
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (849)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (893)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (909)
<223> n equals a,t,g, or c

<400> 1938
gtancngaca gtcacggtcg gattcccggg tcgacccacg cgtccggtcc gcagtgacta 60
cactcatggc aggtcccctg tggcggaccg cagcatttgt gcagagacac aggacaggcc 120
tcttggtggg ttcctgtgca ggcctgtttg gagttccagt ctcgtaccac ctcttcccgg 180
atcccgtggt ccaatggctc taccagtact ggcctcaggg ccasccagct ccgctccctc 240
cacagctgca gagcctcttc caagaggtgc tacaggacat aggtgttcct tcaggccatt 300
gctacaagcc cttcaccacc ttcaccttcc agcctgtgag tgcaggcttc ccaagactcc 360
ctgctggggc tgtggtgggc atccctgcca gtttcttggg agacctagtg atcaacacta 420
accatcccgt ggtcatacat gggcatacag tggamtkgcg gagccagcar gcgcccggct 480
gagagcttcc ctgaccttgt cccgtgaagc ccagaagttc gccttggcca gggaagtggt 540

gtacctggaa agcagtacca ctgccgtgca cgccctgctg gccccagctt gcctggcagg 600
gacctgggca ctgggcgtgg gtgccaagta caccctgggg ctccatgcag gccccatgaa 660
tttacgggct gccttcagct tggtggcagc agtggcaggc tttgtggcct acgccttctc 720
ccaggattct ctcactcatg ccgtggagtc ctggctggac cgccgcacgg cytccctctc 780
tgcagcctat gcctgtggtg gagtggagtt ctatgagaag cttctgtcgg gcaacctggc 840
cctgcgcant ctctttgggc aaaagaaggg ggagaagctg tatacaccca acngggaaca 900
tcgtccccna gacacttgtt cc 922

<210> 1939
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<400> 1939
tcccnacccc tcttcccccc actttgcctt acccccctcac ccctcaagac agatgccccc 60
ttgcctttta aaaagttgga ttttaaccga cgtgttgtag ggttcttggt ctgtgtgaag 120
gcagagacca gagagaagga agtgagccca ctgctctcct gggagcaatg tgggtgagtc 180
caccagaggc cctgctgtgt gtggccaata aattttagtc ttccccagcc ctcgaggcag 240
tgtgtgtgga tgtatgcgtg tggatattta tatatgtacc ctgcactcat gaatgtatga 300
actggaggaa gttactacag tggaagggtt cttaataaca aggtctacct agcatgaagt 360
atttaacatt ctcccatccc ttaaaaaata tacattttta taaaatgaaa accataataa 420
atgttttgaa tattaaaaaa aataataacc tacagaggaa aattaatgga gacagctatt 480
tgccttgtac tttttccaca attgttgctg ctagttgtac acatctctag ttcagctctt 540
gcccacggga cactcatcaa ttaggtttta tttttawttc tttcctctac ccccagaaac 600
aagcctgtta attttttttcc ttctcctctg gsgactgtgt gatgaaycct tycttgcgtg 660
atcaggttgc ggataractt gtaagggkgt ttgctgcata cagkgtwagc attgtgaccg 720
ccaataaact tcaatggttt ctaaaaaaaa aaaaaa 756

<210> 1940
<211> 1884
<212> DNA
<213> Homo sapiens

<400> 1940
aggctgatta tttactgtct agaatggatg ttaccagctg catctcttac cgaaattttg 60
caagttgtat gggagactcc cgtttgttga ataaggttga tgcttatatt caggagcatt 120
tgttacaaat ttctgaagag gaggagtttc ttaagcttcc aaggctaaag ttggaggtaa 180
tgcttgaaga taatgtttgc ttgcccagca atggcaaatt atatacaaag gtaatcaact 240
gggtgcagcg takcatctgg gagaatggag acagtctggw wgwgctgatg gaagaggttc 300
aaaccttgta ctactcagct gatcacaagc tgcttgatgg gaacctacta gatggacagg 360
ctgaggtgtt tggcagtgat gatgaccaca ttcagtttgt gcagaaaaag ccaccacgtg 420
agaatggcca taagcagata agtagcagtt caactggatg tctctcttct ccaaatgcta 480
cagtacaaag ccctaagcat gagtggaaaa tcgttgcttc agaaaagact tcaaataaca 540
cttacttgtg cctggctgtg ctggatggta tattctgtgt catttttctt catgggagaa 600
acagcccaca gagctcacca acaagtactc caaaactaag taagagttta agctttgaga 660
tgcaacaaga tgagctaatc gaaaagccca tgtctcctat gcagtacgca cgatctggtc 720

tgggaacagc agagatgaat ggcaaactca tagctgcagg tggctataac agagaggaat 780
gtcttcgaac agtcgaatgc tataatccac atacagatca ctggtccttt cttgctccca 840
tgagaacacc aagagcccga tttcaaatgg ctgtactcat gggccagctc tatgtggtag 900
gtggatcaaa tggccactca gatgacctga gttgtggaga gatgtatgat tcaaacatag 960
atgactggat tcctgttcca gaattgagaa ctaaccgttg taatgcagga gtgtgtgctc 1020
tgaatggaaa gttatacatc gttggtggct ctgatccata tggtcaaaaa ggactgaaaa 1080
attgtgatgt atttgatcct gtaacaaagt tgtggacaag ctgtgcccct cttaacattc 1140
ggagacacca gtctgcagtc tgtgagcttg gtggttattt gtacataatc ggaggtgcag 1200
aatcttggaa ttgtctgaac acagtagaac gatacaatcc tgaaaataat acctggactt 1260
taattgcacc catgaatgtg gctaggcgag gagctggagt ggctgttctt aatggaaaac 1320
tgtttgtatg tggtggcttt gatggttctc atgccatcag ttgtgtggaa atgtatgatc 1380
caactagaaa tgaatggaag atgatgggaa atatgacttc accaaggagc aatgctggga 1440
ttgcaactgt agggaacacc atttatgcag tgggaggatt cgatggcaat gaatttctga 1500
atacggtgga agtctataac cttgagtcaa atgaatggag cccctataca aagatttcc 1560
agttttaaca aatttaagac cctctcaaac taacaggctt agtgatgtaa ttatggttag 1620
yagaggtaca cttgtgaata aagagggtgg gtgggtatag atgttgctaa cagcaacaca 1680
aagcttttgc atattgcata ctattaaaca tgctgtacat acttttgggg tttatttgga 1740
aaggaatgca aagatgaagg tctgttttgt gtacttttaa gactttggtt attttacttt 1800
ttggaaaaga ataaaccaag aattgattgg gcacatcaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaagggcgg ccgctcaaga gtat 1884

<210> 1941
<211> 2731
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1629)
<223> n equals a,t,g, or c

<400> 1941
aaggcgtctg gagtttaatg ttacttggtg atatgagact tncattcttn caggtggaag 60
atgagctcag ctccccagtg gtggtgttca gatttttcca ggaattacca ggctcagatc 120
cggtgtttaa agccgtccca gtgcccaaca tgacaccttc aggagtcggc cgggagaggc 180
actcgtgtga cgcgctgaat cgctggctgg gagaacagct gaagcagctg gtgcctgcaa 240
gcggcctcac agtcatggat ctggaagctg agggcacgtg tttgcggttc agccctttga 300
tgaccgcagc agttttagga actcggggag aggatgtgga tcagctcgta gcctgcatag 360
aaagcaaact gccagtgctg tgctgtacgc tccagttgcg tgaagagttc aagcaggaag 420
tggaagcaac agcaggtctc ctatatgttg atgaccctaa ctggtctgga atagggggttg 480
tcaggtatga acatgctaat gatgataaga gcagtttgaa atcagatccc gaaggggaaa 540

acatccatgc tggactcctg aagaagttaa atgaactgga atctgaccta acctttaaaa 600
taggccctga gtataagagc atgaagagct gcctttatgt cggcatggcg agcgacaacg 660
tcgatgctgc tgagctcgtg gagaccattg cggccacagc ccgggagata gaggagaact 720
cgaggcttct ggaaaacatg acagaagtgg ttcggaaagg cattcaggaa gctcaagtgg 780
agctgcagaa ggcaagtgaa gaacggcttc tggaagaggg ggtgttgcgg cagatccctg 840
tagtgggctc cgtgctgaat tggttttctc cggtccaggc tttacagaag ggaagaactt 900
ttaacttgac agcaggctct ctggagtcca cagaacccat atatgtctac aaagcacaag 960
gtgcaggagt cacgctgcct ccaacgccct cgggcagtcg caccaagcag aggcttccag 1020
gccagaagcc ttttaaaagg tccctgcgag gttcagatgc tttgagtgag accagctcag 1080
tcagtcacat tgaagactta gaaaaggtgg agcgcctatc cagtgggccg gagcagatca 1140
ccctcgaggc cagcagcact gagggacacc caggggctcc cagccctcag cacaccgacc 1200
agaccgaggc cttccagaaa ggggtcccac acccagaaga tgaccactca caggtagaag 1260
gaccggagag cttaagatga gactcattgt gtggtttgag actgtactga gtattgtttc 1320
agggaagatg aagttctatt ggaaatgtga actgtgccac atactaatat aaattactgt 1380
tgtttgtgct tcactgggat tttggcacaa atatgtgcct gaaaggtagg ctttctagga 1440
ggggagtcag cttgtctaac ttcatgtaca tgtagaacca catgtttgct gtcctactac 1500
gacttttccc taagttacca taaacacatt ttattcacaa aaaacacttc gaatttcaag 1560
tgtctaccag tagcaccctt gctctttcta aacataagcc taagtatatg aggttgcccg 1620
tggcaactnt tttggtaaaa cagcttttca ttagcactct ccaggttctc tgcaacactt 1680
cacagaggcg agactggctg tatcctttgc tgtcggtctt tagtacgatc aagttgcaat 1740
atacagtggg actgctagac ttgaaggaga gcagtgattg tgggattgta aataagagca 1800
tcagaagccc tccccagcta ctgctcttcg tggagactta gtaaggactg tgtctacttg 1860
agctgtggca aggctgctgt ctgggactgt cctctgccac aaggccattt ctcccattat 1920
ataccgtttg taaagagaaa ctgtaaagtc tcctcctgac catatatttt taaatactgg 1980
caaagctttt aaaattggca cacaagtaca gactgtgctc atttctgttt agtatctgaa 2040
aacctgatag atgctaccct taagagcttg ctcttccgtg tgctacgtag cacccacctg 2100
gttaaaatct gaaaacaagt acccctttga cctgtctccc actgaagctt ctactgccct 2160
ggcagctcgc ctgggcccaa ctcagaaaca ggagccagca gagcactctc tcacgctgat 2220
ccagccgggc accctgctta agtcagtaga agctcgctgg cactgcccgt tcctactttt 2280
ccgaagtact gcgtcacttt gtcgtaagta atggcccctg tgccttctta atccagcagt 2340
caagcttttg ggagacctga aaatgggaaa attcacactg ggtttctgga ctgtagtatt 2400
ggaagcctta gttatagtat attaagccta taattatact ctgatttgat gggatttttg 2460
acatttacac ttgtcaaaat gcaggggttt ttttttggtg cagatgatta aacagtcttc 2520
cctatttggt gcaatgaagt atagcagata aaatgggggga ggggtaaatt atcaccttca 2580
agaaaattac atgtttttat atatatttgg aattgttaaa ttggttttgc tgaaacattt 2640
caccccttgag atattatttg aatgttggtt tcaataaagg ttcttgaaat tgttaaaaaa 2700
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2731

<210> 1942
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 1942
ctggagtaag gtgctgcgga cgacgcgncc tgggaggata aggatgaatt tttagatgtg 60
atctactggt tccgacagat cattgctgtg gtcctgggtg tcatttgggg agttttgcca 120
ttacgagggt tcttgggaat agcagggtaa gtcttgggta tcttatattt tcatggtatc 180
atttcttttt aaatagaggc tttttttcct gttacaggaa aggccattgc tgctctggna 240
gctgtgtgtg tgtgtratga ctaaagcaaa gaagcagccc tacagtggca ctcctgggtc 300
tggtgcacca ctcctcagga gcatctcara ttctgcctga tcaatgcagg agtcctgtac 360
ctctacttca gcaattacct acagattgat gaggaagawt atggtggcac gtgggagctc 420
acgarggaag ggtttatgac cyctttgcc ttgttcaggt cattggatca tcttttacac 480
tgccatccat tagnactgat ggtgtacagc tcccaatgct ccctatccag tccaaaggac 540
cctcttggat tacagcacag gaacttggat cgttggggaa cccagcccct tgggaacttg 600
gaagacccgt gtttccggga ccgcgaatca gtgtgttggg gcatcagtgt tttctgacaa 660
gggttgtgac ctggaaactt tttaaaaacc acccaccttt gggggaagca tttctggaat 720
tatccatcac caaccattct tcttgggat 749

<210> 1943
<211> 1222
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1219)
<223> n equals a,t,g, or c

<400> 1943
ggcccccttt ggctctgtag agccggcgga accgggtagc ttggccaggt tgtgaggaac 60
cgcagcgcgc cgcaggaccg ggccgctgag cctgcagccg ccccgcgccg tgacctgcga 120
ccctagaccc cgactccctt tggctcagcc cgcgcgcccc aggcccggcc cgggcggcgc 180
gacgggagga tgagcggcgg gcggcggaag gaggagccgc ctcagccgca gctggccaac 240
ggggccctca aagtctccgt ctggagtaag gtgctgcgga gcgacgcggc ctgggaggat 300
aaggatgaat ttttagatgt gatctactgg ttccgacaga tcattgctgt ggtcctgggt 360
gtcatttggg gagttttgcc attacgaggg ttcttgggaa tagcaggatt ctgcctgatc 420
aatgcaggag tcctgtacct ctacttcagc aattacctac agattgatga ggaagaatat 480
ggtggcacgt gggagctcac gaaggaaggg tttatgacct cttttgcctt gttcatggtc 540
atttggatca tcttttacac tgccatccat tatgactgat ggtgtacagc tcccaagtgc 600
tccctatcca gtccaaagga ccctcttgat tacagcacag gaacttgatc gttggggaac 660
cccagcccct tggaacttgg aagacccgtg tttcctggac cgcgaatcag tgtgttgggc 720
atcagtgttt tctgcaaggg ttgtgacctg aaacttttta aaaaccaccc acctttgggg 780
aagcatttct gaatttatcc atcaccaacc atttcttctt ggataccatc aagtaacagc 840
tattatttgc caagtggagc tgtcatttaa tttgatgcac ctctggattc agatgaaaca 900
ttaaattgtc ttcctcgatt ctccatcggg tgtagagttt ttaaactatc aatggcattt 960
caagtcttct gaaacagcat ggctgtatgt gcgtggtcca tagcacagta catgcagcat 1020
ctaataagag tttccattgt agaatgtttt cacatacttg aataaatcaa atctttaatt 1080
gagaaaaaaa aaaaaaaaar rccggccgct ctagagggat cccaagctta cgtacgcgtg 1140
ccatgccaac ggcataagct tcttttatag ggggcaccta aantcnaatt cactgggccg 1200
cgtttttaca acggcnngna ct 1222

<210> 1944
<211> 2786
<212> DNA
<213> Homo sapiens

<400> 1944
ggtggtcggc ggcggcggcg gcggcggcgg cggcacagag ccggtggtgg agccgccgag 60
gagggtcacg cagcacaatg ccagctctgc ccctggacca actccagatc acccacaagg 120
acccgaagac aggaaagctg aggacttcac cagcgctgca ccccgagcag aaggcagacc 180
ggtattttgt gttatacaaa ccgcccccta aagacaacat tcccgcccta gtggaggagt 240
acctggaacg cgccaccttc gtagccaatg acctcgactg gctcctggcc ttgcctcacg 300
ataaattctg gtgccaggtg atctttgacg agactctaca gaagtgcctg gactcctacc 360
tgcgctatgt cccccgcaaa ttcgacgagg gggtggcctc agcccctgag gttgttgaca 420
tgcagaagcg cctccatcga agtgtttttc tcaccttcct ccgcatgtcc actcacaagg 480
aatccaaaga tcacttcatt tcccccttctg cgtttggaga aatcctctac aataacttcc 540
tctttgacat tccaaagatc ctggacctct gcgtgctctt tggaaaaggc aactcaccac 600
tgctccagaa gatgatagga aacatcttta cacagcagcc aagttactac agtgacctgg 660
atgaaaccct gcctaccatc cttcaggtct tcagcaatat cctccagcac tgtggtttgc 720
aaggggacgg ggccaatacc acaccccaga agcttgagga gaggggccga ttgaccccca 780
gtgacatgcc tctcctggaa ttaaaggaca ttgttctcta cctttgtgat acctgcacca 840
cactttgggc ctttctggat atcttccctt tggcttgcca gaccttccag aagcacgact 900
tttgttacag actagcttcc ttctacgaag cagcaattcc cgaaatggag tctgcaatta 960
agaagaggag gcttgaagat agcaagcttc ttggtgacct gtggcagagg ctctcccatt 1020
ccaggaagaa gctaatggag attttccaca tcatcctgaa ccagatctgc ctccttccca 1080
tcctagaaag cagctgtgac aacattcagg gcttcatcga agagttcctt cagatcttca 1140
gctccttgct gcaggagaag aggttcctcc gggactatga tgcactcttc cccgtggccg 1200
aagacatcag cttgctgcag caggcctcat cagtcttgga cgagacgcgg actgcctaca 1260

tcctccaggc agtcgagagt gcatgggaag gggtggacag acggaaagcc acagatgcta 1320
aagacccatc ggtgattgag gagcctaatg gggagcctaa cggggtcacg gtgacagcag 1380
aggcagtcag tcaagcatca tcacatccgg agaactcgga ggaagaggag tgcatgggag 1440
cagccgcggc tgtgggccct gccatgtgtg gggtggaact ggactctctc atctcccaag 1500
tgaaggacct gctgccagac cttggtgagg gcttcatcct ggcctgcctg gagtactacc 1560
actacgaccc agagcaggtg atcaacaata tcctggagga gcggctggcc cccaccctca 1620
gccagctgga ccgcaaccta gacagagaaa tgaaaccaga ccctacaccc ctgctgacgt 1680
ctcgccacaa cgtcttccag aatgacgagt ttgatgtgtt cagcagggac tcagtagacc 1740
tgagccgggt gcacaagggc aagagcacca ggaaggagga aaacacgcgg agtttgctga 1800
acgacaagcg tgcagtggcg gcacagcggc agcgctacga gcagtacagc gtggtggtgg 1860
aggaggtgcc actgcagcca ggcgagagcc tgccctacca cagtgtctac tacgaggatg 1920
agtacgatga cacatacgat ggcaaccagg tgggcgccaa tgatgcagac tctgatgacg 1980
agctcatcag ccgcaggcca ttcaccatcc ctcaggtgct gagaaccaaa gtgcctagag 2040
aagggcagga ggaggatgac gacgatgagg aagacgatgc tgacgaggag gctcccaagc 2100
ccgaccattt tgttcaggac cctgcagtgc tgagagagaa ggcagaagcc aggcgcatgg 2160
cctttctcgc caagaaaggg taccggcatg acagctcaac agcagtggcc ggcagccccc 2220
gaggccatgg gcagagccgc gagacaaccc aggaacgcag gaagaaggaa gccaacaagg 2280
cgacaagagc caaccacaac cggagaacca tggccgaccg caagaggagc aaaggcatga 2340
tcccatcctg agacctggtg cagggccagt ggggaggcag cggcaccaga ctcaccaggc 2400
cgcgctccca tcgcctgggg cctcctcact aggggcccca agttcaactc aacccctcaa 2460
cagcctcagc tttgcagccc ctgagaaggc cgcctctcat ctaccagcca gccatgagcg 2520
ccttcctgca gaacacacag tgccttatgc cacagccgaa gaatccgtgg ggccggcaag 2580
caggcacctt cccccagctg cgctagcggg aaagagatgg ggatggagtc ccaaggcaag 2640
cgccccaaac ctcgggccac aagacaccac ttccccttta ccctggacag caggaaacct 2700
gtatattcaa aaacacaaaa agtcctgcta ataaaatttt tgacccttc aaaaaaaaaa 2760
aaaaaaaaaa aaaaaaaaaa aaaaa 2786

<210> 1945
<211> 1483
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1478)
<223> n equals a,t,g, or c

<400> 1945
aattcggcac gagccgggct ctacccagag caagaccctg atggctgcgg tgtttctggt 60
aacgctttat gaatactcgc cgcttttcta catcgcggtg gtctttacct gcttcatcgt 120
gaccaccggc ctggtattgg gatggtttgg ttgggatgtt ccagtaattc tgagaaattc 180
agaagagacc cagttcagca caagagtttt caaaaagcaa atgagacaag tcaagaatcc 240
ttttggctta gagatcacta atccatcttc agcttcaatt acaactggca taaccttgac 300
aacagattgc cttgaagata gcctccttac atgctactgg gggtgcagtg ttcaaaaatt 360
atatgaagct ctgcagaagc atgtttattg cttcagaata agcactcccc aagcattaga 420
agatgctctg tatagtgaat atctctatca ggaacagtat tttattaaaa aggatagcaa 480

agaagaaata tattgccagt taccaagaga tactaaaatt gaagactttg gtacagtacc 540
cagatctcgc tatccattgg tagcgctatt gaccttagct gatgaggatg accgggaaat 600
ttatgatatt atttccatgg tgtcagtgat tcatattcct gataggactt ataaactatc 660
ctgcagaata ttgtatcaat atttactctt ggctcaaggt caatttcatg atcttaagca 720
acttttcatg tctgcaaata ataatttcac tccctccaac aattcctctt cagaagaaaa 780
aaacacagac agaagtttgt tggaaaaggt gggactctct gaaagtgaag ttgagccatc 840
ggaagagaac agcaaggact gtgttgtttg ccagaatggg actgtgaact gggtactctt 900
accatgcaga cacacatgcc tgtgtgatgg ctgtgtgaag tattttcagc agtgcccaat 960
gtgcaggcag tttgttcagg aatcttttgc actttgcagt caaaaagagc aagataaaga 1020
caaaccgaag actctttgaa gacatcgtaa cactgaaaag tacactttct actaaagatg 1080
cagaaattga tgatcttgga attcatcata acatggaatc tacagtactg accatcaatg 1140
aaaattatat tttaacttca tatttgtatg gtacttggat gataaaaatt aattattcct 1200
ttctgcttag tgaatgaata ctggaatcca tctgtgttga tacataaaaa ttcattcaac 1260
tcttgaaaag aatctaagag tttggccttt tattagctag atttcctctc atgttaatta 1320
gaaaaatcat tctgaaaggc aatccattga aaatttgagg aggttaaatt cttaagatca 1380
ctaaatgttt tacctttgat gttatcggga gtgcaattaa gaaaaaactt aattctactt 1440
aaagtaattg tgtgttcccc taatttatac aaanggantt ggg 1483

<210> 1946
<211> 1587
<212> DNA
<213> Homo sapiens

<400> 1946
aggaaatctc ggggtgcctt tactgtaaca agttatgctc ggctctcttt tattttacaa 60
gaggatggtg agggagagaa tggaagaaca gagggggcgg acgtataaga catttgacac 120
tgcctatgtc tgatttctct ttctttcttt ctttctttct ttctttcttt ctttctttct 180
ttcctttctt tctttcttgc aagctgtgat cggatgcaat ctttgtggga catttaaatg 240
gaagggttca ttgatgtgta ttgcttgcca agccaaaatg ttgcctttgg ggaaaaggga 300
gagaggtgtt catggagtgc agggaaagga ggttttgggg cagagatttt gacttaaaat 360
aaccagactt cttctggctg ctgaaaagag gcaaaagttt taaattgtca agtttaaaac 420
tatgttcagt tatgatttgc cacttctgaa tattattttg gatttcccct ttcatgctta 480
ttttgttcag aatcctaatg aatagaggtt gctggactca gggtaaaagc aggatgaact 540
ggagatggga catacaaggt acttttggaa ttgccataga ttacacctat aatcagagta 600
aatgtcatca acaaataatc aaaatatttt ttacatttgc tcttctaaaa tcagagccta 660
ttttaaatat aaaagaaagt agatgtgata ataatataaa ctacagtcac attaagttga 720
tattaaattc aaaatctaac atagatttgc actgttgggt gtgtgttccg aatcagtggg 780
ttttcccact gatgttgatt tcgggagcca ggcttcaatg tttaattcta ttgtaatgtg 840
gttatttagc ctgaatggtt ttataaggtg gaaaggcaaa aaatttaatt ccgaagaaaa 900
ctagtgtttt actatgactg tggtaaacat ttccaaagcc cacctgtggg aaatacaaag 960
ttttaatgct gtgtgttttt ttgtttttgt attttgtctc atcgacaaaa ctggcagaaa 1020
aaaacgcttt cgtatatttt tcctgctggg tggtcagaag gaaaggccgt gaagctaaag 1080
gtctcccact gagacgctgt tctgcaagga gccgacctca cgtgccgccg ccgccagaga 1140
agagagcacc tgttcatctc ggctcactgt gaggctgagc tcagcgctgg caggcgaggg 1200
gccgcaagca tcccccacag ccaccgagag ggcatccctg cagggaaatc atatccgaca 1260
tgcctgtgcc cacagcagac ttaagactgc ctctaaaatg tccatgaagc cattgtccag 1320
tagagctgtt agttttaaca ccagtgagta ttacctttgg ttaaaaggat gcatgtgtat 1380
aggtgtatgt gtgtgcgtgt gtgtttgtgt ttttggactt gtgtggagaa tgaagaaagg 1440
gttccattta ggcatttgca aatattcgat ggcatcatga aaagacaaaa aaatcctata 1500
aaatatatca tattttgcta tgattttgtg tgtacatgta ataaaattat taagtataaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaa 1587

<210> 1947
<211> 2007
<212> DNA
<213> Homo sapiens

<400> 1947
ggcacagctg aggaactgaa aagaaatgct gagacaggaa atctgcctca ttcgtaccgg 60
ctcatcagtg ttgtcagtca cattggtagc acttcttctt caggtcatta cattagtgat 120
gtatatgaca ttaagaagca agcgtggttt acttacaatg acctggaggt atcaaaaatc 180
caagaggctg ccgtgcagag tgatcgagat cggagtggct acgtcttctt ttatatgcac 240
aaggagatct ttgatgagct gctggaaaca gaaaagaact cttagtcact tagcacggaa 300
gtggggaaga ctacccgtca gsectcgtga ggaacaaact cctgggttgg cagcatgcac 360
tgcatatttg ttactgctgc ccacctcacc tttcctctgc tgaaggagaa tttggaattc 420
tacttgatgc gggagcaaca aacagctcag ggccaaacca aaagacaaaa attggagtaa 480
cgtagaatgc tccatgctat tttatggaaa ctttggtctc acatccgtag ctgattatcc 540
tctttttctc ctatgagtgg cacttctttt gtcttaggaa tacatgttgt aaatatatat 600
ctgtgtatgt gtgtatacac acacacagac acacacacac acacacggga tgaatggagc 660
cttaaagagt taggatgagc caccagaata tgcctgctca aaattaatag cacagcagtt 720
tggagaagaa atgaaggtgt caaagagtcc attcacctga gaaatgtgtg aagacatact 780
tatcagttgg cttttagctt ttatgttcct tgagtagttt cactcaagtc tgtaaccttt 840
tgtgtttcct tattagtaaa attcactgga aagccagctc ttcatgttac actaatgaca 900
gtttgttctc tttgcaagag aggggcatta ctgtcacctg acttgaggag ctgttttgtt 960
gttgttgttg tctgcaaatt tcatgaattt gtgatgtctt tgctgtttac atgcagtccc 1020
aagaaatgga ttgttggtgc tttggaatat gttacagtcc cacatttgat atttcttata 1080
tactttgttt tctctaagga gatttcttca cacagtatgt tcatcatata tcatcatcat 1140
tattatggtg gtaaagatag aatcttttt ctttttgtc attctgscat ggagcagcat 1200
taccctaatg gattgcaacc aaaactttaa acaagtagaa agataatatt tctccaattg 1260
ggactcccca gcaggaatac ttagggataa ggaagaatgc tagcatctct gtctctcara 1320
catagggagg ataagaagag tgktcttctg gtaaagctaa aattctggac cactgaagct 1380
aaaagcccta ttgcaagtat gaaattaagt acttgagcta taggacaaac cttgggcatt 1440
taaccattta ctgtctggct ttgcccttaa aatagggttg caattaaaat gtgattggct 1500
taggtaatcc caaaaactaa caaataacaa aggtgcataa tttatttatc tacttttag 1560
gtgctctgag ttgaggcaaa gtagagcggc aacattaagt gctatgctag tcacttagct 1620
gacgtaacca gcttggttaa gcagcttatg aaaccatata aagaattctt ttgaggatgg 1680
aattctgtcc acaaaataat tttgtgagcc cagatatcat taggatcaca cagagttaaa 1740
tatagaaaaa tgaaaccatc attatattct ttcgtgtttt ttcttttatt ataaacaagg 1800
ggattattct ttagttctca gaggtaggga caaaaccaca tcaggttttc agaaggaaaa 1860
aacatttaaa aacccaccat cacatgagag aatcacttga acccaggagg cagaggttgc 1920
agtgagctga gatcgcatca ttgcactgca gtctgagtga cagagtgaga ctccatctca 1980
ttaaaaaaaa aaaaaaaaaa actcgag 2007

<210> 1948
<211> 1250
<212> DNA
<213> Homo sapiens

<400> 1948
aattcggcac gagctctccc ttcggcttct ctctttcggc cggcgccgcc agttcctggg 60
gcacacccag aggtcccctt ctcgccgccg cctgcaactg cgagggtagc ccggggccgc 120
ttggagtcgc ccggacctga gaggctgctg cactgggcct cagccagccc tccggatgct 180

ggtgctgcca tccccctgcc ctcagcctct ggcattttcc tccgttgaga ccatggaggg 240
ccctccccgt cggacttgcc gctccccaga acctggacct tcctcctcca tcggatctcc 300
ccaggcttca tctcctccaa ggcccaacca ctacctgctt attgacactc agggtgtccc 360
ctacacagtg ctggtggacg aggagtcaca gagggagcca ggggccagtg gggctccagg 420
ccagaaaaag tgctacagct gccccgtgtg ctcaagggtc ttcgagtaca tgtcctacct 480
tcagcgacac agcatcaccc actcggaggt aaagcccttc gagtgtgaca tctgtgggaa 540
ggcattcaag cgcgccagcc acttggcacg gcaccattcc attcacctgg cgggtggtgg 600
gcggccccac ggctgcccgc tctgccctcg ccgcttccgg gatgcgggtg agctggccca 660
gcacagccgg gtgcactctg gggaacgccc gtttcagtgt ccacactgcc ctcgccgctt 720
tatggagcag aacacactgc agaaacacac gcggtggaag catccatgag ccgggctgcc 780
gggtgcccca ggtaccacag gactttgcag ggagcctgga ctcctgtcca gacacctggt 840
gagagcctga ggctggtgtt cagggccctg gacacagaca cagagcagcc gcatctcaaa 900
ggcagagccc tgcctgaagg aggaatccgt gagtaatctt caggtcctcc gtgttctgga 960
gctgagatgg gaatgagccc ctacacagaa tggagtcctc tagcctaaag atatcagctg 1020
ttccatggca gagccttgac tggatggagg tggggagtgt ggtgtgtaaa gtctctggcc 1080
tcataaaagg tggctgtggg tcgtcaggaa tctgcgccat cttcctgggg cttctgcgct 1140
gttgttgggg aagggacccc agtcctgcct tccacccccc aaccaggcct gagactgatc 1200
aaacaataaa cacgtttccc actctgaaaa aaaaaaaaaa aaaaaaaaaa 1250

<210> 1949
<211> 2154
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2152)
<223> n equals a,t,g, or c

<400> 1949
gtttatttat ttatttattt tagaaataag agcctgggtg acaagagtga gactctgtct 60
ccaaaaaaaa aaaaaaaaaa aaaaaaaaac tggattgcct ggctctactc cgggcacagc 120
atgcaggccc agttctgctg ctctgctgtt tgttctgctt tcctccacat attggcatca 180
ccctctggtg ccaagatggc tgctgcattc caggcatcac atccagactc agacccagag 240
aagctgccca tccctacctg ggtgagcctt tgtaggaacg agaaaccgca tccagcagca 300
gaaacctcac ccagcagcgt cttttccggt ctcattcacc agcgccgccc accgctcaac 360
caatccctgg ccaaaagaat gggaccgcct ggaaggctgg accaaacagg acctgccctc 420
tggggctggg gagaggccca gatgaaggct gcaggacagg atggactcct agacctctgt 480
taccagcagt gactacctct gtctgggtgg ttggaacatg tttgaatttt attctaagta 540
ctgtctacaa gttctgcaat aaaccttgac tcttctttta ataatgcaaa aggaatcgaa 600
gtgattgttt gaaagggaga ggaagaaaga gagangggag ggagggaaga atggagggag 660

gcagggaagg agacagagag agtagaatcc agccaccgga aaaatccaga atagctggct 720
ttgcttaatc catgcctgga aataactgct gggtttgcaa caacttctct cccggagaca 780
gaccaaggaa actacaaaac tgcagggkat tgaagggccg ggcacagtgg ctcacgcctg 840
taatcccaaa gtgctgaatt aagcagctca ccatccacac ggctgacctc atacatcaag 900
ccaataccgt gtggcccaag acccccacca taaatcacat cattagcatg aaccacccag 960
agtggcccaa gactcccaga tcagctacca ggcaggatat tccaagggct tagagatgaa 1020
tgcccaggag ctgaggataa agggcccgat ctttctttgg gcaaggttaa gcctttactg 1080
catagcagac cacacagaag ggtgtgggcc accagagaat tttggtaaaa atttggcctc 1140
tggccttgag cttctaaatc tctgtatccg tcagatctct gtggttacaa gaaacagcca 1200
ctgaccctgg tcaccagagg ctgcaattca ggccgcaagc agctgcctgg ggggtgtcca 1260
aggagcagag aaaactacta gatgtgaact tgaagaaggt tgtcagctgc agccactttc 1320
tgccagcatc tgcagccact ttctgccagc atctgcagcc agcaagctgg gactggcagg 1380
aaataaccca caaaagaagc aaatgcaatt tccaacacaa gggggaaggg atgcaggggg 1440
aggcagcgct gcagttgctc aggacacgct cctataggac caagatggat gcgacccaag 1500
acccaggagg cccagctgct cagtgcaact gacaagttaa aaaggtctat gatcttgagg 1560
gcagacagca gaattcctct tataaagaaa actgtttggg aaaatacgtt gagggagaga 1620
agaccttggg ccaagatgct aaatgggaat gcaaagcttg agctgctctg caagagaaaa 1680
taagcaggac agaggatttg ctctggacag agatggaaga gccgggaaca gagaagtgtg 1740
gggaagagat aggaaccagc aggatggcag gggcaaaggg ctcaagggtg aggaggccag 1800
tgggacccca cagagttggg gagataaagg aacattggtt gctttggtgg cacgtaagct 1860
ccttgtctgt ctccagcacc cagaatctca ttaaagctta tttattgtac ctccagcggc 1920
tgtgtgcaat ggggtctttt gtggaaatca aggagcagac aggtttcatg tgtactgtca 1980
ccacgtggga tggaaccaga ggcatggaag caagacgcta aatgaagagg gccataaggg 2040
ctgggattcc caggcacctt aggaacagct tgkctttttt tttttcctct ccaaaaaaaa 2100
tgtttaaggg acggtgacaa gagtgagact ctgtctycaa aaaaaaaaan tnaa 2154

<210> 1950
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (630)
<223> n equals a,t,g, or c

<400> 1950
agacaggtga gcgacgaact tctgagacag cagttgtgtc cctgtggctt tggtgcgcct 60
gtgtgcactt tctccctcca cctggagcat gggctaacac cggaggaaag gaaaagacag 120
agtcagacag ggagcctggg gaggggccat ggtgccaatg cacttactgg ggagactgga 180
gaagccgctt ctcctcctgt gctgcgcctc cttcctactg gggctggctt tgctgggcat 240
aaagacggac atcacccccg ttgcttattt ctttctcaca ttgggtggct tcttcttgtt 300
tgcctatctc ctggtccggt ttctggaatg ggggcttcgg tcccagctcc aatcaatgca 360
gactkagagc ccagggycct caggcaatgc acgggacaat gaagcctttg aagtgccagt 420
ctatgaagag gccgtggtgg gactagaatc ccagtgccgc cccaagagtt ggaccaacca 480
ccccccctaca gcaactggtg gngatacccc cagcaccctg anganggaac aacctagccc 540
attccagaag gggtccaggn agaagccaaa actgggaaca gaggccgaat gggccttana 600
agggggtccc atgggcccca ggaagggaan cccctgggaa gaacttccaa at 652

<210> 1951
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 1951
gaagtgggag aggtcgcagc cccgccttct ctacacagga aagctcagtg gcccccaagc 60
caggatgtcc caagcttggg tccccggcct cgcgcccacc ttgctgttca gcctgctggc 120
tggcccccaa aagattgcag ccaaatgtgg tctcatcctt gcctgcccca aaggattcaa 180
atgctgtggt gacagctgct gccaggagaa cgagctcttc cctggccccg tgaggatctt 240
cgtcatcatc ttcctggtca tcctgtccgt cttttgcatc tgtggcctgg ctaagtgctt 300
ctgtcgcaac tgcagagagc cggagccaga cascccagtg gattgccggg ggcccctgga 360
actgccctcc atcatccccc cagagagggt gattctgaag cccagcytgg gccaaytccc 420
acagagccaa cccctcccta cagttcangc ctgaagaata tancgggga 469

<210> 1952
<211> 755
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (648)
<223> n equals a,t,g, or c

<400> 1952
cgatgtctta ttgtgatgag tctcgactgt caaatcttct tcggaggatc acccgggaar 60
acgacmgaga cygaagattg gyyactgtaa agcagttgaa agaatttatt cagcaaccag 120
aaaataagct ggtactagtt aaacaattgg atatcttggc tgctgyacat gatgtgctta 180
atgaaagtag caaattgctt caggagttga gacaggaggg agcttgctgt ctyggccttc 240
tttgtgcttc tctgagctat gaggctgaga agatcttcaa gtggattttt agcaaattta 300
gctcatctgc aaaagatgaa gttaaactcc tctacttatg tgccacctac aaagcactag 360
agactgtagg agaaaagaaa gccttttcat ctgtaatgca gcttgtaatg accagcctgc 420
agtcaattct tgaaaatgtg gatacaccag aattgctttg caaatgtgtt aagtgcattc 480
ttttggtggc tcgatgttac cctcatattt tcagcrctaa ttttagggat acagttgrta 540
tattagttgg atggcataga gatcatactc agaaaccttc gctcacgcag cargtatctg 600
ggtggttgca gagtttggag ccattttggg tagctgatct tgcatttnct acgmctctwc 660
ttgggtcagt ttctagaaga catggaagca tatgctgagg accycagcca tgtggcctct 720
ggggaatcag tggatgaaga cgtccctcct ccatt 755

<210> 1953
<211> 1022
<212> DNA
<213> Homo sapiens

<400> 1953
cggactgggt ctccgtggga ggggcctggg tctggagagc agggcagggt ctcctgggcc 60
taggggatgg ggatggggct gggtctcaga ggaggcaggg tttacgtgca gaagagcgga 120
cttggtctcc ggggtcccga gtgggtgacg cggcccgcca caggtgcttc ctgaaggtga 180
gccggctgga ggcacaactg ctcctggagc gctaccccga gtgcgggaac ctgctgctgc 240
ggcccagcgg ggacggcgcc gacggygtgt cggtcaccac gcggcagatg cacaacggga 300
cgcacgtggt ccggcattac aaggtgaagc gggagggccc caagtacgtg atcgatgtgg 360
aacagccgtt ctcttgcacc tccctggacg ccgtggtcaa ctatttcgtg tcgcatacca 420
aaaaggcgct ggtgccattc ctgttagacg aggactacga gaaggtgcta ggctacgtgg 480
aagccgataa ggagaatggc gagaatgtgt gggtggcgcc ctccgctccg ggcccaggtc 540
ctgcaccctg cacaggtggc cccaagccgc tgtcacctgc gtctagccag gacaagctgc 600
ccccactgcc cccactaccg aaccaggaag agaactacgt gacccccatt ggagatggcc 660
cagctgttga ctatgagaac caagatgtgg cttcctctag ttggccagtc atcctgaagc 720
caaagaagtt gccaaagcct cctgccaagc ttccaaagcc acccgttgga cccaagccag 780
agcccaaagt ctttaatggt ggcttgggca ggaagctgcc agtcagttca gcccagcctc 840
tcttccccac agccgggctg gcagacatga cggcagagct acagaagaag ctggagaaga 900
ggcgggcact ggagcactga ttcggacaca ccagggacca gcgggctagt cccagggcat 960
gcccagcggc cagattcttt ttcccaggat taaaactctg accccaggaa aaaaaaaaaa 1020
aa 1022

<210> 1954
<211> 1776
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<400> 1954
atcatatagg caanggtanc ngacagtacg gtcggaytcc cgsgtcgacc cacgcggctg 60
gaaggaactg gtctgctcac acttgctggc ttgcgcatca ggactggctt tatctcctga 120
ctcacggtgc aaaggtgcac tctgcgaacg ttaagtccgt ccccagcgct tggaatccta 180
cggccccccac agccggatcc cctcagcctt ccaggtcctc aactcccgcg gacgctgaac 240
aatggcctcc atggggctac aggtaatggg catcgcgctg gccgtcctgg gctggctggc 300
cgtcatgctg tgctgcgcgc tgcccatgtg gcgcgtgacg gccttcatcg gcagcaacat 360
tgtcacctcg cagaccatct gggagggcct atggatgaac tgcgtggtgc agagcaccgg 420
ccagatgcag tgcaaggtgt acgactcgct gctggcactg ccgcaggacc tgcaggcggc 480
ccgcgccctc gtcatcatca gcatcatcgt ggctgctctg ggcgtgctgc tgtccgtggt 540
gggggggcaag tgtaccaact gcctggagga tgaaagcgcc aaggccaaga ccatgatcgt 600
ggcgggcgtg gtgttcctgt tggccggcct tatggtgata gtgccggtgt cctggacggc 660
ccacaacatc atccaagact tctacaatcc gctggtggcc tccgggcaga agcgggagat 720
gggtgcctcg ctctacgtcg gctgggccgc ctccggcctg ctgctccttg gcgggggggct 780
gctttgctgc aactgtccac cccgcacaga caagccttac tccgccaagt attctgctgc 840
ccgctctgct gctgccagca actacgtgta aggtgccacg gctccactct gttcctctct 900
gctttgttct tccctggact gagctcagcg caggctgtga ccccaggagg gccctgccac 960
gggccactgg ctgctgggga ctggggactg ggcagagact gagccaggca ggaaggcagc 1020
agccttcagc ctctctggcc cactcggaca acttcccaag gccgcctcct gctagcaaga 1080
acagagtcca ccctcctctg gatattgggg agggacggaa gtgacagggt gtggtggtgg 1140
agtggggagc tggcttctgc tggccaggat ggcttaaccc tgactttggg atctgcctgc 1200
atcggtgttg gccactgtcc ccatttacat tttccccact ctgtctgcct gcatctcctc 1260
tgttgcgggt aggccttgat atcacctctg ggactgtgcc ttgctcaccg aaacccgcgc 1320
ccaggagtat ggctgaggcc ttgcccaccc acctgcctgg gaagtgcaga gtggatggac 1380
gggtttagag gggaggggcg aaggtgctgt aaacaggttt gggcagtggt gggggagggg 1440
gccagagagg cggctcaggt tgcccagctc tgtggcctca ggactctctg cctcacccgc 1500
ttcagcccag ggcccctgga gactgatccc ctctgagtcc tctgcccctt ccaaggacac 1560
taatgagcct gggagggtgg cagggaggag gggacagctt cacccttgga agtcctgggg 1620
ttttttcctct tccttctttg tggtttctgt tttgtaattt aagaagagct attcatcact 1680
gtaattatta ttattttcta caataaatgg gacctgtgca caggaaaaaa aaaaaaaaaa 1740
aaaaaaaaaa aaaaaaaaaa aaaaaagggc ggccgc 1776

<210> 1955
<211> 1129
<212> DNA

BNSDOCID: <WO___0122920A2_I_>

<213> Homo sapiens

<400> 1955
gcccctgtca cgcttctctg tgcccacgtt tctgacctgg tgctgccact gttgtcagtc 60
cctgggcctg agtccctggt tggacaggaa tggacccaaa gaatggtgtt ggtatgtggg 120
tggtcccact cgctttggtc agtgggcttc tgggtccccc tttccctcac cggccctgtg 180
tgggtggaga ggcgtgagca ccctatctca gctgctattc gggcatgatg ctttgtagag 240
ggtagagtag acagcccccc cccctactca ccatggtatt tctccttgaa ttcctctttc 300
ttgttttctt tcctggttgt gtgaaccagt tgctgctgtc ataccccctgg cagggccagg 360
ggacctctct ttggtcatct ctgtcctttc actggctgct gccccaggaa gactcctcta 420
ggctctccat ctttcccttg agagctggct ccccacccca acctgctcag gcaccacaga 480
ggatctaggt ctctggctcc ccatacctgg acccacatgg gtgggtgcct gttgcatgtt 540
taagagagag gggctgtgag gtgacagggc actagggcct tcactccttt ctccccttcc 600
atcctttctt taccagtgcc acccatgtcc ctagctcccg ggtattgggg ctgaggctct 660
ggggcctgtc tccctgccag cgtgagggca agaccccaga gccttagctg agcaagccca 720
gaggggcagc gtggcccctc cctcccctttc tcctgccccg tcccatgcct cagcttgctg 780
cttgtgccag ttgcctgttt cgcttcagtg tttgattcta gcacttacat gtgtcctccc 840
caccaagccc tctatctcct tctaatcctt caacccctgg ccccctcccc gtaacagtga 900
cttttccagg gaggaagagg cagcaggagc tgttggcctt ggtttgcaca gagcgggtag 960
ggctgtaggg aaagcgggtg agctgttgtg ctgctgggcc tccctttggc cctcgcttcc 1020
caccctacga tgtatgaaat gtatgtacag accagagatg tttatacagc cgataaagat 1080
ggagtttccg tatttatcag taaaaaaaaa aaaaaaaaaa aaactcgag 1129

<210> 1956
<211> 279
<212> DNA
<213> Homo sapiens

<400> 1956
gagaaaaggg accaaaagtt attttagctt cctcaataga ttgcatgttg cttattagga 60
taataaatta atattaaatg caatatatgt cttgtcttta ttatggcatc tatttaggag 120
ttgttcaaat cactgcagta gggctctgca aataaaataa tgtaacctat tatcatggat 180
ctaatgtact gtaactttat cagtgaaagg taaaatctca aataacaagt acaaacattg 240
aacaattacc tataaagatt tgtaaaagta aaaaaaaaa 279

<210> 1957
<211> 923
<212> DNA
<213> Homo sapiens

<400> 1957
tttatcatct tattttgaac ctcgtgtaga ttacagtaaa gcaaaccatt cagtgtgttc 60
caggaaatta tattagatct gtgtttctat cagctcactg gaataatctg ataattgtta 120
cttttacttg gtatggctgc aagaatagtg gaaagaagag gacttgagag ttggtcgaac 180
ccaggtttga aatctggctt agtcattttt cagctgttat cctgggtgag ttttgccaac 240
tttcttagct tcatttccct cattaatacg gtgggacata acagctactc ttgcattgaa 300
aattaagtta grttacctgt ctagcatacc catcatcata cacttactat ggtcacattt 360
tgtatttaaa ataaactaat acgaaaaata tttctttttt tttacacaga attatgattc 420
tcacagggta tataaattac tgattagaat tatttatatg tggccaattc ttaatgkcat 480
tgggaakgct gttycatttc aaycctcaaa gttactgtag cacagaaaat atcacaattt 540
cctgcaggga cattatcagt aagtyckgca gggaacaaac aattgacatt aaaaatcagt 600

actctgcaat tgtcactgtt atyatctgct agaaactytg cataatgcat tttaaaccac 660
caaggctggc tgccacatcc atgtgaaatg cttgaatttt atggtgctta aatatttaat 720
gattcatggg aaaaatgtga aatgtgtcta ataaattgca tccctttctc taacctctgg 780
ttgtaaagtt aaagactttc agcatgtaac ttttgcaaga tgcctggtct gccattggca 840
cttaaatatt tgttgtatta cgatttataa tatggttcat tatatataaa attctgtgat 900
gasttccaaa aacaaaaaaa aaa 923

<210> 1958
<211> 1757
<212> DNA
<213> Homo sapiens

<400> 1958
agtttggaga ccaccgcgaa traagtttgc attttcctct gttcttgagc ccagcttctt 60
ctcgtctccc accccagctt cccggcattg gaagaaggga ccgtcctctt ccttgtcttg 120
gccacccaaa tcctggtatc gaaagggttg aacggaccgg aagtgtgcag cagcgacggg 180
tccccagcta atcgacgccg gaagtagcaa ttactagaca agcattccgc cgccggcttc 240
gctatggcgg caattccccc agattcctgg cagccaccca acgtttactt ggagaccagc 300
atgggaatca ttgtgctgga gctgtactgg aagcatgctc caaagacctg taagaacttt 360
gctgagttgg ctcgtcgagg ttactacaat ggcacaaaat tccacagaat tatcaaagac 420
ttcatgatcc aaggaggtga cccaacaggg acaggtcgag gtggtgcatc tatctatggc 480
aaacagtttg aagatgaact tcatccagac ttgaaattca cgggggctgg aattctcgca 540
atggccaatg cggggccaga taccaatggc agccagttct ttgtgaccct cgcccccacc 600
cagtggcttg acggcaaaca caccattttt ggccgagtgt gtcagggcat aggaatggtg 660
aatcgcgtgg gaatggtaga aacaaactcc caggaccgcc ctgtggacga cgtgaagatc 720
attaaggcat acccttctgg gtagacttgc taccctcttg agcagctctt ctgagatggc 780
cccagtgaac cagcttctag atgacataga atgacatgta atgctaaatt cattttggct 840
ttgcaagtca tgaagcttag gaggcctggc atcttgggtg agttagagat ggaagtacat 900
tttaatagga tgcttctttt ctcttccccc agtgcctagg ttgccagagc atttgcacaa 960
atgcccctgt ttatcaatag gtgactactt actacacatg aaccataatg ctgcttcttg 1020
tgcatgtctg ctctgatata cgtcgaacaa tgtagcagcc actgtcattt ctcagtggtt 1080
ttgcctaacc aaacttcttc ctaaggagat ttatattctg gcctacacag cagtccttga 1140
tggctgacag ccacagaatt ccaaaccaag tagtgtctgt cagccctctt aactctgtgc 1200
acgccctatt tcagtctttt acatttgttc ttctagggaa tgtatgcatc tctatatata 1260
ttttccctct caaaaccaga acatcaacag tgctgtttct gacacttcag acatcccacg 1320
caaagccaca ttgaattttt gccaaatgaa aaacacatcc aacaatcaag tttctaagaa 1380
ggtgtcaagt ggggaataat aataatgtat aataatcaag aaattagttt attaaaagga 1440
agcagaagca ttgaccattt tttcccagag aagaggagaa atctgtagtg agcaaaggac 1500
agaccatgaa tcctccttga gaagtagtac tctcagaaag gagaagcgcc actcaagttc 1560
ttttaaccca agactttaga gaaattaggt ccaagatttt tatatgttca gttgtttatg 1620
tataaaaata actttctgga ttttgtgggg aggagcagga gaggaaggaa gttaatacct 1680
atgtaataca tagaaacttc cacaataaaa tgccattgat ggttgaaaaa aaaaaaaaaa 1740
aaaaaaaaaa aaaaaaa 1757

<210> 1959
<211> 2856
<212> DNA
<213> Homo sapiens

<400> 1959
agcaagtatt ggtgatgtga cctgttcacg cagggaaact tgaacattcg caggtacacc 60

BNSDOCID: <WO___0122920A2_I_>

agaggatcgc ttcctggcag aatttgggag ctgtttattg cagcactgtt gtccctctga 120
tgatgttaca gtggtttatc aaaatgggtt acctgtgata tctgtgaggc taccatcccg 180
gcgtgaacgc tgtcagttca cactcaagcc tatctytgac tctgttggtg tatttttacg 240
acaactgcaa gaagaggatc ggggaattga cagagttgct atctattcac cagatggtgt 300
tcgcgttgct gcttcaacag gaatagacct cctcctcctt gatgacttta agctggtcat 360
taatgactta acataccacg tacgaccacc aaaaagagac ctcttaagtc atgaaaatgc 420
agcaacgctg aatggatgta aagacattgg tccagcaact atacaccaca ctgtgcattg 480
agcagcacca gttaaacaag gaaagggagc ttattgaaag actagaggat ctcaaagagc 540
agctggctcc cctggaaaag gtacgaattg agattagcag aaaagctgag aagaggacca 600
ctttggtgct atggggtggc cttgcctaca tggccacaca gtttggcatt ttggcccggc 660
ttacctggtg ggaatattcc tgggacatca tggagccagt aacatacttc atcacttatg 720
gaagtgccat ggcaatgtat gcatattttg taatgacacg ccaggaatat gtttatccag 780
aagccagaga cagacaatac ttactatttt tccataaagg agccaaaaag tcacgttttg 840
acctagagaa atacaatcaa ctcaaggatg caattgctca ggcagaaatg gaccttaaga 900
gactgagaga cccattacaa gtacatctgc ctctccgaca aattggtgaa aaagattgat 960
ctgcaaaaag cctctgaatc ctggcagaag gaacacctgt ttgccttttt aattaaagca 1020
ttgcaggtgg aagctgggag ccatgtgggg ggtagagcgt ttttaccttt aattataaaa 1080
caaaaacaga aaggatctga gggaagaagg gaatgttaaa acctgaggat caggcattgt 1140
ggaatataag ctcaaagggc ttagtgaata ttgtcttaac caagtatctc agtttctgga 1200
tgaaaatgat gcagttatat agttgagaga ttcataaaga gaaaacaatg ctgggggtgt 1260
tcgtttcttg catcttcttt gcagagtcag caaaagagta acacaccagc accccactcg 1320
actctatttg tttttaattt aactgtccct atttttgaca taggagtaaa taaatatact 1380
agaaaagcaa attctcatga tatgctwaaa tatcattagc atttatttta aattggaccc 1440
artctctgca gagttaccag gaatctttcc ttycagcaty cctttactga ccacctamct 1500
gkacctcttg gktacactca tttttttcat ttgawaattg gaaccaactt ataactggtt 1560
aataattgca ctttagatta tctcttaata ccttcttaaa tgtctatata tcccagtgct 1620
ctggatcagt gtctaaaaat cactggcaac actgcatgag gttgttggtt ttgttttgtt 1680
ttattaatta gtctttcaca ggaggaataa ttgccctcct ttatatactt atctattgat 1740
aatcccctct ccctccagaa cacaaatcag agggaaaggg ggtgttcagc tgtactacca 1800
aatcaggaag atgtaaggtt tacaaattgg ctaagaatca tggctctgta gccatttcaa 1860
ccagaataat tttattgcta atctgctttg tgtgacagca ttccaggcca gccagatggg 1920
actgccttgt ctggaggctt tgttcatctc gaaggacaca cacttccaca ctgtttgtga 1980
gccctcccac ctccacaact tcagttgtaa atcaagtgtg tggatctcaa agggtgcaat 2040
ttatctttat ataggaatac atttctaggg cttccttcaa gcccactctc ttcaccctat 2100
tttttcttat cttaaattga gagaaagaga attaatctta tactttgtca aaacattttc 2160
taccatattt ccagatgaca tctgcgcttg aagagtcaaa ggaatctgtg tctaatatcc 2220
tgtttttaac tgctgtaggg gcaggatgga aaggatgatg ggggctgcca caccactgat 2280
tggccttttc tttcacgtga ttcatccttc ctcattgtgg caaggagttt ctttctcttt 2340
ttcttcctcc tttgggatca ttgtgtatga aaagaaaaac tttaaatgac aaacccagac 2400
tccaggtgcc ttgcaaaggt tgaaggccag ccaggattgc tgctgctgct gctactcctg 2460
ccaacacccc tttcattggc atgacggaat gaaaggatgc atgtctccac ttcctgaccc 2520
tccgcccact tccttctccc tccaccaccc ccagtcgtca gctccttccc tcatttattt 2580
ttgttaagtt gtgtgaatta tttttaaccc atttatcctg tttgtgcata gggtttttaa 2640
gaagaaacag cacagtgcaa cgagcaaatc tttttggggt gtgtgggaag caagggaggg 2700
aggacatgga gaaaagttct ttaaacaaat agcaaactat tgaacatgtg taaaatcctg 2760
tatcatttat gaaatatgta taaaaagcaa tgtaccttct ggaacaataa atacttattc 2820
aatttttgaa aaaaaaaaaa aaaaaagggc ggccgc 2856

<210> 1960
<211> 1720
<212> DNA

<213> Homo sapiens

<400> 1960
ccacgcgtcc gaaactttgt gctggaatca tgataactgc atctcacaat ccaaagcagg 60
ataatggtta taaggtctat tgggataatg gagctcagat catttctcct cacgataaag 120
ggatttctca agctattgaa gaaaatctag aaccgtggcc tcaagcttgg gacgattctt 180
taattgatag cagtccactt ctccacaatc cgagtgcttc catcaataat gactactttg 240
aagaccttaa aaagtactgt ttccacagga gcgtgaacag ggagacaaag gtgaagtttg 300
tgcacacctc tgtccatggg gtgggtcata gctttgtgca gtcagctttc aaggcttttg 360
accttgttcc tcctgaggct gttcctgaac agaaagatcc ggatcctgag tttccaacag 420
tgaaataccc gaatcccgaa gaggggaaag gtgtcttgac tttgtctttt gctttggctg 480
acaaaaccaa ggccagaatt gttttagcta acgacccgga tgctgataga cttgctgtgg 540
cagaaaagca agacagtggt gaatggaggg tgttttcagg caatgagttg ggggccctcc 600
tgggctggtg gctttttaca tcttggaaag agaagaacca ggatcgcagt gctctcaaag 660
acacgtacat gttgtccagc accgtctcct ccaaaatctt gcgggccatt gccttaaagg 720
aaggttttca ttttgaggaa acattaactg gctttaagtg gatgggaaac agagccaaac 780
agctaataga ccaggggaaa actgttttat ttgcatttga agaagctatt ggatacatgt 840
gctgcccttt tgttctggac aaagatggag tcagtgccgc tgtcataagt gcagagttgg 900
ctagcttcct agcaaccaag aatttgtctt tgtctcagca actaaaggcc atttatgtgg 960
agtatggcta ccatattact aaagcttcct attttatctg ccatgatcaa gaaaccatta 1020
agaaattatt tgaaaacctc agaaactacg atggaaaaaa taattatcca aaagcttgtg 1080
gcaaatttga aatttctgcc attagggacc ttacaactgg ctatgatgat agccaacctg 1140
ataaaaaagc tgttcttccc actagtaaaa gcagccaaat gatcaccttc acctttgcta 1200
atggaggcgt ggccaccatg cgcaccagtg ggacagagcc caaaatcaag tactatgcag 1260
agctgtgtgc cccacctggg aacagtgatc ctgagcagct gaagaaggaa ctgaatgaac 1320
tggtcagtgc tattgaagaa catttttttcc agccacagaa gtacaatctg cagccaaaag 1380
cagactaaaa tagtccagcc ttgggtatac ttgcatttac ctacaattaa gctgggttta 1440
acttgttaag caatattttt aagggccaaa tgattcaaaa catcacaggt atttatgtgt 1500
tttacaaaga cctacattcc tcattgtttc atgtttgacc tttaaggtga aaaaagaaaa 1560
tggccaaacc caacaaacta acattcctac taaaaagttg agcttggaca tattttgaat 1620
ttttgtaagt gaagattttt aaactgacta acttaaaaaa atagattgta attgatgtgc 1680
cttaatttgc ataaatcata aatgtaaaaa aaaaaaaaaa 1720

<210> 1961
<211> 2854
<212> DNA
<213> Homo sapiens

<400> 1961
ggcacgagga gaaatcacag ggagatgtac agcaatgggg ccatttaaga gttctgtgtt 60
catcttgatt cttcaccttc tagaaggggc cctgagtaat tcactcattc agctgaacaa 120
caatggctat gaaggcattg tcgttgcaat cgaccccaat gtgccagaag atgaaacact 180
cattcaacaa ataaaggaca tggtgaccca ggcatctctg tatctgtttg aagctacagg 240
aaagcgattt tatttcaaaa atgttgccat tttgattcct gaaacatgga agacaaaggc 300
tgactatgtg agaccaaaac ttgagaccta caaaaatgct gatgttctgg ttgctgagtc 360
tactcctcca ggtaatgatg aaccctacac tgagcagatg ggcaactgtg gagagaaggg 420
tgaaaggatc cacctcactc ctgatttcat tgcaggaaaa aagttagctg aatatggacc 480
acaaggtagg gcatttgtcc atgagtgggc tcatctacga tggggagtat ttgacgagta 540
caataatgat gagaaattct acttatccaa tggaagaata caagcagtaa gatgttcagc 600
aggtattact ggtacaaatg tagtaaagaa gtgtcaggga ggcagctgtt acaccaaaag 660
atgcacattc aataaagtaa caggactcta tgaaaaagga tgtgagtttg ttctccaatc 720

ccgccagacg gagaaggctt ctataatgtt tgcacaacat gttgattcta tagttgaatt 780
ctgtacagaa caaaaccaca acaaagaagc tccaaacaag caaaatcaaa aatgcaatct 840
ccgaagcaca tgggaagtga tccgtgattc tgaggacttt aagaaaacca ctcctatgac 900
aacacagcca ccaaatccca ccttctcatt gctgcagatt ggacaaagaa ttgtgtgttt 960
agtccttgac aaatctggaa gcatggcgac tggtaaccgc ctcaatcgac tgaatcaagc 1020
aggccagctt ttcctgctgc agacagttga gctggggtcc tgggttggga tggtgacatt 1080
tgacagtgct gcccatgtac aaagtgaact catacagata aacagtggca gtgacaggga 1140
cacactcgcc aaaagattac ctgcagcagc ttcaggaggg acgtccatct gcagcgggct 1200
tcgatcggca tttactgtga ttaggaagaa atatccaact gatggatctg aaattgtgct 1260
gctgacggat ggggaagaca acactataag tgggtgcttt aacgaggtca aacaaagtgg 1320
tgccatcatc cacacagtcg ctttggggcc ctctgcagct caggaactag aggagctgtc 1380
caaaatgaca ggaggtttac agacatatgc ttcagatcaa gttcagaaca atggcctcat 1440
tgatgctttt ggggcccttt catcaggaaa tggagctgtc tctcagcgct ccatccagct 1500
tgagagtaag ggattaaccc tccagaacag ccagtggatg aatggcacag tgatcgtgga 1560
cagcaccgtg ggaaaggaca ctttgtttct tatcacctgg acaacgcagc ctccccaaat 1620
ccttctctgg gatcccagtg gacagaagca aggtggcttt gtagtggaca aaaacaccaa 1680
aatggcctac ctccaaatcc caggcattgc taaggttggc acttggaaat acagtctgca 1740
agcaagctca caaaccttga ccctgactgt cacgtcccgt gggtccaatg ctaccctgcc 1800
tccaattaca gtgacttcca aaacgaacaa ggacaccagc aaattcccca gccctctggt 1860
agtttatgca aatattcgcc aaggagcctc cccaattctc agggccagtg tcacagccct 1920
gattgaatca gtgaatggaa aaacagttac cttggaacta ctggataatg gagcaggtgc 1980
tgatgctact aaggatgacg gtgtctactc aaggtatttc acaacttatg acacgaatgg 2040
tagatacagt gtaaaagtgc gggctctggg aggagttaac gcagccagac ggagagtgat 2100
accccagcag agtggagcac tgtacatacc tggctggatt gagaatgatg aaatacaatg 2160
gaatccacca agacctgaaa ttaataagga tgatgttcaa cacaagcaag tgtgtttcag 2220
cagaacatcc tcgggaggct catttgtggc ttctgatgtc ccaaatgctc ccatacctga 2280
tctcttccca cctggccaaa tcaccgacct gaaggcggaa attcacgggg gcagtctcat 2340
taatctgact tggacagctc ctggggatga ttatgaccat ggaacagctc acaagtatat 2400
cattcgaata agtacaagta ttcttgatct cagagacaag ttcaatgaat ctcttcaagt 2460
gaatactact gctctcatcc caaaggaagc caactctgag gaagtctttt tgtttaaacc 2520
agaaaacatt acttttgaaa atggcacaga tcttttcatt gctattcagg ctgttgataa 2580
ggtcgatctg aaatcagaaa tatccaacat tgcacgagta tctttgttta ttcctccaca 2640
gactccgcca gagacaccta gtcctgatga aacgtctgct ccttgtccta atattcatat 2700
caacagcacc attcctggca ttcacatttt aaaaattatg tggaagtgga taggagaact 2760
gcagctgtca atagcctagg gctgaatttt tgtcagataa ataaaataaa tcattcatcc 2820
tttttttga ttataaaaaa aaaaaaaaaa aaaa 2854

<210> 1962
<211> 4087
<212> DNA
<213> Homo sapiens

<400> 1962
gcgggaggat gggccgccgc taggctcgca ctccggacgc gcctcgcagt gcgcagggtg 60
ggtgccccgc gcctgcagcg tccgccgggg cggcgcggcg ggaggtggcc gacaggctcc 120
aggcctcgca gcctcagccc ccggcccagc gcgctttccg acggcggcgc cgcgccgagc 180
cacccgcccg cccaaggtct ctcgcgggcg ggagaacgga aaactcccaa cttcctgagt 240
tctaaagttc ctgttgcttc agacaatgga tgagcaatca caaggaatgc aagggccacc 300
tgttcctcag ttccaaccac agaaggcctt acgaccggat atgggctata atacattagc 360
caactttcga atagaaaaga aaattggtcg cggacaattt agtgaagttt atagagcagc 420
ctgtctcttg gatggagtac cagtagcttt aaaaaaagtg cagatatttg atttaatgga 480

tgccaaagca cgtgctgatt gcatcaaaga aatagatctt cttaagcaac tcaaccatcc 540
aaatgtaata aaatattatg catcattcat tgaagataat gaactaaaca tagttttgga 600
actagcagat gctggcgacc tatccagaat gatcaagcat tttaagaagc aaaagaggct 660
aattcctgaa agaactgttt ggaagtattt tgttcagctt tgcagtgcat tggaacacat 720
gcattctcga agagtcatgc atagagatat aaaaccagct aatgtgttca ttacagccac 780
tggggtggta aaacttggag atcttgggct tggccggttt ttcagctcaa aaaccacagc 840
tgcacattct ttagttggta cgccttatta catgtctcca gagagaatac atgaaaatgg 900
atacaacttc aaatctgaca tctggtctct tggctgtcta ctatatgaga tggctgcatt 960
acaaagtcct ttctatggtg acaaaatgaa tttatactca ctgtgtaaga agatagaaca 1020
gtgtgactac ccacctcttc cttcagatca ctattcagaa gaactccgac agttagttaa 1080
tatgtgcatc aacccagatc cagagaagcg accagacgtc acctatgttt atgacgtagc 1140
aaagaggatg catgcatgca ctgcaagcag ctaaacatgc aagatcatga agagtgtaac 1200
caaagtaatt gaaagtattt tgtgcaagtc atacctcccc atttatgtct ggtgttaaga 1260
ttaatatttc agagctagtg tgctttgaat ccttaaccag ttttcatata agcttcattt 1320
tgtaccagtc acctaaatca cctccttgca acccccaaat gactttggaa taactgaatt 1380
gcatgttagg agagaaaatg aaacatgatg gttttgaatg gctaaaggtt tatagaattt 1440
cttacagttt tctgctgata aattgtgttt agatagactg tcagtgccaa atattgaagg 1500
tgcagcttgg cacacatcag aatagactca tacctgagaa aaagtatctg aacatgtgac 1560
ttgtttcttt tttagtaatt tatggacatt gagatgaaca caattgtgaa cttttgtgaa 1620
gattttattt ttaaacgttt gaagtactag ttttagttct tagcagagta gttttcaaat 1680
atgattctta tgataaatgt agacacaaac tatttgagaa acatttagaa ctcttagctt 1740
atacattcaa aatgtaacta ttaaatgtga agatttgggg acaaaatgtg agtcagacac 1800
tgaagagttt tttgttttgt tttaatattt ttgatattct ctttgcattg aaatggtata 1860
aatgaatcca tttaaaaagt ggttaaggat ttgtttagct ggtgtgataa taatttttaa 1920
agttgcacat tgcccaaggc tttttttgtg tgtttttatt gttgtttgta catttgaaaa 1980
atattctttg aataaccttg cagtactata tttcaatttc tttataaatt taagtgcatt 2040
ttaactcata attgtacact ataatataag cctaagtttt tattcataag ttttattgaa 2100
gttctgatcg gtccccttca gaaatttttt tatattattc ttcaagttac tttcttattt 2160
atattgtatg tgcattttat ccattaatgt ttcatacttt ctgagagtat aatacccttt 2220
taaaagatat ttggtatacc aatacttttc ctggattgaa aacttttttt aaacttttta 2280
aaatttgggc cactctgtat gcatatgttt ggtcttgtta aagaggaaga aaggatgtgt 2340
gttatactgt acctgtgaat gttgatacag ttacaattta tttgacaagg ttgtaattct 2400
agaatatgct taataaaatg aaaactggcc atgactacag ccagaactgt tatgagatta 2460
acatttctat tgagaagctt ttgagtaaag tactgtattt gttcatgaag atgactgaga 2520
tggtaacact tcgtgtagct taaggaaatg ggcagaattt cgtaaatgct gttgtgcaga 2580
tgtgttttcc ctgaatgctt tcgtattagt ggcgaccagt ttctcacaga attgtgaagc 2640
ctgaaggcca agaggaagtc actgttaaag gactctgtgc catcttacaa ccttggatga 2700
attatcctgc caacgtgaaa acctcatgtt caaagaacac ttcccttag ccgatgtaac 2760
tgctggtttt gtttttcata tgtgtttttc ttacactcat ttgaatgctt tcaagcattt 2820
gtaaacttaa aaaatgtata aagggcaaaa agtctgaacc cttgttttct gaaatctaat 2880
cagttatgta tggtttctga agggtaattt tattttggaa taggtaaagg aaacctgttt 2940
tgtttgtttt tcctgagggc tagatgcatt ttttttctca cactcttaat gacttttaac 3000
atttatactg agcatccata gatatattcc tagaagtatg agaagaatta ttcttattga 3060
ccattaatgt catgttcatt ttaatgtaat ataattgaga tgaaatgttc tctggttgga 3120
acagatactc tctttttttt cttgcaatct ttaagaatac atagatctaa aattcattag 3180
cttgacccct caaagtaact tttaagtaaa gattaaagct tttcttctca gtgaatatat 3240
ctgctagaag gaaatagctg ggaagaattt aatgatcagg gaaattcatt atttctatat 3300
gtggaaactt tttgcttcga atattgtatc tttttaaatc taaatgttca tatttttcct 3360
gaagaaacca ctgtgtaaaa atcaaatttt aattttgaat ggaataattt caaagaacta 3420
tgaagatgat ttgaagctct aatttatata gtcacctata aaatgttctt tatatgtgtt 3480
cataagtaaa ttttatattg attaagttaa acttttgaat tgatttgagg agcagtaaaa 3540

tgaaagctat atctattcta aaccttattt agacattggt accagttacc caggtgaaaa 3600
tatggagtaa ctttgttttg tatggtaagg tttaggaatg gtggatgaag ggtatctcta 3660
tataaataaa gtgctcaaca atgtgcaatg attgtaaatt tagtaagata ttacagccat 3720
ttcatgaatg ctttaccatt caacatagta tctattacaa aacacctttc ttgtatccat 3780
atacttcagg tgttgctgtt aacatttact atgatattta ttttaaccaa aatgttactc 3840
acattaaatg tttattcttt aaaatgaatg tattatgttt ttaacccaca aatgcatact 3900
taccctgtgc ctcatatttc aatagtactg taatatggac atcttttgtg aaatactttt 3960
attttgttat gctttaaata tacatacaaa aagatttctg ttattagctt tgaaaattgt 4020
ataatatcct aatataaaca aaaatataaa aataaaaatg aatacagtaa aaaaaaaaaa 4080
aaaaaaa 4087

<210> 1963
<211> 801
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (660)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (744)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (762)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (773)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (791)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (801)
<223> n equals a,t,g, or c

<400> 1963
cgggggtcat cttcttcctg gccctgctgc tgtgcattgc gcttctktcg tcctactcca 60
tccacctcct gctgacctgt gctggtattg cagggactgg ttcttgaagg gaaacctcct 120
catcatcatc gtcagtgtgt taatcatcct gcccctcgcc ctcatgaaac acttgggcta 180
cctggggtac accagtggtc tctctctgac ctgcatgctg tttttccttg tttcggtcat 240

ctacaagaag ttccaacttg gctgtgctat aggccacaat gaaacagcaa tggagagtga 300
agctctcgtg ggactcccca gccaaggact caacagcagc tgtgaggccc agatgttcac 360
agttgactca cagatgtcct acacagtgcc cattatggct tttgcttttg tctgccaccc 420
tgaggtgctg cccatctata cggagctctg ccgttccacg acctctacac ctcaggccct 480
ccaagcgcag gatgcaggcc gtggccaacg tgtccattgg ggccatgttc tgcatgtatg 540
ggctcacagc aacctttgga tacctcacct tctacagcag tgtgaaggcg gagatgctgc 600
acatgtacag ccagaaggac ccgctcatcc tctgtgtgcg cctggccgtg ctgcttcgcn 660
ggtgacccct cactgtgcca gtcgtgctgg ttcctatccg ccgggccctg gaagcaactg 720
cttttcccag gcaagggcct ttancttggc cacgacattg tnggccatta gcntttgaat 780
ccttgctttg ntttgggtca n 801

<210> 1964
<211> 1626
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1607)
<223> n equals a,t,g, or c

<400> 1964
cggacgcgtg ggcggacgcg tgggaaaagg tgaacaaatc tttccttcag gtagatgctg 60
gatagtcttt ggagcttgta gtagggtccc atgagcactg cccacagctg ctttctgtac 120
catctgaggt catctcatcc ttaagagaac ttttaggacc agacaggaat gctcatctct 180
ctgtgcccag tagttctctg ggggtggcct gaggctgact tgtctgtagt cactgagttc 240
atttactttt attttctagg ccttatgatg ggaaatggag taaaacaatg gtgggatttg 300
ggcctgagga tgatcatttt gtcgcagaac tgacttacaa ttatggcgtc ggagactaca 360
agcttggcaa tgactttatg ggaatcacgc tcgcttctag ccaggctgtc agcaacgcca 420
ggaagctgga gtggccactg acggaagttg cagaaggtgt ttttgaaacc gaggccccgg 480
gaggatataa gttctatttg cagaatcgca gtctgcctca gtcagatcct gtattaaaag 540
taactctagc agtgtctgat cttcaaaagt ccttgaacta ctggtgtaat ctactgggaa 600
tgaaaattta tgaaaaagat gaagaaaagc aaagggcttt gctgggctat gctgataacc 660
aggtgagcaa tcttggagaa gaataacctg ttactttgaa tttggcttgt aaacgaagct 720
tataaatggc ttataacctt tataaatgaa gttaacatga aggttgttcc catagtttct 780
tcacagtgat tcaatattta tatagataaa cagaagaaaa taagtgataa ccttaccacc 840
cagatattac cttgtttata tttggggata tatctcttca gaagtggaat tgcttaatcc 900
aagagattga atggatttaa tgcaagatct ttttcatctt ctttttctaa taacccagcg 960
tttgagcacg atttagtcct tgcactttga ccctgcaatt ctactcctag gaattatttt 1020
acagatgtgc tcaacataca tcggcacaaa gaagtgtgtg caaggktatc tgctgcagca 1080
ttgtctgtaa tcacaatgtg taagaatttc agtgtcctat agattagaga catatttcag 1140
taatttacgg ctcattcatg gaatggatta ctatgtcgct agcaaaaaga ttgaggcaaa 1200
tctttatgta ttgacatggt aacattaagt ggagaaaaac aaggaacaga ataatttgta 1260
aattatacca ccatttgtgt aaaaaaaaaa acatagatgc gtgcagtgct tctagaagga 1320
tacacaggaa actgtggact agttgtctct ggggtgagag taggrtagag actcagtttt 1380
tactttattc ctttagtata taatatttga atttttctac cacatacgtg taatgaatgt 1440
ataacctgtc caaaaaataa ccccctttcc ytttcagtgt agstggagct acagggcgtc 1500
aagggtgggg tggaccatgc agcagctttt ggaagaattg ccttctcttg cccccagaaa 1560
gaggtaacgc ttgataccag atcgtttgag ctttctgact agctagntca acccagctaa 1620
gaactt 1626

<210> 1965
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1965
tccgcaccgg gactcgggac tcccgggaag tggaccggca gaagaggggg ctagctagct 60
gtctctgcgg accagggaga ccccccgcgcc cccccggtgt gaggcggcct cacagggccg 120
ggtgggctgg cgagccgacg cggcggcgga ggaggctgtg aggagtgtgt ggaacaggac 180
ccgggacaga ggaaccatgg ctccgcagaa cctgagcacc ttttgcctgt tgctgctata 240
cctcatcggg gcggtgattg ccggacgaga tttctataag atcttggggg tgcctcgaag 300
tgcctctata aaggatatta aaaaggccta taggaaacta gccctgcagc ttcatcccga 360
ccggaaccct gatgatccac aagcccagga gaaattccag gatctgggtg ctgcttatga 420
ggttcttgtc agatantgag aaacggaaac agtacgatac ttatggtgaa naaggattaa 480
aagatggtca tcagagctcc atggagacat tttttacact tctttgggga tttgggttat 540
gttggangaa ccctgtngaa gacagaattt ccagaggaat gtntattgaa 590

<210> 1966
<211> 1970
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1964)
<223> n equals a,t,g, or c

<400> 1966
nggtgaaggg caatcagctg ttgccgtctc actggtgaaa agaaaaacca ccctggcgcc 60
caatacgcaa accgcctctc nccgcgcgtt ggccgattca ttaatgcagc tggcacgaca 120
ggtttcccga ctggaaagcg ggcagtgagc gcaacgcaat taatgtgagt tagctcactc 180
attaggcacc ccaggcttta cactttatgc ttccggctcg tatgttgtgt ggaattgtga 240
gcggataaca atttcacaca ggaaacagct atgaccatga ttacgccaag ctctaatacg 300
actcactata gggaaagctg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc 360
cacgcgtccg actagttcta gatcgcgatc tagaactagt ccccacgcgt ccgcttgaag 420
cacaggtgag ggatcctggc ccacagcctc agccccactc tgctctccca caggtgccaa 480
gaggagtgcc ccttcgggtc cttcggcttc cagtgctcac agcgctgtga ctgccacaat 540
ggggggcagt gttcacccac cacgggtgcc tgcgagtgtg agcctggcta caagggccca 600
cgctgccagg agcgactgtg cccggagggc ctgcatggcc caggctgcac cctgccctgc 660
ccctgtgacg ctgacaacac catcagctgc cacccagtaa ctggagcttg tacctgccag 720
ccaggctggt ctggtcacca ctgcaatgaa tcctgccctg ttggctacta tggcgatggc 780
tgccagctgc cttgcacctg tcagaatggc gccgactgcc acagcatcac tgggggctgc 840
acttgtgctc cgggcttcat gggagaggtc tgtgccgttt cctgtgcagc agggacctat 900
ggccccaact gctcgtccat ctgtagctgt aacaatggtg gcacctgctc cccagtagat 960
ggctcctgta cctgcaagga agggtggcag ggcctggact gcaccctgcc atgtcccagt 1020
gggacgtggg gcctgaactg caacgagagc tgcacctgtg ccaatggggc agcctgcagc 1080
cccatagacg gctcctgctc ctgcactcct ggctggctgg gagacacctg tgagctgcct 1140
tgcccggatg gcacatttgg gctgaactgc agtgaacact gtgactgcag ccatgctgat 1200
ggatgtgacc ccgtcacagg ccactgctgc tgcctggccg gatggacagg catccgctgt 1260
gacagcacgt gtccacctgg ccgctggggc cccaactgct ctgtctcctg cagctgtgag 1320
aatggaggct cctgctcccc agaggatggg agctgcgagt gtgcccctgg cttccgagga 1380
cccttatgcc agagaatctg ccccccctggg ttctatggcc acggctgcgc ccagccatgc 1440
cccctctgcg tgcacagcag caggccctgc caccacatca gcggcatctg tgagtgcctc 1500
ccaggattct ctggagctct ctgcaaccaa gctagcaagt ggcagaaaca aattctgatt 1560
ccgacatgca tgctgaaggg atgaaaagtg aaacaagcac agagatctgc atcagaagtg 1620
gcaccatgtg gtctgtgccg agtgccaagg gtaaaggcag agaatgctgt gggagtgcag 1680
aggagctggc tctggctgga gatggcaact tccaagccct tctccccgtc atattcaggc 1740
caccatccct aatccctccc catatgcttt cctgacttga cctcagaatc cttcacaata 1800
ccgactccaa gaactgctac cactcagcag gagttgaaaa gagatataaa gcttatttgc 1860
attggtgttc caccctacca gctctttgtg ggggaaaaac cctgatctgt aacatctgca 1920
gatttttaaa atataaatat tcctaccaaa aaaaaaaaaa aaanaaaaaa 1970

<210> 1967
<211> 1222
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1219)
<223> n equals a,t,g, or c

<400> 1967
gcctgggttc ccascggctt csccagaggt ggaagaaacc cgaracgttc cgaagtcaac 60
gcaagcaaag gggagtgcgg gtcggggagg aatattcttt tggaaacgta atattggcct 120
tggggctctc cagccctttg ggacttccaa tgggatctta gaagcagccg aagcagcgtg 180
agggcggcas ccagggccag ccacgatttg aacgctctgc cttgcagctc ttctggaccg 240
aggagcccaa agccctaccc tcaccattca ccaggtcctg tgggaagagc agcgtggagr 300
tgggctgagg ttagaaggtg cagagcgtgg aagaagattg tgagctgagt attggacatc 360
tgttcttgaa tagtccctgg gcctgccata ggaaaggaag ttctccaggg ttacagttct 420
tatccgcgtg aatacacatg gctctgttac gaaaaattaa tcaggtgctg ctgttccttc 480
tgatcgtgac cctctgtgtg attctgtata agaaagttca taaggggact gtgcccaaga 540
atgacgcaga tgatgaatcc gagactcctg aagaactgga agaagagatt cctgtggtga 600
tttgtgctgc agcagggagg atgggtgcca ctatggctgc catcaatagc atctacagca 660
acactgacgc caacatcttg ttctatgtag tgggactccg gaatactctg actcgaatac 720
gaaaatggat tgaacattcc aaactgagag aaataaactt taaaatcgtg gaattcaacc 780
cgatggtcct caaagggaag atcagaccag actcatcgag gcctgaattg ctccagcctc 840
tgaactttgt tcgattttat ctccctctac ttatccacca acacgaagaa agtcatctat 900
ttggacgatg atgtaattgt acaaggtgat atccaagaac tgtatgacac caccttggcc 960
ctgggccacg cggcggcttt ctcagatgac tgcgatttgc cctctgctca ggacataaac 1020
agactcgtgg gacttcagaa cacatatatg ggctatctgg actaccggaa gaaggccatc 1080
aaggaccttg gcatcagccc cagcacctgc tctttcaatc ctggtgtgat tgttgcaaca 1140
tgacagaatg gaagcaccar cgcatcacca agcaattgga gaaaggatgc aaaagaanng 1200
gaggaaaacc tttttgcang tt 1222

<210> 1968
<211> 1438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1424)
<223> n equals a,t,g, or c

<400> 1968
ncccggnctt naggaattcg gcacgagaaa aaagaaaaga aaagaaaaga aaaaaaaagg 60
tgctcaacat tactgatcat cagagaaatg caaatcaaaa ctccagtgag atatcatctc 120
cctttagtta aaatggctta tatccaaaag gcagaaaata acaaatgcaa ggatgtggag 180
gaaagggaac ccttgtatac tgttggtgta catagtggtt gaaccactat ggagaacaat 240
ttggaagttc ctcaaaaaaa caaaaaatag agctaccata tgacccagca atcccactgt 300
tgggtatata cccaaaagga aggaaatcag tatattgaag agatacctac actcccatgt 360
ttgttgcagc actgttcaca atagctaaga tttgaaggca acctaagtgt ccatcaacag 420
atgaatggat acagaaaatg tggtacgtat acacaatggg tactagtcag cctgggtgac 480
agagtgagac tgtctcaaaa aaaaagaaac aaagaaagat aaataaagaa aaagacattg 540
atgaacagta ggtaatcacc tgaaggtaca aaactcactc gtaatagtaa gtatgcaggg 600
aaaaaaagat ttttgtaaca ttgtaactat gtgtgtaatc tactcttatc ctaagtagaa 660
atctagactt agaatctaat gctgccactg atctgacagg aggcggaact cagacagtaa 720
tgttcccttg cctgctactc acctcctgct gtgtggccca gtttctaaca ggccacagac 780
tggtactggt ttgcggcctg ggggttgggg acccctgggt tatcagatag aattgcaagc 840
ctcatggtaa cctcaaacca aaaaacattc aatgaataca caacaaataa aaagcaagaa 900
agtaaattat atcaccagag aaaatcagct tcacttaagg aagacaggaa ggaaagaagg 960
aaggaagaga agaccacaaa acaaccagaa aacaagtaac aatatggcag gaataagtct 1020
ttatttatta gtaataacaa tggactaaac tctccaatca aaagatggag tggctaaata 1080
gataaaaaaa aacaagaccc attgattygy mgcctacaag aactacattt cacctataaa 1140
gacacmcata gactgaaaat aaaggggtat aaaagatact ccatgccaac agaaaccaaa 1200
aaagagcagg agttgctata cttacatcag acaaaacaga ttttaagaca aaaatctata 1260
agaagagaca aagaaggtca ctatataatg ataaggggtc aatgcagcag aggattayaa 1320
tttaatttat gaccacatga gactgattta ngaatatata gagtagaagg taagtatcat 1380

atctggatna tccatgagat gcaattcgcg aatacaagac tngnttttgt gctagata 1438

<210> 1969
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<400> 1969
agctcgtgct aaacctcttt tctttataaa ttacccagtg atgtggtttg gctgtgtccc 60
cacccaaatc tcatcttgaa ttcctacgtg ttgtgggagg gacccagtgg taggtaattg 120
aatcatggcg gcaggtcttt cccttgctat tctcgtgatc atgaataagt ctcatgagat 180
ctgatgattt taaatactgg agtttccccc gcacaagctc tctctttgcc tgctgccagc 240
catgtaagac atgacttgct cctycttgcc ttccatcatg attgtgaggc cttcccagcc 300
acgtggaact gtaagtccat taaacctctt ttttttttata aatggccaag tctcaaatat 360
gnctttatca acagcgtgaa atggactagt accgtaaatt ggtaccaata gaatggggca 420
ctgcttaaaa gatcccgaaa atgtgaaagc gactttggaa ctgggtaata ngcaaaaggt 480
tgcantgaac ttaaaatcat tgccactgna cttcaacctg ggc 523

<210> 1970
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (774)
<223> n equals a,t,g, or c

<400> 1970
nnnnaytagt tttgcanagc tatttaggtg acactataga aggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cggaaggctc cagaggctgt gggaagcagc 120
acatcagcga cagctcctgg ctgctggact ccgcagggag ggaaggaaga ttggtcgcaa 180
tgtcccagca gaagtgcatc gtgatctttg ccctggtgtg ctgctttgcc attctggttg 240
cactgatctt ttcagccgtg gacatcatgg gagaggatga ggatggactc tcagaaaaaa 300
attgccaaaa taaatgtcga attgccctgg tggaaaatat tcctgaaggc cttaactatt 360
cagaaaatgc accatttcac ttatcacttt tccaaggctg gatgaattta ctcaacatgg 420
ccaaaaagtc tgttgacata gtgtcttccc attgggatct caaccacact catccatcag 480
catgtcaggg tcaacgtctt tttgaaaagt tgctccagct gacttcgcaa aatattgaaa 540
tcaagctagt gagtgatgta acagctgatt caaaggtatt agaagccttg aaattaaagg 600
gagccgaggt gacgtacatg aacatgaccg cttacaacaa gggccggctg cagtcctcct 660
tctggatcgt ggacaaacag cacgtgtata tcggcagtgc cggtttggac tggcaatccc 720
tgggacaggt acatatactt ctatatagct gtaaatagat gatatggttt gtgnt 775

<210> 1971
<211> 1134
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 1971
gaacaagctg ttactaatgt actggagttt ctgtgcaaac tgtctaccat aaaccatgaa 60
aggattcaaa gttcatagtt ccttctttgt tcctttgtta atnactgact tcnnactagt 120
gggaggtgcc tcccaagttt gctaatgcat tctttttgga taaggatgac gcacagattg 180
tcctaataag gacttagatt gagaaagacc gccccctctg agaagagggg acaagtcaga 240
gagagggcgg gcagtttctt ttttaactag ggatgacaca agcataagtc atttccttat 300
taattggttc aaaccagttc ttacaggaac tagtggtgat aaatgtggga cttctgagaa 360
gtcattcatt ttattctttg tgccatacca gagtacagta tcagctgagc tgaccttact 420
ctgaggacta actcttttgc tggaagcggt ttctgattta cagctcttgg tttctcccag 480
acatgttggt gggagagatt ttggttttta aggggttgtt agatggagta aattttcttt 540
ttttttttt ttttttttaa ctaaaaaggg gtcacagaat ttcagcagtt ctctgatttt 600
tatattttat tcctcttcct atccaatccc tgccttttga gtccaggtgg taagtacatt 660
ttctttaacg tttttcctgc ttttcttccc aaatgtgtct ttttctttgg gctactgtac 720
cctgcttcca gtgctgtccc cggcataggt ccatctctgc agaagccatt tcaggagtac 780
ctggaggctc aacggcagaa gcttcaccac aaaagcgaaa tgggcacacc acagggagaa 840
aactggttgt cctggatgtt tgaaaagttg gtcgttgtca tggtgtgtta cttcatccta 900
tctatcatta actccatggc acaaagttat gccaaacgaa tccagcagcg gttgaactca 960
gaggagaaaa ctaaataagt agagaaagtt ttaaactgca gaaattggag tggatgggtt 1020
ctgccttaaa ttgggaggac tccaagccgg gaaggaaaat tccctttcc aacctgtatc 1080
aatttttaca actttttttcc tgaaagcagt ttagtccata ctttgcactg acat 1134

<210> 1972
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 1972
gcggnttcgt gggctgctct gcactctcag gtattccctg ctcttactcc aaaaagatgg 60
acccaggtcc gaaggggcac tgccactgtg gggggcatgg ccatcctcca ggtcactgcg 120
ggccaccccc tggccatggc ccagggccct gcgggccacc cccccaccat ggtccagggc 180
cctgcgggcc acccccctggc catggcccag ggccctgcgg gccacccccc caccatggtc 240
cagggccctg cgggcctccc cctggccatg gcccaggtca cccacccccc ggtccacatc 300
actgaggaag tagaagaaaa caggacacaa gatggcaagc ctgagagaat tgcccagctg 360
acctggaatg aggcctaaac cacaatcttc tcttcctaat aaacagcctc ytanaggcca 420
cattctattc tttaaaaaaa aaaaaanaan n 451

<210> 1973
<211> 1385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1385)
<223> n equals a,t,g, or c

<400> 1973
aagagaaaga tgtcactgtc tctaatctcc ctgtcatttt tatttccagc aggcgcgggg 60
cgaaggagct gctagaacaa tgctgaggcg ggtgaggtga ggagcagccc ctcgcggcag 120
ccccgacaga gtgtctggaa caggtgattg gaggagccgg agacccaggc acctgggcat 180
ccttcccctc gcctctgcca ggccccgcgc ccctaaaagg tgggaaaacc atggcgacca 240

atttcagtga catcgtcaag caaggctacg tgaagatgaa gagcaggaag ctcgggatct 300
accggaggtg ctggctggtg ttccggaaat cctccagcaa ggggccccag cggctggaga 360
agtatccaga tgagaagtcg gtgtgcctcc ggggctgccc caaggtgact gagatcagca 420
acgtcaagtg tgttacgcgg ctccccaagg agaccaagcg gcaggcggtg gccatcatat 480
tcactgatga ctcggcacgt accttcacct gcgactcaga gctagaggca gaggagtggt 540
acaagacact atctgtggag tgtctggggt cccgcctcaa cgacatcagt ctgggagaac 600
ctgacctcct ggccccaggg gtgcagtgtg aacagacaga tcgcttcaat gtcttcctgc 660
tgccctgccc caacctggac gtgtatggcg agtgcaagct gcagatcacc cacgagaaca 720
tctacctctg ggacatccac aacccccgtg tgaagctcgt ctcgtggscc ctctgctyam 780
tgcgccgcta tggccgggat gccacacgct ttaccttcga ggctggccgg atgtgtgatg 840
ctggggaagg actctatacc ttccagacac aagaggggga gcagatttac cagcgcgtcc 900
acagtgccac cctggccatc gcagagcagc acaagcgggt cctgctggaa atggagaaga 960
cgtgaggctg ctgaacaagg gcacggaaca ttactcgtat ccctgcacac ccacgaccat 1020
gctgcsgcgc agtgcctact ggcaccacat cactggttcc cagaacatcg ccgaagcctc 1080
cagctatgct ggtgagtcgc ttccatgccc cacacccacc tgccaggagg ctttgtggag 1140
gatgaggcct gttgggcagg ggtcttttga cctagctctg agttctgagc ctgcttctgt 1200
gcccacaggt gacgggtatg gggcaagccc aggccagctc ggaaacagac ctctcaacag 1260
attcatcctg ctaaagccaa agcccagcca gggggacaag cantgangcc aagaccccat 1320
cccagtgaca cagtgctggc gagcaccgat gactggtggn ggctgctgct tgcgggctgg 1380
cntcn 1385

<210> 1974
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 1974
tacgccncca ggccccggtc cggaattccc gggtcgaccc acgcgtccgc tttaaccaga 60
cagctcagac ctgtatggag gctgccagtg acaggttagg tttagggcag agaagaagca 120
agaccatggt ggggaagatg tggcctgtgt tgtggacact ctgtgcagtc agggtgaccg 180
tcgatgccat ctctgtggaa actccgcagg acgttcttcg ggcttcgcag ggaaagagtg 240
tcaccctgcc ctgcacctac cacacttcca cctccagtcg agagggactt attcaatggg 300
ataagctcct cctcactcat acggaaaggg tggtcatctg gccgttttca aacaaaaact 360
acatccatgg tgagctttat aagaatcgcg tcagcatatc caacaatgct gagcagtccg 420
atgcctcatc accattgatc agctgaccat ggctgacaac ggcacctacg agtgttctgt 480
ctcgctgatg tcagacctgg agggcaacac caagtcacgt gtccgcctgt tggtcctcgt 540
gccaccctcc aaaccagaat gcggcatcga gggagagacc ataattggga acaacatcca 600
gctgacctgc caatcaaagg agggctcacc aacccctcca gtacagctgg aaagargtta 660
caacatcctg aatcargagc agcccctggc ccasccacct caggttcaac ctgttctccc 720
ttaaaaaata tctcccacag aacacatc 748

<210> 1975
<211> 771
<212> DNA
<213> Homo sapiens

<400> 1975
ggccacgagg tacgtcccgg cgctccgctt ggcccaagat ggcggcctcc gtgtgcagcg 60
ggttgctggg gccacgggtg ctgtcctgga gccgagagct gccttgcgct tggcgcgccc 120
tgcacacctc cccggtctgc gccaagaacc gggcggcccg agtacgcgta agcaaggggg 180
acaagccggt gacctacgag gaggcacacg cgccgcacta catcgcccac cgtaaaggct 240
ggctgtcgct gcacacaggt aacctggatg gagaggacca tgccgcagag cgaacggtgg 300
aggatgtttt ccttcgcaag ttcatgtggg gtaccttccc aggctgcctg gctgaccagc 360
tggttttaaa gcgccggggt aaccagttgg agatctgtgc cgtggtcctg aggcagttgt 420
ctccacacaa gtactacttc ctcgtgggct acagtgaaac tttgctgtcc tacttttaca 480
aatgtcctgt gcgactccac ctccaaactg tgccctcaaa ggttgtgtat aagtacctct 540
agaacaatcc cctttttcc atcaagctgt agcctgcaga gaaaggaaac gtgggaaagg 600
aatggtatgt gggggaaatg catcccctca gaggactgag gcatagtctc tcatctgcta 660
ttgaataaag accttctatc ttgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaggggggg g 771

<210> 1976
<211> 1712
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1688)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1692)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1697)
<223> n equals a,t,g, or c

<400> 1976
ccgcgcgttg gccgattcat taatcagctg gcacgacagg tttcccgact ggaaagcggg 60
cagtgagcgc aacgcaatta atgtgagtta gctcactcat taggcacccc aggctttaca 120
ctttatgctt ccggctcgta tgttgtgtgg aattgtgagc ggataacaat ttcacacagg 180
aaacagctat gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctggt 240
acgcctgcag gtaccggtcc ggaattcccg ggtcgaccca cgcgtccggt ccctaggaga 300
taagagtatc ttgcacagca ggtgcaggtt tcccagcagc tcaggcaaga gtccgatgtt 360
tgtgccatct gatcctgatg tctggagaga tagccatgtg tgagcctgaa tttggcaatg 420
acaaggccag ggagccgagc gtgggtggca ggtggcgagt gtcctggtac gaacggtttg 480
tgcagccatg tctggtcgaa ctgctgggct ctgctctctt catcttcatc gggtgcctgt 540
cggtcattga gaatgggacg gacactgggc tgctgcagcc ggccctggcc cacgggctgg 600
ctttggggct cgtgattgcc acgctgggga atatcagtgg tggacacttc aaccctgcgg 660
tgtccctggc agccatgctg atcggaggcc tcaacctggt gatgctcctc ccgtactggg 720
tctcacagct gctcgggggg atgctcgggg ctgccttggc caaggcggtg agtcctgagg 780
agaggttctg gaatgcatct ggggcggcct ttgtgacagt ccaggagcag gggcaggtgg 840
caggggcgtt ggtggcagag atcatcctga cgacgctgct ggccctggct gtatgcatgg 900

gtgccatcaa tgagaagaca aagggccctc tggccccgtt ctccatcggc tttgccgtca 960
ccgtggatat cctggctggg ggccctgtgt ctggaggctg catgaatccc gcccgtgctt 1020
ttggacctgc ggtggtggcc aaccactgga acttccactg gatctactgg ctgggcccac 1080
tcctggctgg cctgcttgtt ggactgctca ttaggtgctt cattggagat gggaagaccc 1140
gcctcatcct gaaggctcag tgaagcagag ctcgtgggat tcctgctgct ccaggtgtcc 1200
tcagctcacc tgtcccagac tgaggacagg ggagttcctg catttcctgc cagggcagag 1260
gcccagagga gcgacccccc gcttccactg cttgggcctg ctttctcaga tagactgact 1320
gctgaggagg ctctaggttc ttggaattcc tttgtgctca tcagagaccc cagcctgggg 1380
aacacgctgc ccgcactgcc cagagagcag tgcaaacacc acaacacgag cgtgtttctt 1440
gagaggaatg tccccgagtt ggacaaggag gctgtttctg cacatcagct catttcccgc 1500
accccatttc ttkcttgatt gctttgttgg gggcctggcc acttccttgc ttctcaagct 1560
gacaattctg cactttgcaa taaatagtcc agtgtttcct tccaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaangg gnggccnttt taaaggatcc aa 1712

<210> 1977
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<400> 1977
atggtgtgac tcggccgacg cgagcgccgc gcttcgcttc agctgctagc tggcccaagg 60
gaggcgaccg cggagggtgg cgaggggcgg ccaggacccg cagccccggg gccgggccgg 120
tccggaccgc cagggagggc aggtcagtgg gcagatcgcg tccgcgggat tcaatctctg 180
cccgctctga taacagtcct tttccctggc gctcacttcg tgcctggcac ccggctgggc 240
gcctcaagac cgttgtctct tcgatcgctt ctttggactt ggcgaccatt tcagagatgt 300
cttccagaag taccaaagat ttaattaaaa gtaagtgggg atcgaagcct agtaactcca 360
aatccgaaac tacattagaa aaattaaagg gagaaattgc acacttaaag acatcagtgg 420
atgaaatcac aagtgggaaa ggaaagctga ctgataaaga gagacagaga tttttngaga 480
aaattcgagt ccttgagg 498

<210> 1978
<211> 4485
<212> DNA
<213> Homo sapiens

<400> 1978
gtaacttctc gggaagatga ggcagtttgg catctgtggc cgagttgctg ttgccgggtg 60
atagttggag cggagactta gcataatggc agaacctgtt tctccactga agcactttgt 120
gctggctaag aaggcgatta ctgcaatctt tgaccagtta ctggagtttg ttactgaagg 180
atcacatttt gttgaagcaa catataagaa tccggaactt gatcgaatag ccactgaaga 240
tgatctggta gaaatgcaag gatataaaga caagctttcc atcattggtg aggtgctatc 300
tcggagacac atgaaggtgg cattttttgg caggacaagc agtgggaaga gctctgttat 360
caatgcaatg ttgtgggata aagttctccc tagtgggatt ggccatataa ccaattgctt 420
cctaagtgtt gaaggaactg atggagataa agcctatctt atgacagaag gatcagatga 480
aaaaaagagt gtgaagacag ttaatcaact ggcccatgcc cttcacatgg acaaagattt 540

gaaagctggc tgtcttgtac gtgtgtttgg ccaaaagcaa aatgtgccct cttgagagat 600
gacctggtgt tagtagacag tccaggcaca gatgtcacta cagagctgga tagctggatt 660
gataagtttt gcctagatgc tgatgtcttt gttttggtcg caaactctga atcaacacta 720
atgaatacgg aaaaacactt ttttcacaag gtgaatgagc ggctttccaa gcctaatatt 780
ttcattctca ataatcgttg ggatgcctct gcatcagagc cagaatatat ggaagacgta 840
cgcagacagc acatggaaag atgcctgcat ttcttggtgg aggagctcaa agttgtaaat 900
gctttagaag cacrgaatcg tatcttcttt gtttcagcaa aggaagttct tagtgctaga 960
aagcaaaaag cacaggggat gccagaaagt ggtgtggcac ttgctgaagg atttcatgca 1020
agattacagg aatttcagaa ttttgaacaa atctttgagg taggaatttt gtgattgtat 1080
tgcctaatac aaaactcttt ctttggttgg agaaagcata atcttctatt tttatccttt 1140
gtctttgtca ataacttttg ctgttattta gtttagttac tgacacagcc agtaaaatgt 1200
ggaaagtgaa gaaaaggagc ccctgcaaaa tgatttgtaa gaattgagaa ttaaagattg 1260
taatttattc cttattctta tttttatgta ttttatataa ataagaaact gtgtttcaat 1320
attgctgtgt tgtgcaatga atgaaattcc ctgtattcaa taatttggaa caagagtaaa 1380
caagcgtaat tgctgttgga atggataata gagcaaagta agcattatcc ttttttactt 1440
tgtgccgcat gactaataga agtatacaaa acatgattaa tgccatttga caaaatttta 1500
ttatatttat atactgtgtt accacatgtc cattctccat attttgtgcc aaacattcta 1560
aatgaataat tgagtagaaa agagcttcag cgttttcaga aacttctagg aaactattga 1620
agtgcctgag tggtagatgg ggagggaggc tagtttctta tgttgcattg taagtgtttt 1680
tattcagaga cattaaaact caccctacat ttgactgaat agttctttag atattaacct 1740
tctgaacccc tattttgccc tgtataattc atatcacctt cccacttagg aatgaacaca 1800
gtgacttcag cattgaagaa acctcagtct gtaattattc ttataagtag taactgcttt 1860
aatgtaaagg ggacatgaat gttgagtata cttggcagga tttttaaaat aaaaaatgtg 1920
cttactatct ctcatcttta atttggtgag agaaaaaagg ttattagaca gatgaagaca 1980
aactggaaga aagcaaatcc actgccagct atctcgataa gatctaattg ttcagaggct 2040
actggattat cagtagatgt cctctcaagc caagctatag gatacgtgaa gtccccgtta 2100
ctcaaagact attgtttgtt ttttttcttt tccttttgct ttcaccaaag ggttgatgct 2160
ctcctcacct ctttttttctc ttaaagaaat gggatctccc tctgttatcc aggctggagt 2220
gcagttgggc aatcatagcg cattgcagcc tcgaactcct gggctcaaat ggtcctccca 2280
cctcagcctc ctctcctcac tgttatcagt tatttcatcc atggggaaaa tatgtaggga 2340
gaggatctat tctacttcct tgtctttatt tactgacctt agtatatatg tgttttatgt 2400
atgtttatca ttgatttctt ctaaattata catttatata atgtataatt gtgtaatgtt 2460
ctgttacaca tttatactgc ttccatattg gttcatggta tagcttgtgc ttcccaagaa 2520
tatctcgttg aggaggtggg aatgagaaga ataagatatg ctgtagggaa ttggttcata 2580
agcctagctg atcatcagaa tcacatgacg tgctttagag aaccacaggc tcctgaccta 2640
tcctatcccc aaccccagat ccaggggttt ggggttggtc taggaatcta tatacatata 2700
tattcaaagt tccccaagtg attgcaataa tcagacagac ttaggaacta ttctttttaa 2760
atgtttttag aggaaacttg gcagtttatg ttttattcta atggtccatt tgggattcta 2820
aaatttatgt atggaaaaaa ttgcttatga gcagtagctt tttgttttta cttaaagtca 2880
tggratgtcc agctttagag tttgaaaatt ttaagtctga aatatctaaa atgagaatca 2940
gttaaaaatt atttgaattt ttccaaacaa tcagctgggc aaaaaatatt atgtctgaat 3000
gtattaaaaa gagacaaaac attttttgtt aattaattac attgaaagtt ttagtcagct 3060
ttattccaaa actggtattt gttacttctt aagtcagttt tggtaatttc tgatttctta 3120
gaaattggtg tatttctgaa catttataat ttagtagcat aaaattgttt gttttgaatc 3180
tcttgtttct cacttctata tttaaatata aatatatatc tacatataca tacacacaca 3240
gacccttaat gggtttgcca atgatttatc atccaaagac acagccccag ctcttatgta 3300
atttatcact taataaatat catttttggg gtttcattca ctaagttctt ttttttttt 3360
ttttttttt tgagacagag tctcgctctg tcgccgccag gctggaatga gggagtgagt 3420
gcagcggcgc gatgtcagct cactacaacc tccggctcct gggttcaagg gactcttctg 3480
cctcagcttc cctagtagct gggactacag gggcacacca ctacatccgg ctaatttttg 3540
tatttttagt agagacgggg ttacacagtg ttggccagga tggtctcgat ctcctgacct 3600

catgatccac ccgccttggc ctcccaaagt gctgggacta caggcgtgag ccaccgtgcc 3660
tggcctgtgt tcgtctttaa cattgtttac gttgaagatg cattggtttt tgcttattct 3720
taaagaaaag attcaggatt gtgaatttgt gactgcagct ttaggcgtat cccaaggttt 3780
tcagtactag tttagttttt gttgtttttg tttctaatta tccttttggc atttccttat 3840
caatataaga ctttttaaaa ttcaagtgtt ttgattcatt ttatccaatt tttggttact 3900
aatttcttgg tttctttgtg ttgtggtcac atcatgtggc ttttacacac attttctctg 3960
ttttggggat ttgctacttt tttttgtagt cgtgcaagat tttttgtgaa aagaaaaact 4020
gtatcaagtt catcaccttt atcaatttga cctgtgccgt gaacttcttt agattcattt 4080
gattcaaatg gatctaagta ttttaaacat ttagaatact aatttaagca aggcttgaaa 4140
attaaatgga gtaaaagcaa taaaaaaaat caatattagc ctgggcattg gtggctcatg 4200
ccagtaatgc cagtactttg ggatgccaaa gcaggaagat ctcttgagct taggagattg 4260
agatcaggtt gggcaaaaac atgaaaagac taaatcacat ctctagcagg aaaaaaaaaa 4320
aatccagata tgatagctca tgactatagt cacagctacc ccagaggctg aggtggaagg 4380
ccaagaagtt tgaggctgtg gtgatggtga gctatggagg taccactgtg ctccaacctg 4440
tgtgacagag tgagactctc ttttctttca aaaaaaaaaa aaaaa 4485

<210> 1979
<211> 2486
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2470)
<223> n equals a,t,g, or c

<400> 1979
ngnacgttna tcttccaagg ncccactata gaaggtacgc ctgcaggtac cggtccggaa 60
ttcccggtcg acccacgcgt ccgcggacgc gtgggcggac gcgtgggcgc agccccggag 120
cccgggccag ggtccacctg tccccgcagc gccggctcgc gccctcctgc cgcagccacc 180
gagccgccgt ctagcgcccc gacctcgcca ccatgagagc cctgctggcg cgcctgcttc 240
tctgcgtcct ggtcgtgagc gactccaaag gcagcaatga acttcatcaa gttccatcga 300
actgtgactg tctaaatgga ggaacatgtg tgtccaacaa gtacttctcc aacattcact 360
ggtgcaactg cccaaagaaa ttcggagggc agcactgtga aatagataag tcaaaaacct 420
gctatgaggg gaatggtcac ttttaccgag gaaaggccag cactgacacc atgggccggc 480
cctgcctgcc ctggaactct gccactgtcc ttcagcaaac gtaccatgcc cacagatctg 540
atgctcttca gctgggcctg gggaaacata attactgcag gaacccagac aaccggaggc 600
gaccctggtg ctatgtgcag gtgggcctaa agccgcttgt ccaagagtgc atggtgcatg 660
actgcgcaga tggaaaaaag ccctcctctc ctccagaaga attaaaattt cagtgtggcc 720
aaaagactct gaggccccgc tttaagatta ttgggggaga attcaccacc atcgagaacc 780
agccctggtt tgcggccatc tacaggaggc accgggggggg ctctgtcacc tacgtgtgtg 840
gaggcagcct catcagccct tgctgggtga tcagcgccac acactgcttc attgattacc 900
caaagaagga ggactacatc gtctacctgg gtcgctcaag gcttaactcc aacacgcaag 960
gggagatgaa gtttgaggtg gaaaacctca tcctacacaa ggactacagc gctgacacgc 1020
ttgctcacca caacgacatt gccttgctga agatccgttc caaggagggc aggtgtgcgc 1080
agcatcccgg actatacaga ccatctgcct gccctcgatg tataacgatc cccagtttgg 1140
cacaagctgt gagatcactg gctttggaaa agagaattct accgactatc tctatccgga 1200
gcagctgaaa atgactgttg tgaagctgat ttcccaccgg gagtgtcagc agccccacta 1260
ctacggctct gaagtcacca ccaaaatgct gtgtgctgct gacccacagt ggaaaacaga 1320
ttcctgccag ggagactcag ggggacccct cgtctgttcc ctccaaggcc gcatgacttt 1380
gactggaatt gtgagctggg gccgtggatg tgccctgaag gacaagccag gcgtctacac 1440
gagagtctca cacttcttac cctggatccg cagtcacacc aaggaagaga atggcctggc 1500
cctctgaggg tccccaggga ggaaacgggc accacccgct ttcttgctgg ttgtcatttt 1560
tgcagtagag tcatctccat cagctgtaag aagagactgg gaagataggc tctgcacaga 1620
tggatttgcc tgtgccaccc accagggyga acgacaatag ctttaccctc aggcataggc 1680
ctgggtgctg gctgcccaga cccctctggc caggatggag gggtggtcct gactcaacat 1740
gttactgacc agcaacttgt ctttttctgg actgaagcct gcaggagtta aaaagggcag 1800
ggcatctcct gtgcatgggt gaagggagag ccagctcccc cgacggtggg catttgtgag 1860
gcccatggtt gagaaatgaa taatttccca attaggaagt gtaacagctg aggtctcttg 1920
agggagctta gccaatgtgg gagcagcggt ttggggagca gagacactaa cgacttcagg 1980
gcagggctct gatattccat gaatgtatca ggaaatatat atgtgtgtgt atgtttgcac 2040
acttgtgtgt gggctgtgag tgtaagtgtg agtaagagct ggtgtctgat tgttaagtct 2100
aaatatttcc ttaaactgtg tggactgtga tgccacacag agtggtcttt ctggagaggt 2160
tataggtcac tcctggggcc tcttgggtcc cccacgtgac agtgcctggg aatgtattat 2220
tctgcagcat gacctgtgac cagcactgtc tcagtttcac tttcacatag atgtcccttt 2280
cttggccagt tatcccttcc ttttagccta gttcatccaa tcctcactgg gtggggtgag 2340
gaccactcct tacactgaat atttatattt cactattttt atttatattt ttgtaatttt 2400
aaataaaagt gatcaataaa atgtgatttt tctganaaaa aaaaaaaaaa aaaaccgagg 2460
ggggnccggn accaattcgc cctaaa 2486

<210> 1980
<211> 915

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (724)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (825)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (845)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (848)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (855)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (886)
<223> n equals a,t,g, or c

<400> 1980
ggagcgcaac gcaattaatg tgagttagct cactcattag gcaccccagg ctttacactt 60
tatgcttccg gctcgtatgt tgtgtggaat tgtgagcgga taacaatttc ncacaggaaa 120
cagctatgac catgattacg ccaagctcga aattaaccct cactaaaggg ancaaaagct 180
ggagctccac cgcggtggcg gccgctctag aactagtgga tcccccgkkc tgcaggaatt 240
cggcacgaga ggacataaca gaagcaatag agactaccat tagtcttgaa acagcacgtg 300
cagaccatcc gaagcctgta actgtgaaac cagtaacaac ggaacctcag agtccagatc 360
tgaacgatgc cgtgtccagt ttgcgaagtc ctattccccc cctcctgtcg tgtgcctttg 420

ttcaggtggg gatgtatttc atgtagaagg tggaagaagg ctgctatgac tctttggatg 480
ggagtctggc aagaggaaat tggaagataa aataaataat aagtgaaata aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaact cgagggggg cccggtaccc aattcgccct atagtgagtc 600
gtattacaat tcactggccg tcgttttaca acgtcgtgac tgggaaaacc ctggcgttac 660
ccaacttaat cgccttgcag cacatccccc tttcgccagc tggcgtaata gcgaagaggc 720
ccgnaccgat cgccttccaa cagttgcgca acctgaatgg cgaatggcaa attgtaaagc 780
gttaatattt tggtaaaatt cgcggtaaat tttggtaaat caagntcatt ttttaaccaa 840
taggnccnaa tcggnaaaat cccttataaa tcaaaaggaa tttganccgg gaatagggtt 900
gaatggttgt tccaa 915

<210> 1981
<211> 1427
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 1981
ggaaaatctt ctgacactat ntaaggnacg cctgcnggta ccggtccgga attcccgggt 60
cgacccacgc gtccggggaa gctcgtggcg ctggtcctgc tgggggtcgg cctgtcctta 120
gtcggggaga tgttcctggc gtttagagaa agggtgaatg cctctcgaga agtggagcca 180
gtagaacctg aaaactgcca ccttattgag gaacttgaaa gtggctctga agatattgat 240
atacttccta gtgggctggc ttttatctcc agtggattaa aatatccagg catgccaaac 300
tttgcgccag atgaaccagg aaaaatcttc ttgatggatc tgaatgaaca aaacccaagg 360
gcacaagcgc tagaaatcag tggtggattt gacaaagaat tatttaatcc acatgggatc 420
agtattttca tcgacaaaga caatactgtg tatctttatg ttgtgaatca tccccacatg 480
aagtccactg tggagatatt taaatttgag gaacaacaac gttctctggt atacctgaaa 540
actataaaac atgaacttct caaaagtgtg aatgacattg tggttcttgg accagaacag 600
ttctatgcca ccagagacca ctattttacc aactccctcc tgtcattttt tgagatgatc 660
ttggatcttc gctggactta tgttcttttc tacagcccaa gggaggttaa agtggtggcc 720
aaaggatttt gtagtgccaa tgggatcaca gtctcagcag accagaagta tgtctatgta 780
gctgatgtag cagctaagaa cattcacata atggaaaaac atgataactg ggatttaact 840
caactgaagg tgatacagtt gggcacctta gtggataacc tgactgtcga tcctgccaca 900
ggagacattt tggcaggatg ccatcctaat cctatgaagc tactgaacta taaccctgag 960
gaccctccag gatcagaagt acttcgcatc cagaatgttt tgtctgagaa gcccagggtg 1020
agcaccgtgt atgccaacaa tggctctgtg cttcagggca cctctgtggc ttctgtgtac 1080
catgggaaaa ttctcatagg caccgtattt cacaaaactc tgtactgtga gctctagact 1140
ctagatagta aaaaaaaaaa aaaaaagtct acatattttg taaaagtaaa ctgataattg 1200

tatgataagt ggcactgtaa gtaaatagca aacaccaacc agtgagtgtg gcttttctta 1260
tggatagaag taaaggagca gacagagatt ccttgatagc catcaaattg caagtcaggt 1320
taatgacagt ccaacaagaa gccaaacttt acggatcttt gttagcagcc ccaatgttct 1380
ttctacaata aaacatgtgg actatgtcca gtgaggtctc cgactca 1427

<210> 1982
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (600)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (626)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (682)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (699)
<223> n equals a,t,g, or c

<400> 1982
tgctgatgca ggccatctcc ctcttctccn cagaccgtcc aggtgtgctg cagcaccgcg 60
tggtggacca gctgcaggag caattcgcca ttactctgaa gtcctacatt gaatgcaatc 120
ggccccagcc tgctcatagg ttcttgttcc tgaagatcat ggctatgctc accgagctcc 180
gcagcatcaa tgctcagcac acccagcggc tgctgcgcat ccaggacata cacccctttg 240
ctacgccccc catgcaggag ttgttcggca tcacaggtag ctgagcggct gcccttgggt 300

gacacctccg agaggcagcc agacccagag ccctctgagc cgccactccc gggccaagac 360
agatggacac tgccaagagc cgacaatgcc ctgctggcct gtctccctag ggaattcctg 420
ctatgacagc tggctagcat tcctcaggaa ggacatgggt gccccccacc cccagttcag 480
tctgtaggga gtgaarccac agactcttac stggagagtg cactgacctg taggtcagga 540
ccatcagaga ggcaaggttg nccttttctt taaaaggccc tgtggtcntg gggagaaatn 600
cctcagatcc cactaaaagt gtcaangtgt tgaaagggac caaagccgac caaaggatag 660
ggcattcctg ggggtctaat gncccaacaa taccccacnt tttgggttcg g 711

<210> 1983
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<400> 1983
aaaasgtmac gcctgacagg tmaccggatc cgggaattcc cgggtcgacc cacggcgtcc 60
gcatttgcaa taacagaaaa ggaattgcat gtatgaagtt ttcaatcgtg ggcttttctt 120
tgttgtgggg agggggtcgg gggatagttt gatttccatt ttctgaaaac gacagacttg 180
gattctgttt gtgtgtgcat attttatcca gccttaagtt ataaagctca tctgtcccgc 240
tgcattccct gtgtattttc aggacatggc tcgtgggtgt gtgtgttcat tgtgtgcgtc 300
tgtatgtatt ttnctgtcat cactgttccc tctcctcccg agtgtgcatt cagttaatat 360
aatcagttgc ttgcntcttt caaagtgctt tgaaagtctg aactcatgtg tgagcatttt 420
atcaactatc ccaattgcag ttctccatca caaatctcct attggccngt acccctgaga 480
atagtttaga gaatggaata agcngtctgg aagatagcta gcg 523

<210> 1984
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 1984
atctactagg agtcagggtg taagcctaga gaggatgaaa gaaggggagg ggatggggag 60
tggtaagaac ctaggatttg aattcccagc ctggccaacc cttgcagcca tgtcttggcc 120
tcaagtggaa caagggctcc ttgaggccag cagggttggg ggagttgggg tgggcctgag 180
cctctttcct gctagagctc ttggtcctcc ctgcctccac cacccatccc tgctctgcag 240
aacccctggg tgctgagtgg caggagcccc agggttgtcc catctgggta tggctggctg 300
ggtcactaac ttctgtgatc tgcttccttc ctttccagat tatgcggatc aaacctcacc 360
aaggccagca cataggagag atgagcttcc tacagcacaa caaatgtgaa tgcagancaa 420
agnaagatag agcaagacaa gaaaatccct gtgggccttn ctca 464

<210> 1985
<211> 1233
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)

<223> n equals a,t,g, or c

<400> 1985
atggaaaaac gccagcaacg cggccttttt acggttcctg gccttttgnt ggcctttgc 60
tcacatgttc tntcctgcgt tatcccctga ttntgtggat aaccgtatta ccgcctttga 120
gtgagctgat accgntcgcc gcagccgaac gaccgagcgc agngagtcag tgagcgagga 180
agcggaagag cgcccaatac gcaaaccgcc tctcccccgc gcgttggccg atttcattaa 240
tgcagctggc acgacaggtt tcccgactgg aaagcgggca gtgagcgcaa cgcaattaat 300
gtgagttagc tcactcatta ggcaccccag gctttacact ttatgcttcc ggctcgtatg 360
ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa acagctatga ccatgattac 420
gccaagctcg aaattaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtggc 480
ggccgctcta gaactagtgg atcccccggg ctgcaggaat tcggcacgag catggttgtt 540
gcaaaacttt cttctatttc ttctcctcct ggtattctca ttactctgtt tcaccttgtg 600
tagttgtccc acagtcttgg atatcatctt ctgttctttt cagtgtttct tttctttagt 660
tttcgaagtt tctgatgata aatcctcaag ctcagagatt ctttactcag ctgagtccag 720
tctactaata agccatcaga ggtattcttc agttatttaa cacatttttt accactacat 780
tatgttgaag tttcttacga tgtctgtctt tctgattaca ttacccatct acacttgaat 840
gctgtctact tcattcatta gacccttagc atattctcca gaggtttaaa aaaatttcca 900
aaatcataac tttgtctgct tctgaagctt gctctgttga cacaaattgt attttttttct 960
ttttttggat tttagtatgc cttgcaattt tttcccttta ttctcatgca tgaagcaccc 1020
cactaaargt gactgytgtt agtatagctt tartaatgcg gtgatgargt gacagggcag 1080
gtgatgctct cttagtctct ttargctact ataacaaaat actttagact gagccsaata 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaac tcgaggggggg 1200
gcccgaccca attcgcccta ctacgtgcgt cga 1233

<210> 1986
<211> 1583
<212> DNA
<213> Homo sapiens

<400> 1986
ctgctggctc acctccgagc cacctctgct gcgcaccgca gcctcggacc tacagcccag 60
gatactttgg gacttgccgg cgctcagaaa cgcgcccaga cggcccctcc acctttttgtt 120
tgcctagggt cgccgagagc gcccggaggg aaccgcctgg ccttcgggga ccaccaattt 180
tgtctggaac caccctcccg gcgtatccta ctccctgtgc cgcgaggcca tcgcttcact 240
ggaggggtcg atttgtgtgt agtttggtga caagatttgc attcacctgg cccaaaccct 300
ttttgtctct ttgggtgacc ggaaaactcc acctcaagtt ttcttttgtg gggctgcccc 360
ccaagtgtcg tttgttttac tgtagggtct cccgcccggc gcccccagtg ttttctgagg 420
gcggaaatgg ccaattcggg cctgcagttg ctgggcttct ccatggccct gctgggctgg 480
gtgggtctgg tggcctgcac cgccatcccg cagtggcaga tgagctccta tgcgggtgac 540
aacatcatca cggcccaggc catgtacaag gggctgtgga tggactgcgt cacgcagagc 600
acggggatga tgagctgcaa aatgtacgac tcggtgctcg ccctgtccgc ggccttgcag 660
gccactcgag ccctaatggt ggtctccctg gtgctgggct tcctggccat gtttgtggcc 720
acgatgggca tgaagtgcac gcgctgtggg ggagacgaca aagtgaagaa ggcccgtata 780
gccatgggtg gaggcataat tttcatcgtg gcaggtcttg ccgccttggt agcttgctcc 840
tggtatggcc atcagattgt cacagacttt tataaccctt tgatccctac caacattaag 900
tatgagtttg gccctgccat ctttattggc tgggcagggt ctgccctagt catcctggga 960
ggtgcactgc tctcctgttc ctgtcctggg aatgagagca aggctgggta ccgtgcaccc 1020
cgctcttacc ctaagtccaa ctcttccaag gagtatgtgt gacctgggat ctccttgccc 1080
cagcctgaca ggctatggga gtgtctagat gcctgaaagg gcctggggct gagctcagcc 1140
tgtgggcagg gtgccggaca aaggcctcct ggtcactctg tccctgcact ccatgtatag 1200

tcctcttggg ttgggggtgg gggggtgccg ttggtgggag agacaaaaag agggagagtg 1260
tgctttttgt acagtaataa aaaataagta ttgggaagca ggctttttc ccttcagggc 1320
ctctgctttc ctcccgtcca gatccttgca gggagcttgg aaccttagtg cacctacttc 1380
agttcagaac acttagcacc ccactgactc cactgacaat tgactaaaag atgcaggtgc 1440
tcgtatctcg acattcattc ccacccccct cttatttaaa tagctaccaa agtacttctt 1500
ttttaataaa aaaataaaga tttttattag gtaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaa 1583

<210> 1987
<211> 521
<212> DNA
<213> Homo sapiens

<400> 1987
tgaaaaccat ccgtctgcca cgctggctgg cccccagccc ccaacctcca tcctgcagga 60
gggtccgaag tgcttttcct ctaaccagat tctgtcttct ctccagcagc ctcgcccacc 120
aaggagatcc aggttaaaaa gtacaagtgt ggcctcatca agccctgccc agccaactac 180
tttgcgttta aaatctgcag tggggccgcc aacgtcgtgg gccctactat gtgctttgaa 240
gaccgcatga tcatgagtcc tgtgaaaaac aatgtgggca gaggcctaaa catcgccctg 300
gtgaatggaa ccacgggagc tgtgctggga cagaaggcat ttgacatgta ctctggagat 360
gttatgcacc tagtgaaatt ccttaaagaa attccggggg gtgcactggt gctggtggcc 420
tcctacgacg atccagggac caaaatgaac gatgaaagca ggaaactctt ctctgacttg 480
gggagttcct acgcaaaaca actgggcttc gggacagtgg g 521

<210> 1988
<211> 346
<212> DNA
<213> Homo sapiens

<400> 1988
gcttgagtcc agatcttgta ctcctctcat atttcttctg aaacatttaa aagtgtacat 60
tggttgtcaa atgtcaaaca ttacttactt catacttttt tcctccaatc tttatttcac 120
agttgttcag gggatgaagg aagctcagga aaggctgacg ggtgatgcct tcagaaagaa 180
acatcttgaa gatgaattgt aacatgaatg tgccccttct ttcatcagar ttagtgttct 240
ggaaggaaag cagcagggaa agggaatatt gaggaatcmt ctagaacaat taagccgamc 300
aggaaactca tycctaccta cctggaaaga mgtccccccc cccccc 346

<210> 1989
<211> 952
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (944)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (945)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (947)
<223> n equals a,t,g, or c

<400> 1989
ggcacgaggc cctcgcggcc tggccccgcc gcgcccggcg cgcccgccgc ccgggggggat 60
gtcttacaaa ccgaacttgg ccgcgcacat gcccgccgcc gccctcaacg ccgctgggag 120
tgtccactcg ccttccacca gcatggcaac gtcttcacag taccgccagc tgctcagtga 180
ctacgggcca ccgtccctag gctacaccca gggaactggg aacagccagg tgccccaaag 240
caaatacgcg gagctgctgg ccatcattga agagctgggg aaggagatca gacccacgta 300
cgcagggagc aagagtgcca tggagaggct gaagcgcggc atcattcacg ctagaggact 360
ggttcgggag tgcttggcag aaacggaacg gaatgccaga tcctagctgc cttgttggtt 420
ttgaaggatt tccatctttt tacaagatga gaagttacag ttcatctccc ctgttcagat 480
gaaaccttg ttttcaaaat ggttacagtt tcgtttttcc tcccatggtt cacttggctc 540
tgaacctaca gtctcaaaga ttgagaaaag attttgcagt taattaggat ttgcatttta 600
agtagttagg aactgcccag gttttttttg ttttttaagc attgatttaa aagatgcacg 660
gaaagttatc ttacagcaaa ctgtagtttg cctccaagac accattgtct ccctttaatc 720
ttctcttttg tatacatttg ttacccatgg tgttctttgt tccttttcat aagctaatac 780
cactgtaggg attttgtttt gaacgcatat tgacagcacg ctttacttag tagccggttc 840
ccatttgcca tacaatgtag gttctgctta atgtaacttc ttttttgctt aagcatttgc 900
atgactatta gtgcttcwwa gtcaattggg ccrkgcactt tttnntnaga gg 952

<210> 1990
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (357)
<223> n equals a,t,g, or c

<400> 1990
atnanccctc actaaaggga acaaaagcng ggngctccac cgcggtgtcg gccgctctag 60
aactagtgga tccccccgggc tgcaggaatt cggcacgagt attgggacag gtggctttgc 120
aaaggtcaaa cttgcctgcc atatccttac tggagagatg gtagctataa aaatcatgga 180
taaaaacaca ctagggagtg atttgccccg gatcaaaacg gagattgagg ccttgaagaa 240
cctgagacat cagcatatat gtcaactcta ccatgtgcta gagacagcca acaaaatatt 300
catggttctt gagtactgcc ctggaggaga gctgtttgac tatataattt cccaggntcg 360
cctgtcagaa gaggagaccc gggttgtctt ccgtcagata gtatctgctg ttgcttatgt 420
gcacagccag ggctatgctc acagggacct caagccagaa aatttgctgt ttgatgaata 480
tcataaatta aagctgattg actttggtct ctgtgcaaaa cccaagggta acaaggatta 540
ccatctacag acatgctgtg ggagtctggc ttatgcagca cctgagttaa tacaaggcaa 600
atcata 606

<210> 1991
<211> 1097
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (905)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (916)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (940)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1031)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1056)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1080)
<223> n equals a,t,g, or c

<400> 1991
tcgacccacg cgtccggtgc agtacgagct gtgggccgcg ctgcctggcg cctccggggt 60
cgccctggcc tgctgcttcg tggcggcggc cgtggccctg cgctggtccg ggcgccggac 120
ggcggtggcg cggtggtccg ggcgcgacag aggcagcgag cgggcctgga gaacatggac 180
agggcggcgc accttccggc tccagaaccc agacctggac tcagaggcgc tgctagccct 240
gcccctgcct cagctggtgc agaagttaca cagtagagag ctggcccctg aggccgtgct 300
mttcacctat gtgggaaagg cctgggaagt gaacaaaggg accaactgtg tgacctccta 360
tctggctgac tgtgagactc agctgtctca ggccccaagg cagggcctgc tctatggcgt 420
ccctgtgagc ctcaaggagt gcttcaccta caagggccag gactccacgc tgggcttgag 480
cctgaatgaa ggggtgccgg cggagtgcga cagcgtagtg gtgcatgtgc tgaagctgca 540
gggtgccgtg cccttcgtgc acaccaatgt tccacagtcc atgttcagct atgactgcag 600
taacccctc tttggccaga ccgtgaaccc atggaagtcc tccaaaagcc caggggytc 660
ctcaggggt gaaggggccc tcatcgggtc tggaggytyc cccctgggyt taggcactga 720
tatcggaggc agcatccgyt tcccctcctc cttctgcggc atctgcggcc tcaagcccac 780
agggaacccg mctcaatgcg tctctccgtg ggccccatgg cccgggacgt ggaaaagcct 840
ggcacttgtg cctgcgaacc ctgcttgtgc caaggacatg tttccgcttg gacccaatgt 900
gcctncccttg cccttnaaga agaggtctac accaagtttn aacccctgcg tgtggggtac 960
tatgagaatt gacaactata ccatgccttc ccggcatgaa gcggccctgc ttggaaacaa 1020
acagagctta ngttggggga cacctgcaag ctgcanttct aaaacataag ctgtcggtgn 1080
aattggaatt gaacaat 1097

<210> 1992
<211> 903
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (745)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (801)
<223> n equals a,t,g, or c

<400> 1992
ncnaaattaa ccctcactaa agggaacaaa agctggagct ccaccgcggt gncgtccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gaggcacctt cttcaagatg 120
gagctttttg aaggcatgcg agagagcacc aagatttcat ctctgttggc agaattggag 180
gcaattcaaa gaaattcagc atcccaaaag agtgtcattg tctctcagtg gaccaacatg 240
ctgaaagttg tagcattgca cctgaagaag catggactga cttatgccac catcgatggc 300
tctgtcaatc ccaagcagag aatggacttg gtagaggcat ttaaccactc cagaggccct 360
caggtaatgc taatctctct cttggccgga gtgttggtct aaacctgact ggaggaaatc 420
acctctttct tttggacatg cactggaatc catcacttga agatcaagct tgtgaccgaa 480
tttaccgagt agggcagcag aaagatgttg tcatacacag rtttgtttgt gagggaacag 540
tagaagaaaa gatcttacag ctccaagaaa aaaagraaga tttggccaaa caagttctat 600
cagggtctgg agaatctgtc accaagctca ccttggctga cctcagagtc ctttttggca 660
tctaacctcc tgtggataag ggctcagaat agcaccattg ctgtgatgtt gcacctgtaa 720
ccatcttttt atgggtggag caganagtca atccctgcag ccaccctgca gccagccatc 780
tctgcagttc tctcagtgca ngcagttctt cctctcaggc tgaagatcaa ggagatgctt 840
tgtwcatgaa cagatgctga rtatctgtta tcattgtatt gtttartgtc agtgtatcat 900
tta 903

<210> 1993
<211> 2999
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2996)
<223> n equals a,t,g, or c

<400> 1993
tttttttta ttttttggtt tagcatttaa taggcacata atcaacattt actgttcaat 60
tgaaacaaaa ttaaaattgg gcgctgtctc tatctttatt tgtgatcggc cctaactgca 120
ctggcaatct tttccgtttt tttgttttct gttttccatt cgcatgcccc ttagcgtacc 180
tggggctccg gctcctttac aaatgaaacc caaagtgctc cgaagcacag ccagcgaaag 240
ganaaactct gaaacggaca agatggctgc cacctcttcg cgcctcttag tcccacccac 300
tcagggcgga ggtctgcgtc atgtgaccct ccccttcttg gctccgctcc taccgcagtg 360
cttgacggga ggcggacggg gaacgaggcc gtcggcattt tgtgtctgct tcctgtggga 420
cgtggtggta gccgttgggt tgggaaagtg agggattttt ggcctcgttt ctcctgcttc 480
ttttctcctc ccttttactt tgccggtaga acacagttat gggtcgcaag aagaagaagc 540
agctgaagcc gtggtgctgg tattgtaata gagattttga tgatgagaag atccttattc 600
agcaccaaaa agcaaagcat tttaaatgcc atatatgtca caagaaattg tatacaggac 660
ctggcttagc tattcattgc atgcaggtac ataaagaaac aatagatgcc gtaccaaatg 720

caatacctgg aagaacagac atagagttgg aaatatatgg tatggaaggt attccagaaa 780
aagacatgga tgaaagacga cgacttcttg aacagaaaac acaagaaagt caaaaaaaga 840
agcaacaaga tgattctgat gaatatgatg atgacgactc tgcagcctca acttcatttc 900
agccacagcc tgttcaacct cagcaaggtt atattcctcc aatggcacag ccaggactgc 960
caccagtacc aggagcacca ggaatgcctc caggcatacc tccattaatg ccaggtgttc 1020
ctcctctgat gccaggaatg ccaccagtta tgccaggcat gccacctgga ttgcatcatc 1080
agagaaaata cacccagtca ttttgcggtg aaaacataat gatgccaatg ggtggaatga 1140
tgccacctgg accaggaata ccacctctga tgcctggaat gccaccaggt atgcccccac 1200
ctgttccacg tcctggaatt cctccaatga ctcaagcaca ggctgtttca gcgccaggta 1260
ttcttaatag accacctgca ccaacagcaa ctgtacctgc cccacagcct ccagttacta 1320
agcctctttt ccccagtgct ggacaggctc aggcagctgt ccaaggacct gttggtacag 1380
atttcaaacc cttaaatagt acccctgcaa caactacaga acccccaaag cctacattcc 1440
ctgcttatac acagtctaca gcttcaacaa ctagtacaac aaatagtact gcagctaaac 1500
cagcggcttc aataacaagt aagcctgcta cacttacaac aactagtgca accagtaagt 1560
tgatccatcc agatgaggat atatccctgg aagagagaag ggcacagtta cctaagtatc 1620
aacgtaatct tcctcggcca ggacaggccc ccatcggtaa tccaccagtt ggaccaattg 1680
gaggtatgat gccaccacag ccaggcatcc cacagcaaca aggaatgaga cccccaatgc 1740
cacctcatgg tcagtatggt ggtcatcatc aaggcatgcc aggatacctt cctggtgcta 1800
tgcccccgta tgggcaggga ccgccaatgg tgccccctta ccagggtggg cctcctcgac 1860
ctccgatggg aatgagacct cctgtaatgt cgcaaggtgg ccgttactga tcttacttca 1920
tccagtctaa taggtttgga gattaaacct tttctcaact tgtgctgttt atatagccaa 1980
gcttccgtca ataaggcttc attgtgactt taacaaacat tatcttccca cataccagga 2040
actattggac atttatttta catgggaaaa attatttgga ataataaagc aggaactttt 2100
cctgaagttg caatttatac tgtatggctt ctttttcatg tttcatctag gtttttagaa 2160
gtgaagtata gtaaatttgg ttcgttaaat tgtgaaggcg ctggaattac atgaacatac 2220
caccctagta aaggcaagtt ctgtaagctt acattgctat ttgtaaagtt tgccttcaca 2280
gcatttcaga tgctgttgga cttcatgtcc ccaacctagc ttggtgaggg ctgtaactgt 2340
ttccaagtac ttgtacattg gaagtctgaa tgtgtaacaa tatttaatgt atttagagtt 2400
cctcatgttg cagggtttaa gaaatctgac ccaccaaggt catgtgactt ttctgtactg 2460
ttaaacttca ttgtaataaa atgagagaaa aatttatgcc tttttattca taacccagct 2520
gtggaccact gcctgaaagg tttgtacaga tgcatgccac agtagatgtc cacataataa 2580
aattcatagt taccaatgca gtttanatat atcattggat tctgtctttg agttgtaggt 2640
tatttcttag ctgcatgttt taaactgaat ttgcatagag ttgtatgtta atgtttcagt 2700
taagagaaaa acttaagata catgagtcat tacataatgg gtatgaaatc tttataatca 2760
cccttccacc ctctatggtg tcagtacaca tcacgtgtca tagatactta aaatgtaaat 2820
gttaacactt ttccttcctg ctgagatgtt tagagcctag tgccagaccc attcatttcc 2880
ttttgattat ttttgagact cagtactagc ttcttgtgct gttaatgggt tattatatat 2940
tattctaagt gtaatgctga gaatctaaat gtgtctctgt tgggatggtt aacagntga 2999

<210> 1994
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (332)
<223> n equals a,t,g, or c

<400> 1994
gcacaccgcg ctyagcgcct tcactgccat ccccgctgtc cttgccgccc ccgccatggg 60
cctagagctg tttcttgacc tggtgtccca gcccagccgc gccgtctaca tcttcgccaa 120
gaagaatggc atccccttag agctgcgcac cgtggatttg gtcaaaggtg ggcccagccc 180
gtttccccgc gtgtccacaa acccagtgca mccccaggcc cccgcctgct ctgccctgag 240
cgtctcgccg ccgcacagcc cctcacctcc tcctgcagcg tctgccacca gagaatgctg 300
tggactgagt ggcttggagg gatcacagnc tntctgaa 338

<210> 1995
<211> 2346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2344)
<223> n equals a,t,g, or c

<400> 1995
ggtgccgtct gcctcccagg tgcgcgcttc gctcccggag ccgcggaact cggcggccgc 60
catggcgtcc aacatggacc gggagatgat cctggcggat tttcaggcat gtactggcat 120
tgaaaacatt gacgaagcta ttacattgct tgaacaaaat aattgggact tagtggcagc 180
tatcaatggt gtaataccac aggaaaatgg cattctacaa agtgaatatg gaggtgagac 240
cataccagga cctgcattta atccagcaag tcatccagct tcagctccta cttcctcttc 300
ttcttcagcg tttcgacctg taatgccatc caggcagatt gtagaaaggc aacctcggat 360
gctggacttc agggttgaat acagagacag aaatgttgat gtggtacttg aagacacctg 420
tactgttgga gagattaaac agattctaga aaatgaactt cagatacctg tgtccaaaat 480
gctgttaaaa ggctggaaga cgggagatgt ggaagacagt acggtcctaa aatctctaca 540
cttgccaaaa aacaacagtc tttatgtcct tacaccagat ttgccaccac cttcatcatc 600
tagtcatgct ggtgccctgc aggagtcatt aaatcaaaac ttcatgctga tcatcaccca 660
ccgagaagtc cagcgggagt acaacctgaa cttctcagga agcagtacta ttcaagaggt 720
aaagagaaat gtgtatgacc ttacaagtat ccccgttcgc caccaattat gggagggctg 780
gccaacttct gctacagacg actcaatgtg tcttgctgaa tcagggctct cttatccctg 840
ccatcgactt acagtgggaa gaagatcttc acctgcacag acccgggaac agtcggaaga 900
acaaatcacc gatgttcata tggttagtga tagcgatgga gatgactttg aagatgctac 960
agaatttggg gtggatgatg gagaagtatt tggcatggcg tcatctgcct tgagaaaatc 1020
tccaatgatg ccagaaaacg cagaaaatga aggagatgcc ttattacaat ttacagcaga 1080
gttttcttca agatatggtg attgccatcc tgtatttttt attggctcat tagaagctgc 1140

ttttcaagag gccttctatg tgaaagcccg agatagaaag cttcttgcta tctacctcca 1200
ccatgatgaa agtgtgttaa ccaacgtgtt ctgctcacaa atgctttgtg ctgaatccat 1260
tgtttcttat ctgagtcaaa attttataac ctgggcttgg gatctgacaa aggactccaa 1320
cagagcaaga tttctcacta tgtgcaatag acactttggc agtgttgtgg cacaaaccat 1380
tcggactcaa aaaacggatc agtttccgct tttcctgatt attatgggaa agcgatcatc 1440
taatgaagtg ttgaatgtga tacaagggaa cacaacagta gatgagttaa tgatgagact 1500
catggctgca atggagatct tcacagccca acaacaggaa gatataaagg acgaggatga 1560
acgtgaagcc agagaaaatg tgaagagaga gcaagatgag gcctatcgcc tttcacttga 1620
ggctgacaga gcaaagaggg aagctcacga gagagagatg gcagaacagt ttcgtttgga 1680
gcagattcgc aaagaacaag aagaggaacg tgaggccatc cggctgtcct tagagcaagc 1740
cctgcctcct gagccaaagg aagaaaatgc tgagcctgtg agcaaactgc ggatccggac 1800
ccccagtggc gagttcttgg agcggcgttt cctggccagc aacaagctcc agattgtctt 1860
tgattttgta gcttccaaag gatttccatg ggatgagtac aagttactga gcacctttcc 1920
taggagagac gtaactcaac tggacccaaa taaatcatta ttggaggtaa agttgttccc 1980
tcaagaaacc cttttccttg aagcaaaaga gtaaacacgg cccagcggtg gaaccagcca 2040
ttccttgaca agccagcagc ctgcgtcagg agaagggctc ctcgccaacc cacccacacg 2100
ctcgtctcac tcaattcaat gtcacacttc tgcctcttgc aaaattgctg gaaaaagtaa 2160
taataaatat agctacttaa gatttcccat ccatgagtat atattcccaa cccttattac 2220
agagaattac aactctggca cccttcccta cccctgcact tnacccttct tcaatgacga 2280
atgcattggt caagtgtgag tgatcactaa atagaaattt tacctttca gngcccatct 2340
tttncc 2346

<210> 1996
<211> 2021
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 1996
gcccacgcgt ncgcccacgc gtccggcaag aggctgggaa gccatcactt accttgcact 60
gagaaagaag acaaaggcca gtatgcacag ctttcctcca ctgctgctgc tgctgttctg 120
gggtgtggtg tctcacagct tcccagcgac tctagaaaca caagagcaag atgtggactt 180
agtccagaaa tacctggaaa aatactacaa cctgaagaat gatgggaggc aagttgaaaa 240
gcggagaaat agtggcccag tggttgaaaa attgaagcaa atgcaggaat tctttgggct 300
gaaagtgact gggaaaccag atgctgaaac cctgaaggtg atgaagcagc ccagatgtgg 360
agtgcctgat gtggctcagt ttgtcctcac tgaggggaac cctcgctggg agcaaacaca 420
tctgacctac aggattgaaa attacacgcc agatttgcca agagcagatg tggaccatgc 480
cattgagaaa gccttccaac tctggagtaa tgtcacacct ctgacattca ccaaggtctc 540
tgagggtcaa gcagacatca tgatatcttt tgtcagggga gatcatcggg acaactctcc 600
ttttgatgga cctggaggaa atcttgctca tgcttttcaa ccaggcccag gtattggagg 660
ggatgctcat tttgatgaag atgaaaggtg gaccaacaat ttcagagagt acaacttaca 720
tcgtgttgcg gctcatgaac tcggccattc tcttggactc tcccattcta ctgatatcgg 780
ggctttgatg taccctagct acaccttcag tggtgatgtt cagctagctc aggatgacat 840
tgatggcatc caagccatat atggacgttc ccaaaatcct gtccagccca tcggcccaca 900
aaccccaaaa gcgtgtgaca gtaagctaac ctttgatgct ataactacga ttcggggaga 960
agtgatgttc tttaaagaca gattctacat gcgcacaaat cccttctacc cggaagttga 1020
gctcaatttc atttctgttt tctggccaca actgccaaat gggcttgaag ctgcttacga 1080

atttgccgac agagatgaag tccggttttt caaagggaat aagtactggg ctgttcaggg 1140
acagaatgtg ctacacggat accccaagga catctacagc tcctttggct tccctagaac 1200
tgtgaagcat atcgatgctg ctctttctga ggaaaacact ggaaaaacct acttctttgt 1260
tgctaacaaa tactggaggt atgatgaata taaacgatct atggatccag gttatcccaa 1320
aatgatagca catgactttc ctggaattgg ccacaaagtt gatgcagttt tcatgaaaga 1380
tggatttttc tatttctttc atggaacaag acaatacaaa tttgatccta aaacgaagag 1440
aattttgact ctccagaaag ctaatagctg gttcaactgc aggaaaaatt gaacattact 1500
aatttgaatg gaaaacacat ggtgtgagtc caaagraggt gttttcctga agaactgtct 1560
attttctcag tcatttttaa cctctagagt cactgataca cagaatataa tcttatttat 1620
acctcagttt gcatattttt ttactattta gaatgtagcc ctttttgtac tgatataatt 1680
tagttccaca aatggtgggt acaaaaagtc aagtttgtgg cttatggatt catataggcc 1740
agagttgcaa agatcttttc yagagtatgc aactctgacg ttgatcccag agagcagctt 1800
cagtgacaaa catatccttt caagacagaa agagacagga gacatgagtc tttgccggag 1860
gaaaagcagc tcaagaacac atgtgcagtc actggtgtca ccctggatag gcaagggata 1920
actcttctaa cacaaaataa gtgttttatg tttggaataa agtcaacctt gtttctactg 1980
ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2021

<210> 1997
<211> 1955
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 1997
ccggcttccc aggcagaaga gtcganaaaa gctgtctttn tctcacgtca cccagcncag 60
gctcattaag ttcttcancc tcttcccaat cattttcnca atgagcaaat tgactaagag 120
aagcaaaggt ttcttggggt tattaaccag tagtgtggaa atactagttt tatgtggcca 180

aggaaaagca aaggcttttc ttttcagttt gtgttatttg gaagacagaa aaacatcttg 240
tctacatcct ttggctgttt gtaggatcac gttgtcctta cgatactgaa actttacagc 300
tgctgtaaat tttttataaa tgaatttcaa aatgttataa tgggactgta ggttgttttt 360
ctacatcttc attatttgga cctaaaacca gtttttaata agaaagttta tctttactct 420
ttctgaaatt atgactccag aaaaagaaaa aaaaaataca agtcatggaa tcagcaatct 480
ggtaagaaat gctgccaaga atgtggcagt agctgtcctg acagactcca actgtcttta 540
ctatctgaag aatcctaggc tccacatgag aggcagaaat ggatcagtct tattcttttc 600
tagaaatggt tatctgtagt ttggtagcaa aaaaaaagaa aaaagaatcc ataattagca 660
gatttcttat taactatttg gatctaattg aaatggcttt attcttagga ttaagaaaga 720
tagatgtgga tacccagcca ctcgttccat attggtatct tttaaatcag ctctgcctct 780
taatcaagaa cctaaatatt ccctctttct aatctttgtt ccttctccct acaccctcat 840
cctctttcac tcttccttca taattcctct aagaaaaata tctttgcatc agcagtaata 900
tcttttagaa tagcactatc agaatttagc agtaaaccaa catacaggct tcagatttac 960
ttctgagtcc aaaacaattt gtgctatcca gggtagttaa ctctgggtta aacaagtaca 1020
gggtatagat tccctcttca ggtctacaca ggaattttta ccatagggaa aagtggggag 1080
agctcaaacg tagttaataa ggaaggtaat ttgtttttct tttacctaaa agaaaagaaa 1140
attccttctg tgactacagg tctctgagaa attatctttc aaaagagatt tcattgctca 1200
taagagtgtt gtggcctatt gataaaaaca attttgttca gtttcttgtc ttgaaaaaaa 1260
agtggcctta gctttttgca atacttgaat aaagtgtgta ctcgcaaaag aatttctgta 1320
gcacagcatt agagactcat aacttttctg caagaaatac aaacttacat cttcctttta 1380
ctaccttaag aatactagtg aataaaacat taattcaaag agcaaattat agaaactaca 1440
atgacattta atgcaaattg taggaattta catgtttaca aatcatcttc aactggttgt 1500
gcagcaattc aataaaatat ctttgtatta taaaaatgtg aagaaaaaat gtaaactgat 1560
gtaaaggagg tactgtcatt ttaattaacc tatgtttaat agcttttcct tctggacttt 1620
gcaaagcctt cttggcaaac acattgcaaa gcattctctg ggaggttcag cctccttgtg 1680
tgtactgtac tgtgcagaca tgaaaaaata aacccgttta ctgtgtgcgt gtaaatagcc 1740
tggtcatcag gccattttca gccaatagtc acatccagtg caattttgca ccgaacactt 1800
aagggtgtgg tttgtaagta cgatctgtaa aataactggg atgaattccc atgtatacct 1860
gtgtaaatag atttgttaac tgaaatatac tttaagaaag ataaaatctg taaataaact 1920
gatttataaa ttaaaaaaaa aaaaaaaaaa aaaaa 1955

<210> 1998
<211> 1158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<400> 1998
aaaaggaacg tggaatctgg ggaagaagag ctggcgtcca agctggacca ctacaaagcc 60
aaggccacgc ggcacatctt cctcatcagg cattcccagt accacgtgga tggctccctg 120
gagaaggacc gcactctgac cccgctgggt cgggagcagg ctgaactcac tgggctccgc 180
tggcaagctt ggggttgaaa gtttaataaa atcgtccatt cgtctatgag cgcgccatag 240
agaccaccga tatcatcagc cggncacctg ccaggcgtct gcaaagtcag cacagatctg 300
ctgcgggaag gcgcccccat cgagccagac ccgcccgtgt ctcattggaa gccggaagct 360
gtgcagtatt acgaagacgg agcccggatc gaggccgcct tccggaacta catccaccgc 420
gcagatgcca ggcaggagga ggacagttac gagatcttca tctgtcacgc caacgtcatc 480
cgctacatcg tgtgcagagc actgcagttt cctcctgaag gctggctccg gctctccctc 540

aataatggca gcatcaccca cctggtgatc cgacccaacg gccgagttgc gctcaggacc 600
ctcggggaca cggggttcat gcctcccgac aagatcactc gatcctgagg gctccggcct 660
ctccttccct ctgtcctccc tgcacaggcc gcacacactt aacgttttgt tcccaaggag 720
accggcggaa agtagaaacc tgcaatgctg catctgggaa ctgacttgtg accaggctga 780
gaaggggaga gttgggatca gacagcctga cttctctgca gggttttata cctgaccatg 840
aacccccagg atggcgtggg gtttaaggtg aaagcgtctc acgcacaagt caggcctgtt 900
gtggggactt gaaagaggcc tgacccagac caccatgttc gcacccacag ctgacccgtg 960
ctgagggtcc aggctccatt ggcaaagccg gtcaggcacg agggcgactg aggcacgtgg 1020
atgaggaggg cacccaggtt ctgttcacaa ctcacttcac ttcatacatc cttttaattt 1080
cttaaaaccc tcttgtccct taaatatttg tcaattaaag attttctggc tgggcaaaaa 1140
aaaaaaaaaa aaagtttt 1158

<210> 1999
<211> 1127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1090)
<223> n equals a,t,g, or c

<400> 1999
tgtcacagac tacttcatca gtcgcttatc tggagctggg accaaggttt ctgccaggcc 60
ttgggatcag ctcttggggg tcagagcagc cttcccacat cctctggcac tgctgaactt 120
ttgcagcagc tctttcctcc tctyttggat gcccttcgag agcccaggtt acgacggatt 180
tnctgccagc ctgcagatcc tgcgcctgtc gccctaggtc tctgtaccct tcagaccacc 240
ttgctctggt tcctgggcag agctcagcag tacttggcag catgggaccc agcttccttc 300
ctgctcctga tccaaaagga cttacctmct mtgwtgcatg asgcagaagc tttgtatagc 360
ctggcctcag aggaaagctt asctctggaa tggagcagca gctgggcctg gagatccaga 420
agctgactgc acagatccag ctcctgcctg aagagtcact aagtgtcttt tctcaagaat 480
gtcataaaca agccatgcaa ggtttcaagc tctacatgcc acggggtcgg tactggcggc 540
ttcgtctctg tcctggaact cctcatccca gcttctcctt ccagagttcc aaggggaacc 600
tcccagtgct cctagtgagt atgctggttt agtggtccgy accgtactgg agcctgtgtt 660
gcaaggattg caagggttgc cacctcaagc ccaggcccct gcccttggtc aggctctgac 720
ggccatcgtg ggtgcctggc ttgaccacat tcttacccat gggattcggt tcaggtcagg 780
agtaaaggtg gaagtggcag ggggtgaatg gaactgggaa aaggaagggg ataagtggga 840
gaggcaggag ggtcaagtgg ccatactgta cctctgcctt cagcctgcag ggagcgctgc 900
agctcaaaca agactttgga gtggtcaggg agttgctgga agaggagcag tggagcctgt 960
cccctgatct ccgccagacc ctgctcatgc tcagcatctt ccagcagctg gatggggcct 1020
gctgtgtctg ttgcagmagc ccytgcccaa gttcaagtcc acaggaggcc ccctgttgct 1080
gtgttgtcan gagtccagac cacgaaattt cccagcagcg cctcaat 1127

<210> 2000
<211> 478
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<400> 2000
aagaaggagc tcagccacta tctccccacc gagccagctc agcgggcagg gctgggaggg 60
agtgggacag attctgggag tscagcgagg aggagtcccg gctggsctga gcgcagggag 120
ctgcttggma gtgccagagc ccaggcccca gagccctgct ggagaggagg cagactgagg 180
cagcaggccc cgccagcagg cgaagaggng agatgtcaga ctgctacacg gagctggaga 240
aggcagtcat tgtcctggtg gaaaacttct acaaatatgt gtctaagtac agcctggtca 300
agaacaagat cagcaagagc agcttccgcg agatgctcca gaaagagctg aaccacatgc 360
tgtcgcattg ctgaccctgc ttcctcccca ggacacaggg aaccggaagg ctgcggataa 420
gctcatccag aacctggatg ccaatcatga tgggcgcatc agcttcgatg agtactgg 478

<210> 2001
<211> 1261
<212> DNA
<213> Homo sapiens

<400> 2001
cccacgcgtc cgcccacgcg tccggagctc tccccggtct gacagccact ccagaggcca 60
tgcttcgttt cttgccagat ttggctttca gcttcctgtt aattctggct ttgggccagg 120
cagtccaatt tcaagaatat gtctttctcc aatttctggg cttagataag gcgccttcac 180
cccagaagtt ccaacctgtg ccttatatct tgaagaaaat tttccaggat cgcgaggcag 240
cagcgaccac tggggtctcc cgagacttat gctacgtaaa ggagctgggc gtccgcggga 300
atgtacttcg ctttctccca gaccaaggtt tctttcttta cccaaagaaa atttcccaag 360
cttcctcctg cctgcagaag ctcctctact ttaacctgtc tgccatcaaa gaaagggaac 420
agttgacatt ggcccagctg ggcctggact tggggcccaa ttcttactat aacctgggac 480
cagagctgga actggctctg ttcctggttc aggagcctca tgtgtggggc cagaccaccc 540
ctaagccagg taaaatgttt gtgttgcggt cagtcccatg gccacaaggt gctgttcact 600
tcaacctgct ggatgtagct aaggattgga atgacaaccc ccggaaaaat ttcgggttat 660
tcctggagat actggtcaaa gaagatagag actcaggggt gaatttcag cctgaagaca 720
cctgtgccag actaagatgc tcccttcatg cttccctgct ggtggtgact ctcaaccctg 780
atcagtgcca cccttctcgg aaaaggagag cagccatccc tgtccccaag ctttcttgta 840
agaacctctg ccaccgtcac cagctattca ttaacttccg ggacctgggt tggcacaagt 900
ggatcattgc ccccaagggg ttcatggcaa attactgcca tggagagtgt cccttctcac 960
tgaccatctc tctcaacagc tccaattatg ctttcatgca agccctgatg catgccgttg 1020
acccagagat cccccaggct gtgtgtatcc ccaccaagct gtctcccatt tccatgctct 1080
accaggacaa taatgacaat gtcattctac gacattatga agacatggta gtcgatgaat 1140
gtgggtgtgg gtaggatgtc agaaatggga atagaaggag tgttcttagg gtaaatcttt 1200
taataaaact acctatctgg tttatgacca cttagatcga aatgtcaata aaaaaaaaaa 1260
a 1261

<210> 2002
<211> 1531
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1530)
<223> n equals a,t,g, or c

<400> 2002
aaattgcaaa aggtaatatt actagtgttt catacggaca ttttcagaca ccatttttct 60
atatgttttg tgcattttgt tttgctctgt atatagtata tataatggac aaatagtcct 120
aatttttcaa catctagtct ctagatgtta aagaggttgc cagtgtatga caaaggagta 180
aaattagcat attttgtaca ctttgtgttg aaattcgtag gaaaacttgt cttctgtaaa 240
gacttttgca taggaatttg tttgaccatc tctaagcatt acacgtgcct gtacttgtcc 300
actggattga aggcagagaa ggaagggagg agggaatgat tcaaggccaa aatggccaca 360
tttagaagat acctcagatg ataaccattg ttatgtgtgt gcaattttat ttaacagtgc 420
tgtgtatgtg gtggacaagt tatatgaaat atctagtctt tctagatatt tggaagtgct 480
tgatgtattt aaaagtggta gtagaataac actttgtaaa tagcttttaa aaactgatgg 540
gaaatgctgt ttggaagtgg aattgttgaa ccacctggga ggtgggaggg aagaaattgc 600
aaatggtgtt ttgccattgt ttattagaaa atttcagctt aatccattgt gtatatgtta 660
catgcatttc atttaacttt gctatactgt atatattgta tatataacgg acaaattagt 720
cccgatttta taatatctag tctctagata ttaaagaggt tgccaatgta tgacagaagt 780
agagttagta aactaacaca ttttgtacac tttgttaaaa tttgtagaaa ggctgtcttc 840
tgaaaaggac ttttggaagt gagataacat cagctctaag tgacacgtgc ctatatccat 900
caggttggtg gtggagagga gttggaagga atgaagggtt ctagaccaga atgttcgtat 960
ttagaagaca ctatcagata taaccattgt tacatgtgtg tagtttattc aaccctactg 1020
tgtatatagc ggacaaactt aagtccttat ttgaaacatc tagtctttct agatgtttag 1080
aagtgcacaa agtatgttaa aagtagaggt agtaaataac acattttgta gctatccttt 1140
tgatatgaaa tattgtcttg gaaattgatc aattctctga gcagtaccca ttttgatatt 1200
tgtgctggtt caggggggaag gaggagcaca aagtgcaaag ggctttctac cagtgtccag 1260
tgtgtttatg aggaggcaca ttgaccattg tcccttatgt ctgcattttc atttactgtg 1320
ctgtgtatat agtgtatata agcggacata ggagtcctaa tttacgtcta gtcgatgtta 1380
aaaaggttgc cagtatatga caaaagtaga attagtaaac tactacatgr gtacactttg 1440
tgttaaaatt cmtagggaag acttcttaaa aacaagtgaa attggtaaac ccccctaagc 1500
ttacagtggt tawagctggc cacnggggtn g 1531

<210> 2003
<211> 2333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2018)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2044)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2332)
<223> n equals a,t,g, or c

<400> 2003
cacgcgtccg cattttcgta tccctgctga tttcaaacct tcccatggtt tagaagcata 60
acctgtaatg taatgcaagt cccctaactc cctggttgct aacattaact tccttaagta 120
ataatcaatg aaagaaattc tatgcatggt tttgaaataa tgtccttgaa agaggaatca 180
ccattaggaa aggtgagtca gggtcctttg tttaatgtga ctagtggctc atcatcacca 240
gtgacctggt tgggcctact ctccttccag aacctgcatt gcttcccaga cctccccact 300
gagatgcctc taagagccaa aggagtcaac acttgagcct agggtgggct acaacaaaag 360
attctaattt accttgcttc atctaggtcc aggccccaag tagcttgctg aaggaactta 420
aaaagtagct gttatttatt gtattrtata agctaaaaac atttattttt gttgaatcga 480
aacaattcca tgtagcaatc ttttttctgt tcacggtgtt tgtgatagaa ccttaaattc 540
cgcaagcatc agtttttga aaaaatggga attgaccgga tagttacagg caaagattat 600
aaatwgctac aacatcattt aacttttata aacatgcctt ctctctattg aagacatctg 660
atatttttgc tggaaagttg gatctatcct cagtaactct gccatggaat tcctgkttcc 720
tggttccaga aaaagaaaag attacatttc tgatcataaa gaatgtcttg catatgggga 780
aatttttcaa aatgaagggg ggtattattt atgtgggcat gggaaaactt ttgccatggc 840
tgtttgtctt agtgggcatc ttttgatgam attggatcag atatatgtag atgctgatat 900
atgggacaca tgtttaggtt ttggtgcagt tgcacaaaac tgtgttagtt tatatgttac 960
tgtgttgcct ttatttattc tctccaaagt gtctctttat atttgtttta caatctgtga 1020
aagagtatac cataatacag aagtattttc atagtcttta cctctggatt gtcctgtcag 1080
tatagccacg ttgatgagat tacaccagtg cctttgatca tctttaagta tttgagccct 1140
gataaatatt ttggtaacat aatccaaatt agagacttag agctctggtt agcaatcatg 1200
tttaaagaga agcttcttaa agctctgtat gctgggagat tcatgattat taccaacgtt 1260
ttgatttcat gaaggtgttc tcaaatttaa agcacatttt cagtaagaac aaaaatattt 1320
aatgttttta tcttagactt aacttgatac atttgcatat tactatggaa gttattcacc 1380
ttgtccctgt ttttctttaa gatattttaa aatcatagtt atactacagt ccttttttaa 1440
atgtatcctg atacattgta aaatatttta atttcattgt ggaaaataat gttggataag 1500
gagatatttt tcactgttaa cttttagccc atgcattttc ataatttatt tttttcactt 1560
gctgctttat atgacatatg tgacatttga ttatttaaca cttgatgtga tctgcataaa 1620
cccaagttgc acaaccctcc tgctgaagat aaaattgagg ttaaagataa agatttattt 1680

tcatatttgt acagtgatcg gcttcagtga tggtttttgt gggcatttat tgtgtgtgtg 1740
taagaaattt catatgtata tattaagtag gcctctgagt attgaataat tgttttatga 1800
ttttgattta tatggtttac attttcattg tgtgggccat atttcgttta tactgtttat 1860
ttctcttcaa accttaataa ttataccata aagtgtaatt tttatagcaa tgcaaatgtc 1920
taaggaacta caaatatttt ctacgttgta aattcaataa agcttgcttc ctttggcaaa 1980
aaaaaaaaaa aaaaaaaaaa ctcgaggggg ggcccggnac ccaattcgcc ctatagtgag 2040
tcgnattaca attcactggc cgtcgtttta caacgtcgtg actgggaaaa ccctggcgtt 2100
acccaactta atcgccttgc agcacatccc cctttcgcca gctggcgtaa tagcgaagag 2160
gcccgcaccg atcgcccttc ccaacagttg cgcagcctga atggcgaatg gcaaattgta 2220
agcgttaata ttttgttaaa attcgcgtta aatttttgct aaatcagctc atttttaaa 2280
acccccccccc cnaaaaaaaa tttttnaaag gggggggggc ccccccccccc nng 2333

<210> 2004
<211> 2399
<212> DNA
<213> Homo sapiens

<400> 2004
ggcacgaggt agaaaccttg aaattttaga aaacatcaat ttcatgccta atgttttgcc 60
tggtataatt gttgagccca gagactgttt gtacttgaac agttcaggaa gaaaagaagt 120
agaaatgatt tttgttgctg ccacacttcc tacttttttg tatgagctta aacctatgtc 180
ttgaacattt atatcaccat tcttgccccc gaacacaaat gaatttttta tctttatttt 240
atgctacatt tctatacaat taaatttata ttttcaattg tttgtttgct tgctcccatt 300
gggagtcgtt aaagtgtaaa cagggcatag ggactgcaat taaccttgag aacaaaagaa 360
caatttatca ctttaccaaa caacaaaatt cactcttatt gttaataatt cataataaag 420
gcagcaacta tcaattaagt tgagaacaga agtggcaaaa caggcacagt catcaaattt 480
gcaatagcta actgctctat tctgaattat cagcagtagc tgagaactac ccaaaggttt 540
gctgatggcc acagtacaga acgattagtg aattcacggc tgcatgtctg gtttgctcta 600
tttcccaaac tgagtaaata aatgagagct tgctaatcag gactattagg ggttgctagg 660
aaataaaaaa tttgctacta tgggctgtct ccaacctagc aaggagtttg acacaaaact 720
tctattacac acggttaact agcacttaaa acaaatatat ctataagaat ttatcagtac 780
tggtctgatt cgtaggctac cccaaaaccc tgcctagcca atgaagtagc tggaatagaa 840
ggaaaggtaa ctgttgccaa ctgattgaac aacttttttgg ttctttttat ttgtaacagt 900
gtacccccaa aatctgaggt gtttgagggt tacctccctc tgccaaacac ctagacattt 960
actgaacaga cttttactac gaagtgttaa tggaagtcag ggaccccaaa tggagggact 1020
ggctgaagcc atggcagaag aacataaatt gtgaagattt catggacatt tattagttcc 1080
ccaaattaat acttttataa ttttttacat ctatctttac tgcaatctct gaacataaat 1140
tgtgaagatt tcatggacat ttatcacttc cctaatcaat actcttgtga tttcctatgc 1200
ctgtctttac tttaatctct taatcctgtc atcttcataa gctgaggatg tatgtcacca 1260
taggaccctg tgatgattgt gttaactgca caaattgktc ataactcatg tgtgtttaaa 1320
caatatgaaa tctgggcacc ttgaaaaaag aacaggataa cagctatgtt cagggaacaa 1380
gggagataac cattaggtct ggctgcctga ragccaggca gaacagaacc atatttctct 1440
tctttcaaaa gcaaatagga gaaatatcgc tgaattcttt ttctcagcaa agaacagcct 1500
ggagaaagag agtgtgttcc tagcaggagg tctctgaaat ggctgctctg ggaatgtctg 1560
tcttatacgg atgtagataa gggatgaaat aagccccagt ctcccgtagt gctcccaggc 1620
ttattaggat gaggacattc ccacctaata aattttggtc agaccagttg tctgctctca 1680
aaccctgtct cctgataaga tgttatcaat gacgatgcgt gcccagtgga acatgcaact 1740
tcattagcat ttttaatttc accccagtcc tgtgatctcg ccctgsctyc atttgccttg 1800
tgatatttta ttaccttatg aagcatgtga tctctgtgac ccgacccctt tcctgctttt 1860
ctggagggta aggacccctg aacccccttgc ctccacggca cgagctcgtg ccgtttttc 1920
ctgtttttgg attttatgta aataaacaga gtcataaatt tgacactctc aaaatatccc 1980

ccatcagatt catgtaagac ttttattttg gtgatacttc tccacaacca tcgcactaca 2040
acttacctta atccactcaa ctaacactta catatttggc tttagagatg tatatcaata 2100
tcttctgtgg tctggagata attcttatca tattagcacc ttagatgtaa ttgccagtat 2160
tcatgatatg ttaaaaaatt attaaatgtc tactaaattt gctacagctt agctacttca 2220
cgagactcta aaattcggtt ccctgctata ctcttaaatt tcaaatataa acatatatac 2280
ctcttccctt gataaaatct tacttccgat ctgtatcttt tcttgacact ttccttctct 2340
tgacactttt ggttgactgg gtctgtatgt tgaaatgtct gccttgatag atactcgag 2399

<210> 2005
<211> 1916
<212> DNA
<213> Homo sapiens

<400> 2005
gtgtgagagg cctctctgga agttgtcccg ggtgttcgcc gctggagccc gggtcgagag 60
gacgaggtgc cgctgcctgg agaatcctcc gctgccgtcg gctcccggag cccagccctt 120
tcctaaccca acccaaccta gcccagtccc agccgccagc gcctgtccct gtcacggacc 180
ccagcgttac catgcatcct gccgtcttcc tatccttacc cgacctcaga tgctcccttc 240
tgctcctggt aacttgggtt tttactcctg taacaactga aataacaagt cttgatacag 300
agaatataga tgaaatttta aacaatgctg atgttgcttt agtaaatttt tatgctgact 360
ggtgtcgttt cagtcagatg ttgcatccaa tttttgagga agcttccgat gtcattaagg 420
aagaatttcc aaatgaaaat caagtagtgt ttgccagagt tgattgtgat cagcactctg 480
acatagccca gagatacagg ataagcaaat acccaaccct caaattgttt cgtaatggga 540
tgatgatgaa gagagaatac aggggtcagc gatcagtgaa agcattggca gattacatca 600
ggcaacaaaa aagtgacccc attcaagaaa ttcgggactt agcagaaatc accactcttg 660
atcgcagcaa aagaaatatc attggatatt ttgagcaaaa ggactcggac aactatagag 720
tttttgaacg agtagcgaat attttgcatg atgactgtgc ctttctttct gcatttgggg 780
atgtttcaaa accggaaaga tatagtggcg acaacataat ctacaaacca ccagggcatt 840
ctgctccgga tatggtgtac ttgggagcta tgacaaattt tgatgtgact tacaattgga 900
ttcaagataa atgtgttcct cttgtccgag aaataacatt tgaaaatgga gaggaattga 960
cagaagaagg actgcctttt ctcatactct ttcacatgaa agaagataca gaaagtttag 1020
aaatattcca gaatgaagta gctcggcaat taataagtga aaaaggtaca ataaactttt 1080
tacatgccga ttgtgacaaa tttagacatc ctcttctgca catacagaaa actccagcag 1140
attgtcctgt aatcgctatt gacagcttta ggcatatgta tgtgtttgga gacttcaaag 1200
atgtattaat tcctggaaaa ctcaagcaat tcgtatttga cttacattct ggaaaactgc 1260
acagagaatt ccatcatgga cctgacccaa ctgatacagc cccaggagag caagcccaag 1320
atgtagcaag cagtccacct gagagctcct tccagaaact agcacccagt gaatataggt 1380
atactctatt gagggatcga gatgagcttt aaaaacttga aaaacagttt gtaagccttt 1440
caacagcagc atcaacctac gtggtggaaa tagtaaacct atattttcat aattctatgt 1500
gtatttttat tttgaataaa cagaaagaaa ttttgggttt ttaatttttt tctccccgac 1560
tcaaaatgca ttgtcattta atatagtagc ctcttaaaaa aaaaaaaaaa cctgctagga 1620
tttaaaaata aaaatcagag gcctatctcc actttaaatc tgtcctgtaa aagttttata 1680
aatcaaatga aaggtgacat tgccagaaac ttaccattaa cttgcactac tagggtaggg 1740
aggacttagg gatgtttcct gtgtcgtatg tgcttttctt tctttcatat gatcaattct 1800
gttggtattt tcagtatctc atttctcaaa gctaaagaga tatacattct ggatacttgg 1860
gaggggaata aattaaagtt ttcacactga aaaaaaaaaa aaaaaaaaaa ctcgta 1916

<210> 2006
<211> 1073
<212> DNA
<213> Homo sapiens

<400> 2006
cttattggat ccccccgggg cttgcagaaa ttcggcacga rcactcatct caggccacac 60
aggattccat tcatcgaaca ttcctgagac aacggaattc tggtgatgga gcacaggtca 120
gtggtggcca ggggccaggt gtggctatga aggggtggct gccttgtgac acccttgagg 180
cccgtgcaag ctgttggcat gtcaacagtt agctgcttct cattgctgag tggcgattgg 240
tcctgtcatg gtttattcag ccatgtggtg gatggcaact tgtcttctaa gccacttgcc 300
ttctgattgc tggactgact ctctcgccct ctcttggtgc agccctcggg aggctcagtc 360
acactctccg agagcacagc catcatctcc aatggcatca caggcctggt cacatgagat 420
gctgccctct acctggcaga atgggccatc gagaacccgg cagccttctc tcataggtga 480
cctcggggcg cacggcagga caccgaggca ggctcaccct ggtgcagtta cagacatggt 540
ccccttttcct cccgccagga ctgtcctaga gcttggcagt ggcgccagcc tcacaggcct 600
ggccatctgc aagatgtgcc gcctccaggc atacatcttc agcgactgtc acagccaggt 660
cctcgagaag ctctgaggga atgtccttct caatggcctc tcattagagg cagacatctc 720
tgccaactta gacagcccca gggtgacagt ggcccagctg gactgggacg tcgcgacggt 780
ccatcagctt tctgccatcc agccagatgt tgtcattgca gcaggcaatg cccagcccca 840
ggactctgtg caggcggtgt ccttgcagct ctacccagct ctgggctctg ggaaaaggga 900
acaatggacg ctgtcgggca tggacatgat ggggcttcca gaagagttac tctgggcctc 960
cagggtgaca tcaaaggaca ggggtgcctc ttaaggtgac cttccagcca cagccctctt 1020
gttggagaca ggcatactcc cattacagtc atcaccacat ggctctgtcc cag 1073

<210> 2007
<211> 3711
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<400> 2007
ttcgaggtcg gccgcgtggc tggaagacat ggccactcca gtcggtgttg agcacggcga 60
gcagtctcag gcctttagtg atgatggtgc agtcagcctc agtttccaaa gccggaaaag 120
gatcctctag tagccacggt gtgncagctg ctctgaacca ggacctggac ccggacccaa 180
agtgccatgt ctttaatgtt agctcccagc gatgccagat gggatcagca cagccctgcc 240
tctgctgcta attgttcctc taaagtaatc gccatgcgtt cttygggctt catctttaaa 300
ggaatgaagc aactgagatt attctggaaa acctttttggc agttagtgaa attagagtac 360
aactaagaac attttcagac ctccactgtg gatgacctgg gtataatctc acaaatcgat 420
gggactgcaa ggattgtaaa ctgaaatgaa catgattata ctctgttgga agagcctaag 480
aggaaactga tgccatgagt ttcagagagt aatgcttaac cccagttaca caggatgccg 540
tcttgtgttt cctcttgttt agttacccac tacagtgatt ttgtgatctg ctaatgggtt 600
gccacccaca accattgctt tagcactttt acttcaaatc aatgaaggat tgataaaagt 660
tctcctggtg tctccgcaga gtgccttcca ggaacagatc tttgcataga atatcagtgg 720
tttccttttt tgtttcaaat agtggtcaga aaatacccag tgttgactca ccaaggcaat 780
cagcttcctt tttccctttt tttgtttttt tttaacattt tatatttttg ctttatttta 840
ttttatttta ttttttgaga cggagttcca ctctgtcgcc aggctggagt gaagtggtac 900
aatcttggct cactgcaacc tccacctccc gggttcaagc aattctcctg gctcagcctc 960
ctgagtgctg ggactacagg cgcgtacctt ctttagtaga gactgggttt caccatgttg 1020
gccaggatgg tctctatctc ctgaccttgt gatctgcctg cctcagcttc ccaaagtgct 1080
gagatgacag gtgtgagcca tcagacccag cattttttct tttaatttaa atttaaattt 1140

ttttcatttt tttgagaggt ttttttttgtt ttgttttgtt gttgttgttg ttgttgttgt 1200
ttttgagaca gtcttgctct gtcacccagg ctgggagtgc agtggcatga tctctgcaac 1260
ctctacctcc caggttcaag caattcttgt gcctcagcyt cccaagtaac tgggactaca 1320
ggtgcacgct accacacctg gctgattttt tttgttttag tagagacagg gtttcaacca 1380
tgttgcccag gttggtctca aactcctgag ctcaggcaat ccacccgcct tggcctccca 1440
aagtgctagg attacaggtr tgagccacca cacccagcta ttttttcttt cgtttttaa 1500
ttttaaagtt ggggggggtc tcaatttgtt aycctggctg rtctcgaact cccggactta 1560
agcgatcctc tggctccaag cccactacca gtctcaggtt tctttactaa aagatcacta 1620
cctttttttc tcttatctgc tgccatgtga gatgtggctt tcaccttccg ccatgattgt 1680
gaggccttcc cagccacgtr gaactgtaag tccaataaac ctcttttgta aattaaaaaa 1740
aaaaaatcac tatttaagat actaggatgg attgtgactg ttgaggagta cttacatatc 1800
ctacatttga ctacattatt tccaaaccaa gtattccatc caaaggaaca tactgctatc 1860
atagagacca aggagggact gtttaaggtt gccaaggtga agcgagctga gaggctttgt 1920
cctcgtgcca gtaactctga aatctctctt aattcctgct gtccaggcag cagaatgcca 1980
tggtttcccc aagtaggtag ctgctttagc agttaaagcc caaatgtctg ttctgttgat 2040
cagaggtctc tgaatttctg aagtggtgtt tcgtttctgg tgactgagtt aatcctttac 2100
aatccctctt gtaaagtgtg ctaatagaaa gaatccacct ttcaaagctg cagaaccaga 2160
ccgtgcccta aattgaccaa cgtarctgat gtgcctcagg aagtctcttg ccagctgtcc 2220
ctgtgaagac cccctcctcc cccccagctg ctgccttgca cactgaagca tctcagactg 2280
tgcaaagccg tgtagtcatc aagacagtaa atcccagggc ttggttaagt gctgtgtgat 2340
aacttgtttg gatgagactt aacttaaaac cacttacaat aaacttggga aactaccgtc 2400
agctgagttc aaatttactg acggcatgat atgaggatga aggtttatta cctggtgaca 2460
tcatcctgtt ggtgacatca tcctgttggt gacaaggtgg tgatacatct ctaatgggac 2520
ttccctcagt ggcaggcagg ctgccaagca actaaccccc atcaagtgcc agaccctccc 2580
agtgttctga gagtcatctc catgctaaac agcctgcgtt ttatatgatt tctctaccca 2640
gccaaaaaaa aaaaatggtc catcatgtac gcagttatct agtcttaagt tatattctgg 2700
ctttttttctc ccactttatt atggagcaga agtaagccta tcatgttctt agaaaggctc 2760
ttaagaggtg tcctggagtc cttgaatcac tttagcatct ggggtaggat gtgccaccag 2820
gaggatttgg gctggagcgt gtgtgtttgc ctttgacctg gactgctgtc tgatcttgct 2880
gaacactcca ccgacatttc ctaaagttgc tcagtgccaa tccagcaaag cagtccattt 2940
tcccttggcc aagattgaga tgtattgttt tagatacaga agagttcttg gatgagccaa 3000
ggacaagctg gggtgtccta tattgaacag acctcgatga aaatcttgaa ttcaccccag 3060
tgccctctgt tggcaaggga aggtgaagat tgaaaagtta aaaaagcttt tggccacttg 3120
agaggatcag ggccgcaact cttgaagaag caaagggctc agtgcattgg ggtcagcgct 3180
ggtacagctg aaggatgccg gccttgtgca ggtccctcca cagggcagct tccagggaca 3240
gatcgtggtt tgcataaaat atcaatggct tcatttttcg ttcgaaatag tggtcggaaa 3300
atttccagta gttgcttgtg atgaatccat aggcactgac ctggtcacag gtatgcmaag 3360
ctgtcagcag catgagagcc ccggtactag gcatatatag gtctccaaaa tgtgtgttaa 3420
tcaactttga tttcaagaac ctttctgtca ggtagctgat gaagtccgga tgtagcagct 3480
tgaatttact ggcagaggct tctggtccaa aataggcgtg cggcctagga cccatgatag 3540
aagtggacag agcgcccaga gccgtcgtat tgcaaggggg agatggaggg gagggtcagg 3600
gcgccggagt agccgcggta ccctgagcgg taggagcggg gctgtcccct ttatctaggc 3660
cctcagggac aggcacgccc agaatggccg atctcagcat cacatagtcg c 3711

<210> 2008
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (434)
<223> n equals a,t,g, or c

<400> 2008
agatttactg tgcgctgctg ggctgcatgg acgactacac cacggacagc agaggggacg 60
tgggcacctg ggtccgcaag gccgccatga ccagtctgat ggatctgaca cttctgctgg 120
ctcggagcca gcctgagctg atcgaggccc atacctgtga gcgcatcatg tgctgtgtgg 180
cccagcaggc cagtgagaag attgaccgtt tccgtgctca cgccgccagc gtgttcctga 240
cgctcctgca ctttgacagc cctcccatcc cccacgtgcc ccaccgagga gaactggaaa 300
agctgtttcc caggtccgat gtggcctccg tgaactggag tgcamcttcc caggcyttcc 360
cacgcataac castccttgg gtkgccacyt acggtwacam gtcctggtgg gggtagtcgt 420
gtccttggcg gttnaggatg acgatccgga ttcaccaagc ttttataa 468

<210> 2009
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 2009
gagatggggn tccaaaagcc ccacagcact gccaatattc ctggagctca ctgccggagt 60
tctagcattt gttttcaaag actggatcaa agaccagctg tatttcttta taancaacaa 120
catcagagca tatcgggatg acattgattt gcaaaacctc atagacttca cccaggaata 180
ttggcagtgc tgtggggctt ttggagctga tgattggaac ctaaatattt acttcaattg 240
cacagattcc aatgcaagtc gagagcgatg tggcgttcca ttctcctgct gcactaaaga 300
tcccgcagaa gatgtcatca acactgagtg tggctatgga tgccaggcaa aaaccagaag 360
ttgaccagca gattgtaayc tacacgaaag gcygtgtgcc ccagtttgag aagtggttgc 420
aggacaattt aaccatcgtt gctggtattt tcataggcat gcattgctgc agatatttgg 480
gatatgccct ggcccagaat tkggttagcg atatcgaagc tgtcagggcg agctggtaga 540
ccccctgcaa ccgstgctgc aagacactgg acagacccag ctttcgggac cctcccgcgt 600
gccgaactga tcttcgagct gcatggacct aatcacagat gcagcctgca gtctcgccta 660
atggagctgc cattagggga gtgtaaaact gggaaatgct gctcactgac agaattaaaa 720
aaaaaaataa ccagtatgaa agtcgttgcg ccgtgaatct ctactgtagc catgaattta 780
tggacagtta gatgcttacc aaaaaaaaaa aaaaaaaact cgaggggggg cccgtaccc 839

<210> 2010
<211> 813
<212> DNA
<213> Homo sapiens

<400> 2010
tcgacccacg cgtccggctc cccgagccct gccaaccatg gtgaacttgg gtctgtcccg 60

ggtggacgac gccgtggctg ccaagcaccc gggactcggg gagtatgccg catgccagtc 120
acacgccttc atgaagggcg ttttcacctt cgtcacaggc accggcatgg cctttggctt 180
gcagatgttc attcagagga agtttccata ccctttgcag tggagcctcc tagtggccgt 240
ggttgcaggc tctgtggtca gctacggggt gacgagagtg gagtcggaga aatgcaacaa 300
cctctggctc ttcctggaga ccgggcagct ccccaaagac aggagcacag atcagagaag 360
ctaggagagc tccagcaggg gcacagagga ttgggggcag gaggagtctg gaacacagcc 420
ttcatgcccc ctgaccccag gccgaccctc cccacaccct agggtacccc agtcgtatcc 480
tctgtccgca tgtgtggcca ggcctgacaa acacctgcag atggctgctg ccccaacctg 540
ggacctgccc aggaggttgg agcagaaagg gctctccctg gggtggtgtt tctcctctag 600
ggtattggga tgcatgttct gcactgccag cagagagggt gtgtctgggg gccaccacct 660
atgggacacg gggtcgaagg ggcctgtaca ctctgtcatt tccttctag cccctgcatc 720
tccaacaagt ccaaggtgac agctggtgct aggggcgtgg ggttaataaa tggcttatcc 780
ttctctccaa aaaaaaaaaa aaaaaawaaa aaa 813

<210> 2011
<211> 994
<212> DNA
<213> Homo sapiens

<400> 2011
aaaggcgaaa ggccccattt attgttgctc ttttacgccc cagcttacct taggctcggt 60
gttgtttgga tttgaacgaa caattcccca gaaacgtatg ccatattcga ttaatcgatc 120
gtatagggat ttgccctgag ccaagatcgc caaggaggag atcttcgggc cagtgatgca 180
gatcctgaag ttcaagacca tagaggaggt tgttgggaga gccaacaatt ccacgtacgg 240
gctggccgca gctgtcttca caaaggattt ggacaaggcc aattacctgt cccaggccct 300
ccaggcgggc actgtgtggg tcaactgcta tgatgtgttt ggagcccagt cacccttttgg 360
tggctacaag atgtcgggga gtggccggga gttgggcgag tacgggctgc aggcatacac 420
tgaagtgaaa actgtcacag tcaaagtgcc tcagaagaac tcataagaat catgcaagct 480
tcctccctca gccattgatg gaaagttcag caagatcagc aacaaaacca agaaaaatga 540
tccttgcgtg ctgaatatct gaaaagagaa atttttccta caaaatctct tgggtcaaga 600
aagttctaga atttgaattg ataaacatgg tgggttggct gagggtaaga gtatatgagg 660
aacctttaa acgacaacaa tactgctagc tttcaggatg atttttaaaa aatagattca 720
aatgtgttat cctctctctg aaacgcttcc tataactcga gtttataggg gaagaaaaag 780
ctattgttta caattatatc accattaagg caactgctac accctgcttt gtattctggg 840
ctaagattca ttaaaaacta gctgctctta aaaaaaaaaa aaaagggcgg ccgctcgcga 900
tctagaacta gtccggacgc gtgggtcgac ccgrgaattc cggaccggta cctgcaggcg 960
taccttctat agtgagtcgt attagagctt gccg 994

<210> 2012
<211> 1770
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (674)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (694)
<223> n equals a,t,g, or c

<400> 2012
gnatgaacac caactggcca gcctcggtgc aggtcagcgt caatgccacg ccgctcacca 60
tcgagcgtgg cgacaacaag acctcgcaca agccactcta cctgaagcat gtgtgccagc 120
caggccgcaa caccatccag atcaccgtca ccgcctgctg ctgctcccac ctcttcgtgc 180
tgcagctagt gcaccgccca tccgtccgct cggtgctgca gggcctcctc aaaaagcgcc 240
tcctgcctgc tgagcactgc atcaccaaga taaagcggaa cttcagcagc ggcaccatcc 300
ctggcacccc tgggcccaac ggagaggacg gggtggagca gacagctatc aaggtgtccc 360
tgaagtgccc catcaccttc cgcaggatcc agctccctgc ccgaggtcat gactgtcgcc 420
acatacagtg ctttgacctg gagtcgtacc tgcagctcaa ctgtgagcgg gggacttgga 480
ggtgtcctgt gtgcaacaag acagctttgc tggagggcct ggaggtggac cagtacatgc 540
tgggcatcct gatttacatt cagaactctg actatgagga gatcaccatc gaccccacgt 600
gcagctggaa gccagtgccc gtgaagcctg acatgcacat caaggaggag ccggatgggc 660
cagcactkaa gcgntkccgm accgtgagcc ccgnccacgt gctyatgccc agcgtgatgg 720
agatgatcgc cgccctgggy cccggcgctg ccccctttgc cccctgcag cccccctcag 780
tccctccccc agcgtcccgg cagtccttgg gccaagcgag cttaggacct acgggtgaac 840
tggccttcag tcctgccaca ggcgtgatgg gsmcccccag catgtctgga gccggggagg 900
ccccagaacc agctctggac ctgctcccgg aactgaccaa ccctgatgag ctactgtcct 960
acttgggccc acccgacctc cctacgaaca acaatgacga cctgctttct ctgtttgaga 1020
acaactgatc ctgtgtttac cccaagcccg gcggggacac gctcacagat gtcaccacag 1080
ccctgccctt catgcccagc cccatgggac acccggtggt ctttcccaaa cctcccccaa 1140
aacacacctg gagccagagc cttctgccgc cagccctgcc cctgaattgg aagcagccct 1200
gtgctcgatg ggaggggctc ccaggccggc agcccttgcc acctccctct gccaagcctg 1260
ctgctgcaga acggtttttg ctgaggtgcc cctgcccagc cctgtccagc cttgtccaca 1320
cacacatctc acgcccctgg tctcacagcc tcacaccttg tccttccacc cctgcctgcc 1380
cccacccagc ctgcttcttg tccagcattg atccttctgt ttcaacaact cctccactgg 1440
gcagagctgg gcatctggca gggctggctc tgtcccctgg gcctttggct ccagtggccc 1500
ctgtgcccag cagtccagct cttggaacct cgctgaatgg cagcctcttg ggggcctgga 1560
gctctggcag cccagccgtg tgtggtgtca ggttcctctc cccaccccag cttcaagcag 1620
aggcctcggg gtgggggagc tacaaagcac aacaatgtac atagtgtaga aacaytaaca 1680
gctgggagag gggagccagc tgtccagcca gcatgttcct gttgtrymtc cygtctgtgc 1740
cgatctctat taaaggactc cctcttgaaa 1770

<210> 2013
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (697)
<223> n equals a,t,g, or c

<400> 2013
gctgtgctct gcccttcagn cccctgccag naccccaccc agccccctgg tgcctgctgc 60
cccagctgtg acagctgcac ctaccacagc caagtgtatg ccaatgggca gaacttcacg 120
gatgcagaca gcccttgcca tgcctgccac tgtcaggatg gaactgtgac atgctccttg 180
gttgactgcc ctyccacgac ctgtgccagg ccccagagtg gaccaggcca gtgttgcccc 240
aggtgcccag actgcatcct ggaggaagag gtgtttgtgg acggcgagag cttctcccac 300
ccccgagacc cctgccagga gtgccgatgc caggaaggcc atgcccactg ccagcctcgc 360
ccctgcccca gggccccctg tgcccacccg ctgcctggga cctgctgccc gaacgactgc 420
agcggmtgtg cctttggcgg gaaagagtac cccagcggag cggacttncc ccacccctct 480
gacccctgcc gtctgtgtcg ctgtctgagc ggcaacgtgc agtgcctggc ccgccgctgc 540
gtgccgctgc cttgtccaga gcctgtcctg ctgccgggag agtgctgccc ggaatggccc 600
aagccgccca gcccccggcc ggctgcccac gggcccgggc ncgggccaac ggcccggcca 660
ccaaggaagt acctttttc cccggncccg ggcgatnccc ttggccg 707

<210> 2014
<211> 2440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2421)
<223> n equals a,t,g, or c

<400> 2014
gattctgtgg aataccggta ttaccgcntt tgagtaactg ataccgctng cgcagccgaa 60
cgccgagcgc agcgagcagt agcgaggaag cgnaagagcg cccaatacgc aaaccgcctc 120
tccccgcgcg ttggccgatt cattaatgca gtggcacgac aggtttcccg actggaaagc 180
gggcagtgag cgcaacgcaa ttaatgtgag ttagctcact cattaggcac cccaggcttt 240
acactttatg cttccggctc gtatgttgtg tggaattgtg agcggataac aatttcacac 300
aggaaacagc tatgaccatg attacgccaa gctcgaaatt aaccctcact aaagggaaca 360
aaagctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 420
ggaattcggy wcgagctaag ctgcagtgat gttgcctata tttaaatttt ctcaaatggc 480
caagctctga tggtctactt tatttgagca atagttgaga cttataattg cctataaata 540
aacaaacaaa tgaactattt gtttttttct ctcacaacat ctggcctata ttgtctgtca 600
ggaagccatg gctccaatgt aaagtacata gttcttacat acttcaactg cagctggtcc 660
ctgacctcac caggtttcag agatgttctt aaaggaagcc agctgtggca ggtcacagat 720
tcatgggaaa tggaaagaac caaggaatat agctcttgcc tcacctttct acccactgca 780
gatatagttc aagccagagt aatggaagaa cttaacttac tagcctctca ggctgctcct 840
atccctacct cccagtgtac agcccctccc catctcttta gtccccttc cctcacttcc 900
ccttttataa tgtcacacaa atcagggaca gtaggatcac attataacct actttgtcat 960
agggattcga tttttcttat atcaaatcat gtttcctgaa acccagctgg ggcatatgca 1020
ctcaatgtct aatacatact tattaatgta ccggatattg gccttgcccc tggatatcag 1080
caatatatta taaaaggttc cagtagatga gacgattgag tctgaataca attgcagtaa 1140
attgtgccaa taaagatatt gtactgttac ggtcttagag ttaaagccgc ttgaatgcag 1200
catgcacatt catgtaaaca gacaatcagg gtaggcctag aataaccaca aaaattctat 1260
tggccttact gcagccacct atatgtagaa caatggagga gatagtttgt ggtccattat 1320
tgtaccctgt ttcatccatt agcatcagaa tctctctttc aggtcattta ttaaatatga 1380
ttgaaatgtt taaaagttcc tgaacatgat tcatgatgat taaaatatca tacaactgat 1440
aaaagacttt aagaacttta tatatttcct gttgcctcaa aatgtaacag aaattattct 1500
tagagctttg attttagcta tcctaattac tgcaaataaa tatttgttct tatagtttta 1560
aatcaaaaag aaaagtcttg ttataaaacc ttaagcttga aatcatatta ataaaatata 1620
ttgtacatag tggaaaattt tcagtagcta atttaaaatt tcagaaaatg ctattaaaga 1680
attttgattc aagtatttaa actgtttagt tatgcatgct tcttattaac cgaaaatgat 1740

aataccattt agtttagtga tcagtatgag aagcaatacc taatcctatg ttgctattgt 1800
atttttтcct agttggtgtg cctgctcaga aaaacatata ctgtatgtgt atacatacct 1860
gtgtatatat aaaaggtcaa tttatatatt tttctatagg aaaatggagt aacaagttcc 1920
ctatctccca tatttatttg tccatagtaa aatggccaca ttgatgataa tttctagaac 1980
tagtttctga gattgtcagc cctttgtcta aaataatggc agtattaatg attgacttct 2040
gtcactgcca tagttacctg gattgtcagc cttggtagcc tttgtctaaa gtcctaaaga 2100
gttccaaaaa aaatgtgttg aaatttaatt gctaaatagt ggttggtgat tctttacagt 2160
aggaattgta ataattttct tgcaaataag ttatttactg ctattgatat tgaataattt 2220
gtcttttatt cagatatatt tcaaaaagca tgaatatatg attattcata aattgtatac 2280
tttaccagta agttttcaga ggaaataaag acttttaaat ccttnnaaaa aaaaaaaaaa 2340
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2400
aaaaaaaaaa aaaaaacccc nggggggggcc ccsgccccca 2440

<210> 2015
<211> 3302
<212> DNA
<213> Homo sapiens

<400> 2015
gcggcacgag cgcccacsyg tcctgcrgca ctggatgctt tgtgagttgg ggattgttgc 60
gtcccatatc tggacccaga agggacttcc ctgctcggct ggctctcggt ttctctgctt 120
tcctccggag aaataacagc gtcttccgcg ccgcgcatgg agcctcccgg ccgccgcgag 180
tgtccctttc cttcctggcg ctttcctggg ttgcttctgg cggccatggt gttgctgctg 240
tactccttct ccgatgcctg tgaggagcca ccaacatttg aagctatgga gctcattggt 300
aaaccaaaac cctactatga gattggtgaa cgagtagatt ataagtgtaa aaaaggatac 360
ttctatatac ctcctcttgc cacccatact atttgtgatc ggaatcatac atggctacct 420
gtctcagatg acgcctgtta tagagaaaca tgtccatata tacgggatcc tttaaatggc 480
caagcagtcc ctgcaaatgg gacttacgag tttggttatc agatgcactt tatttgtaat 540
gagggttatt acttaattgg tgaagaaatt ctatattgtg aacttaaagg atcagtagca 600
atttggagcg gtaagccccc aatatgtgaa aaggttttgt gtacaccacc tccaaaaata 660
aaaaatggaa aacacacctt tagtgaagta gaagtatttg agtatcttga tgcagtaact 720
tatagttgtg atcctgcacc tggaccagat ccattttcac ttattggaga gagcacgatt 780
tattgtggtg acaattcagt gtggagtcgt gctgctccag agtgtaaagt ggtcaaatgt 840
cgatttccag tagtcgaaaa tggaaaacag atatcaggat ttggaaaaaa attttactac 900
aaagcaacag ttatgtttga atgcgataag ggtttttacc tcgatggcag cgacacaatt 960
gtctgtgaca gtaacagtac ttgggatccc ccagttccaa agtgtcttaa agtgtcgact 1020
tcttccacta caaaatctcc agcgtccagt gcctcaggtc ctaggcctac ttacaagcct 1080
ccagtctcaa attatccagg atatcctaaa cctgaggaag gaatacttga cagtttggat 1140
gtttgggtca ttgctgtgat tgttattgcc atagttgttg gagttgcagt aatttgtgtt 1200
gtcccgtaca gatatcttca aaggaggaag aagaaaggga aagcagatgg tggagctgaa 1260
tatgccactt accagactaa atcaaccact ccagcagagc agagaggctg aatagattcc 1320
acaacctggt ttgccagttc atcttttgac tctattaaaa tcttcaatag ttgttattct 1380
gtagtttcac tctcatgagt gcaactgtgg cttagctaat attgcaatgt ggcttgaatg 1440
taggtagcat cctttgatgc ttctttgaaa cttgtatgaa tttgggtatg aacagattgc 1500
ctgctttccc ttaaataaca cttagattta ttggaccagt cagcacagca tgcctggttg 1560
tattaaagca gggatatgct gtattttata aaattggcaa aattagagaa atatagttca 1620
caatgaaatt atattttctt tgtaaagaaa gtggcttgaa atctttttтg ttcaaagatt 1680
aatgccaact cttaagatta ttctttcacc aactatagaa tgtattttat atatcgttca 1740
ttgtaaaaag cccttaaaaa tatgtgtata ctactttggc tcttgtgcat aaaaacaaga 1800
acactgaaaa ttgggaatat gcacaaactt ggcttcttta accaagaata ttattggaaa 1860
attctctaaa agttaatagg gtaaattctc tatttttтgt aatgtgttcg gtgatttcag 1920

aaagctagaa agtgtatgtg tggcatttgt tttcactttt taaaacatcc ctaactgatc 1980
gaatatatca gtaatttcag aatcagatgc atcctttcat aagaagtgag aggactctga 2040
cagccataac aggagtgcca cttcatggtg cgaagtgaac actgtagtct tgttgttttc 2100
ccaaagagaa ctccgtatgt tctcttaggt tgagtaaccc actctgaatt ctggttacat 2160
gtgtttttct ctccctcctt aaataaagag aggggttaaa catgccctct aaaagtaggt 2220
ggttttgaag agaataaatt catcagataa cctcaagtca catgagaatc ttagtccatt 2280
tacattgcct tggctagtaa aagccatcta tgtatatgtc ttacctcatc tcctaaaagg 2340
cagagtacaa agtaagccat gtatctcagg aaggtaactt cattttgtct atttgctgtt 2400
gattgtacca agggatggaa gaagtaaata tagctcaggt agcactttat actcaggcag 2460
atctcagccc tctactgagt cccttagcca agcagtttct ttcaaagaag ccagcaggcg 2520
aaaagcaggg actgccactg catttcatat cacactgtta aaagttgtgt tttgaaattt 2580
tatgtttagt tgcacaaatt gggccaaaga aacattgcct tgaggaagat atgattggaa 2640
aatcaagagt gtagaagaat aaatactgtt ttactgtcca aagacatgtt tatagtgctc 2700
tgtaaatgtt cctttccttt gtagtctctg gcaagatgct ttaggaagat aaaagtttga 2760
ggagaacaaa caggaattct gaattaagca cagagttgaa gtttataccc gtttcacatg 2820
cttttcaaga atgtcgcaat tactaagaag cagataatgg tgtttttag aaacctaatt 2880
gaagtatatt caaccaaata ctttaatgta taaaataaat attatacaat atacttgtat 2940
agcagtttct gcttcacatt tgatttttc aaatttaata tttatattag agatctatat 3000
atgtataaat atgtattttg tcaaatttgt tacttaaata tatagagacc agttttctct 3060
ggaagtttgt ttaaatgaca gaagcgtata tgaattcaag aaaatttaag ctgcaaaaat 3120
gtatttgcta taaaatgaga agtctcactg atagaggttc tttattgctc atttttaaa 3180
aaatggactc ttgaaatctg ttaaaataaa attgtacatt tggaraaaaa aaaaaaaaaa 3240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3300
aa 3302

<210> 2016
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2016
caggcaggca ggctgagggc attgccaagg actaaaacca gtagagcaac ctctggccat 60
gtcacccctg cagtacagct ttatggcggt catccacttt gcggggctca aggccgtggg 120
cgagtcggtg cagaagcctc tggattatta cagagttaac ctgaccggga ccatccagct 180
tctggagatc atgaaggccc acggggtgaa gaacctggtg ttcagcagct cagccactgt 240
gtacgggaac ccccagtaac ctgccccttg atgaggccca ccccacggtg twtgttacca 300
accyttamgg saattccaat tyttcatcga ggaangancc gggactgtgc caggcagaca 360
agattggaac gcatcttgg 379

<210> 2017
<211> 2056

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2038)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2054)
<223> n equals a,t,g, or c

<400> 2017
gccttagctt tcagtgtagc tgggactaca ggtgtgaaca cagcttggaa atctcttaac 60
catgggagtt aagtctcaaa attctggtga tacaagtggt tgaaacttaa aactgtattt 120
aaaaaatagg attcgtgaat ttgagatagt tcataagtct gcaaaaggct gtataaatac 180
atattttaca tttactatta ttaattttgt agtaaatttg agtacagcac tctctttatc 240
tgtggaaact tcagactctc ccctattact ttaatttcag tgagacatta ttaaatataa 300
gtgggcttac acatttgttt tgctttactg acaaataata cacaacttgg aggcttttt 360
ttccttttcta ttcttcctct aaatgttcaa cacttttctg attttgtgat ttgaggttgt 420
ttaatagctt cctgaggctc cattgagacc gtatatacgt gacacttaac agtctagcct 480
tcctcggtac atatagatat atgatggtgg ctttgcctgt agtaaattca tgccaaaaca 540
taggctttca gtgcctatta catatggctt tcagctctct ctactgaggg atgtaggagt 600
ttatttctga ggtctgagcc tcttttcctt tacttccttt actctttcct aagccttctt 660
tataaaaact atgcatgttc tattgttttc ctttttgatt ccctttcttt tattatcccc 720
agtaggagtg acttgtaatt ctcatatgtt agaaaggcag rtctcctggt tgaagaaaag 780
atccacccaa gcaagtcagc atgtttaata atttttgagg gggatctcaa atgtgggaag 840
gattgttata taagacaacc aaatgatgac atgagacaat aaatgctata ggaattatgg 900
aggaataatt agctatttat tttcttggtt agggaagaga tattattagt tgtagaagta 960
attactaact tctacatttt ttattgtgga aatcaaaaat atatatatga aaataaaatg 1020
ttataattga cttcagtgtc ccataaacca gcttcaacaa ttaccaaatt gtgaccaatc 1080
tttacacaca tgcacaggtg tccctcagta tctgtggggc attggttcta ggaccactta 1140
tggataccaa catctatgga tgctcaagtc cctgatataa aatggtggac tatttgcata 1200
taacctgtgt acatcccgta ttatttaaat catccctaga tcacttataa tacgtaatac 1260
aatgtaaatg ccatgtaaat aactgttata ctgtattaag gaataacaac aagaaaaatg 1320
tacatgttca gtacagacgc aatttttttt gtgtgtggaa tattttcatt ccaaggtcag 1380
ttgaacccat ggacatagga ggctgactgc gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 1440
gtgtgtgtgt gcatacagac acacatattt ctgaaatgta aatattctct ttttaaaaaa 1500
attattatca cagctaaaca aattaccagt aattctttta tcctcatata cccggtgttc 1560
agattttcta gattggctcc taatttttt acagattatt tgaatctgat tcaattcatg 1620
tactgtaatg tttgataact taagtaccct ttataggttc tcttttacct cttctttatt 1680
aaattccttg taatttgttg tactaaatag attgtcttct agaatttcct gtagtctgaa 1740
ttatgtagta ttgtttcaca tgttccagtg tcctcttatt tcctgtgagt tggtagttag 1800
atctagaagc ttgattaaat tcagattttc tctctttaga tcatcaactt tagatcatca 1860
acttggatca tttgtttcat tttgcttttg atatgttgtt ttttagaatt acctcttaaa 1920
attttgattt aattttataa tcatgtaaaa tgtttataaa tttccaaatt cagatcagca 1980
aaacacaata aaatctattc agagaaggca aaaaaaaaaa aaaaaaaaaa aaaaaaanaa 2040
aaaaaaaaaa aaanaa 2056

<210> 2018

<211> 1891
<212> DNA
<213> Homo sapiens

<400> 2018
gcttctcagt tgtggacgmk cgtaagtttt cggcagtttc cggggagact cggggactcc 60
gcgtctcgct ctctgtgttc caatcgcccg gtgcggtggt gcagggtctc gggctagtca 120
tggcgtcccc gtctcggaga ctgcagacta aaccagtcat tacttgtttc aagagcgttc 180
tgctaatcta cacttttatt ttctggatca ctggcgttat ccttcttgca gttggcattt 240
ggggcaaggt gagcctggag aattactttt ctcttttaaa tgagaaggcc accaatgtcc 300
ccttcgtgct cattgctact ggtaccgtca ttattctttt gggcaccttt ggttgttttg 360
ctacctgccg agcttctgca tggatgctaa aactgtatgc aatgtttctg actctcgttt 420
ttttggtcga actggtcgct gccatcgtag gatttgtttt cagacatgag attaagaaca 480
gctttaagaa taattatgag aaggctttga agcagtataa ctctacagga gattatagaa 540
gccatgcagt agacaagatc caaaatacgt tgcattgttg tggtgtcacc gattatagag 600
attggacaga tactaattat tactcagaaa aaggatttcc taagagttgc tgtaaacttg 660
aagattgtac tccacagaga gatgcagaca aagtaaacaa tgaaggttgt tttataaagg 720
tgatgaccat tatagagtca gaaatgggag tcgttgcagg aatttccttt ggagttgctt 780
gcttccaact gattggaatc tttctcgcct actgcctctc tcgtgccata acaaataacc 840
agtatgagat agtgtaaccc aatgtatctg tgggcctatt cctctctacc tttaaggaca 900
tttagggtcc cccctgtgaa ttagaaagtt gcttggctgg agaactgaca acactactta 960
ctgatagacc aaaaaactac accagtaggt tgattcaatc aagatgtatg tagacctaaa 1020
actacaccaa taggctgatt caatcaagat ccgtgctcgc agtgggctga ttcaatcaag 1080
atgtatgttt gctatgttct aagtccacct tctatcccat tcatgttaga tcgttgaaac 1140
cctgtatccc tctgaaacac tggaagagct agtaaattgt aaatgaagta atactgtgtt 1200
cctcttgact gttatttttc ttagtagggg gcctttggaa ggcactgtga atttgctatt 1260
ttgatgtagt gttacaagat ggaaaattga ttcctctgac tttgctattg atgtagtgtg 1320
atagaaaatt caccctctg aactggctcc ttcccagtca aggttatctg gtttgattgt 1380
ataatttgca ccaagaagtt aaaatgtttt atgactctct gttctgctga caggcagaga 1440
gtcacattgt gtaatttaat ttcagtcagt caatagatgg catccctcat cagggttgcc 1500
agatggtgat aacagtgtaa ggccttgggt ctaaggcatc cacgactgga agggactact 1560
gatgttctgt gatacatcag gtttcagcac acaacttaca tttctttgcc tccaaattga 1620
ggcatttatt atgatgttca tactttccct cttgtttgaa agtttctaat tattaaatgg 1680
tgtcggaatt gttgtatttt ccttaggaat tcagtggaac ttatcttcat taaatttagc 1740
tggtaccagg ttgatatgac ttgtcaatat tatggtcaac tttaagtctt agttttcgtt 1800
tgtgcctttg attaataagt ataactctta tacaataaat actgctttcc tctaaaaaaa 1860
aaaaaaaaaa aaaaaaaagt cgtatcgatg t 1891

<210> 2019
<211> 3557
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2779)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3557)
<223> n equals a,t,g, or c

<400> 2019
tatgcccgac ccgtctacct ttagaacact ttgctnatcc aagatgggga gaatccagtt 60
caaatctctt tgkactaatt ttatcatatt gtactttaag atcactggta tctaacccct 120
ctacattaag gccaaactga agggcatctc ccagctgcag taagaactca gatgatgagt 180
gaagaattct ggggttgggg gagtgcaata taagcaagct aacctgtttc aatgaaacag 240
atgatcaatg aagacactgc atcatttgtt tccaaaagtt aggccttgca gccaaggctt 300
tggcttttta gagaaaatta gctctaaaga ccagggcacc taggcaacct agcagagaag 360
aagtttcatg aagtcagagc ccaggtgttt gggtgagggt agggagttgg ggcaaagcaa 420
cactgggctt ctaaaaaaga aatgtctccc ctgagatgaa tgacttgttg gcacaagttt 480
caggaaagac aaagctctaa aaatatcatt gtaaaattaa taatacttct ccaaagtaag 540
gactcaactc aaactatcct tggatgcaat taaaatggcc ttggaagaag ctttcaggtg 600
cggaggtact caccagtgtc ctgccagcac cttcatctct gaagaagtca tcggagggag 660
ccactacctt gattttatga ccacagatga gtttccttta atccgaaaga gattgacttt 720
tggcattttt ttcttagttt ttgtttattt atattctttt aagctttaaa aaaaagtgtc 780
attgctgtgc ttcttattcc tctggctgac tttagaattg aggactggga atcctgaaaa 840
tttgcaaagt tatctactat cctcactgcc ttggaacacc cattattcca ctctgtctaa 900
tttctactca tgtttcaagt ctaaacagga agattcctct gtgatcatgc ctctcccttt 960
ctcatgaatt aaatgcatat attatgctag taatgcttct ggaatgaatg aataatagaa 1020
agaaagaaag tgggggggagg gaagcaggga aagtaaaatg agaaaggcag ccttatctgg 1080
aaggagctcc caaaagtgta tctcttaaca cctatcagaa aaaaaagggc caacaaatat 1140
ccaggcaacg aaggtatgga ccagtaggaa gaatctgagg gaattacatt ttggaaaaag 1200
cattgctctc ccaagattcc cttttaaaaa tttaaataaa ccttgagagt agtgatgcat 1260
aaatgaattt gatctgtcac agtcccgcct ttggaagagg gcctcagagc ttatgaaaga 1320
ccctaagtgg gggtgggaga agacaaaagg ggtgggatgt cagtttcaag tttccagggc 1380
attctctgat tgtgctctat gtccctgcag actgccagtg tgacctcacc ctctccagtc 1440
acccctcctc agttccagct atgagttcct gcaacttcac acatgccacc tttgtgctta 1500
ttggtatccc aggattagag aaagcccatt tctgggttgg cttccccctc ctttccatgt 1560
atgtagtggc aatgtttgga aactgcatcg tggtcttcat cgtaaggacg gaacgcagcc 1620
tgcacgctcc gatgtacctc tttctctgca tgcttgcagc cattgacctg gccttatcca 1680
catccaccat gcctaagatc cttgcccttt tctggtttga ttcccgagag attagctttg 1740
aggcctgtct tacccagatg ttctttattc atgccctctc agccattgaa tccaccatcc 1800
tgctggccat ggcctttgac cgttatgtgg ccatctgcca cccactgcgc catgctgcag 1860
tgctcaacaa tacagtaaca gcccagattg gcatcgtggc tgtggtccgc ggatccctct 1920
ttttttccc actgcctctg ctgatcaagc ggctggcctt ctgccactcc aatgtcctct 1980

cgcactccta ttgtgtccac caggatgtaa tgaagttggc ctatgcagac actttgccca 2040
atgtggtata tggtcttact gccattctgc tggtcatggg cgtggacgta atgttcatct 2100
ccttgtccta ttttctgata atacgaacgg ttctgcaact gccttccaag tcagagcggg 2160
ccaaggcctt tggaacctgt gtgtcacaca ttggtgtggt actcgccttc tatgtgccac 2220
ttattggcct ctcagttgta caccgctttg gaaacagcct tcatcccatt gtgcgtgttg 2280
tcatgggtga catctacctg ctgctgcctc ctgtcatcaa tcccatcatc tatggtgcca 2340
aaaccaaaca gatcagaaca cgggtgctgg ctatgttcaa gatcagctgt gacaaggact 2400
tgcaggctgt gggaggcaag tgacccttaa cactacactt ctccttatct ttattggctt 2460
gataaacata attatttcta acactagctt atttccagtt gcccataagc acatcagtac 2520
ttttctctgg ctggaatagt aaactaaagt atggtacatc tacctaaagg actattatgt 2580
ggaataatac atactaatga agtattacat gatttaaaga ctacaataaa accaaacatg 2640
cttataacat taagaaaaac aataaagata catgattgaa accaagttga aaaatagcat 2700
atgccttgga ggaaatgtgc tcaaattact aatgatttag tgttgtccct actttctctc 2760
tctttttttct ttctttttnt tttattatgg ttagctgtct caaagcataa aatggaataa 2820
catatcaaat gaaacagggg aaaatgaagc tgacaattta tggaagccag ggcttgtcac 2880
agkctctact gttattatgc attacctggg aatttatata agcccttaat aataatgcca 2940
atgaacatct catgtgtgct cacaatgttc tggcactatt ataagtgctt cacaggtttt 3000
atgtgttctt cgtaacttta tggagtaggt accatttgtg tctctttatt ataagtgrga 3060
gaaatgaagt ttatattatc aaggggacta aagtcacacg gcttgtgggc actgtgccaa 3120
gatttaaaat taaatttgat ggttgaatac agttacttaa tgaccatgtt atattgcttc 3180
ctgtgtaaca tctgccattt atttcctcag ctgtacaaat cctctgtttt ctctctgtta 3240
cacactaaca tcaatggctt tgtacttgtg atgagagata accttgccct agttgtgggc 3300
aacacatgca gaataatcct gttttacagc tgcctttcgt gatcttattg cttgcttttt 3360
tccagattca gggagaatgt tgttgtctat ttgtctctta catctccttg atcatgtctt 3420
catttttaa tgtgctctgt acctgtcaaa aattttgaat gtacaccaca tgctattgtc 3480
tgaacttgag tataagataa aataaaattt tattttaaat tnnaaaaaaa aaaaaaaaaa 3540
aaaaaaaaaa actcgan 3557

<210> 2020
<211> 1599
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<400> 2020
gggcgcggga aggtgcgggt tgttggctga ggcaagccgt ggctcgggcg acgcggggcc 60
aggagggcag gaccgtctgc cggcgacagc ccataccgtc tgccgttgcg cgacacgaac 120
caccctccga tccgccatcc ccgcgtcgtc gccgctagtc cgcccgcccg ccctcgggcc 180
ccccgctgcc gagcccgacc tcctaagagc tgaaagaaat tattgagagt catagtccat 240
agccccctgc ttcgtccccc aaccctcaac gacgaaaagg acttcggtcc cctggcccgg 300
cgacgcccgg gaaggaaagg agagcgacct ccgccccgcg ctcaggccac cctggaggga 360
gaagccgccc cgcgcnngsg ttagagcgcc ccgccgcccc gtagacccga agccgcctgg 420

agcccaaggc tgtacacgtg ccctgtgctg attctctgcc taggaaagga ccatgcagct 480
agagatcaaa gtggccctga acttcatcca tctcctactt gtacaacaag ctgccccggc 540
gccgggcaga cctgtttggg gaggagctag agcggctttt gaaaargaaa tatgaaggcc 600
actggtaccc tgagaagcca ctgaaaggct ctggcttccg ctgtgttcac attggggaga 660
tggtggaccc cgtggtggag ctggccgcca agcggagtgg cctggcggtg gaagatgtgc 720
gggccaatgt gcctgaggag ctgagtgtct ggattgatcc ctttgaggtg tcctaccaga 780
ttggtgagaa gggagctgtg aaagtgctgt acctggatga cagtgagggt tgcggtgccc 840
cagagctgga caaggagatc aagagcagct tcaaccctga cgcccaggtg ttcgtgccca 900
ttggcagcca ggacagctcc ctgtccaact ccccatcgcc atcctttggc cagtcaccca 960
gccctacctt cattccccgc tccgctcagc ccatcacctt caccaccgcc tccttcgctg 1020
ccaccaaatt tggctccact aagatgaaga agggggcgg ggcagcaagt ggtgggggtg 1080
tagccagcag tggggcgggt ggccagcagc caccacagca gcctcgcatg gcccgctcac 1140
ccaccaacag cctgctgaag cacaagagcc tctctctgtc tatgcattca ctgaacttca 1200
tcacggccaa cccggcccct cagtcccagc tctcacccaa tgccaaggag ttcgtgtaca 1260
acggtggtgg ctcacccagc ctcttctttg atgcggccga tggccagggc agcggcaccc 1320
caggcccgtt tggaggcagt ggggctggca cctgcaacag cagcagcttt gacatggccc 1380
aggtatttgg aggtggtgcc aacagcctct tcctggagaa gacacccttt gtggaaggcc 1440
tcagctacaa cctgaacacc atgcagtatc ccagccagca gttccagccc gtggtgctgg 1500
ccaactgacc atctacctgc ccgtggggcc aggagcaccc aagaccacag aaaagagaaa 1560
ggaaaggcca aaaaaaaaaa aaaaaaactc gagactagt 1599

<210> 2021
<211> 2593
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2348)
<223> n equals a,t,g, or c

<400> 2021
ggccactcca tctgagggtg gctgcgtgtc cacataygag gggacagggc tgaggatgag 60
gagaaccctg gggacccaga agaccgtgcc ttgcccggaa gtcctgcctg taggcctgaa 120
ggacttgccc taacagagcc tcaacaacta cctggtgatt cctacttcag ccccttggtg 180
tgagcagctt ctcaacatga actacagcct ccacytggcc ttcgtgtgtc tgagtctctt 240
cactgaragg atgtgcatcc aggggagtca gttcaacgtc gaggtcggca gaagtgacaa 300
gctttccctg cctggctttg agaacctcac agcaggatat aacaaatttc tcaggcccaa 360
ttttggtgga gaacccgtac agatagcgct gactctggac attgcaagta tctctagcat 420
ttcagagagt aacatggact acacagccac catatacctc cgacagcgct ggatggacca 480
gcggctggtg tttgaaggca acaagagctt cactctggat gcccgcctcg tggagttcct 540
ctgggtgcca gatacttaca ttgtggagtc caagaagtcc ttcctccatg aagtcactgt 600
gggaaacagg ctcatccgcc tcttctccaa tggcacggtc ctgtatgccc tcagaatcac 660
gacaactgtt gcatgtaaca tggatctgtc taaatacccc atggacacac agacatgcaa 720
gttgcagctg gaaagctggg gctatgatgg aaatgatgtg gagttcacct ggctgagagg 780
gaacgactct gtgcgtggac tggaacacct gcggcttgct cagtacacca tagagcggta 840
tttcacctta gtcaccagat cgcagcagga gacaggaaat tacactagat tggtcttaca 900
gtttgagctt cggaggaatg ttctgtattt cattttggaa acctacgttc cttccacttt 960
cctggtggtg ttgtcctggg tttcattttg gatctctctc gattcagtcc ctgcaagaac 1020
ctgcattggr gtgacraccg tgttatcaat gaccacactg atgatcgggt cccgcacttc 1080
tcttcccaac accaactgct tcatcaaggc catcgatgtg tacctgggga tctgctttag 1140

ctttgtgttt ggggccttgc tagaatatgc agttgctcac tacagttcct tacagcagat 1200
ggcagccaaa gataggggga caacaaagga agtagaagaa gtcagtatta ctaatatcat 1260
caacagctcc atctccagct ttaaacggaa gatcagcttt gccagcattg aaatttccag 1320
cgacaacgtt gactacagtg acttgacaat gaaaaccagc gacaagttca agtttgtctt 1380
ccgagaaaag atgggcagga ttgttgatta tttcacaatt caaaacccca gtaatgttga 1440
tcactattcc aaactactgt ttcctttgat ttttatgcta gccaatgtat tttactgggc 1500
atactacatg tatttttgag tcaatgttaa atttcttgca tgccataggt cttcaacagg 1560
acaagataat gatgtaaatg gtattttagg ccaagtgtgc acccacatcc aatggtgcta 1620
caagtgactg aaataatatt tgagtctttc tgctcaaaga atgaagctcc aaccattgtt 1680
ctaagctgtg tagaagtcct agcattatag gatcttgtaa tagaaacatc agtccattcc 1740
tctttcatct taatcaagga cattcccatg gagcccaaga ttacaaatgt actcagggct 1800
gtttattcgg tggctccctg gtttgcattt acctcatata aagaatggga aggagaccat 1860
tgggtaaccc tcaagtgtca gaagttgttt ctaaagtaac tatacatgtt ttttactaaa 1920
tctctgcagt gcttataaaa tacattgktg cctatttagg gagtaacatt ttctagtttt 1980
tgtttctggt taaaatgaaa tatgggctta tgtcaattca ttggaagtca atgcactaac 2040
tcaataccaa gatgagtttt taaataatga atattattta ataccacaac agaattatcc 2100
ccaatttcca ataagtccta tcattgaaaa ttcaaatata agtgaagaaa aaattagtag 2160
atcaacaatc taaacaaatc cctcggttct aagatacaat ggattcccca tactggaagg 2220
actctgaggc tttattcccc cactatgcat atcttatcat tttattatta tacacacatc 2280
catcctaaac tatactaaag ccctttttccc atgcatggat ggaaatggaa gattttttt 2340
taacttgntc tagaagtctt aatatgggct gttgccatga aggcttgcag aattgagtcc 2400
attttctarc tgcctttatt cacayagtga yggggtacta aaagtactgg gttgactcrr 2460
agagtygctg tcattctgtc attgctgcta ctctaacact gagcarcact ctcccagtgg 2520
cagatcccct gkatcattcc argaggagca ttcatccctt tggtctaatg rtcagggaat 2580
gratgsttat tat 2593

<210> 2022
<211> 1688
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (802)
<223> n equals a,t,g, or c

<400> 2022
tgccggctgg agtccggagt ccctggccta ctggccgrac cgttccgaca ccgaggtgcc 60
tcctctggac ctgggctgga cggacactgg tttctaccgc ggcgtgagcc sggtcacgct 120
cttcacccac ccgcccaagg acgagaaggc gccgcacctc aagcaggngg tcaggcagat 180
gatccaacag gcccagaagg tcattgctgt ggtcatggac ctcttcactg atggngatat 240

ctttcaagac attgtggatg ctgcctgtaa gcgccgggtc ccagtgtaca tcatcctgga 300
cgaggcagga gtgaagtatt tcctggagat gtgtcaggac ctgcagctca ctgacttccg 360
gattcggaac atccgtgtcc gctctgtgac aggcgtcggc ttctacatgc ccatggggag 420
gatcaagggg accctgtcat caaggttcct gatggtggac ggtgacaaag tggccactgg 480
atcttacagg ttcacctgga gttcctccca tgtggacaga aacctcctcc tgctcctgac 540
aggacagaac gtagagccct ttgacacgga gttccgggag ctgtacgcca tctccgagga 600
ggtggacttg taccggcagc tgagcctggc gggcagggtt ggcctccatt actcctccac 660
tgtggctcga aagcttatca accccaagta cgccttggtg tcaggctgcc gccacccgcc 720
tggggagatg atkcgctggg ctgcccggca acagcgggag gcgggcggca acccggaggg 780
gcaggaggag ggcgccagcg gnggcgagtc ggcctggcgc ctggagagct tcctgaaaga 840
cctggttacg gtggagcagg tgctgccccc cgtggagccc atccccttgg gagagctgag 900
ccagaaggat ggcaggatgg tctctcacat gcacagagac ctgaagccca aatcccgaga 960
ggcacccagc cgaaayggca tgggagaagc ggcccggggg gaggccgccc ccgccgggcg 1020
cttcagcagc aggctcttca gtcgccgagc caagaggcct gcggcgccca atggcatggc 1080
cagctctgtc tccaccgaga cctctgaagt ggagtttctg acggggaaga ggcccaacga 1140
gaattccagt gctgacatct caggtaaaac aagtcccagt tctgccaagc ctagcaactg 1200
tgtgatttcc tgagctgcgg gatggtggtg ggcaggacgt gtggatgcct gcctgccctg 1260
ccctgtgctg tggagagcgc aggtcgcaca ctgcaccagt ttgcacatca gacgccaact 1320
ggccttctgc cctgcagcct ccgtcctggc ctcagggacg ctggatccca aatgagaggg 1380
tccgaagcat ctcagtcaca cgcctccacc ggactgtcgg tggctgggca ggggtcagtg 1440
ccacggcctc cttgtttaca tgaagtggaa gcttgaccag tgtctgctcg cctttgtgcc 1500
ccacccccctc cgctgattgc cagatggggt gagggcccat tctttaaacc tttatggggt 1560
ggggtgtctg gggcagctgc agtggcttct cctttcccag gcttcctggt gcttctgatt 1620
ccccacgcca ctccccaccc aagagattgg tggaataaaa gggaagaggg cagggccctg 1680
agactgga 1688

<210> 2023
<211> 2543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<400> 2023
gacagtnacn gtacnggant cccggtcgac ccacgcgtcc gggctcttct ggcgccaaaa 60
tgtcgttcgt ggcaggggtt attcggcggc tggacgagac agtggtgaac cgcatcgcgg 120
cgggggaagt tatccagcgg ccagctaatg ctatcaaaga gatgattgag aactgtttag 180
atgcaaaatc cacaagtatt caagtgattg ttaaagaggg aggcctgaag ttgattcaga 240
tccaagacaa tggcaccggg atcaggaaag aagatctgga tattgtatgt gaaaggttca 300
ctactagtaa actgcagtcc tttgaggatt tagccagtat ttctacctat ggctttcgag 360
gtgaggcttt ggccagcata agccatgtgg ctcatgttac tattacaacg aaaacagctg 420
atggaaagtg tgcatacaga gcaagttact cagatggaaa actgaaagcc cctcctaaac 480
catgtgctgg caatcaaggg acccagatca cggtggagga cctttttttac aacatagcca 540
cgaggagaaa agctttaaaa aatccaagtg aagaatatgg gaaaattttg gaagttgttg 600
gcaggtattc agtacacaat gcaggcatta gtttctcagt taaaaaacaa ggagagacag 660
tagctgatgt taggacacta cccaatgcct caaccgtgga caatattcgc tccatctttg 720
gaaatgctgt tagtcgagaa ctgatagaaa ttggatgtga ggataaaacc ctagccttca 780
aaatgaatgg ttacatatcc aatgcaaact actcagtgaa gaagtgcatc ttcttactct 840
tcatcaacca tcgtctggta gaatcaactt ccttgagaaa agccatagaa acagtgtatg 900
cagcctattt gcccaaaaac acacacccat tcctgtacct cagtttagaa atcagtcccc 960
agaatgtgga tgttaatgtg caccccacaa agcatgaagt tcacttcctg cacgaggaga 1020
gcatcctgga gcgggtgcag cagcacatcg agagcaagct cctgggctcc aattcctcca 1080
ggatgtactt cacccagact ttgctaccag gacttgctgg cccctctggg gagatggtta 1140
aatccacaac aagtctgacc tcgtcttcta cttctggaag tagtgataag gtctatgccc 1200
accagatggt tcgtacagat tcccgggaac agaagcttga tgcatttctg cagcctctga 1260
gcaaacccct gtccagtcag ccccaggcca ttgtcacaga ggataagaca gatatttcta 1320
gtggcagggc taggcagcaa gatgaggaga tgcttgaact cccagcccct gctgaagtgg 1380
ctgccaaaaa tcagagcttg gaggggggata caacaaaggg gacttcagaa atgtcagaga 1440
agagaggacc tacttccagc aaccccagaa agagacatcg ggaagattct gatgtggaaa 1500
tggtggaaga tgattcccga aaggaaatga ctgcagcttg tacccccccgg agaaggatca 1560
ttaacctcac tagtgttttg agtctccagg aagaaattaa tgagcaggga catgaggttc 1620
tccgggagat gttgcataac cactccttcg tgggctgtgt gaatcctcag tgggccttgg 1680
cacagcatca aaccaagtta taccttctca acaccaccaa gcttagtgaa gaactgttct 1740
accagatact catttatgat tttgccaatt ttggtgttct caggttatcg gagccagcac 1800
cgctctttga ccttgccatg cttgccttag atagtccaga gagtggctgg acagaggaag 1860
atggtcccaa agaaggactt gctgaataca ttgttgagtt tctgaagaag aaggctgaga 1920
tgcttgcaga ctatttctct ttggaaattg atgaggaagg gaacctgatt ggattacccc 1980
ttctgattga caactatgtg ccccctttgg agggactgcc tatcttcatt cttcgactag 2040
ccactgaggt gaattgggac gaagaaaagg aatgttttga aagcctcagt aaagaatgcg 2100
ctatgttcta ttccatccgg aagcagtaca tatctgagga gtcgaccctc tcaggccagc 2160
agagtgaagt gcctggctcc attccaaact cctggaagtg gactgtggaa cacattgtct 2220
ataaagcctt gcgctcacac attctgcctc ctaaacattt cacagaagat ggaaatatcc 2280
tgcagcttgc taacctgcct gatctataca aagtctttga gaggtgttaa atatggttat 2340
ttatgcactg tgggatgtgt tcttctttct ctgtattccg atacaaagtg ttgtatcaaa 2400
gtgtgatata caaagtgtac caacataagt gttggtagca cttaagactt atacttgcct 2460
tctgatagta ttcctttata cacagtggat tgattataaa taaatagatg tgtcttaaca 2520
taaaaaaaaa aaaaaaaaaa aaa 2543

<210> 2024
<211> 504
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2024
ggcacagctt gtttttccaa gcagctgttt ggctttccra agcccacttt ctgtctttaa 60
raggtttaaa garactacca gaccattttc caatgaatgt cttggtacca ccagacccgt 120
agttcctatt gattcatcag attttgcatt ggatattcgc atgcctgggg ttacacctaa 180
acagtccgat acatacttct gcatgtctat gcgaatacca gtggatgagg aagccttcgt 240
gattgacttc aagcctcgag ccagcatgga tactgtccat cacatgttac tttttggatg 300
caatatgcct tcatccactg gaakttactg gttttgtgat gaaggaacct gtacagataa 360
agccaatgat tctgtatgcc tgggcgagaa atgcttcccc ctacccgggc tccccaaang 420
gtgttgggat tcagagttgg gaggagnaga ctgggaagta aatacttggt actacaggtg 480
acactaaggg ggantattaa tggc 504

<210> 2025
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (752)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (778)
<223> n equals a,t,g, or c

<400> 2025
gactcctata gggaaagctg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc 60
cacgcgtccg gcaaaggatt ctattcttac cagtcactgc acgagtggtt cagggacacg 120
gatgcggagt ttgttgatat cgatggaaaa tcgcatctca tcctgtncan ccgctcccan 180
gtccccatca tcctccagtg gaataaaagc tctaagaagt ttgtccccca tggtgacatc 240
cccaacatgg aggacgtact ggctgtgaag agcttccgaa tgcaaaatac cctctacctt 300
tcccttaccc gcttcatcgg ggactcccgg gtcatgaggt ggaacagtaa gcagtttgtg 360
gagatccaag ctcttccatc ccgggggccc atgaccctgc agccctttc ttttaaagat 420
aatcactacc tggccctggg gagtgactat acattctctc agatatacca gtgggataaa 480
gagaagcagc tattcaaaaa gtttaaggag atttacgtgc aggcgcctcg ttcattcaca 540
gctgtctcca ccgacaggag agatttcttt tttgcatcca gtttcaaagg gaaaacaaag 600
atttttgaac atataattgt tgacttaagt ttgtgaaggt gtggtgggtg aaactaagag 660
aaatgtagca ttagctctac aaaagaggac caagaaaaat caacaaacaa atcaaagcca 720
ggctcagagc tctgaaatta aaaagcactg anatagttag atggtttcaa acttttancc 780

<210> 2026
<211> 2521
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<400> 2026
gcttgggaag gccgcgttgc atggccagga gcagcagtct gggccgcgag tgcgggacac 60
cgaggtcagg tctcggaaag ggaggacctc ctcgtcccca ggggccccag gccaggtgca 120
cccttggccg cangtgcacg gtctccggaa agtgcaggcg cccacgtccc agctggacca 180
tggcgcctcc gcggaacgtg gtgaagattg ccatccagat gcgtgacgcc atcccgcagc 240
tcatccagct ggaccaggcg aagccctggc cgctgtgctg aaggaggtgt gcgacgcgtg 300
gagcctgacg cactctgagc gttacgccct gcagtttgcg gatgggcacc ggagatacat 360
caccgagaat aaccgcgcgg agatcaagaa tggcagcatc ctgtgcctca gcacggcccc 420
agaccttgag gctgagcagc tcttgggtgg gctgcagagt aacagtcctg aagggcgccg 480
ggaagccctg argcgccttg ttccgctggc ctcggacatg atctttgcca gggaggtcat 540
cagccgtaat gggctccaga tactaggcac catcattgaa gatggggack acctaggaga 600
ggtgctggcc ctcagcctga gggccttctc agagctcatg gagcacggcg tggtgtcctg 660
ggagactctg agcatcccct ttgtgaggaa ggtggtgtgc tacgtgaaca tgaacctcat 720
ggatgcctcc gtgcctcccc tggcccttgg gctgctggag agtgtgacct tgagcagccc 780
agccctgggc cagctggtca agagcgaggt gcccctggat aggctgctgg tgcacctaca 840
ggtgatgaac cagcagctgc aaaccaaggc catggccctg ctgacagcct tgctgcaggg 900
ggccagccct gtggaacgca agcacatgct tgactatctt tggcagagga accttcgcca 960
gttcatctat aagaacatca tccacagtgc agcaccaatg ggcgacgaga tggctcatca 1020
cctgtacgta ctgcaggctc tcatgctggg gctgctggag ccgcgcatgc ggacgccccc 1080
ggaccctac agccaggagc agcgggagca gctgcaggtc ctacgccagg ctgccttcga 1140
ggtggagggg gagtcctcgg gtgccgggct aagtgctgac cgtcgccgtt ccctctgtgc 1200
ccgagagttc cgcaaactgg gcttttctaa cagcaaccca gcacaggacc tggagcgcgt 1260

gccccccggt ctgctggccc tggacaacat gttgtacttc tccagaaacg cgcccagcgc 1320
gtacagccgg tttgtgttgg agaacagcag ccgcgaggac aagcacgagt gccccctttgc 1380
ccggggcagc atccagctga cggtgctgct gtgtgagctg ctccgtgttg gggagccctg 1440
ctctgagaca gcccaggact tctcacccat gttcttcggc caagaccaga gcttccacga 1500
gctcttctgt gtgggcatcc agctgttgaa taagacctgg aaggagatgc gggctacaca 1560
ggaggacttc gacaaggtca tgcaggtggt gcgggagcag ctggcccgca ctctggccct 1620
gaagcccact tccctggagc tcttccgaac caaggtgaat gcgctcactt atggggaggt 1680
gctgcggctg cggcagactg aacggctgca ccaggagggc acactggctc cccctatact 1740
ggagctgcgg gagaagctga agccagagct catgggcctg atccgccagc agcgcttgct 1800
ccgcctctgt gaggggacgc tcttccgcaa gatcagcagc cggcggcgcc aggataagct 1860
gtggttctgc tgcctgtccc ccaaccacaa gctgctgcag tacggagaca tggaggaggg 1920
cgccagcccg cctaccctgg agagtctgcc cgagcaactc cctgtggccg acatgagggc 1980
actcctgaca ggcaaggact gccccatgt ccgggagaag ggctccggga agcagaacaa 2040
ggacctctat gagttggcct tctcaatcag ctatgaccgt ggggaggagg aagcgtacct 2100
caacttcatt gccccctcca agcgggagtt ctacctgtgg acagatgggc tcagtgcctt 2160
gctgggcagt cccatgggca gcgagcagac acggctggac ctggagcagc tgctgaccat 2220
ggagaccaag ctgcgtctgc tggagctgga gaacgtgccc atccccgagc ggccaccccc 2280
tgtgccccca ccccccacca acttcaactt ctgctatgac tgcagcatcg ctgaaccttg 2340
acagtgtggc tggccatggg ccacagctgc ggccactgca gcagccatga agggcagtgg 2400
gtagaggagt gcaggcaccc tgaccagcag agattgctgc agaaataaag tctgcttggc 2460
tcttgggata tgttgagcca gctctgtaaa aaaaaaaaaa aaaaaaaaaa aaaagtcgta 2520
t 2521

<210> 2027
<211> 2357
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2332)
<223> n equals a,t,g, or c

<400> 2027
tctccctttg ctgcagsytg agatgtgtat aagagacagc tataaaaggt acgcctgcag 60
gtaccggtcc ggaattcccg ggtcgaccca cgcgtccgcc cacgcgtccg cggacgcgtg 120
ggctgtgact gaaatcattt tcccatatga gcagaccctg tgtgtcaggc ctgtttccca 180
tatgagcaga gcctgtgtgc aagtctgttt ctggcatgtc cctcattgag gaagggaagc 240
aaaagctggt tattgccagg cctattaaca cttaatatgc aaattctatc atcctgaaac 300
tggggcatct gaggaaaagg tgaccttgct ggatggcttt atttgcatgg ctctgcctgt 360
ctgcagtggt tgagtcctca tcacctggta tgtgtatgag caaatgtgtg ctgatcgtga 420
tgcccaggca gaaacctctt gaagactgct gcaggcatgc tttaaaaatg accagtcact 480
catcagagaa gctgggtgat ctgactccag agggactgaa gtcagagaag tcacaagagc 540
acctaggatt caaataaata gcgtcagagt cctatagcaa cctccaagta gcaccgtctt 600
acttggctct tgtgagcaaa gactgcagta ccttaaatta aggcctctct ttaaaacata 660
tgtggaagac taggggatcc ttggccacct ggtctcagag aaatcatatg agagtaacag 720
gcatttcctt attgtatttg tactacactc ttcctacttt tccattcctg aacaccctct 780
aattaccact gttttgggga tgctttttt ctgaaagaac ggggagtaca ggggccaaaa 840
gggaggtgct tctattacag ggcaagttag atcagataag aagatctagc agtgatttaa 900
actccaggaa tatgaagagt gcattctggt gtccagacag ttgtgaaggg ctcggcaaat 960
ataagagcac cattggctac atggagagca aaggctgtct ttgaagaccc cagggaggtc 1020

ttcacttttg cctaaattca gatttgccgt gaaaattcca aagagagcag atatttggat 1080
ttgccctcct ttgggcatct acctgactgt tgtgtgtgtg ggaaagtcag tgtgtatgtg 1140
tagagtgtgc ttaggagtga gtgagtggtc aggcctcctg gctaggtgtg ttgtccatag 1200
ttttgttgtt gttgttgttg ttgttcagag ttttgaatct tacgttttct agagctgctc 1260
atgttttccc ttccttttg tcgttgtagt atttgacagt tgtcttttcc atcaaaaaca 1320
tactggccct aggctggtta gagcaagggg ttatgcctgt taggcagcat cttacgccca 1380
gtgttctccc agatattctg cctaacaggt ttaagtagga gattaaatag tcagtttatc 1440
taaaccctct atttttccaa actagcttga gaggtctttt catctatttt tactccatgg 1500
gcctctgata tgctgagatg tgrcacggtt atgattatgg tatcaccgtt acagaggcaa 1560
agggataaag gtctaccagg gccaacgtaa ccagaatgtg aggagagtga agagtcggtc 1620
tccgctttgc acagtaccag aatgtgaggt tgccactgga gagtggagag tcggtctcca 1680
ctttgcacag ttggagctgt tctcctctaa ctcctttgct gggttttctg tttgaaattg 1740
gcccctactc ctctccagcc ctttactggg ttttctgttt gaaattggcc cctactcctc 1800
tccagccctt tattgggttt tctgtttgaa attggcccct actcctctcc agtgtctgct 1860
ttttgaatcc ttctgttcgt gtgtgtgtgt gtgtgtgtgt gtgttcccta tgatactggc 1920
agtggcaata attttccacc cagagagaag cttgtggtcc acaatgctcg aagaatgaat 1980
ttccaagtat ttgccagtgg aaacggagca gaggctatga caagagtgat ttagtgttgc 2040
actttcagag caattatcta ctgcagtaat aaattgaaaa tatcagcaag aaaaaaaaaa 2100
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggcggccg 2160
ctctagagga tcgctcgagg ggcccaagct tacgcgtgca tgcgacgtca tagctctctc 2220
cctatagtga gtcgtattat aagctaggca ctggccgtcg ttttacaacg tcgtgactgg 2280
gagatctgct agcttgggat ctttgtgaag gaaccttact tctgtggctg tntcttatac 2340
acatctcaac ctgcagg 2357

<210> 2028
<211> 1783
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (1576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1692)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1694)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1733)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1747)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1772)
<223> n equals a,t,g, or c

<400> 2028
ggtctctggg caaaacttcc ctgcttnatc ttttctttct gtagatcaaa ggttggcaaa 60
ctttttttgt tttgggccag ttaataaata tttnngnttg tggggcttca tacagactct 120
gttgcaacga cttaactctg cagttctaat gcaaaagagc catacaaaaa caatagttgt 180
gtctgtgttc caatgaatct gtacttataa aaaagggcag ggaatggatt tggcccatgg 240
accatagttt tcccatgtca gctctagact tctgcagatg gctccaatta catgtattcc 300
atcacagcag actccaggtg gcgctgtcag tcctcaagtt cacatcacct agtaaattta 360
gtacttgtaa ctaactagct ctcttccaat tccagattcc tagggaaagg acttcagttg 420
tgtcaggtgt cactatccaa ctgtgttgcc ttaagggcgg aaatgtgtgg ctagcagccc 480
tctcagcagg ggctgtgggt agtctctcct gagaagaagg agcaaagggt atgggtgatg 540
ggcaactctt aaagaaaaaa ggtatgggga tgggctgggt atgtgcccca gggttcccca 600
tagatccagg aagatcacct gtttattctg cttttatttc ttataatctg tatttttta 660
tgttgaggaa cttattttta acaattaatt tgagtatgaa ctctaataaa aagctgactg 720
taatgcatag tttaaagttt aaaccttgcc gagcaataac aatctctaga tgtctgttgt 780
ttcactctaa tacttactgt ggaattacac ctgagttgtt ttccttcttt tttatgagcc 840
taggagatca gccataacct aggagtttgc tacatatacc tgaagcagtt caacaaggca 900
caagaccagt tgcacaatgc cctgaatctt aataggcacg atctgactta tataatgctg 960
gggaagatcc acttgctgga gggagacttg gacaaggcca ttgaagtcta caagaaagca 1020
gtggagttct caccagaaaa tacagagctt cttacaactt taggattact ctacttacag 1080
ctcggcattt accagaaggc atttgaacat cttggcaatg cactgactta tgaccctacc 1140
aactacaagg ccatcttggc agcaggcagc atgatgcaga cccacgggga ctttgatgtt 1200
gccctcacca aatacagagt tgtggcttgt gctgttccag aaagtcctcc actctggaat 1260
aacattggaa tgtgtttctt tggcaagaag aaatatgtgg cggccatcag ctgcctgaaa 1320

cgagccaact acttggcacc cttcgattgg aagattctgt ataatttggg ccttgtccat 1380
ttgaccatgc agcagtatgc atcagctttt cattttctca gtgcggccat caacttccag 1440
ccaaagatgg gggagctcta catgctcttg gcagtggctc tgaccaatct ggaagataca 1500
gaaaatgcca agagagccta cgcagaagca gtccacctgg ataagtatgc actttgttga 1560
gaatggtact ggcggnggtt ggactcttca aagccatgag gtggtgccat acatagcatt 1620
ggtgctggct gtgtcagccc agctggtcct ctatggcatt agtacatagc agacctcagt 1680
gtggagggat gngnctccta agtatgtggt ggcttagcag gaaattgaca ctntgagaaa 1740
atggttncag gcctaaactg agtaatcagg angctagaga atg 1783

<210> 2029
<211> 4331
<212> DNA
<213> Homo sapiens

<400> 2029
ttacgccaag ctcggaaatt aaccctcact aaagggaaca aaagctggag ctccaccgcg 60
gtggcggccg ctctagaact agtggatccc ccgggctgca ggaattcggc acgagcaacg 120
atgccgcaag catggaatct ttatatgatc tctgggagtt ctatctaccc tatttatatt 180
cctgtatatc attgatggga tgtttgttac ttctcttgtg tacaccagtt ggccttttctc 240
gtatgttcac agtgatgggt cacttgctag tgaagccaac aattcttgaa gacctggatg 300
aacaaattta tatcattacc ttagaggaag aagcactcca gagacgacta aatgggctgt 360
cttcatcggt ggaatacaac ataatggagt tggaacaaga acttgaaaat gtaaagactc 420
ttaagacaaa attagagagg cgaaaaaagg cttcagcatg ggaaagaaat ttggtgtatc 480
ccgctgttat ggttctcctt cttattgaga catccatctc ggtcctcttg gtggcttgta 540
atattctttg cctattggtt gatgaaacag caatgccaaa aggaacaagg gggcctggaa 600
taggaaatgc ctctctttct acgtttggtt ttgtgggagc tgcgcttgaa atcattttga 660
ttttctatct tatggtgtcc tctgttgtcg gcttctatag ccttcgattt tttggaaact 720
ttactcccaa gaaagatgac acaactatga caaagatcat tggaaattgt gtgtccatct 780
tggttttgag ctctgctctg cctgtgatgt cgagaacact gggaatcact agatttgatc 840
tacttggcga ctttggaagg tttaattggc tgggaaattt ctatattgta ttatcctaca 900
atttgctttt tgctattgtg acaacattgt gtctggtccg aaaattcacc tctgcagttc 960
gagaagaact tttcaaggcc ctagggcttc ataaacttca cttaccaaat acttcaaggg 1020
attcagaaac agccaagcct tctgtaaatg ggcatcagaa agcactgtga gacgcacaga 1080
cggcgtcttc tgccaccaag agacccgaga actccagatt cacgacattc ctgtcccatg 1140
tagaagcatt tccattcaac cgtggcccct cttcagaacc tagacctatc agtgccattt 1200
ttttttcata atctacgaag aacttggcta tggctgatct tttttaaatt taacttttctg 1260
atggaccctg tagtttccag ttaagtgcag attccttaca gacatataga acaagcgcat 1320
tcttctgtag acatttgctc atgttggtaa atacaatcac ccatatgaaa aaattgtttt 1380
cacctgatat ggaaaatgtt agaaaaggca aactccggga cttctaaaga tttacttaaa 1440
tcccattatg tactctattc agaatgtaga agctgacttg aaaggcatcc ttggtactaa 1500
gtgaagctta ttcagaaaat gcatttttca aatgcaatgg caactgcttg tagatatcat 1560
ttttgcagtg tatgttggag ctgtaatggt tgcaattatg tttcttattt ccttaaaagc 1620
aaaaagcgta gtttctgatt tatgttatag aatgatactg attagacttt gagccaaggg 1680
gaaaatacta aattctttta aacctggagc cttagagagc cacaggaata tcttctgttg 1740
tacagtctaa taagctgtgg taggaagtat catgtaatca cagtttaatg acagtttatg 1800
tatatatata attcagtatt ccctcgaggg ggggcccggt acccaattcg ccctatagtg 1860
agtcgtatta ttaccttata ggctatatgt atactcagtt ttttaaagca tttttttcag 1920
agatcactta attccccatg cttctgcaat gcccataaaa actataaatg ccgaatggta 1980
gaaactcctc tttccgctta gaggtcccgc gaggggccca attgcgtatg cgacgtcata 2040
gctcctgctt atagtagtct attataagca agttcacagc atcagcattc catgggtggt 2100
taagaacagt tttggcaagt tattaacacc gaatctgaat aatccattca gttatttaaa 2160

gttggtaaat taattaattg gggatggttt cttggcttta agtccactga ataaaaacta 2220
tgaaattgca ctctgtgtca accatccact aaggatagaa ataccgaaat ctgtgcatgc 2280
aaaaatagga gatgggccca tttgcacaca attcgtagtt atgcagtctg ctatataaat 2340
atgttcacat gcactgtgtg tatgaaaata gatggtctgt gttcagacaa aagtaaaaca 2400
ttttttttcaa attgttacat ttaaaggttt tctgggagaa atttatgaaa cgcaggctgt 2460
gtctatttga catcagaaat ttccacttta aaccaaaata ataagaaact ttaatctgta 2520
tatttacaac ctttgttgag tacacttccc ccttatttat acgtctgcat ttccttccga 2580
gcttcacatc tttacttaaa atgcagcttg gttttaaaat taaaaggaac attcattttg 2640
tggattctaa acaagcttca gtaaatacca ccagtatagt actggtgaat ttctcagcat 2700
aaaatcgaca tacctaaaaa gttaataaaa ttcagctctt ttccaatttc attgttatgc 2760
ctattgaagt attaattgcc aggtttgatt tttagtgaag ctttggagtcc atactttgag 2820
cagaccaagt gaaagggaag aacagaaaga aactcaggag tagagtaata tcacttctca 2880
cttacaccac ttttcaggca catccaaaga gttcctagat acttggaaaa tgtctgaaaa 2940
tttttaagta aaatactaaa cttttcagtg tttagctcaa ctttttgttc atttggaagt 3000
ttctctccat ccgaggactt aagccagttt tggatttgta agccctgagt acaatacact 3060
tcctggaggc atcctcactg ctgttgaagc aaaggatatg catggggtgg aaggacggct 3120
tcgaacctgg gactcatatg ccttgagaac aaatagattg ttacagcctt gggctgctgc 3180
gtaatcacgg ttcctcgagg gggggctcct gtacccaatt cgccctatag tgagtccgta 3240
tacactgact ccaaatgcag gtgcttccat tggagctagg tcggaggctg ctttatatga 3300
cgaactccag aaatggatgc cagaatacgg aggccaaacg ttctgagtcc tggtaaggac 3360
agtcgctctg ggggtcctca ttttactgca gttcctgcac gccagtgaaa gagaggagat 3420
agaccctgga aggcagagct gcagatgctc atcatcaggt caattctgga gctacagttt 3480
tgtttctgac tggataggga tgcaccagtg actgtcacat caagcagtcc ttttattctc 3540
tctcctttag tatcgatttt aaagggcatt aggcactatg gttccagagt ttcttgggga 3600
aaacttgtca gattcttatt aattggttct gcaatactta aataaattat tttacaatta 3660
tgaagttttc agattataac atttgtatta atttttactg attttccaag atacttctta 3720
gatttactat ttacgtagct ttatgtacat tctctgtaaa aatagacctc taaatatgag 3780
gctttacatg aaatttgtac acacatacac actaatgtta gctccttaaa ttgctgcact 3840
aaggtgctgg ttagtagaga tggacggagc ctctcgcgtt ttgctctcag atgtgttaaa 3900
ggcgcacgtg tacctgctct cagcggcagt gcggcctccc catctgctgg gtgcccatgg 3960
ccctccctgc agcctcagtg attgacctcg tctggccagg ggacacaggt tttcatccat 4020
ttacaggctc ttatgtgcta gttttgttgg tagcacgttt atttaatgca taaaaggcag 4080
aattcttaca agtttttttt tttaatgtga acatagatgc agcaccgact ttttaaactt 4140
gaaaaaactg gtataatgtt aacttttaaa aataacattt ggacacacta gtaattgatt 4200
tttgtttaca gattgttttg tttacaaatt gttagtcttt gtttctatga gatactttta 4260
gtgtgacttt ttaaatgtct tagaaattaa aagttgtaca aaaagtgaaa aaaaaaaaaa 4320
aaaaaaaaat t 4331

<210> 2030
<211> 1234
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1058)
<223> n equals a,t,g, or c

<400> 2030
cgccggccgc gcccacgtga ycggtccggg tgcaaacacg cgggtcagct gatccggccc 60
aactgcggcg tcatcccggc tataagcgca cggcctcggc gaccctctcc gacccggccg 120

ccgccgccat gcagccctcc agccttctgc cgctcgccct ctgcctgctg gctgcacccg 180
cctccgcgct cgtcaggatc ccgctgcaca agttcacgtc catccgccgg accatgtcgg 240
aggttggggg ctctgtggag gacctgattg ccaaaggccc cgtctcaaag tactcccagg 300
cggtgccagc cgtgaccgag gggcccattc ccgaggtgct caagaactac atggacgccc 360
agtactacgg ggagattggc atcgggacgc ccccccagtg cttcacagtc gtcttcgaca 420
cgggctcctc caacctgtgg gtcccctcca tccactgcaa actgctggac atcgcttgct 480
ggatccacca caagtacaac agcgacaagt ccagcaccta cgtgaagaat ggtacctcgt 540
ttgacatcca ctatggctcg ggcagcctct ccgggtacct gagccaggac actgtgtcgg 600
tgccctgcca gtcagcgtcg tcagcctctg ccctgggcgg tgtcaaagtg gagaggcagg 660
tctttgggga ggccaccaag cagccaggca tcaccttcat cgcagccaag ttcgatggca 720
tcctgggcat ggcctacccc cgcatctccg tcaacaacgt gctgcccgtc ttcgacaacc 780
tgatgcagca gaagctggtg gaccagaaca tcttctcctt ctacctgagc agggacccag 840
atgcgcagcc tgggggtgag ctgatgctgg gtggcacaga ctccaagtat tacaagggtt 900
ctctgtccta cctgaatgtc acccgcaagg cctactggca ggtccacctg gaccaggtgg 960
aggtggccag cgggctgacc ctgtgcaagg agggctgtga ggccattgtg gacacaggca 1020
cttccctcat ggtgggcccg gtggatgagg tgcgcganct gcagaaggcc atcggggccg 1080
tgccgctgat tcagggcgag tacatgatcc cctgtgagaa ggtgtccacc ctgcccgcga 1140
tcacactgaa gctgggaggc aaaggctaca agctgtcccc agaggactac acgctcaagg 1200
tgtcgcaggc cgggaagacc ytctgcctga gcgg 1234

<210> 2031
<211> 1089
<212> DNA
<213> Homo sapiens

<400> 2031
ccacgcgtcc gataagcacc catgtctttg aatatgaatg tatttgtaaa ataccacgtt 60
tcatgtgtga atatgtgctt ttactgtaca tagtgctatt gtgcaatagg tcttatgctg 120
ttttcactca atgtgtgcta agatctagcc ccattgactc ttctagaaat gcagtattgc 180
tttgacctgc catgtggcac tccacaatgt caattgcagt ttacacacat tgcctaaagt 240
gggggacacc tgggtgcccc tgacccctg gcaccggata caggccacga taaacatcct 300
ttcgtgtgtt cccttctgtg cttgtgtggc atgtgtaccc aggatgggcc tataggtcac 360
agaggtcagt ttctctttgg ttttccagat tttctttaga acggtgactg acctcctac 420
ttgaggccgc cctttctccc ttatccttgc cagcacttgt attgccagac tacctaattt 480
ttgccagtct catgggtaga tagtggtgca gtgctttaac atacattcat ctgatcagca 540
ttaatttggg gaatttttc acttagcctt tctggtttcc cttcctgtgc attgcccatt 600
ttctcatgga gtttcttatc ttttttggtt tattctcagg agttgcttgt acattcttgg 660
gcaattgcag ataattccaa gaatgcatat ttgggctggg tatggaggtt cactggtaat 720
cccagcactt tgggaggccc aggcagaagg atcgctgcag cccaggagtt cgagactagc 780
ctgggcaaca tagcgagacc tcgtctctac aaaaaaaaat taaaaagggg gctttgggag 840
gccaaggcgg gcagatcatg agggcaggag attgagaccc tcctggccaa catggtgaaa 900
ccccgtctct actaaaatac aaaaaattag ctgggcatgg tggcgcacac ctgtagtccc 960
agctactctg gaggctgagg caggggaatc gcttaaaccc aggaggcgga gattgcagtg 1020
agccaaggtt ccaccactgc actccagcct ggcgacagag caaggctcca ctcaaaaaaa 1080
aaaaaaaaa 1089

<210> 2032
<211> 983
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (899)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (920)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (923)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (928)
<223> n equals a,t,g, or c

<400> 2032
cgggtcgacc cacgcgtccg cagtgtggaa gaaaagttaa atattaaatt tgaactcaac 60
tgaacatgga cacaaacaat ggtcaccaag tccctgaaca ggttgtgtga gccccttgag 120
gcgttcatcc agcactgttt cggaggaatc tctatttcaa tctattccta tacattagtt 180
attgaaaaac aacacacaat cgcaaaaaca agttgacctt tttgtgttcc ttgagaccga 240
taatgaaggg ccctcgtgac cggacctcat gccaaacaac tcgttacaaa aagagctagg 300
gtcccagctg cgctgaagct tcntgagacc tctcctcatc tgtgcatgga tgagtggccg 360
actytggagc ccaggctgtt rcttcctrgt ctggtggtga atcctccata gtctgagagt 420
aagatccttg atactggctc agcatggaac atctggcaca cagtatgcac tgaggaaata 480
cttgttggaa taatcagtga atcatagatg aaaacttaac cttggaatta attatgagac 540
tgctcagagg aagagaatgg gagacaaagg acctggtgat tagacccccа agacactggg 600
ctgtctgctt gtgtctcggg tggaacaggc ccagcgagag tctttagggc cagaactcaa 660
gaatttattg agcccttgtt ctaggcactt gggattcacc agtatacaat ggagacaaaa 720
atccctgccc tggagcagct tacattctag catggcaaac aggcagtaaa cagcccattc 780
tggctgctgt attgagaaga gaatgtggtg gacagatata gaagcatgga aacctgatag 840
grctattgca atcactcaga aaagaggcga tggcagcttg gacctgttgg aagcagtana 900
gtgccctact cttcagcttn canggganga gaaaggacct gaaaggttaa ttttgatcac 960
caatgggcca atgatgtaat cag 983

<210> 2033
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (637)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (675)
<223> n equals a,t,g, or c

<400> 2033
cgggtcgacc cacgcgtccg cccacgcgts cgsccacgcg tccgcggcgc gcggagacgc 60
agcagcggca gcggcagcat gtcggccggc ggagcgtcag tcccgccgcc cccgaacccc 120
gccgtgtcct tcccgccgcc ccgggtcacc ctgcccgccg gcccgacat cctgcggacc 180
tactcgggcg ccttcgtctg cctggagatt ctgttcgggg gtcttgtctg gattttggtt 240
gcctcctcca atgttcctct acctctacta caaggatggg tcatgtttgt gtccgtgaca 300
gcgtttttct tttcgctcct ctttctgggc atgttcctct ctggcatggt ggctcaaatt 360
gatgctaact ggaacttcct ggattttgcc taccatttta cagtatttgt cttctatttt 420
ggagcctttt tattggaagc agcagccaca tccctgcatg atttgcattg caatacaacc 480
ataaccgggc agccactcct gagtgataac cagtataaca taadcgtagc agyctcaatt 540
tttgccttta tgacgacagc ttgttatggt tgcaagtttg ggtctggctt tacgaagatg 600
gcgacccgta acacttctta agaaaactgg cagtcgnatg ttaggtttca ctttgctact 660
ttatatggtc tggancaaat tttggaataa cccaattttt ggtccaagaa tgccaaaaaa 720
ca 722

<210> 2034
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<400> 2034
gctggcgcgg cggacgggat gaggcgctgc agtctctacg ctttcggtaa cttccgggcc 60
ctggcgtmtc gtctccttac cctggggcta cccttgcccg gtcctactgc ccgcggttaa 120

cccgccgcga gccgcctctc ccctccccgc ccgactcaac cctgccctcc cccgtgcttt 180
gcagacgccg yccgggggcc caggcggctg atgcgtgtgg gcctcgcgct gatcttggtg 240
ggccacgtga acctgctgct gggggccgtg ctgcatggca ccgtcctgcg gcacgtggcc 300
aatccccgcg gcgctgtcac gccggagtac accgtagcca atgtcatctc tgtcggntcg 360
gggctgctga gcgtttccgt gggacttgtg gccctcctgg cgtcaggaac cttcttcgcc 420
ctccactgac tgggtcctgc tggcactagc tctggtgaac ctgctcttgt cgttgcctgc 480
tccctgggcc tncttcttgc tgtgtcactc actggggcca acggtggncc gcggcttatt 540
gntgactggc accca 555

<210> 2035
<211> 1084
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 2035
gccatccctg gctgtggcca aaatcatcat cattgaattc aaccccatgt accccaaana 60
caatgacatc gccctcatga agctgcagtt cccactcact ttctcaggca cagtcaggcc 120
catctgtctg cccttctttg atgaggagct cactccagcc accccactct ggatcattgg 180
atggggcttt acgaagcaga atggagggaa gatgtctgac atactgctgc aggcgtcagt 240
ccaggtcatt gacagcacac ggtgcaatgc agacgatgcg taccaggggg aagtcaccga 300
gaagatgatg tgtgcaggca tcccggaagg gggtgtggac acctgccagg gtgacagtgg 360
tgggcccctg atgtaccaat ctgaccagtg gcatgtggtg ggcatcgtta gctggggcta 420
tggctgcggg ggcccgagca ccccaggagt atacaccaag gtctcagcct atctcaactg 480
gatctacaat gtctggaagg ctgagctgta atgctgctgc ccctttgcag tgctgggagc 540
cgcttccttc ctgccctgcc cacctgggga tcccccaaag tcagacacag agcaagagtc 600
cccttgggta cacccctctg cccacagcct cagcatttct tggagcagca aagggcctca 660
attcctrtaa gagaccctcg cagcccagag gcgcccagag gaagtcagca gccctagctc 720
ggccacactt ggtgctccca gcatcccagg gagagacaca gcccactgaa caaggtctca 780
ggggtattgc taagccaaga aggaactttc ccacactact gaatggaagc aggctgtctt 840
gtaaaagccc agatcactgt gggctggaga ggagaaggaa agggtctgcg ccagccctgt 900
ccgtcttcac ccatccccaa gcctactaga gcaagaaacc agttgtaata taaaatgcac 960
tgccctactg ttggtatgac taccgttacc tactgttgtc attgttatta cagctatggc 1020
cactattatt aaagagctgt gtaacatmaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaa 1084

<210> 2036
<211> 345
<212> DNA
<213> Homo sapiens

<400> 2036
aaacattaca atattctcaa aaaaatccat atccatcacc attgcatatg cagtattact 60
ggttgttttg atgtaaatta cgtttaaagg tttattttaa aaagtgtgca tattcaacat 120
aaagaaagaa aaaatctaac gaatttaaag tctgctgtaa tcctagcaca cgtgaacaca 180
atattaatat cttggtttat ttatttttctg atgttcgtga gcatatatat atatatatat 240
atatatatat atatatatat atatatatat atatatatat atatatatat atatatataw 300

atcccctcta gcaaatggcc tgtaatagct tgtaagcatt ttttc 345

<210> 2037
<211> 1214
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1214)
<223> n equals a,t,g, or c

<400> 2037
tggacgcgtg ggtcgaccca cgcgtccggt caaaaytaac cccctaataa aattaattaa 60
ccactcattc atcgacctcc ccaccccatc caacatctcc gcatgatgaa acttcggctc 120
actccttggc gcctgcctga tcctccaaat caccacagga ctattcctag ccatgcacta 180
ctcaccagac gcctcaaccg ccttttcatc aatcgcccac atcactcgag acgtaaatta 240
tggctgaatc atccgctacc ttcacgccaa tggcgcctca atatttctta tctgcctctt 300
cctacacatc gggcgaggcc tatattacgg atcatttctc tactcagaaa cctgaaacat 360
cggcattatc ctcctgcttg caactatagc aacagccttc ataggctatg tcctcccgtg 420
aggccaaata tcattctgag gggccacagt aattacaaac ttactatccg scatcccata 480
cattgggaca gacctagttc aatgaatctg aggaggctac tcagtagaca gtcccaccct 540
cacacgattc tttacctttc acttcatctt gcccttcatt attgcagccc tagcagcact 600
ccacctccta ttcttgcacg aaacgggatc aaacaacccc ctaggaatca cctcccattc 660
cgataaaatc accttccacc cttactacac aatcaaagac gccctcggct tacttctctt 720
ccttctctcc ttaatgacat taacactatt ctcaccagac ctcctaggcg acccagacaa 780
ttatacccta gccaaccccc taaacacccc tccccacatc aagcccgaat gatatttcct 840
attcgcctac acaattctcc gatccgtccc taacaaacta ggaggcgtcc ttgccctatt 900
actatccatc ctcatcctag caataatccc catcctccat atatccaaac aacaaagcat 960
aatatttcgc ccactaagcc aatcacttta ttgactccta gccgcagacc tcctcattct 1020
aacctgaatc ggaggacaac cagtaagcta ccctttttacc atcattggac aagtagcatc 1080
cgtactatac ttcacaacaa tcctaatcct aataccaact atctccctaa ttggaaaaca 1140
aaatactcaa atgggcctaa aaaaaaaaaa aaaaaacycg gggggggccc gggtwcccaa 1200
tttcccccct aggn 1214

<210> 2038
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 2038
aataatatat ccctgtcgtt ttgtttttttc tttttaagac ttgggccggg tgtggtggct 60
cacgcgttta atcccaaagt gctgagatta cgcccggcct aaatattact ttcaaataga 120
accatcttca tgggtagcag tttataatac acaagtagaa tttgggaaat gtagtcccag 180
tcttccattc ttcacagtgg atgcttcagc cagtttcctg tctctgcaca cacactgccc 240
gacagcgggc tttcccttct ccttcagagc agtagcagtt ccctttcttc attcccaccc 300

atcacagtgg cagccccctc tgccctcctg tattctgaat cccaccctta taatatgctt 360
agattttgcc tttctcccag ccgttttgtg agcattgttc gtgtgtacca atttttctc 420
atcctttaaa aaaaaaaaaa aaaaactngg gggggg 456

<210> 2039
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<400> 2039
gggtcgaccc acgcgtccga aaaactgtnn gggagcttga caaaggcatg caggagagac 60
aggagcagcc acagccagga gggagagcct tccccaagca aacaatccag agcagctgtg 120
caaacaacgg tgcataaatg aggcctcctg gaccatgaag cgagtcctga gctgcgtccc 180
ggagcccacg gtggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 240
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 300
agccaaggac agggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 360
gggctgctgc tttgactcca ggatccctgg agtgccttgg tgtttcaagc ccctgcagga 420
agcagaatgc accttctgag gcacctccag ctgccccggc cgggggatgc gargctcgga 480
gcacccttgc ccggtgtgat tgctgcaggc actgttcatc tcacttttg tccttgktcc 540
ggaagcgctt ttgctgaagt catattggac ctgatgntta acaataangt ccat 594

<210> 2040
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<400> 2040
gcttntacgc ctgcagcnac cggtccggaa ttcccgggtc gacccacgcg tcggcgtccc 60
ggagcccacg gtggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 120
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 180
agccaaggac agggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 240
gggctgctgc tttgactcca ggatccctgg agtgccttgg tgtttcaagc ccctgcagga 300
agcagaatgc accttctgag gcacctccag ctgccccccgg ccgggggatg cgaggctcgg 360
agcacccttg cccggctgtg attgctgcca ggcactgttc atctcagctt ttctgtccct 420
ttgctcccgg caagcgcttc tgctgaaagt tcatatctgg agcctgatgt cttaacgaat 480
aaaggtccca tgctccaccc gaggacagtt cttcgtgcct gagactttct gaggttgtgc 540
tttatttctg ctgcgtcgtg ggasanggcg gkagggtgtc aggggagagt ctgccaggcc 600
tyaagggcag gaaaagactc cctaaggagc tgcagtgcat gcaaggatat ttt 653

<210> 2041
<211> 1916
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1766)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1883)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1911)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1912)
<223> n equals a,t,g, or c

<400> 2041
tcccaagaca ggattatgaa tactccacca gctgttgtgt cagtatatga ctgctgctgc 60
tcctatgcaa gggaacctac attcctcagt acacgcctgt scctccgaca gctgtttcta 120

ttgarggtgt tgttgctgat acctctcccc agacagtggc accttcatcc caggacacca 180
gtggtcagca gcaacagata gcagtggaca catccaacga acatgcacct gcatattctt 240
accaacagtc taaaccataa acaggactga agaatgtytg tytgaatctt tgccttgaat 300
gaagaaactt cattgaacaa gaagttggct tccagtttgc acagacgtca atggaatgca 360
ttttttgkt gktgktgktg ttttttttt agtgktatac cttacccaat gaaagcaaag 420
tttttatgtg ctgtgcaaat ggtcttcatg tggtctgaca atttatttt gccatcattt 480
ttttaattaa agaaaaaatt tccagaagag gaaaaaaaaa ctacaaaaaa caaaacattg 540
aaggttgata ttttatgtgg aagaacattt gaattgaatt cagaattttt ctgaaggtgt 600
agatactttt ttttttttt ttaacagaaa acctgatgtc aagaggtggg caatagaaat 660
ggaaacaaat tgtcttcctc aataattaag ctactttctc ttttccctt cttgttttaa 720
tctagtgggt tttttatttt atttttttctt agaaatatgt aggtaaggtt tatcttgaat 780
cttaattgcc ttaattttaa ggacgtcaaa ggctctcgag gcaagctgtc aacgtcttgt 840
tgaaaacaaa aatcaagaaa gaattgaaat actgtgccgg ctttcactgg cacagaagtt 900
taagactatg agtttttagg gtgaagaaaa aactgtacag tttaaaatgaa aatgtttttc 960
ttcatttgaa gaaaatttgt tgataaacca tggcaactgc aagaattgga aaaatgctgg 1020
gacttttcat gaactttgtc ttaagtgttg acatgaatca ttctaaaagg ctaaaacatt 1080
ttacagtaaa gttattaagg ttggtttaaa aacaactgca ttagaaataa tgcgtgtttg 1140
gggggcagaa tgcagatttt tttaatttac aaagcgtgat cgctagcaaa agcattagtg 1200
ctttttatct gcagtctttt ttatgagctt tacaaagttt ttagtcagct ttgcttgtca 1260
cattgcaaaa cctagcttaa gagcattaaa aaaaaaaact taagtagata gkagcttatg 1320
gtcaaaaagt gcaaaaaaaa aaaacaaaaa aaaagcaata gatagagaaa ttgttgacaa 1380
tttctgtagt ctttcctagt tgtgatcaaa ttcagcctat ggatggccta ttttatacca 1440
aagatgaagt grcaccctat trcagtccag aagatagagg ttgttttcca tttcttctct 1500
tttcttttct ttttaagaat tttatttgac ctacatggcc ggaccagttc ttactttgtt 1560
gtttgtttaa actaccttcc actggtgttt tatatactgc aaaacagaac acaacaaaag 1620
gtgttttgtt tttgtttttg ttcctgtttc tgtttttgtt tatttgttaa catgcatttg 1680
ttggttctag tagaaaagct gcacttgctg tgttcagcag tttctgccgg aagagttckg 1740
gataccaact gacaaagcca aatggncttt tattcaatct gtgagctttt ctgggtccta 1800
ctagctctct tgaaggkgac acctgtgtgg gatgggccac tgatatgtgg agaccctggt 1860
ttaacaaggt gaaaattcct ttnccggtgg aacctttgga acctaaaagg nncctt 1916

<210> 2042
<211> 1595
<212> DNA
<213> Homo sapiens

<400> 2042
aaatcttcct acacacatct agackttcaa gtttgcaaat cagtttttag caagaaaaca 60
tttttgctat acaaacattt tgctaagtct gcccaaagcc cccccaatgc attccttcaa 120
caaaatacaa tctctgtact ttaaagttat tttagtcatg aaatttttata tgcagagaga 180
aaaagttacc gagacagaaa acaaatctaa gggaaaggaa tattatggga ttaagctgag 240
caagcaattc tggtggaaag tcaaacctgt cagtgctcca caccagggct gtggtcctcc 300
cagacatgca taggaatggc cacaggttta cactgccttc ccagcaatta taagcacacc 360
agattcaggg agactgacca ccaagggata gtgtaaaagg acattttctc agttgggtcc 420
atcagcagtt tttcttcctg catttattgt tgaaaactat tgtttcattt cttcttttat 480
aggccttatt actgcttaat ccaaatgtgt accattggtg agacacatac aatgctctga 540
atacactacg aatttgtatt aaacacatca gaatatttcc aaatacaaca tagtatagtc 600
ctgaatatgt acttttaaca caagagagac tattcaataa aaactcactg ggtctttcat 660
gtctttaagc taagtaagtg ttcagaaggt tctttttttat attgtcctcc acctccatca 720
ttttcaataa aagatagggc ttttgctccc ttgttcttgg agggaccatt attacatctc 780
tgaactacct ttgtatccaa catgttttaa atccttaaat gaattgcttt ctcccaaaaa 840

aagcacaata taaagaaaca caagatttaa ttatttttct acttgggggg aaaaaaagtc 900
ctcatgtaga agcacccact tttgcaatgt tgttctaagc tatctatcta wctctcagcc 960
catgataaag ttccttaagc tggtgattcc taatcaagga caagccaccc tagtgtctca 1020
tgtttgtatt tggtcccagt tgggtacatt ttaaaatcct gattttggag acttaaaacc 1080
aggttaatgg ctaagaatgg gtaacatgac tcttgttgga ttgttatttt ttgtttgcaa 1140
tggggaattt ataagaagca tcaagtctct ttcttaccaa agtcttgtta ggtggtttat 1200
agttcttttg gctaacaaat cattttggaa ataaagattt tttactacaa aaatgaaatt 1260
tgtttggact tccacttgag acagtaaaga gagtattaga cacccagtaa aaactgccat 1320
ataaagaagt tgtaattgtt tgttgtgtat gtatttttt caatgccaaa ccagctgtga 1380
tccaatttac atccacattt taggtccaac agcaagaagt tcagagagag atttcccaac 1440
cagacattgg gtcactcact ggtcaccttg ccagtgcatt ttattagaag ggaatctgtt 1500
gtagcaaatg ggaataaacc tgggtttcta tagacccaga actgaaaaaa taaacatcgt 1560
gctgttttta atttgaaaaa aaaaaaaaaa aaaat 1595

<210> 2043
<211> 1061
<212> DNA
<213> Homo sapiens

<400> 2043
ggccgggcac cggggcggcg ggttggtcta cgctgtgcgc ggcggacgtc ggaggcagcg 60
gggagcggag cggggccgcc ggggcctctc cagggccgca gcggcagcag ttgggccccc 120
cgccccggcc ggcggaccga agaacgcagg aaggggggccg gggggacccg cccccggccg 180
gccgcagcca tgaactccaa cgtggagaac ctacccccgc acatcatccg cctggtgtac 240
aaggaggtga cgacactgac cgcagaccca cccgatggca tcaaggtctt tcccaacgag 300
gaggacctca ccgacctcca ggtcaccatc gagggccctg aggggacccc atatgctgga 360
ggtctgttcc gcatgaaact cctgctgggg aaggacttcc ctgcctcccc acccaagggc 420
tacttcctga ccaagatctt ccacccgaac gtgggcgcca atggcgagat ctgcgtcaac 480
gtgctcaaga gggactggac ggctgagctg ggcatccgac acgtactgct gaccatcaag 540
tgcctgctga tccaccctaa ccccgagtct gcactcaacg aggaggcggg ccgcctgctc 600
ttggagaact acgaggagta tgcagctcgg gcccgtctgc tcacagagat ccacgggggc 660
gccggcgggc ccagcggcag ggccgaagcc ggtcgggccc tggccagtgg cactgaagct 720
tcctccaccg accctggggc cccagggggc ccgggagggg ctgagggtcc catggccaag 780
aagcatgctg gcgagcgcga taagaagctg gcggccaaga aaaagacgga caagaagsgg 840
gcgctgcggc ggctgtagtg ggctctcttc ctccttccac cgtgatcccca acctctcctg 900
tcccctccct ccaactctgt ctctaagtta tttaaattat ggctggggtc ggggagggta 960
caggggcac tgggacctgg atttgttttt ctaaataaag ttggaaaagc aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agtcgtatcg a 1061

<210> 2044
<211> 653
<212> DNA
<213> Homo sapiens

<400> 2044
ggcacgagcg gatgctcaac ctcactgaee ggcaagtcaa aatctggttc cagaatcgca 60
ggatgaaaga aaagaaactg aacagagacc gtctgcagta tttcactgga aacccttat 120
tttgagagct ccaggaagcg ccctcacccc agccccactc acccaccctc cttcccacca 180
gcctgctctc cgcagcccac tgtccttggg tttaatgacg tctcttctct gtggaayttc 240
acgattcctt cccacggtca actcgggacc tcccagcgac cactgcagcc tgcggacgag 300
gccgggactt ggccgagcgg atcctaataa ggggaaaatg gtaaatgcaa acgtcccgtt 360

acaattttac cgccagtgtg ctgtcgttcc ccctccccmt ctccgagtcc tcgtggggac 420
acggcggggt ctgtaggaag ttgggccggg ttgggggttg ctagaaggcg ctggtgtttt 480
gctctgagtt ttaagagatc ccttccttcc tcttcggtga atgcaggtta tttaaacttt 540
gggaaatgta cttttagtct gtcatatcaa ggcatgagtc actgtctttt tttgtgtgaa 600
taaatggttt ctagtaaaat gaaarwaaaa aaaaaaaaaa aaaaaagtcg acc 653

<210> 2045
<211> 356
<212> DNA
<213> Homo sapiens

<400> 2045
cggggcagaa aggcggcaaa ktgttgttaa aaaagcagac atgatcaacr raaatatgac 60
tcatcaggtc caagctgaga gagatgcact ggcactaagc aaaagcccat tcattgkcca 120
tttgtattat tcactgcagt ctgcaaacaa tgtctacttg gtaatggaat atcttattgg 180
gggagatgtc aagtctctcc tacatatata tggttatttt gatgaagaga tggctgtgaa 240
atatatttct gaagtagcac tggctctaga ctaccttcac agacatggaa tcatccacag 300
ggacttgaaa ccggacaata tgcttatttc taatgagggt catattaaac tgacgg 356

<210> 2046
<211> 1439
<212> DNA
<213> Homo sapiens

<400> 2046
tcccagctgg ccctgcccct ctaccctccc tgcctgagca cttacctcct tagatggagg 60
ccgagacccc aagtactgag gtgccacctg acccagagcc tggtgtaccc ctgacacccc 120
catcccaaca ccaggaggcc ggtgctgggg acctgtgtgc actttgtggg gaacacctct 180
atgtcctgga acgcctctgt gtcaacggcc atttcttcca ccggagctgc ttccgctgcc 240
atacctgtga ggccacactg tggccaggtg gctaygagca gcacccagga gatggacatt 300
tctactgcct ccagcacctg ccccagacag accacaaarm ggaaggcagc gatagaggcc 360
ctgagagtcc ggagctcccc acaccaagtg agaatagcat gccaccaggc ctctcaactc 420
ccacagcctc gcaggagggg gccggtcctg ttccagatcc cagccagccc acccgtcggc 480
agatccgcct ctccagcccg gagcgccagc ggttgtcctc ccttaacctt acccctgacc 540
cggaaatgga gcctccaccc aagcctcccc gcagctgctc cgccttggcc cgccacgccc 600
tggagagcag ctttgtgggc tggggcctgc cagtccagag ccctcaagct cttgtggcca 660
tggagaagga ggaaaaagag agtcccttct ccagtgaaga ggaagaagaa gatgtgcctt 720
tggactcaga tgtggaacag gccctgcaga cctttgccaa gacctcaggc accatgaata 780
actacccaac atggcgtcgg actctgctgc gccgtgcgaa ggaggaggag atgaagaggt 840
tctgcaaggc ccagaccatc caacggcgac taaatgagat tgaggctgcc ttgagggagc 900
tagaggccga gggcgtgaag ctggagctgg ccttgaggcg ccagagcagt tccccagaac 960
agcaaaagaa actatgggta ggacagctgc tacagctcgt tgacaagaaa aacagcctgg 1020
tggctgagga ggccgagctc atgatcacgg tgcaggaatt gaatctggag gagaaacagt 1080
ggcagctgga ccaggagcta cgaggctaca tgaaccggga agaaaaccta aagacagctg 1140
ctgatcggca ggctgaggac caggtcctga ggaagctggt ggatttggtc aaccagagag 1200
atgccctcat ccgcttccag gaggagcgca ggctcagcga gctggccttg gggacagggg 1260
cccagggcta gacgagggtg ggccgtctgc tttcgttccc acaaagaaag cacctcaccc 1320
cagcacagtg ccacccctgt tcatctgggc tgcctggcag agagccttgc tgtttacaat 1380
taaaatgttt ctgccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 1439

<210> 2047

<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<400> 2047
cctgcaggta ccggtccgga attcccgggt cgacccacgc gtccggaaga atttaaactw 60
agagaatgat taataaagtg gaaaatatcc aaagagtgta aaataatttg gggagaaagt 120
tgcaaaatgt ggagtttctt tacaacaaat attttcagtc catcagatgt ctacatgttt 180
tatgatctaa aataccagac aatggtctgt gatatcatgg gactaccatt agcccagaaa 240
aggttgcttc tttcatctgc ttgcctaatg accataggct ggtcattact ttctctgaac 300
ttttattttc tcataattct ggttgctata agactcaaga gagaatgcac atgggaaagg 360
attttaaaaa ctgatcaatc tgtaaaatgt catgtattgg aaaagataaa gtaaaattca 420
taccagtatc ctaagtctcc actaaatgat aaaaaccgta cataattatg tctgttgatt 480
cccatagtaa ccatatgaaa cagatattat tcctatctca aatttaggga taaaaaccag 540
taggactgag gacattaagt aaattatcac agctcncsgg gggnnn 586

<210> 2048
<211> 895
<212> DNA
<213> Homo sapiens

<400> 2048
gcctgcaggt accggtccgg aattcccggg tcgacccacg cgtccgcgaa aaatcagttk 60
gcaatataca gtgtgggaac tgtactgtga tcattggcta accaagatgg gtgacagttt 120
atgatttcaa agactcaaag gcggcttgag tcctacaatg tcctactcat aaaaatggaa 180
agcatggcag cctcaggttg ttacagagta ctctactcca aagtaaaagt tattctctga 240
gaaagtgctt actgcctttt ctgttctcta gtttgcttgt ttaaacattt actccacaaa 300
attgctcaaa cttacccatc tttgaatatc tagcctctgg gatgagacag atgatctttc 360
tccgttttca ctttttatag aatacagcta cctacccagg caatatgaag attttatttg 420
tagaacctgc cattttcctt agtgcatttg ctatgacttt gaccggtcca ctgacaacgc 480
aatatgttta tcggagaata tgggaagaaa ctggcaacta cacttttca tctgatagca 540

atatttctga gtgtgaaaaa aacaaaagca gcccaatttt tgcattccag gaggtaagaa 600
attacaatat ccatagtatt taataaaatg ggaatgtata ccgggctttg agtcaaagag 660
gaccgtgaac tcatcatcca ttggtctctc tagggcggcc atcaaagtcc taaatcccaa 720
acctaatggc ctttactggg aactcacctc atttgaagtt tcctgacacc tttcaaatct 780
gcctcttctt cttaaaacac cctcctgctc tgtgacacta gctcttctcc tttctctcgg 840
aaaatttcac cacagtgtca tctcttctgt ggctgtctcc ttgctttgtc ctaaa 895

<210> 2049
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<400> 2049
tttatgatat ggaattcaat acaccccttc agtggtataa agacattcct ggatttcttt 60
aggatagggt cagagttggt ttactatctg gccttcagtt tttaaaaggg gcgattcttt 120
gatatagcan tagcgtcaat ttt 143

<210> 2050
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 2050
gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgktct gcaggaattc 60
atatgatgcc gcccgtcaac tcgacaagct ttacgtgacg gggctatagc tcagctggga 120
gagcgcttgc atggcatgca agaggtcagc ggttcgatcc cgcttagctc caccaaattt 180

tgcacccagc aaacttggta cgtaaacgca tcgtggggct atagctcagc tgggagagcg 240
cttgcatggc atgcaagagg tcagcggttc gatcccgctt agctccacca aatttccaac 300
cctcgctgca aagsgggggt tttttgtctc tgctttttgc cgcttttgta atacagtcta 360
cgtccgggtt agtgccgcct ggtgaaagca tcattggatg aaaaatcggc aacaggctgg 420
ccccctgttt gcttcgcgat gcgaataaac ttattatttg tgtgcctgaa aaccccgatc 480
agtgagagta gtgtactcat gtttgtggag cataacctga taaaaaatat caagatattc 540
acactagcgt ttacgctcac cgtgtmcggg ggnnnn 576

<210> 2051
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<400> 2051
gagctccacc gcggtggcgg ccgctctaga actagtggat cccccggtct gcaggaattc 60
ggcacgagta acaaacctta cctttgttta aggtgctttt tctggctctc tgccattaag 120
atctacattt tccaccctgt ctcctctagg acctgagggt tatctctttg atatgcaaat 180
gccagggaga ttactcacca gaagaagaag aagaaataga gctaattgga aattgagcaa 240
ataaaaaaat cttgtttttt ctcccagaaa cagtgaaaag ctttagccat cctttagata 300
atcttaactt gttccatctg ccagaaacac aatttggatt cagaaattct ttatgaactg 360
tttttgtatt attgtacctg gcacatggct acagttttca aatgaaaact gtgaaatctg 420
cttctgtctg tattttatgt atgtctgtgt atgcatgtat gtgtaatatt tttctacctc 480
tagagactat cctaaaatta acttataaag agctgtattt aattgcctta aagaaaaagc 540
acttatacaa attaagtatt ttttaaacyc ggggggnnnn 580

<210> 2052
<211> 571
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<400> 2052
gcggccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg wtggagaaag 60
ctcccagtga ggaactggtc ttctggagac tctgtgtggc atagagtgat tcaaccacct 120
taagaagacc tctggctttc ctggaacaca gatgtcgaga catctcccat ggatttgtga 180
tcagcgttgc agctctccca gcagccctgg acggtgactc tcctctcttg gaatgcatcc 240
tgaagcagct gaaaaggggt gccccgggcc cagcagggag caaaatctgg tgatattgct 300
tctgaacatc ccacatgtgc cacacacgtg cacccccca cacacacaca tgcacactca 360
catgcacact cacatgcaca ctcacatgca cactcacatg cacactcaca tgcacactca 420
catgcacact cacatgcaca ctcacatgca cacacagcct ggactctgtt ccccttatgc 480
ccctggnacc acactccatc aaagccattg acctttatat ccccntgtgt cttcagtaag 540
aaggtatatc aggccagacc nccgggggg n 571

<210> 2053
<211> 807
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 2053
gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct gcaggatttc 60
ggcacgagct cgtgccgaat tcggcacgag aaaagatatt gtatatgaac ttcaactcta 120
caactcagta aaatgaactg tgatcaggag aataaggaaa tgttcagtgt attacttggt 180
ggttgtaatc aatggaaaca ctaaaaacat aaaatatgca tgcactatgc ttccttaaag 240
taaaattttc ctttaccagg aggagaaaag caaagagtag caattgcaag agccattttg 300
aaggaccccc cagtcatact ctatgatgaa gctacttcat cgttagattc gattactgaa 360
gagactattc ttggtgccat gaaggatgtg gtcaaacaca gaacttctat tttcattgca 420
cacagattgt caacagtggt tgatgcagat gaaatcattg tcttggatca gggtaaggta 480
gccgaacgtg gtacccacca tggtttgctt gctaaccctc atagtatcta ttcagaaatg 540

tggcatacac agagcagccg tgtgcagaac catgataacc ccaaatggga agcaaagaaa 600
gaaaatatat ccaaagagga ggaaagaaag aaactacaag aagaaattgt caatagtgtg 660
aaaggctgtg gaaactgttc gtgctaagtc acataagaca ttttcttttt ttgttgtttt 720
ggactacata tttgcactga agcagaattg ttttattaaa aaaatcatac attcccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaa 807

<210> 2054
<211> 843
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 2054
cccatcctga tccaagtgcc cttattcaag gtgttgctga tattttgncc ttcactgccc 60
actcatartg argcaaatta ycattttctg kgaacacagc tcagattttg gctggaatgg 120
ctatggctta tgcagtggca acttcttgtt gtagtcttwt tgcaaactct gattcttcag 180
caatatcaac gttttaacat gctcacctca gcaaaagtta agacagctgt aaatggactg 240
atctacaaaa aggccttact tttatcaaat gtttctcrac aaaagttttc cactggggaa 300
attattaact tgatgtcagc aactcatgga cttgacagca aacctcaatc tcctctggtc 360
tgccccttct caaatcctaa tggccgtata tctcctttgg caagagctgg gtccagcagt 420
gttagcaggg gtggcagtcc ttgtgtttgt tataccaata aatgctttag ctgcaactaa 480
aataaaaaag ttaaaggtgt ccctggcaac cttgtgtgtc tatttcttac tggatgaagg 540
aaacatttta acagccacta aagtgttcac atcgatgtct ttgtttaata ttttaaggat 600
tcctctgttt gagttaccaa ccgtgatctc agctgtggtc cagacaaaga tatccctggg 660
ccgtttggaa gactttctca acactgagga gcttcttcct caaagtattg aaacgaacta 720
tacaggagat catgctattg ggtttacaga tgcttctttc tcctgggata aaacaggaat 780
gccagttcta aaagaggctc tgtggcttat gkttctcaac aagcctggat tcaaaattgc 840
cgg 843

<210> 2055
<211> 753
<212> DNA
<213> Homo sapiens

<400> 2055
gcctgcaggt accggtccgg aattcccggg tcgacccacg cgtccggcca aatgctatca 60
tgaacgtagg aaacttgatt tttttgtttt gatcatggcc tctacatgca cctttccaga 120
gtggtctctt ctcaggccct ttttagtccc tttccaaagc tgcccccacc accctgctcc 180
tctggcctca gtgcacagtg gcccccagcc tcggccaggc ctgctctgct cagcgcccac 240
cgcccaccac ccctcctgct tccccgagcc tgaccctgtt ccgcccactg gcaatcaggg 300
ctgcgcactt ccctgtccac ggtccccagg ccttcctgtc ttgtcccttt tgatcattat 360
taactcaggg tttcagctcc aacctcgctg agttggtgca gctccaggtc attcctgggg 420
tgggaatcgg atcatccctg actcagcttw taccttaatt ttatttgcag aggattcttt 480
tctcaaaatg ctctggcatt tggacacaca tcacatgtcg atatttgcat aggagtcatt 540
ttcagtggaa taacattttt aatgtgtggt tttacggttc aaggaactac ttgatgattt 600
tgaggaaaca cttgccagaa actaaattaa cgaataaaag atttcagtgc ccgaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 753

<210> 2056
<211> 4016
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 2056
cngacactat ntaaggtacg cctgcaggtg accggtaccg gaattcccgg gtacgaccca 60
cgcgtccgtt tctgaagcaa tgttaatcct actagccaag catatcactt agtccccact 120
gtgagatgag ggatatgtgc ttaaattgtg aaacaaatat atgagtcagg tatttttcct 180
ttgagtccaa gtggtttatg actttctttc ctgtgttctt tgtatatgtg ggagttttat 240
aatttttat caagaatgaa aggttggcct gtgttcttac tggtgcaggc tgtcacattt 300
ctctctgttg cccagtcagg tgctatggca tgtgctgctt ctggcgtagt gtactctgtg 360
gatgtaccag catgttcttc aaggtcatga ctgattttcc agacctttgg aattgagata 420
aatgttaaat ttgtagctat ctctgaattt cttccagata cttttcttca tttgtttgtt 480
tgtagggtaa acatacctga tagcagcaat ttaagcatac ccttagaatg accatgtatg 540
gccagtgcac ctgaatgtgt gttccaaggt agggaatcca ggaatggcca actcggagat 600
tcattcctta ctatgataaa tatctgagcc ccctgctcat cctgtggaac atgggcttat 660
tggggattaa ggccctgagt tttaggttaa atgaaggtta ccagatggag gtcattaggg 720
ggagggtgtt aaatgaaaat gctttataaa ctgcatgctg tttgcaagca gttgcagttt 780
tcctgcccag cccgcagcca ctggccatgc agtcatgttg tccagcctgc cgccactgga 840
ccatttctgt acataaggca gttctcctgt ccgcctgcca ccagttctcc actctctccc 900
catatgtaag cccctagtaa accccatgtc tcatttgctg cctctgggtc ttttcttcag 960
cctcttgaac ctagtgcctt ccctgctgag gttaataggg gtacagcaca acagtgttgt 1020
aacacagaaa gtgatattta cagggatatc tctctcacaa tatctcttag gaaaggtaaa 1080
taaaatgttc acaacttgta ggtgagtaat tccttagata agttgtttct taacttggga 1140
ggagtttggg aaggaaccta agcaggctgc agaggctggg catgggagct tgtcatggct 1200
ggaagttgaa atggtcaact ccaggcagat ctcctggggc aaagcagcct ccaccaccag 1260
tagcccttcc tttctgttgc tttcatagcc ccactgctcc atctgaagcc tgaacccctt 1320
ccagaaaatt gatggataga ttttttttttt cggctatata tagttttaga ggttagaact 1380
agatataatt tcaagtctag aagatttctc cttccccaga aatgattggt ttttgtgcag 1440
aggccccgtc aaaatagtac cgggagactt agactgagtt cactcatcac taacaattaa 1500
ctttataaac attcaacaag taggacaact attattactg ttactcagaa cccttcgctc 1560
tgtatataca gtttgattta agatgccaca tttacatggc attttcaacc ttcaaactct 1620
agcagatttt aaaactaggt ggatgaaaat agaatcattc taataaatgt agtgtgtcag 1680
atttgaaaaa tcatttggtg agcaggatct ctgtaaagtt atatgggcca cgtatacaag 1740
acgtaactga agaaaattaa ttcaacagag catgccgtac ttgaacgaca tagagattta 1800
ctcgaactga actaactcaa gctgcagaac tccgagcaag cctggattgt aaagtctggg 1860
tgaaaataga tggagtatgc ctgactgaac ctctgtactg ccccacatgc tatacaggtg 1920
ggggattgga tggctgttag gtgatcattg cattctcttt tggatcccta ttgagaagaa 1980

atgataagag agggaaagga tatggggcaa gaacagtctg aaaaagaaag gataaagttc 2040
tcagactctc ttcacactct aagaagaact ttctgaaaag cttggattag gtctggcaat 2100
ggatataata agcaaaggac tcttggaatg tgttcttggc tcttagcccc acctctgact 2160
ttgagcaaat cagctgattt ctctgcctgt aaaataatag tccctctgat attaatactt 2220
acctcatgag gttatttaga ggatagtgtt ggtaataatg ccttgtgttt acatcattcc 2280
tttcacagag agctcaaagc actttacatg cattgagaga gaagcttctc gtgaagagta 2340
aatagaagtg ttcacttttt ggaaatgaac ttaggccata agagcctgaa tttaatgcat 2400
tgcaggaaga aatatggtac atagtgatcc agtgggtcaa ctgaattttt tgttccacta 2460
agagtcccct cctggctccg tgttttgaaa attaaggaga aataagagtg agtccctaca 2520
cctggatggg aaatcccaca tatgcaattg gaatggtctc tcacgacaca tgcagagatt 2580
gaagaacagt ctggacattt tttgataacg ttctttgggc cttggtagta gctgaaagac 2640
acctgagaaa tcttagctca gagctacaga atgacactaa tggatcccag aaatagaaat 2700
gtagatgtgg agtgttttat ctgtttattt cacctcaatt caaccaatac tccttgagtg 2760
ccttttatat acatgatttt gagtgatgtg gagaattaaa agagcacaac atgctcagga 2820
aagttaaccc tggtattagc aaggaaaaga agtaggattt ccaaatagat aagtgcaccg 2880
ggtatgtgga agttcagaaa agcatcacag tacttcagca catctacttg ggcaatctca 2940
aacatgtatt actcatgtac caagcagtat gctgttcaca gagagatcca atctctgcct 3000
tagggatcct tggggaaaac atgtacaaag agatagtttt agcacattct agtaaaggca 3060
gtgatcaagg gcacctagcc ttacgtggca atttagggaa ggtaccttgg aggatgagac 3120
ttctcctaaa gtcttaagaa ttgaaaagaa catgggaagg gaattccagg ctgggagagt 3180
agtatgttca tacgccctca gtgtttaacc ttctttgaac aaaaaaatgg ccaactacag 3240
aaagtttggt cttattgtag cctaaattgt acttaggggt acgagtgaga aaaagggatt 3300
aagataaagg acctgttttg ctgtcttgtt tactgttgaa tagtagtatg aagtaggtcc 3360
tgaaaaacta tgtttttggg gaaaaaaaaa aaaaaagact gaatgatatg ttgggtttaa 3420
gtccttgcag gcaggctatc caggtaaata aacatggaag gtgatgggag gtaatctggg 3480
ctggaaatac agatttggaa gtcaccccat atcagtggtg tttaaaatca agagcaaatg 3540
aaattgcaca aggagaatat atagaatgaa caaattacca tgggtgaagc cttgagtaat 3600
acagacattt aagaagcaaa caaaagacaa ggaacccatg agggagactg gaaaggaaaa 3660
aacagagaaa taagaaaaaa tgagaggaga gaattgatac attttcctca ggtgtggcat 3720
tatggagttc actggtgtct catcagagaa gtttcagtcc agtggccagg gcagaatgac 3780
attgtgtctt gttttaaagt aaatgggtag ggtaagaaag ttgagaaggg ttagcacaaa 3840
cctctctttc aagtcacttg ccttagaaga gaaggaaggg tatggtttct ggggtgcaac 3900
ccaggttcaa gaagcaaaaa aaaaaaaaaa agggcggccg ctctagagga tccctcgagg 3960
ggccccagct tacgcgtgca tgcgacgtca tagctctctc cctatagtga gtcgta 4016

<210> 2057
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<400> 2057
agctggtacg cctgcaggta ccggtccgga attcccgggt cgacccacgc gtccggaaca 60
gggaaagaaa gggacagaga tggaaaatcc tattttattg ttttgacttt agacatccag 120
aaagggttac taactttaaa actttaaata aagttgccct gtgttgggga agaaatctgg 180
caatcctagt tactttgaag tcacgctacc ctttttcact agagtctccc tgacccaaga 240
gaacagggaa gggccggtag gatacacata acagtagctc cttttacttg gctggattta 300
ggtatgccag gagcagggtg cagtattagg ccagaaatct ctgttggtct ctgcttgcct 360
ctcagtgcta atgtggtcag ctctccttga ctgtagacca tccagccaaa tccaagctct 420
gcttttctct tttggactca ggacccatta aactcagtaa cctcattaaa ttctgcctgc 480
acatttctcc tttcttttct tttctttttt ttttttgaga ccatgtctca aaaaanaaan 540
nnaaaatata tatatatata gagagagcga gccgagagag agagaga 587

<210> 2058
<211> 1063
<212> DNA
<213> Homo sapiens

<400> 2058
ggcggaatgt tcaactccta actgcggcgg aaacgtggga gccgcgcggg ccgctgtcgt 60
cccaaccccc gccgccctcg tcgcgcgcgg ggcctccgcg cccccggctg ctgctcacgc 120
cccgcccggg agccagattt tgtggaagta taatactttg tcattatgag atgtcgtctc 180
tcggtgcctc ctttgtgcaa attaaatttg atgacttgca gttttttgaa aactgcggtg 240
gaggaagttt tgggagtgtt tatcgagcca aatggatatc acaggacaag gaggtggctg 300
taaagaagct cctcaaaata gagaaagagg cagaaatact cagtgtcctc agtcacagaa 360
acatcatcca gttttatgga gtaattcttg aacctcccaa ctatggcatt gtcacagaat 420
atgcttctct gggatcactc tatgattaca ttaacagtaa cagaagtgag gagatggata 480
tggatcacat tatgacctgg gccactgatg tagccaaagg aatgcattat ttacatatgg 540
aggctcctgt caaggtgatt cacagagacc tcaagtcaag aaacgttgtt atagctgctg 600
atggagtatt gaagatctgt gactttggtg cctctcggtt ccataaccat acaacacaca 660
tgtccttggt tggaactttc ccatggatgg ctccagaagt tatccagagt ctccctgtgt 720
cagaaacttg tgacacatat tcctatggtg tggttctctg ggagatgcta acaagggagg 780
tcccctttaa aggtttggaa ggattacaag tagcttggct tgtagtggaa aaaaacgaga 840
gattaaccat tccaagcagt tgccccagaa gttttgctga actgttacat cagtgttggg 900
aagctgatgc caagaaacgg ccatcattca agcaaatcat ttcaatcctg gagtccatgt 960
caaatgacac gagccttctg acaagtgtaa ctcattccta cacaacaagg cggagtggar 1020
gtgcsaaatt gaggcaactc ttgagaggct aaagaaacta gag 1063

<210> 2059
<211> 2716
<212> DNA
<213> Homo sapiens

<400> 2059
tcgacccacg cgtccgcgga cgcgtgggtt ttttgaaaat atgcagaaat ttgtggtaat 60
tatgtatttg tgtcttgtga caattatgtt ttatagacct acactagtgc caggtcacta 120
ttgtaagatg ttaaaatctc aagaaaattt cacagagcta aagaaatgat gtcaaattag 180
tcacattaag ctatagtaga aggaattgga cacttctcca gatatttggc ttcaaaggag 240
tacctttact tacatgtgct ttatggtaag tacattgaat tttactttaa atgcatttta 300
ctacaaagca caattcattt gtaatgcata tccatcttgg attcaatcca aggtgcttta 360
gctatcagta gtaccaaagg atctttttac aaggcttcct gtggtattga ctctgagaat 420
aacacatagt gaagatctgt gggcttttaa aattgttcac agccaattta agaagacccc 480
tcatgaagtc tcagttttca gtacagtaca tcattcctcc tcactaggag cactttgatg 540
taaaccagaa tagctttaaa aagacaaaaa ggatcgtaga tctgattttt aaatggttgg 600
ttgctctgac agatctgaac actttgcttc atgactattt cgtcataaag gtatatgttt 660
aaaatctgaa tggcagtact agctctatac ttttaatact gctttgtatt ttatatgtaa 720
agtagtattg ctgacatttt aaaaaaatac aaaatacaaa agaaaccatt agaaattaat 780
aactgtggct cttccagttg aaataggaat tggagagaaa ggattagaat attttaatta 840
ggggagtaga ttattgtcca aaggctttta tttagagaaa cgggtaatta aaacagcagc 900
tttagaatag cttcttactg aatatgcaaa agaataattc cttgttattt cctaattgat 960
ccaagtctca taaatttagc ttttgtcata attccttacc gaaaacaact gaaattgaga 1020
gtcataaata ctgtgggtta gaataaaaac catttgccaa agcaacactc tacttagaag 1080
cacatgtaca tacatggacc tcattcagaa gtccatgttg tagcagttag aatttgarta 1140
tcagccattt cattgtagta acaaaaattg aattgcattt tgtgctcagt tgtttattgt 1200
aattttattt ttgttacatt aatattagtt aagatatggt cacttgaatt ttttgtattt 1260
aagaattttc tgttttaatg catgttatac ttttatgtag gattccaaac cttccctcta 1320
aatgggattt aacccacatc tgcgagatca gcgttatgct aagaggaaat cactgaggcc 1380
atatcttttt acaatctgaa aaaaaagtag taaaaaggta gttaaaaaaa aaaaaggccg 1440
ggtggtggct catacctgta atcctagcac tttgggaggc caaggcaggc agatcacttg 1500
aggtcagggg ttcaaaacca gcctggccaa gatggtgaaa ccccatctct gctaaaaata 1560
caaaaaaaaa ttagccgggc atggtggcac gtgcctgtaa tcccagctac ttgggagact 1620
gaggcaggag aattgcttga acccgggagg cggagattgc agtgagccaa gatcacgccg 1680
ttgcactcca gcctgagcaa cagagcaaga ctccatctca aaaaaacaaa actactttca 1740
ttaattaccc attatttatt ttagttactt aattttgagt tcataaatgg ccaccctaat 1800
ggaaagtttg ggtatgatct taggttttat ggagatgttt tcaatagaga ttatttttcc 1860
ctcaccctat ttgtgaatat ataaattaaa gtaagacaat ggagtaagta agagggtaga 1920
tccaaacaca gtatgtctaa attctagcac tctactggct gcttagaata caccaaacct 1980
ggaagacctt tccaagagta aaatcccagt ctgccactat caaaattgcc acagtcactt 2040
ttactacttg tgttcatagt agactcagca cttctttttc actggaccta gtataactga 2100
gaaataaata actgtgtgca aaatattggt atcattaagg acccagagct gcccattttc 2160
tctttgttct aatagggaag caattactga tagaaatgtg agattaaaaa tagggtcctc 2220
cctgctgctc caaacaaatg cctaaacaca gtatgtatct cagtcctctg ttcccagaga 2280
ttccacccta gcccaggaaa gaactggcct gtgtaaagca aaacccaagt catccccctc 2340
cagaaatttc tctggcagcc aagcctgacc ctaagggttc cactttgctt taaaagctag 2400
gagtggcctc tagagccagg aacacattaa tacaacagtt caacctcagc accaagtcag 2460
gtacgaagcg cttgatacgt ggaatttttc tctatatcaa gtttaaattt ctggaaatag 2520
actttggttg ctaatgacaa ttacagttat accatagtct gtaatttgag aaaaggtgaa 2580
atgtatttaa tatatattta gttttaataa aaagataaaa ttattacaga aataattgag 2640
agagagaaaa tctattataa tttatttgaa aaataaaaca ttttatccag taaaaaaaaa 2700
aaaaaaaagg gcggcc 2716

<210> 2060
<211> 2013
<212> DNA

<213> Homo sapiens

<400> 2060
cttccggctg gcggtgagtg gggagtggga tccgatcccg tggggctatg taggggaagt 60
tggtggctgc agctgccgtg gttttctcct ggtgtccagc agaaacggcg gcggcgcaag 120
gtgtggctgg gccaacccag gatctcccag gaccctccgc tctgcgcgac aaggggcccg 180
cgcttgccaa ggccgacggg caggagtgaa cgtggcctcc gtgggtctgc agccccgata 240
ggccaattgt acagaattta aaccgtctct cagatgtgta cagtagaact caagaagaca 300
gactaccaag ggtcatctga agtcgtgatt gggtcactaa taacaccagg acaaagttaa 360
gggatcacta ctcaagcata agccccagtt ttcataagac tgctgtgaag atgtttgata 420
taaaggcttg ggctgagtat gttgtggaat gggctgcaaa ggacccctat ggcttcctta 480
caaccgttat tttggccctt actccactgt tcctagcaag tgctgtactg tcttggaaat 540
tggccaagat gattgaggcc agggagaagg agcaaaagaa gaagcaaaaa cgccaagaaa 600
acattgcaaa agctaaacga ctaaaaaagg attgaaggac tgaacaggct ttgcaaccag 660
aggaaaatca tttggaaaat tacacagctt tggaagaatc cactaaagtt tcttctttgg 720
atttcttgac agtatgattt agtaaatgaa atttgaccaa atggaagaat catgttagtt 780
ctgacctcaa tactatagta acttttaggc gtgggtgtag aagtttatag gtttctattg 840
acagttattg taaattagca tttactgtgg tacaaattct ttataactga cttagtcatt 900
tgccgcttag cagtttatat actgaaatga aaacatcttg tggggaaaag tgactttaga 960
ttatgaactc aattcaaatg aactctattt aaaatggggt cctattttgg acaaaggaaa 1020
ttaagaatgt aaaagtcaga acagtcttga ggtaaaaagt gtgctttggc ttaaaaggga 1080
tacagtatat taattacatc ttttattatt attgkttatt tcttagaatc atttctggct 1140
ttctcaaaac aaaataatat taatgagtac ttctatttgc tgcatttttc ttattacagc 1200
ctttgagaca gctggtaatt ataagtcatt ttccattttt taaaacataa ttttataaag 1260
aattctctta tctcgactat gtagaatacc acctactgga cagaacaatt tttgtactca 1320
caaacactgc cattttctta gagatggctt gagaggagta acactatggt ttaaagcttg 1380
cagtaaaaat gccaaacact gtagtacctt ggaacccagt ttattcttgt gctaagcaga 1440
actgtaaaat agttaaaatg tcttatcaag taattcgccg attacaaaga caccatttgt 1500
tttttatttc attctttgtt ttaactcatg tggtagtgat atttaatact ttctgatcaa 1560
acaggttcaa agtaaaacgt taaatttcac atttctttta aagaactctt aaagtgtaac 1620
agttacgcca tacttcataa gtggtaaaga aaggtataaa atttggaaac attttgttgg 1680
gcatagtagt gattgggtga aaaggataaa ttatatcaaa atgagaatgt gctgtaattg 1740
gaagtaggga gctaaaggat gtttctttca gtttagtaga actggaacgt tttactatta 1800
aacatggctt ttataaatgc atggtccaat aattttattc actgttagta tttaattcac 1860
tgtcagctta ttaatgtttt ctgtacccat taatgaattt taaattacaa aaaattgtct 1920
agcagctaca gtttaaaaat gaaactagac attaaaataa atttgataat tttttataaa 1980
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 2013

<210> 2061
<211> 2595
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1009)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2456)

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2593)
<223> n equals a,t,g, or c

<400> 2061
ggcatcccta atctgaaaat ccaagattaa atgctccaat tagcatttcc tttgagcgtc 60
atgttagagt tcaaaaagtt tcagattttg ggttttcaga ttaggaatac ccaacctgta 120
tgtacgtata tttctgtatc tatgtatgta tatatatgca tatgcagaca tatgtatatg 180
gtctggtcag catatgtgta tgtatgcgta tgtatgtatg tatgtatgcc ctcagtgcag 240
tggggtttgc tgcagaattc actgcatagc aggagatgta agcagatgag ttatttttta 300
agagaatcta atctaattgt ttttataaaa attattccct attgaatatt tatataatga 360
ggttgtatca acaatgatta actcctttat tatacataca catgaatgtg catttttggt 420
aaatgcataa atgagattct ataatgttta ctgatcttta tattacagat tttctcttct 480
tttaggatta gctcagcttg ccccccctttt ccatctccac catctatagt gagcctctcc 540
ataattagtg ccaaccatta gtctcgttca tatttttaca ccaggagtca acaaactgtg 600
gccattggcc aaatatggcc tcccaactgt ttttttaaaa taaagtttta ttggaacaca 660
gccatgttca tttggacatg tattgtctgg gcttcttttg tgctgcactg gcagaattga 720
gtagttttgg cggagatcaa atagccccca agctggaaac tgaaaatatc tactctctgg 780
ctctttacag aaaatgtttg ccagcacatg atacacacac aaacacacac acatacacac 840
atattactat gttcatcatc atatacctgt gtaagtactc tttcattgat ttataaaact 900
cagatctctt acgtgtgtgg atggtatttt tttcattcta caatccatga tggattgtac 960
acacgtgtat tctatgaggt tgacctgcca taatttattt agcccattnc cacagttttt 1020
gattacttat ttcctcccca cacacatttt ttgctaaaaa acggagaggg aactgttatc 1080

aatacttccg agaagcagac cagcataatc ttttaagtgc acaggcccag gagccaggtt 1140
cctgcatttg attcctggct ccactctcta ccctctgcat ctgctgagca agttatttgg 1200
tctcatctat tctggtttct catctacaaa agggagatga tgatagtacc ctacccccat 1260
gcatttggtg tgagaagtgt gtgtgtgtta aacccttgga actgcatgga cagaycaagt 1320
gctgatgaat tttarcgggc ctcgtatccc tgagcctgcc tggttccctt gtgctgggtg 1380
tgggactgtg gtgggagatt tctgtcagct ggaagtcttt tccagaaggg tgttagagat 1440
gggcacccat ggctttagtc tccatacccc ttcaaggttg ataggggccc acacagctgg 1500
tcaggaacca gcacagacct caggctgtgt ctaaaacaag gtgactgcac atgcaggagc 1560
ctgtgctggg ccctggagag caaatctgtt ctgtgtctca ctggcctctc cctgtccagg 1620
ggcgtagtat cagtgaccat gtcccacctc ctgagaaagg tggaagagtc tcacctgggg 1680
agtccaggta caagggctgg ccggccgtag atgactggtg tggggtggaa aggctgcaga 1740
ggcctctcca tggtggtgag gggtggaaat agtgtgcacc tgggtcctgg gagtggcacc 1800
ctgaccagtt tcagggagga aggtggcagg gccctaggac aagtgtgtta aaaacttgag 1860
cccacagtgt agacacactg gttccaaaga cccctcagga tgtgcctccc ttctcagatc 1920
tgggctttcc ctgttcctaa gcatcacctg gggggatcac tctgggtcct catctccagc 1980
cacatgttca ctcctcacgt gggcctccct aactgtcccc ctcagggcaa gcccttcctc 2040
cccacttcca gaaagctgct cgttccctgg ccatcccaca cctctgacct cgtgccactt 2100
ccggggcctg ttggctttaa caacttagtt tcctccctac ctcgcaaccc cctctgtcta 2160
gagtgctcac ctccctccca gcctctgtct catactattt tttctttcct ctcaagtacc 2220
aagcgctggg acaagccagt ctgtactcaa tgcctgtggg ataatagacg gaggaatctg 2280
gagtttggtt gggtgattaa gctttggaat tgatgggtcc cagggagcta tctaaagttt 2340
tcaagtcaca tgagggcatg ctcacagatc tgtgaaaaga tctggtggct cagagaacta 2400
agagatgaat aaatggtaag tccaatggcc tcatcatgag atgagaggca agaagntttg 2460
aggttncaga nggagaagct actattctag gcaacttgga tgaactnact cggttaattc 2520
tcacaagcat tgnanggaaa taatctaacc tcataaaccc cattttagag gatgagggaa 2580
caaggcttag agnaa 2595

<210> 2062
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2062
ggtacatttg tatattatca aaatgttctt attgtaacaa cttaactaat actaaaatgg 60
ataaaggaaa agtcaatctc ctggtagtac ccctccattc ttaacctctg aagtaacttg 120
tgttaagtga caattgtgta tcttactgat atacaacttt ttcactgtca tacaaacatc 180
cccaagggtg tttgtttctg aaaatattac agcattgata ttctgcacat tccgtagctt 240
gctttaatca ctcaatatgt tataaacacc ccttcgtgtt aatagaaata atactaactc 300
atccttttta ataaccaaag tatggktata tcataatcta ttataccatt caaatgttac 360
ttccagtttt gggggatttt ttttttttgg tcttttgct gttgktgttc attttttact 420
attccaaaaa tgcttcaaca aatattcttt tacagattga atgttgctta tccaaaatac 480
ttgggaccag aagtcttggg gatttctgat tttcagatta gggatgntca mcctgtatat 540
acctccttac acac 554

<210> 2063
<211> 1848

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (969)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1822)
<223> n equals a,t,g, or c

<400> 2063
gggaaccgcc ggctgtgggg ttggaaccgc cggctgtgag tttcctcact gcttggagga 60
agatgagaat tctcagaggt ccttatgctg ccctttttgc tgcagtcttg acatcttaac 120
gtggatagaa aaaggccgtg cagcatcgaa gacaggagga actggagcct cattggccgg 180
cccggggcgc cggcctcggg cttaaatagg agctccgggc tctggctggg acccgaccgc 240
tgccggccgc gctcccgctg ctcctgccgg gtgatggaaa accccagccc ggccgccgcc 300
ctgggcaagg ccctctgcgc tctcctcctg gccactctcg gcgccgccgg ccagcctctt 360
gggggagagt ccatctgttc cgccagagcc ccggccaaat acagcatcac cttcacgggc 420
aagtggagcc agacggcctt ccccaagcag taccccctgt tccgcccccc tgcgcagtgg 480
tcttcgctgc tgggggccgc gcatagctcc gactacagca tgtggaggaa gaaccagtac 540
gtcagtaacg ggctgcgcga ctttgcggag cgcggcgagg cctgggcgct gatgaaggag 600
atcgaggcgg cgggggaggc gctgcagagc gtgcacgmgg tgttttcggc gcccgccgtc 660
cccagcggca ccgggcagac gtcggcggag ctggaggtgc agcgcaggca ctcgctggtc 720
tcgtttgtgg tgcgcatcgt gcccagcccc gactggttcg tgggcgtgga cagcctggac 780
ctgtgcgacg gggaccgttg gcgggaacag gcggcgctgg acctgtaccc ctacgacgcc 840
gggacggaca gcggcttcac cttctcctcc cccaacttcg ccaccatccc gcaggacacg 900
gtgaccgaga taacgtcctc ctctcccagc cacccggcca actccttcta ctacccgcgg 960
ctgaaggcnc tgcctcccat cgccagggtg acactgstgc ggctgcgaca gagccccagg 1020
gccttcatcc ctcccgcccc agtcctgccc agcagggaca atgagattgt agacagcgcc 1080
tcagttccag aaacgccgct ggactgcgag gtctccctgt ggtcgtcctg gggactgtgc 1140
ggaggccact gtgggaggct cgggaccaag agcaggactc gctacgtccg ggtccagccc 1200
gccaacaacg ggagcccctg ccccgagctc gaagaagagg ctgagtgcgt ccctgataac 1260
tgcgtctaag accagagccc cgcagccccc ggggcccccc ggagccatgg ggtgtcgggg 1320
gctcctgtgc aggctcatgc tgcaggcggc cgagggcaca gggggtttcg cgctgctcct 1380
gaccgcggtg aggccgcgcc gaccatctct gcactgaagg gccctctggt ggccggcacg 1440
ggcattggga aacagcctcc tcctttccca accttgcttc ttaggggccc ccgtgtcccg 1500
tctgctctca gcctcctcct cctgcaggat aaagtcatcc ccaaggctcc agctactcta 1560
aattatgtct ccttataagt tattgctgct ccaggagatt gtccttcatc gtccaggggc 1620
ctggctccca cgtggttgca gatacctcag acctggtgct ctaggctgtg ctgagcccac 1680
tctcccgagg gcgcatccaa gcgggggcca cttgagaagt gaataaatgg ggcggtttcg 1740
gaagcgtcag tgtttccatg ttatggatct ctctgcgttt gaataaagac tatctctgtt 1800
gctcamaaaa aaaaaaaaaa anaaaaaaaa ttgggggggg gcccggta 1848

<210> 2064
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<400> 2064
ccggcccgcc tgcccgggca ccggtccgga attcccgggt cgacccacgc gtccgcccac 60
gcgtccgccc acgcgtccgc ccacgcgtcc gctgtgtcgt aaaatggggg tcccttactg 120
cattatcaag ggaaaggcaa gactgggacg tctagtccac aggaagacct gcaccactgt 180
cgccttcaca caggtgaact cggaagacaa aggcgctttg gctaagctgg tggaagctat 240
caggaccaat tacaatgaca gatacgatga gatccgccgt cactggggtg gcaatgtcct 300
gggtcctaag tctgtggctc gtatcgccaa gctcgaaaag gcaaaggcta aagaacttgc 360
cactaaactg ggttaaatgt acactgttga gttttctgta cataaaaata attgaaataa 420
tacaaatttt ccttcaaaaa aaaaaaaaaa aaaaaaaaaa aaangggggg ncccctanc 480
cnattgg 487

<210> 2065
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2065
ggcacgagga ggaaactaac gattccctgc ccacccccac acccagcacc accaacaggt 60
gggcaagctt gccgagaaaa cgcagagggc atcctgtgag cagcaaacac atctgagcct 120
ggaaaagacg cagagaagta aaagatcaaa gtctgattgg caccggctcc cattccggct 180
ccagcctcca atccgacccc catttcggct gcagcctcgg acctagctcc ggccctcggt 240
ctatccggtt gcatcctccc tccctgttcc ggatcttatc ttgcgccasg cctactccag 300
gatcccgtag ccagacctca agccatggct ggtcccttct cccgtctgct gtccgcccgc 360
ccgggactca ggctcctggc tttggccgga gcggggtctc tagccgctgg gtttctgctc 420
cgaccggaac ctgtacgagc tgccagtgaa cgacggaggc tgtatccccc gagcgctgag 480
taaccagaac ttccgaaagc acaacaattg catggccatc acttgancca gcatttatgc 540

aaggtttgga aaagacaaac cattggtttg aagta 575

<210> 2066
<211> 786
<212> DNA
<213> Homo sapiens

<400> 2066
cgacagaagg gtacggctgc cagaagacga cagaagggta cggctgcgag aagacgacag 60
aagggtacgg ctgcgagaag acgacagaag ggggctcttc ctcgtttgcc cctcgtgttc 120
atgggagctc gttttctttt cctctaggca gagaagaggc gatggcggcg atggcatctc 180
tcggcgccct ggcgctgctc ctgctgtcca gcctctcccg ctgctcagcc gaggcctgcc 240
tggagcccca gatcacccct tcctactaca ccacttctga cgctgtcatt tccactgaga 300
ccgtcttcat tgtggagatc tccctgacat gcaagaacag ggtccagaac atggctctct 360
atgctgacgt cggtggaaaa caattccctg tcactcgagg ccaggatgtg gggcgttatc 420
aggtgtcctg gagcctggac cacaagagcg cccacgcagg cacctatgag gttagattct 480
tcgacgagga gtcctacagc ctcctcagga aggctcagag gaataacgag gacatttcca 540
tcatcccgcc tctgtttaca gtcagcgtgg accatcgggg cacttggaac gggccctggg 600
tgtccactga ggtgctggct gcggcgatcg gccttgtgat ctactacttg gccttcagtg 660
cgaagagcca catccaggcc tgagggcggc accccagccc tgcccttgct tccttcaata 720
aacatcacag gacctgggac tgcacaggaa aaaaaaaaaa aaactcgrgg ggggcccggt 780
acccaa 786

<210> 2067
<211> 2021
<212> DNA
<213> Homo sapiens

<400> 2067
gctccccgcg kcckcttcgc ttttgtggcg gcgcccgcgc tcgcaggcca ctctctgctg 60
tcgcccgtcc cgcgcgctcc tccgacccgc tccgctccgc tccgctcggc cccgcgccgc 120
ccgtcaacat gatccgctgc ggcctggcct gcgagcgctg ccgctggatc ctgccctgc 180
tcctactcag cgccatcgcc ttcgacatca tcgcgctggc cggccgcggc tggttgcagt 240
ctagcgacca cggccagacg tcctcgctgt ggtggaaatg ctcccaagag ggcggcggca 300
gcgggtccta cgaggagggc tgtcagagcc tcatggagta cgcgtggggt agagcagcgg 360
ctgccatgct cttctgtggc ttcatcatcc tggtgatctg tttcatcctc tccttcttcg 420
ccctctgtgg accccagatg cttgtcttcc tgagagtgat tggaggtctc cttgccttgg 480
ctgctgtgtt ccagatcatc tccctggtaa tttaccccgt gaagtacacc cagaccttca 540
cccttcatgc caaccstgct gtcacttaca tctataactg ggcctacggc tttgggtggg 600
cagccacgat tatcctgaty ggctgtgcct tcttcttctg ctgcctcccc aactacgaag 660
atgaccttct gggcaatgcc aagcccaggt acttctacac atctgcctaa cttgggaatg 720
aatgtgggag aaaatcgctg ctgctgagat ggactccaga agaagaaact gtttctccag 780
gcgactttga acccattttt tggcagtgtt catattatta aactagtcaa aaatgctaaa 840
ataatttggg agaaaatatt ttttaagtag tgttatagtt tcatgtttat cttttattat 900
gttttgtgaa gttgtgtctt ttcactaatt acctatacta tgccaatatt tccttatatc 960
tatccataac atttatacta catttgtaag agaatatgca cgtgaaactt aacactttat 1020
aaggtaaaaa tgaggtttcc aagatttaat aatctgatca agttcttgtt atttccaaat 1080
agaatggact cggtctgtta agggctaagg agaagaggaa gataaggtta aaagttgtta 1140
atgaccaaac attctaaaag aaatgcaaaa aaaaagttta ttttcaagcc ttcgaactat 1200
ttaaggaaag caaaatcatt tcctaaatgc atatcatttg tgagaatttc tcattaatat 1260
cctgaatcat tcatttcagc taaggcttca tgttgactcg atatgtcatc taggaaagta 1320

ctatttcatg gtccaaacct gttgccatag ttggtaaggc tttcctttaa gtgtgaaata 1380
tttagatgaa attttctctt ttaaagttct ttatagggtt agggtgtggg aaaatgctat 1440
attaataaat ctgtagtgtt ttgtgtttat atgttcagaa ccagagtaga ctggattgaa 1500
agatggactg ggtctaattt atcatgactg atagatctgg ttaagttgtg tagtaaagca 1560
ttaggagggt cattcttgtc acaaaagtgc cactaaaaca gcctcaggag aataaatgac 1620
ttgcttttct aaatctcagg tttatctggg ctctatcata tagacaggct tctgatagtt 1680
tgcaactgta agcagaaacc tacatatagt taaaatcctg gtctttcttg gtaaacagat 1740
tttaaatgtc tgatataaaa catgccacag gagaattcgg ggatttgagt ttctctgaat 1800
agcatatata tgatgcatcg gataggtcat tatgattttt taccatttcg acttacataa 1860
tgaaaaccaa ttcattttaa atatcagatt attattttgt aagttgtgga aaaagctaat 1920
tgtagttttc attatgaagt tttcccaata aaccaggtat tctaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaactcgt a 2021

<210> 2068
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<400> 2068
gggaatcttc atgggatcct acgggacttc tactcaccac tggtgcctga cagcatgaaa 60
tttgagattg gagaggctct ttacttgggc attatttctt ccctgttctc cctgatagct 120
ggaatcatcc tctgcttttc ctgctcatcc cagagaaatc gctccaacta ctacgatgcc 180
taccaagccc aacctcttgc cacaaggagc tctccaaggc ctggtcaacc tcccaaagtc 240
aagagtgagt tcaattccta cancc 265

<210> 2069
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 2069
aaggaaattc ctcccaattn tccaatntcc cnaaagtggc tggggattna caggcgtgag 60
ccaaagntcc cagcctaggc ccttaatctt gctgttattt tccatggact aaaggtctgg 120
tcatctgagc tcacgctggc tcacacagct ctaggggcct gctcctctaa ctcacagtgg 180
gttttgtgag gctctgtggc ccagagcaga cctgcatatc tgagcaaaaa tagcaaaagc 240
ctctctcagc ccactggcct gaatctacac tggaagccaa cttgctggca cccccgctcc 300
ccaacccttc ttgcctgggt aggagaggct aaagatcacc ctaaatttac tcatctctct 360
agtgctgcct cacattgggc ctcagcagct ccccagcacc aattcacagg tcacccctct 420
cttcttgcac tgtccccaaa cttgctgtca attccgagat ctaatctccc cctacgctct 480
gccaggaatt ctttcagacc tcactagcac aagcccggtt gctccttgtc aggagaattt 540
gtagatcatt ctcacttcaa attcctgggg ctgatacttc tctcatcttg caccccaacc 600
tctgtaaata gatttaccgc atttacggct gcattctgta agtgggcatg gtctcctaat 660
ggaggagtgt tcattgtata ataagttatt cacctgagta tgcaataaag atgtggtggc 720
cactctttca tggtggtggc agcagttaaa aaaaaaaaaa aaaaaaaact cgag 774

<210> 2070
<211> 2620
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2599)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (2609)
<223> n equals a,t,g, or c

<400> 2070
cgggggggggg ggggaagatn aagcannaat ttacgtgaca ctatagaagg tacgcctgca 60
ggtaccggtc cggaattccc gggtcgaccc acgcgtccgg ggtgtccgag ggccacaaga 120
gtatgacggg gctgtacgag ctggtgtggc gggtgctgca cgcgctgctc tgtctgcacc 180
gcacgctcac ctcctggctc cgcgttcggt tcggcacctg gaactggatc tggcggcgct 240
gctgccgcgc cgcctctgcc gcggtcctag cgccgctcgg cttcacgctc cgcaagcccc 300
cggcagtcgg caggaaccgc cgtcaccacc ggcacccgcg cgggggggtcg tgcctggcag 360
ccgcacacca ccggatgcgc tggcgcgcgg acggtcgttc cttggagaag ctgcctgtgc 420
atatgggcct ggtgatcacc gaggtggagc aggaacccag cttctcggac atcgcgagcc 480
tcgtggtgtg gtgtatggcc gtgggcatct cctacattag cgtctacgac caccaaggta 540
ttttcaaaag aaataattcc agattgatgg atgaaatttt aaaacaacag caagaacttc 600
tgggcctaga ttgttcaaaa tactcaccag aatttgcaaa tagtaatgac aaagatgatc 660
aagttttaaa ttgccatttg gcagtgaagg tgctgtctgc cggaagatgg aaaagcagat 720
attgtaagag ctgctcagga cttttgccag tkagtagccc agaagcaaar gagacccaca 780
gatttggatg tagatacgtt agccagttta cttagttcaa atggttgtcc tgatcctgat 840
ttagtaytga agttcggtcc tgtggacagc acaykaggct ttcttccctg gcacatcaga 900
ttgactgaga ttgtctcttt gccttcccay ctaaacatca gttatgagga ctttttctct 960
gcccttcgtc aatatgcagc ctgtgaacag cgtctgggaa agtagtggtc attggttgca 1020
taatttgatt tgaggcttgt ggaggaaagg aaccaagtga ctctgatgtt tacaaagcac 1080
ctatgaaacc ctgtacacac ctagttcata atcctcataa tttatcaaca aacacaaaaa 1140
agtgtcttac ttgagagtga gtgtgtgtgt gtgcgtgtgc acgtgcacac atgtgcacgt 1200
ttgtatgtat ggaaataaac ttataaatgg ggacgtattg gagaaggaaa tacatagacc 1260
tacaactttg agcaaatagc agtgatgttt taggaactga aatgtcacac ttaaagtctt 1320
cagcccagct acttccctat ttttgtgggg agaagagggc ctgattagaa ctgttctggt 1380
tgtgtttggc gggaggggaa taatttttgt tcagtccttc ttagtgacca aactttaatt 1440
tttaagaata atatattgac ttactgaact gaagcattct gagttgaaag gagctycaga 1500
ggagtggagt tctgtgttgc tcacatgtta aaatcttgct caccttcaga gcagagggaa 1560
tacctatctt cagatatccg tccatttca tctcttaatt gtagtcaaaa gtatgacttg 1620
agagtgttgc tctggtattc tgggttctga agtctggtat tctggtattc tgggttcaaa 1680
agtatgactt gagagtgttg ctctggtatt ctgagagttg ctctgtattc tgggttctga 1740
agattatttg aaaaataact cctactacat tgaaatgcag acttaaaaat ttaaacattg 1800
gattaggcag tcaaaaaaac caagcaagca taaaaggtca ataagttgta atcttgatag 1860
taaaggtgga aaactyatta taaatggaaa gaaagtttta tttccttttt tgtttgatgg 1920
gcagtatgcc atattatacc caaagttskt ttaaaaaata yttccatcaa cyatttttat 1980
ttaaaataaa catttgaggg aagttaccaa ggcagctttt ttcctcaaaa gtaacctgtt 2040
cctctttgga ayagcacatt ttaggggcat ggttaatacc tgagattttt actcagtaaa 2100
tcctgatggt tacygtgtgt aaaatatctt taagtaggat tgaaggcctc tgtgggggaa 2160
taaaatatta ccaaagtcta taaaaataaa ttttacatgt tctcttttat gacagagagc 2220
agcactggtt ctgttatttt taaaatgaat aattgatttc ttgataggtg tttaatattt 2280
cttccctcac tgctgattct tagatagaaa ccattcttta tatttgatag actgctttca 2340
gaaaaccctt atcaacaagt gtacaatact tatctaaaac tatacattta gaatggagca 2400
gtttaatact agatctcaga agttttgaaa aatagcaaag aagactggat ttggaaagca 2460
tggtctacaa ttggttgtta aattctgaag ctatgaagaa taaatgtttc aactttggat 2520
tatgaaaccc catttatgat tttttaaata cacttgaaat aaaaatgatt aaactaaaaa 2580
aaaaaaaaaa aaaaaattnc tgcggccgnc aagggaattc 2620

<210> 2071
<211> 1476

BNSDOCID: <WO___0122920A2_I_>

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<400> 2071
taaaattttg gaatttgcca tttctcagac aatgatcagg ccttaggaaa ttaatacagt 60
agtagtaatc attttctagg ggaaaataaa agaataaatc actatactga tattttgata 120
taagcaagca cttacatggt aatcactata tagatccaac ctgtggattt tcttcttatg 180
tccatttaac tagaatatat tattttaggt ataatttaca aatgtcacac ctaataatct 240
tttataatat accntatttc attaaagttt tgttagagaa gtatctacca cagaggagtt 300
tttgtcattg tgtacgttgt gtatttgaac ccaccatgac agaaagtaaa ttttaggaaa 360
tagttatgag attaagggaa aatctataaa aacaaggtta gcatatttct aacacagata 420
ccaccacttt ctttttccca ttatagacat ggtgaatcca cacagcatac ttcatctctg 480
agctttgttg tgattcctca acacattacc ctaaccagcc agcagtaaca gatttcagag 540
taagataaag cagattctgt cttcattgca aaaagttatt ctcaatggaa gaatggcatc 600
tgatctcata attactagtt tatattaata tagtttttt ctccctttt aataaaataa 660
ttacagtcat ccctcagtgt ctgtggggga ttggttccag ttacccctat agataccaaa 720
atctgcagat gctcaagtcc ctgatataaa ctggcatagt agttgcatat aatctatgca 780
catcctcctg tatacattaa gtcatctcta gattatttat aacacttaat acaatgtaaa 840
tgctatgtag ttgttatacc atactggtta gtgaataatt acatgaaaaa aaagagtctg 900
tacatcttca gagtttcagt cggcaatttc ttggccatgg atgtagaacc tacagataag 960
gtgagccaac tgcattagga aataactcta ataattctgt taattcttag agaggaaaac 1020
tttcaaaatc ttcctcaggt atttattaca actgccttta ccattttagt tgtaacacag 1080
tttaaattgt tatgataaca agtaaataag agcaaagaat ttatttctta attcaaaact 1140
atacgtttga attcaatatg gtataactta aagtggtata atacatacaa tgcatgaatc 1200
ataatggatt cttttataag ttattaattt ttatggttta atcagtctaa ttgttttgac 1260
tgttatagaa accaaatatt ttactgtttc ttttaaggac taatattgtc aaaaactgct 1320
gttattaact tcacttgagt tgtttaactt ccttctgttt taagattgta attaaaaatt 1380
actattttgt tatatggaat ggttaatttt tacctaataa aaacatagat gaaatacawt 1440
gtaaaaaaaa aaaaagcctc cctccgtgcc gtcgat 1476

<210> 2072
<211> 2224
<212> DNA
<213> Homo sapiens

<400> 2072
cgggtcgacc cacgcgtccg gagctgcccc gaacaaagat ggcgcgggaa gcgtctgtga 60
gggcagactg atccgagcac ccaaaccctc ggcggacagc ggagccagtg gtagccgcac 120
ggccctaaaa ccatggagga gggcggcagc actggcagtg ctggcagtga cagcagcacc 180
agcgggagtg gcggggcgca gcaaagggag ctggagcgca tggctgaggt cttggtcacc 240
ggggaacagc tacggctcag gctgcacgaa gaaaaggtta ttaaagatag acgtcatcat 300
ctcaagacct acccaaactg ttttgtcgca aaagaactga ttgactggct gattgaacac 360
aaagaggctt ctgacagaga gacggcaatt aaactcatgc agaaattagc agaccggggc 420
attattcacc atgtgtgtga tgagcataag gaattcaagg atgtcaaact cttctaccgc 480
tttagaaagg atgacggcac cttcccattg gataatgaag tgaaggcctt tatgagagga 540
cagaggctat atgaaaagct gatgagccct gaaaacacac tcctgcagcc cagggaggag 600

gaaggggtca agtatgagcg caccttcatg gcatctgaat tcctggactg gctggttcag 660
gaaggtgagg ccaccacgag gaaagaggca gagcagcttt gccaccggct tatggagcat 720
ggcatcatcc agcatgtgtc cagcaagcac ccatttgtgg acagcaatct tctctaccag 780
ttcagaatga acttccggcg gaggcgaaga ctgatggagc tgctcaatga aaagtccccc 840
tcctcccagg aaactcatga cagtcccttc tgcctgagga agcagagcca tgacaatcgg 900
aaatctacca gctttatgtc aatgtcctgc atgtagacta ccggaccgtg aacaatctga 960
ttctgacggg cccacggacg attgtcatgg aagtcatgga ggagttagag tgctgagctc 1020
ctgggcctcc cagccctcca gtggcctgtg ggtgagggaa gccagaatga cacaaagcaa 1080
tgcaaagaca agattgccat gcaaatggat ggttttggac atacgagtct tctccgcaca 1140
tacatgtctg aagttgagtt ttatacactg aatgtggaag aaccgggtat catatctttt 1200
ttaaaaaatg tcagtgtaga aaacatttgg gaaaccattt tcctacatga tagaactgcc 1260
ttactagatt tctatttgta gctctcattc attgtttttt atcttagttt gcagaaaggt 1320
gttgaaatgc ttctctagcc caaacagcga catgctaaag tccccttctt cagagtcaat 1380
agagtagttg ttaaaggttt taaattgtac tttctccaaa attagcatgc agctatttaa 1440
tagggaatct agatttcacc aagattcaaa tcaaagcaac atttaaagga ataagacctg 1500
ttcactagca ttttcaaggg ggttctaaag cattcaagtg cttaaaagcc ataaaaaatg 1560
acttcttaat tcctgccttt agtgtcaact tttaagttaa tacaggtttc aattgtggca 1620
ttaggaaaaa aaaaaaacct tgtgatgcta tggttggggg tagttaggga gagactacat 1680
gaaattgtgt gcccctattt tctttctgat cctaaatcat tttgttttat aaatcagcta 1740
tagcatcttt ctagaattaa tcctgaatat gttgaatgtt aaaatagaga agtttgtata 1800
tacacataat taaaaatcaa cccttctggc aaraaaaaaa aaaaaaaaaa ctcgaggggg 1860
ggcccggtac ccaattcgcc ctatagtgag tcgtattaca attcactggc cgtcgtttta 1920
caacgtcgtg actgggaaaa ccctggcgtt acccaactta atcgccttgc agcacatccc 1980
cctttcgcca gctggcgtaa tagcgaagag gcccgcaccg atcgcccttc ccaacagttg 2040
cgcagcctga atggcgaatg gcaaattgta agcgttaata ttttgttaaa attcgcgtta 2100
aatttttgtt aaatcagctc atttttaac caataggccg aaatcggcaa aatcccttat 2160
aaatcaaaag aatagaccga gatagggttg agtgttgttc cagtttggaa caagagtcca 2220
ctat 2224

<210> 2073
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (690)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (812)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (814)
<223> n equals a,t,g, or c

<400> 2073
acgggatttn tggnatgcna ttcccgacac tatagatngt acgcctgcag ntaccggtcc 60
ggaattcccg ggtcgaccca cgcgtccgcc cgccccacca gccatggtgg tttctggagc 120
gcccccagcc ctgggtgggg gctgtctcgg caccttcacc tccctgctgc tgctggcgtc 180
kacagccatc ctcaatgcgg ccaggatacc tgttccccca gcctgtggga agccccagca 240
gctgaaccgg gttgtgggcg gcgaggacag cactgacagc gagtggccct ggatcgtgag 300
catccakaag aatgggaccc accactgcgc aggttctctg ctcaccagcc gctgggtgat 360
cactgctgcc cactgtttca aggacaacct gaacaaacca tacctgttct ctgtgctgct 420
gggggcctgg cagctgggga accctggctc tcggtcccag aaggtgggtg ttgcctgggt 480
ggagccccac cctgtgtatt cctggaagga aggtgcctgt gcagacattg ccctggtgcg 540
tctcgagcgc tccatacagt tctcagagcg ggtcctgccc atctgcctac ctgatgcctc 600
tatcmacytc cctccaaaca cccactgctg gatctcaggc tgggggagca tccaagatgg 660
agttcccttg cccaccctca gaccctgcan aagctgaagg ttctatcatc gactcggaag 720
tctgcagcat ctgtactgcg ggagcaagac aggacccatc actgaggaca tgctgtgtgc 780
ggtacttgga gggaacggga tgcttgctgg cnantccggg 820

<210> 2074
<211> 1487
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1487)
<223> n equals a,t,g, or c

<400> 2074
atgctcgacc ttagattgtn ctcctgcagn naccggtccg gaattcccgg gtcgacccac 60
gcgtccgatt tgcgggaacg cagagcggag cgtggagagc ggagcgaagc tggataacag 120
gggaccgatg atgtggcgac catcagttct gctgcttctg ttgctactga ggcacggggc 180
ccaggggaag ccatccccag acgcaggccc tcatggccag gggagggtgc accaggcggc 240
ccccctgagc gacgctcccc atgatgacgc ccacgggaac ttccagtacg accatgaggc 300
tttcctggga cgggaagtgg ccaaggaatt cgaccaactc accccagagg aaagccaggc 360
ccgtctgggg cggatcgtgg accgcatgga ccgcgcgggg gacggcgacg gctgggtgtc 420
gctggccgag cttcgcgcgt ggatcgcgca cacgcagcag cggcacatac gggactcggt 480
gaagaatttc atgacgtgga ggatgcagag acctacaaaa agatgctggc tcgggacgag 540
cggcgtttcc gggtggccga ccaggatggg gactcgatgg ccactcgaga ggagctgaca 600
gccttcctgc accccgagga gttccctcac atgcgggaca tcgtgattgc tgaaaccctg 660
gaggacctgg acagaaacaa agatggctat gtccaggtgg aggagtacat cgcggatctg 720
tactcagccg agcctgggga ggaggagccg gcgtgggtgc agacggagag gcagcagttc 780
cgggacttcc gggatctgaa caaggatggg cacctggatg ggagtgaggt gggccactgg 840
gtgctgcccc ctgcccagga ccagcccctg gtggaagcca accacctgct gcacgagagc 900
gacacggaca aggatgggcg gctgagcaaa gcggaaatcc tgggtaattg gaacatgttt 960
gtgggcagtc aggccaccaa ctatggcgag gacctgaccc ggcaccacga tgagctgtga 1020
gcmccgcgca cctgccacag cctcagaggc ccgcacaatg accggaggag gggccgctgt 1080
ggtctggccc cctccctgtc caggccccgc aggaggcaga tgcagtccca ggcatcctcc 1140
tgcccctggg ctctcaggga ccccctgggt cggcttctgt ccctgtcaca cccccaaccc 1200
cagggagggg ctgtcatagt cccagaggat aagcaatacc tatttctgac tgagtctccc 1260
agcccagacc cagggaccct tggccccaag ctcagctcta agaaccgccc caacccctcc 1320
agctccaaat ctgagcctcc accacataga ctgaaactcc cctggcccca gccctctcct 1380
gcctggcctg gcctgggaca cctcctctct gccaggaggc aataaaagcc agcgccggga 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaan 1487

<210> 2075
<211> 2386
<212> DNA
<213> Homo sapiens

<400> 2075

gacactatag aaggtacgcc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgatcagtt atggctaaat cctgtccatc tgtgtgtcgc tgcgatgcgg gtttcattta 120
ctgtaatgat cgctttctga catccattcc aacaggaata ccagaggatg ctacaactct 180
ctaccttcag aacaaccaaa taaataatgc tgggattcct tcagatttga aaaacttgct 240
gaaagtagaa agaatatacc tataccacaa cagtttagat gaatttccta ccaacctccc 300
aaagtatgta aaagagttac atttgcaaga aaataacata aggactatca cttatgattc 360
actttcaaaa attccctatc tggaagaatt acatttagat gacaactctg tctctgcagt 420
tagcatagaa gagggagcat tccgagacag caactatctc cgactgcttt tcctgcccgt 480
aatcaccttа gcacaattcc ctggggtttg cccaggacta tagaagaact acgcttggat 540
gataatcgca tatccactat ttcatcacca tctcttcaag gtctcactag tctaaaacgc 600
ctggttctag atggaaacct gttgaacaat catggtttag gtgacaaagt tttcttcaac 660
ctagttaatt tgacagagct gtccctggtg cggaattccc tgactgctgc accagtaaac 720
cttccaggca caaacctgag gaagctttat cttcaagata accacatcaa tcgggtgccc 780
ccaaatgctt tttcttatct aaggcagctc tatcgactgg atatgtccaa taataaccta 840
agtaatttac ctcagggtat ctttgatgat ttggacaata taacacaact gattcttcgc 900
aacaatccct ggtattgcgg gtgcaagatg aaatgggtac gtgactggtt acaatcacta 960
cctgtgaagg tcaacgtgcg tgggctcatg tgccaagccc cagaaaaggt tcgtgggatg 1020
gctattaagg atctcaatgc agaactgttt gattgtaagg acagtgggat tgtaagcacc 1080
attcagataa ccactgcaat acccaacaca gtgtatcctg cccaaggaca gtggccagct 1140
ccagtgacca aacagccaga tattaagaac cccaagctca ctaaggatca acaaaccaca 1200
gggagtccct caagaaaaac aattacaatt actgtgaagt ctgtcacctc tgataccatt 1260
catatctctt ggaaacttgc tctacctatg actgctttga gactcagctg gcttaaactg 1320
ggccatagcc cggcatttgg atctataaca gaaacaattg taacagggga acgcagtgag 1380
tacttggtca cagccctgga gcctgattca ccctataaag tatgcatggt tcccatggaa 1440
accagcaacc tctacctatt tgatgaaact cctgtttgta ttgagactga aactgcaccc 1500
cttcgaatgt acaaccctac aaccaccctc aatcgagagc aagagaaaga accttacaaa 1560
aaccccaatt tacctttggc tgccatcatt ggtggggctg tggccctggt taccattgcc 1620
cttcttgctt tagtgtgttg gtatgttcat aggaatggat cgctcttctc aaggaactgt 1680
gcatatagca aagggaggag aagaaaggat gactatgcag aagctggcac taagaaggac 1740
aactctatcc tggaaatcag ggaaacttct tttcagatgt taccaataag caatgaaccc 1800
atctcgaagg aggagtttgt aatacacacc atatttcctc ctaatggaat gaatctgtac 1860
aaaaacaatc acagtgaaag cagtagtaac cgaagctaca gagacagtgg tattccagac 1920
tcagatcact cacactcatg atgctgaagg actcacagca gacttgtgtt ttgggttttt 1980
taaacctaag ggaggtgatg gtaggaaccc tgttctactg caaaacactg gaaaaagaga 2040
ctgaaaaaaa gcaatgtact gtacatttgc catataattt atatttaaga acttttttatt 2100
aaaagtttca aatttcaggt tactgctgcg attgatgtag tggagatgcc tgaacacaat 2160
tctatatttt agtatttttt agtaatttgt actgtatttt ccttgcaaat attggagtta 2220
taaaccattt actttgtgtt ctactgagta agatgacttg ttgactgtga aagtgaattt 2280
tcttgctgtg tcgaacaatc aggactgcat tcatatgaga tccttgtagt ataagcacag 2340
gccatttttc actttggtat taataaaatg taaaaaaaaa attggt 2386

<210> 2076
<211> 3893
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<400> 2076
ccnnacggaa ctcntacggg gactttctaa cggaamtctc gtgacactat agaaggtacg 60
cctgcaggta ccggtccgga attcccgggt cgacccacgc gtccgatccc atcagagtct 120
caccccaca ttcaattact gaaaagcaat cgggaacttc tggtcactca catccgcaat 180
actcagtgtc tggtggacaa cttgctgaag aatgactact tctcggccga agatgcggag 240
attgtgtgtg cctgccccac ccagcctgac aaggtccgca aaattctgga cctggtacag 300
agcaagggcg aggaggtgtc cgagttcttc ctctacttgc tccagcaact cgcagatgcc 360
tacgtggacc tcaggccttg gctgctggag atcggcttct ccccttccct gctcactcag 420
agcaaagtcg tggtcaacac tgacccagtg agcaggtata cccagcagct gcgacaccat 480
ctgggccgtg actccaagtt cgtgctgtgc tatgcccaga aggaggagct gctgctggag 540
gagatctaca tggacaccat catggagctg gttggcttca gcaatgagag cctgggcagc 600
ctgaacagcc tggcctgcct cctggaccac accaccggca tcctcaatga gcagggacct 660
gctcttcaag cactactgct acccagagcg ggaccccgag gaggtgtttg ccttcctgct 720
gcgcttcccc cacgtggccc tcttcacctt cgatggcctg gacgagctgc actcggactt 780
ggacctgagc cgcgtgcctg acagctcctg cccctgggag cctgcccacc ccctggtctt 840
gctggccaac ctgctcagtg ggaagctgct caaggggct agcaagctgc tcacagcccg 900
cacaggcatc gaggtcccgc gccagttcct gcggaagaag gtgcttctcc ggggcttctc 960
ccccagccac ctgcgcgcct atgccaggag gatgttcccc gagcgggccc tgcaggaccg 1020
cctgctgagc cagctggagg ccaaccccaa cctctgcagc ctgtgctctg tgcccctctt 1080
ctgctggatc atcttccggt gcttccagca cttccgtgct gcctttgaag gctcaccaca 1140
gctgcccgac tgcacgatga ccctgacaga tgtcttcctc ctggtcactg aggtccatct 1200
gaacaggatg cagcccagca gcctggtgca gcggaacaca cgcagcccag tggagaccct 1260
ccacgccggc cgggacactc tgtgctcgct ggggcaggtg gcccaccggg gcatggagaa 1320
gagcctcttt gtcttcaccc aggaggaggt gcakgcctcc gggctgcagg agagagacat 1380
gcagctgggc ttyctgcggg ctttgccgga rctgggcccc ggrggtgacc agcagtycta 1440
tgagtttttc cacctcaccc tccaggcctt ctttacagcc ttcttcctcg tgctggacga 1500
cagggtgggc actcaggagc tgctcaggtt cttccaggag tggatgcccc ctgcgggggc 1560
agcgaccacg tcctgctatc ctcccttcct cccgttccag tgcctgcagg gcagtggtcc 1620
ggcgcgggaa gacctcttca agaacaagga tcacttccag ttcaccaacc tcttcctgtg 1680
cgggctgttg tccaaagcca aacagaaact cctgcggcat ctggtgcccg cggcagccct 1740
gaggagaaag cgcaaggccc tgtgggcaca cctgttttcc agcctgcggg gctacctgaa 1800
gagcctgccc cgcgttcagg tcgaaagctt caaccaggtg caggccatgc ccacgttcat 1860
ctggatgctg cgctgcatct acgagacaca gagccagaag gtggggcagc tggcggccag 1920
gggcatctgc gccaactacc tcaagctgac ctactgcaac gcctgctcgg ccgactgcag 1980
cgccctctcc ttcgtcctgc atcacttccc caagcggctg gccctagacc tagacaacaa 2040
caatctcaac gactacggcg tgcgggagct gcagccctgc ttcagccgcc tcactgttct 2100
cagactcagc gtaaaccaga tcactgacgg tggggtaaag gtgctaagcg aagagctgac 2160
caaatacaaa attgtgacct atttgggttt atacaacaac cagatcaccg atgtcggagc 2220
caggtacgtc accaaaatcc tggatgaatg caaaggcctc acgcatctta aactgggaaa 2280
aaacaaaata acaagtgaag gagggaagta tctcgccctg gctgtgaaga acagcaaatc 2340
aatctctgag gttgggatgt ggggcaatca agttggggat gaaggagcaa aagccttcgc 2400

agaggctctg cggaaccacc ccagcttgac caccctgagt cttgcgtcca acggcatctc 2460
cacagaagga ggaaagagcc ttgcgagggc cctgcagcag aacacgtctc tagaaatact 2520
gtggctgacc caaaatgaac tcaamgatga aktggcagag agtttggcag aaatgttgaa 2580
agtcaaccag acgttaaagc atttatggct tatccagaat cagatcacag ctaaggggac 2640
tgcccagctg gcagatgcgt tacagagcaa cactggcata acagagattt gcctaaatgg 2700
aaacctgata aaaccagagg aggccaaagt ctatgaagat gagaagcgga ttatctgttt 2760
ctgagaggat gctttcctgt tcaggggttt ttgccctgga gcctcagcag caaatgccac 2820
tctgggcagt cttttgtgtc agtgtcttaa aggggcctgc gcaggcggga ctatcaggag 2880
tccactgcct ccatgatgca agccagcttc ctgtgcagaa ggtctggtcg gcaaactccc 2940
taagtacccg ctacaattct gcagraaaag aatgtgtctt gcgagctgtt gtagttacag 3000
taaatacact gtgaagagac tttattgcct attataatta tttttatctg aagctagagg 3060
aataaagctg tgagcaaaca gaggaggcca gcctcacctc attccaacac ctgccatagg 3120
gaccaacggg agcgagttgg tcaccgctct tttcattgaa gagttgagga tgtggcacaa 3180
agttggtgcc aagcttcttg aataaaacgt gtttgatgga ttagtattat acctgaaata 3240
ttttcttcct tctcagcact ttcccatgta ttgatactgg tcccacttca cagctggaga 3300
caccggagta tgtgcagtgt gggatttgac tcctccaagg ttttgtggaa agttaatgtc 3360
aaggaaagga tgcaccacgg gcttttaatt ttaatcctgg agtctcactg tctgctggca 3420
aagatagaga atgccctcag ctcttagctg gtctaagaat gacgatgcct tcaaaatgct 3480
gcttccactc agggcttctc ctctgctagg ctaccctcct ctagaaggct gagtaccatg 3540
ggctacagtg tctggccttg ggaagaagtg attctgtccc tccaaagaaa tagggcatgg 3600
cttgcccctg tggccctggc atccaaatgg ctgcttttgt ctcccttacc tcgtgaagag 3660
gggaagtctc ttcctgcctc ccaagcagct gaagggtgac taaacgggcg ccaagactca 3720
ggggatcggc tgggaactgg gccagcagag catgttggac acccccccacc atggtgggct 3780
tgtggtggct gctccatgag ggtgggggtg atactactag atcacttgtc ctcttgccag 3840
ctcatttgtt aataaaatac tgaaaacaca aaaaaaaaaa aaaaaaaaaa aaa 3893

<210> 2077
<211> 3233
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3231)
<223> n equals a,t,g, or c

<400> 2077
ctttctccac tcaagcttta tgcacaagtc tgcagatatg acctaggtcc ttatcttgct 60
tccctgccat tggacagctc tctactttyc cagccaaatt tagttgcccc tacaagtcag 120
tctttgatta ctccacctca gatgacaaat actggaaatg ctaatactcc atctgccacc 180
ttagcatctg cagcgagcag cactatgaca gtgacttcag gtgttgccat atctacttca 240
gttgccacag ctaattcaac tttgaccaca gcttcaactt catcttcatc atcctccaac 300
ttgaatagtg gagtatcatc aaataaacta ccttcgtttc caccctttgg cagtatgaac 360
agtaatgctg caggatccat gtctacacaa gcaaatacag ttcagagtgg tcagctagga 420
gggcaacaga catcagctct acagacagct gggatttctg gagaatcatc ttcacttccc 480
actcagccgc atcctgatgt gtctgaaagc acgatggatc gggataaagt gggaatcccc 540

acagatggtg attcacatgc agtcacgtat ccacctgcaa ttgttgktta tataattgat 600
ccttttacat acgaaaatac agacgagagc actaactctt ctagtgtgtg gacattgggg 660
ctacttcgat gctttctaga aatggtccag actcttcctc ctcatatcaa gagtactgtt 720
tctgtacaga ttattccttg tcagtacctg ttgcaacctg tgaagcatga agatagagaa 780
atctatcccc agcatttaaa atccctggct ttttcggcct ttacccagtg tcggaggcca 840
cttccaacat caaccaatgt gaaaacattg actggctttg gtccaggttt agccatggaa 900
actgcccttа gaagtcctga tagaccagag tgtattcgac tttatgcacc tccttttatt 960
ctggctccag tgaaggacaa acagacagag ctaggagaaa catttggaga agctggacag 1020
aaatataatg ttctttttgt gggatactgt ttatcacatg atcaaaggtg gattcttgca 1080
tcttgcacag atctatatgg agaacttttа gaaacttgta tcattaacat cgatgttcca 1140
aatagggctc gtcggaaaaa aagttctgct agaaaatttg gtctacagaa actttgggag 1200
tggtgcttag gacttgtaca aatgagttca ttgccatgga gagttgtaat tggtcgtcta 1260
ggaaggattg gtcatggaga attgaaagat tggagctgtt tgctgagtcg tcgaaacttg 1320
cagtctctaa gtaaaaggct caaagacatg tgtagaatgt gtggkatatc tgctgcagac 1380
tcccctagca ttctcagtgc ttgcttggtg gcaatggagc cgcaaggctc ttttgttatt 1440
atgccagatt ctgtgtcaac tggttctgta tttggaagaa gcacgactct aaatatgcag 1500
acatctcagc taaatacccc acaggataca tcatgtactc atatacttgt gtttcctact 1560
tctgcttctg tgcaagtagc ttcagctact tataccactg aaaatttgga tttagctttc 1620
aatcccaaca atgatggagc agatggaatg ggtatctttg atttgttaga cacaggagat 1680
gatcttgacc ctgatatcat taatatcctt cctgcttctc caactggttc tcctgtacat 1740
tctccaggat ctcattaccc ccatggaggt gatgcgggca agggtcagag tactgatcgg 1800
ctactatcaa cagaacctca tgaggaagta cctaatattc ttcagcaacc attggccctt 1860
ggttactttg tatcaactgc caaagcaggt ccattacctg actggttctg gtcagcatgt 1920
cctcaagcac aatatcagtg tccccttttt cttaaggcct ctttgcacct ccacgtgcct 1980
tcagtgcaat ctgacgagct gcttcacagt aaacactccc acccacttga ctcaaatcag 2040
acttcagatg tcctcaggtt tgttttggaa cagtacaatg cactctcctg gctaacctgt 2100
gaccctgcaa cccaggacag acgctcatgt ctcccaattc attttgtggt gctgaatcag 2160
ttatataact ttattatgaa tatgctgtga tcttcatttg atggaactgt gcaagaaaag 2220
aacaaggaaa aatggatgtt tcgctgcagg attaagttac aattatcttc tcagtgaagg 2280
tcatttgtga tggggtctaa ttcttattac ttcaacaaat attgttttga cttgggggga 2340
ggggctataa ccctgctatt tttcattgac tctattgaac tctttaggat gatgactgat 2400
catacaaaac gtattataac attttcgtag caaaattaac ctttttttt tccagtcaca 2460
gtatttgtga aaagtaatga gccatagtac ccagtcatgt taaatgaata ttaaaagcat 2520
ggagaggaaa catgaggaac aatgaatttc aacatatggc ttcagaacat gaagatgttc 2580
ttgtatggat tatagtatct agtattcaaa aatgcctgca tctcttctct tatttattgt 2640
aagtttttaa atgtataaat tgtcttatat ttcttaacct cttttataaa aattttccta 2700
gaaggtttat actgccttct tgctttaaag caattggtct aaaatatatg taatcgtctt 2760
aattaaaaag ttgcagtagg gttgctttta gagtattatt tttttgtaag ggggtgggtg 2820
ggacagtaaa tttgtattgt ctcgatgtac agtttaacgg ggatagaggg ggaataatgt 2880
ccataccatt gtgtgtggag gatttacagc taagctgtag ttgcagagta catgtacagt 2940
aatgaagttc actgtgttta taaattgaaa aggtaccagg tcttacagca ttttatatat 3000
cacatcttta cagaataaca tgatggcaat atacaagtgg tattgttagg tggtttaact 3060
tagaataaaa tgagaattct tcagttatat tttgtactat ggtttagggc tatgactaat 3120
atttcaggcc atttccggtg aaagaaactt agttttacaa gaaaaaccat ttgctactga 3180
atgcttaaac taattttagt gwwtaatgtg gcgacgtcca aacntagttc ntt 3233

<210> 2078
<211> 2981
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2916)
<223> n equals a,t,g, or c

<400> 2078
gtcagcctca cgcggcggga aggaaccggt ccgaggcccc gggctgccgg cgcgggcgcc 60
cggcacgtcc acaggctggg tcgcgaggtg gcgatcgctg agaggcagga gggccgaggc 120
gggcctggga ggcggcccnn ggtggggcgc cgctggggcc ggcccgcacg gcttcatctg 180
agggcgcacg gcccgcgacc gagcgtgcgg actggcctcc caagcgtggg gcgacaagct 240
gccggagctg caatgggccg cggctgggga ttcttgtttg gcctcctggg cgccgtgtgg 300
ctgctcagct cgggccacgg agaggagcag cccccggaga cagcggcaca gaggtgcttc 360
tgccaggtta gtggttactt ggatgattgt acctgtgatg ttgaaaccat tgatagattt 420
aataactaca ggcttttccc aagactacaa aaacttcttg aaagtgacta ctttaggtat 480
tacaaggtaa acctgaagag gccgtgtcct ttctggaatg acatcagcca gtgtggaaga 540
agggactgtg ctgtcaaacc atgtcaatct gatgaagttc ctgatggaat taaatctgcg 600
agctacaagt attctgaaga agccaataat ctcattgaag aatgtgaaca agctgaacga 660
cttggagcag tggatgaatc tctgagtgag gaaacacaga aggctgttct tcagtggacc 720
aagcatgatg attcttcaga taacttctgt gaagctgatg acattcagtc ccctgaagct 780
gaatatgtag atttgcttct taatcctgag cgctacactg gttacaaggg accagatgct 840
tggaaaatat ggaatgtcat ctacgaagaa aactgtttta agccacagac aattaaaaga 900
cctttaaatc ctttggcttc tggtcaaggg acaagtgaag agaacacttt ttacagttgg 960
ctagaaggtc tctgtgtaga aaaaagagca ttctacagac ttatatctgg cctacatgca 1020
agcattaatg tgcatttgag tgcaagatat cttttacaag agacctggtt agaaaagaaa 1080
tggggacaca acattacaga atttcaacag cgatttgatg gaattttgac tgaaggagaa 1140
ggtccaagaa ggcttaagaa cttgtatttt ctctacttaa tagaactaag ggctttatcc 1200
aaagtgttac cattcttcga gcgcccagat tttcaactct ttactggaaa taaaattcag 1260
gatgaggaaa acaaaatgtt acttctggaa atacttcatg aaatcaagtc atttcctttg 1320
cattttgatg agaattcatt ttttgctggg gataaaaaag aagcacacaa actaaaggag 1380
gactttcgac tgcattttag aaatatttca agaattatgg attgtgttgg ttgttttaaa 1440
tgtcgtctgt ggggaaagct tcagactcag ggtttgggca ctgctctgaa gatcttattt 1500
tctgagaaat tgatagcaaa tatgccagaa agtggaccta gttatgaatt ccatctaacc 1560
agacaagaaa tagtatcatt attcaacgca tttggaagaa tttctacaag tgtgaaagaa 1620
ttagaaaact tcaggaactt gttacagaat attcattaaa gaaaacaagc tgatatgtgc 1680
ctgtttctgg acaatggagg cgaaagagtg gaatttcatt caaaggcata atagcaatga 1740
cagtcttaag ccaaacattt tatataaagt tgcttttgta aaggagaatt atattgtttt 1800

aagtaaacac atttttaaaa attgtgttaa gtctatgtat aatactactg tgagtaaaag 1860
taatacttta ataatgtggt acaaatttta aagtttaata ttgaataaaa ggaggattat 1920
caaattcata tatgataaaa gtgaatgttc taagtctctc aaactagcgt tttatgtaat 1980
aatatgtaat ataaataaaa ctatggtaaa tgtgacaagc atttaatagg aaaatgctaa 2040
ggaggcctca taaatgaccc ataattacca acgtagaatt tttcagtaca tttagggttg 2100
ctggatttag caaataaaaa taaggattgc ccagttagat ttgaatttca gataaacaat 2160
tagtttttta atattttaca tggaatattt ggaaaatact tatactaaaa aattrtttgt 2220
ttgaaattca aatttaactg ggagtcttgt attttatctg gcaatcctaa aatacattgg 2280
tatgaaacaa atcactttta gaagtatatt gctattttga ttgggttgtt tttgtgtgta 2340
gaaacgtaca ataacaactc aaaggcacag gagatttcta aacattgtga aaagttgaat 2400
agattatata tttattctca taatactttc actaatacta aataaaattt ggggaacact 2460
ttttattttt atataatttc caatttacag aaaagtttca aaaatagtac aaagagctct 2520
cttacccaga ttcactaatt gttcatacgt gctttatctt tcatgctttc tctgtacaca 2580
cacacacaca cacaaatttt tcctcaatca tttgaaagtc agttataggc atcatgcccc 2640
ttaaacccta aatacttcag tgtgtaatac tgaataatta ctaaaaatga ttttctcara 2700
aaaaaaaaay tcccacaatt ctggaactat aatactgtaa gccttagaat aaataatact 2760
ttcaagttca atctaaagkt ctttttgagk tttggtgccg gtttawgctt gatgggnata 2820
gtaatagggt arggctattt watttwataa aaatttttt wagagacaag ggtttgctgg 2880
ggtggccaac tggacctgga ccgactgggc tgaagngatc ttccacttag cttccaagta 2940
gctgggaaaa caggggctgc cccataccag gttcaatttg g 2981

<210> 2079
<211> 2458
<212> DNA
<213> Homo sapiens

<400> 2079
cggccacgaa ccgcgtagtt gcgcccaccc cgggacccgg gacccctgcs gagcgccacg 60
ccgacggctt ggcgctcgcc ctggagcctg ccctggcgtc ccccgcgggc gccgccaact 120
tcttggccat ggtagacaac ctgcaggggg actctggccg cggctactac ctggagatgc 180
tgatcgggac ccccccgcag aagctacaga ttctcgttga cactggaagc agtaactttg 240
ccgtggcagg aaccccgcac tcctacatag acacgtactt tgacacagag aggtctagca 300
cataccgctc caagggcttt gacgtcacag tgaagtacac acaaggaagc tggacgggct 360
tcgttgggga agacctcgtc accatcccca aaggcttcaa tacttctttt cttgtcaaca 420
ttgccactat ttttgaatca gagaatttct ttttgcctgg gattaaatgg aatggaatac 480
ttggcctagc ttatgccaca cttgccaagc catcaagttc tctggagacc ttcttcgact 540
ccctggtgac acaagcaaac atccccaacg ttttctccat gcagatgtgt ggagccggct 600
tgcccgttgc tggatctggg accaacggag gtagtcttgt cttgggtgga attgaaccaa 660
gtttgtataa aggagacatc tggtataccc ctattaagga agagtggtac taccagatag 720
aaattctgaa attggaaatt ggaggccaaa gccttaatct ggactgcaga gagtataacg 780
cagacaaggc catcgtggac agtggcacca cgctgctgcg cctgccccag aaggtgtttg 840
atgcggtggt ggaagctgtg gcccgcgcat ctctgattcc agaattctct gatggtttct 900
ggactgggtc ccagctggcg tgctggacga attcggaaac accttggtct tacttcccta 960
aaatctccat ctacctgaga gacgagaact ccagcaggtc attccgtatc acaatcctgc 1020
ctcagcttta cattcagccc atgatggggg ccggcctgaa ttatgaatgt taccgattcg 1080
gcatttcccc atccacaaat gcgctggtga tcggtgccac ggtgatggag ggcttctacg 1140
tcatcttcga cagagcccag aagagggtgg gcttcgcagc gagcccctgt gcagaaattg 1200
caggtgctgc agtgtctgaa atttccgggc ctttctcaac agaggatgta gccagcaact 1260
gtgtccccgc tcagtctttg agcgagccca ttttgtggat tgtgtcctat gcgctcatga 1320
gcgtctgtgg agccatcctc cttgtcttaa tcgtcctgct gctgctgccg ttccggtgtc 1380
agcgtcgccc ccgtgaccct gaggtcgtca atgatgagtc ctctctggtc agacatcgct 1440

ggaaatgaat agccaggcct gacctcaagc aaccatgaac tcagctatta agaaaatcac 1500
atttccaggg cagcagccgg gatcgatggt ggcgctttct cctgtgccca cccgtcttca 1560
atctctgttc tgctcccaga tgccttctag attcactgtc ttttgattct tgattttcaa 1620
gctttcaaat cctccctact tccaagaaaa ataattaaaa aaaaaacttc attctaaacc 1680
aaaacagagt ggattgggct gcaggctcta tggggttygt tatgccaaag tgtctacatg 1740
tgccaccaac ataaaacaaa accaagcctt ggctcgttct cttctctctt caatctctgg 1800
aaaaataagt acatatagtt gataacccct cttagcttac aggaagcttt ttgtattaat 1860
tgcctttgag gttatttttcc gccagacctc aacctgggtc aaagtggtac aggaaggctt 1920
gcagtatgat ggcaggagaa tcagcctggg gcctggggat gtaaccaagc tgtacccttg 1980
agacctggaa ccagagccac aggccccttt tgtgggtttc tctgtgctct gaatgggagc 2040
cagaattcac taggaggtca tcaaccgatg gtcctcacaa gcctcttctg aagatggaag 2100
gccttttgcc cgttgaggta gaggggaagg aaatctcctc ttttgtaccc aatacttatg 2160
ttgtattgtt ggtgcgaaag taaaaacact acctcttttg agactttgcc cagggtcctg 2220
tgcctggatg ggggtgcagg cagccttgac cacggctgtt cccctcaccc aaaagaatta 2280
tcatcccaac agccaagacc caacaggtgc tgaactgtgc atcaaccagg aagagttcta 2340
tccccaagct ggccactatc acatatgctt actcttgctt aaaattaata aatcatgttt 2400
tgatgagaaa aaactaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 2458

<210> 2080
<211> 2650
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 2080
ncngacagtn accggtccga attcgcggcc ggtcgaccgg ncaaggctgg agagcgcagg 60
tgttcccgga ccccctggcg ctgtcggtcc tgctggcaaa gatggagagg ctggagctca 120

gggacccccc ggccctgctg gtcccgctgg cgagagaggt gaacaaggcc ctgctggctc 180
ccccggattc cagggtctcc ctggtcctgc tggtcctcca ggtgaagcag gcaaacctgg 240
tgaacagggt gttcctggag accttggcgc ccctggcccc tctggagcaa gaggcgagag 300
aggtttccct ggcgagcgtg gtgtgcaagg tccccctggt cctgctggtc cccgaggggc 360
caacggtgct cccggcaacg atggtgctaa ggtgatgctg gtgcccctgg agctcccggt 420
agccagggcg cccctggcct tcagggaatg cctggtgaac gtggtgcagc tggtcttcca 480
ggggcctaag ggtgacagaa gtgatgctgg tcccaaagtg ctgatggctc tcctggcaaa 540
gatggcgtnc gtggtctkam cggccccatt ggtcctcctg gccctgctgg tgcccctggt 600
gacaagggtg aaagtggtcc cagcggccct gctggtccca ctggagctcg tggtgccccc 660
ggagaccgtg gtgagcctgg tccccccggc cctgctggct ttgctggccc ccctggtgct 720
gacggccaac ctggtgctaa aggcgaacct ggtgatgctg gtgctaaagg cgatgctggt 780
ccccctggcc ctgccggacc cgctggaccc cctggcccca ttggtaatgt tggtgctcct 840
ggagccaaag gtgctcgcgg cagcgctggt cccctggtg ctactggttt ccctggtgct 900
gctggccgag tcggtcctcc tggcccctct ggaaatgctg gacccctgg ccctcctggt 960
cctgctggca aagaaggcgg caaaggtccc cgtggtgaga ctggccctgc tggacgtcct 1020
ggtgaagttg gtcccctgg tcccctggc cctgctggcg agaaaggatc ccctggtgct 1080
gatggtcctg ctggtgctcc tggtactccc gggcctcaag gtattgctgg acagcgtggt 1140
gtggtcggcc tgcctggtca gagaggagag agaggcttcc ctggtcttcc tggcccctct 1200
ggtgaacctg gcaaacaagg tccctctgga gcaagtggtg aacgtggtcc ccctggtccc 1260
atgggccccc ctggattggc tggacccct ggtgaatctg gacgtgaggg ggctcctggt 1320
gccgaagttc ccctggacga gacggttctc ctggcgccaa gggtgaccgt ggtgagaccg 1380
gccccgctgg acccctggt gctcctggtg ctcctggtgc ccctggcccc gttggccctg 1440
ctggcaagag tggtgatcgt ggtgagactg gtcctgctgg tcccgccggt cctgtcggcc 1500
ctgttggcgc ccgtggcccc gccggacccc aaggcccccg tggtgacaag ggtgagacag 1560
gcgaacaggg cgacagaggc ataaagggtc accgtggctt ctctggcctc cagggtcccc 1620
ctggccctcc tggctctcct ggtgaacaag gtccctctgg agcctctggt cctgctggtc 1680
cccgaggtcc ccctggctct gctggtgctc ctggcaaaga tggactcaac ggtctccctg 1740
gccccattgg gcccctggt cctcgcggtc gcactggtga tgctggtcct gttggtcccc 1800
ccggccctcc tggacctcct ggtccccctg gtcctcccag cgctggtttc gacttcagct 1860
tcctgcccca gccacctcaa gagaaggctc acgatggtgg ccgctactac cgggctgatg 1920
atgccaatgt ggttcgtgac cgtgacctcg aggtggacac caccctcaag agcctgagcc 1980
agcagatcga gaacatccgg agcccagagg gcagccgcaa gaaccccgcc cgcacctgcc 2040
gtgacctcaa gatgtgccac tctgactgga agagtggaga gtactggatt gaccccaacc 2100
aaggctgcaa cctggatgcc atcaaagtct tctgcaacat ggagactggt gagacctgcg 2160
tgtaccccac tcagcccagt gtggcccaga agaactggta catcagcaag aaccccaagg 2220
acaagaggca tgtctggttc ggcgagagca tgaccgatgg attccagttc gagtatggcg 2280
gccagggctc cgaccctgcc gatgtggcca tccagctgac cttcctgcgc ctgatgtcca 2340
ccgaggcctc ccagaacatc acctaccact gcaagaacag cgtggcctac atggaccagc 2400
agactggcaa cctcaagaag gccctgctcc tccagggctc caacgagatc gagatccgcg 2460
ccgagggcaa cagccgcttc acctacagcg tcactgtcga tggctgcacg agtcacaccg 2520
gagcctgggg caagacagtg attgaataca aaaccaccaa gacctcccgc ctgcccatca 2580
tcgatgtggc ccccttggac gttggtgccc cagaccagga attcggcttt tgaggggttt 2640
cagtttgggc 2650

<210> 2081
<211> 2302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (135)
<223> n equals a,t,g, or c

<400> 2081
gacgccggag ccctctgacc gcacctctga ccacaacaaa cccctactcc acccgtcttg 60
tttgtcccac ccttggtgac gcagagcccc agcccagacc ccgcccaaag cactcattta 120
actggtattg cggancacga ggcttctgct tactgcaact cgctccggcc gctgggcgta 180
gctgcgactc ggcggagtcc cggcggcgcg tccttgttct aacccggcgc gccatgaccg 240
tcgcgcggcc gagcgtgccc gcggcgctgc ccctcctcgg ggagctgccc cggctgctgc 300
tgctggtgct gttgtgcctg ccggccgtgt ggggtgactg tggccttccc ccagatgtac 360
ctaatgccca gccagctttg gaaggccgta caagttttcc cgaggatact gtaataacgt 420
acaaatgtga agaaagcttt gtgaaaattc ctggcgagaa ggactcagtg atctgcctta 480
agggcagtca atggtcagat attgaagagt tctgcaatcg tagctgcgag gtgccaacaa 540
ggctaaattc tgcatccctc aaacagcctt atatcactca gaattatttt ccagtcggta 600
ctgttgtgga atatgagtgc cgtccaggtt acagaagaga accttctcta tcaccaaaac 660
taacttgcct tcagaattta aaatggtcca cagcagtcga attttgtaaa aagaaatcat 720
gccctaatcc gggagaaata cgaaatggtc agattgatgt accaggtggc atattatttg 780
gtgcaaccat ctccttctca tgtaacacag ggtacaaatt atttggctcg acttctagtt 840
tttgtcttat ttcaggcagc tctgtccagt ggagtgaccc gttgccagag tgcagagaaa 900
tttattgtcc agcaccacca caaattgaca atggaataat tcaaggggaa cgtgaccatt 960
atggatatag acagtctgta acgtatgcat gtaataaagg attcaccatg attggagagc 1020
actctattta ttgtactgtg aataatgatg aaggagagtg gagtggccca ccacctgaat 1080
gcagaggaaa atctctaact tccaaggtcc caccaacagt tcagaaacct accacagtaa 1140
atgttccaac tacagaagtc tcaccaactt ctcagaaaac caccacaaaa accaccacac 1200
caaatgctca agcaacacgg agtacacctg tttccaggac aaccaagcat tttcatgaaa 1260
caaccccaaa taaaggaagt ggaaccactt caggtactac ccgtcttcta tctgggcaca 1320
cgtgtttcac gttgacaggt ttgcttggga cgctagtaac catgggcttg ctgacttagc 1380
caaagaagag ttaagaagaa aatacacaca agtatacaga ctgttcctag tttcttagac 1440
ttatctgcat attggataaa ataaatgcaa ttgtgctctt catttaggat gctttcattg 1500
tctttaagat gtgttaggaa tgtcaacaga gcaaggagaa aaaaggcagt cctggaatca 1560
cattcttagc acacctacac ctcttgaaaa tagaacaact tgcagaattg agagtgattc 1620
ctttcctaaa agtgtaagaa agcatagaga tttgttcgta tttagaatgg gatcacgagg 1680
aaaagagaag gaaagtgatt tttttccaca agatctgtaa tgttatttcc acttataaag 1740
gaaataaaaa atgaaaaaca ttatttggat atcaaaagca aataaaaacc caattcagtc 1800
tcttctaagc aaaattgcta aagagagatg aaccacatta taaagtaatc tttggctgta 1860
aggcattttc atctttcctt cgggttggca aaatatttta aaggtaaaac atgctggtga 1920
accaggggtg ttgatggtga taagggagga atatagaatg aaagactgaa tcttcctttg 1980
ttgcacaaat agagtttgga aaaagcctgt gaaaggtgtc ttctttgact taatgtcttt 2040
aaaagtatcc agagatacta caatattaac ataagaaaag attatatatt atttctgaat 2100
cgagatgtcc atagtcaaat ttgtaaatct tattcttttg taatatttat ttatatttat 2160
ttatgacagt gaacattctg attttacatg taaaacaaga aaagttgaag aagatatgtg 2220
aagaaaaatg tatttttcct aaatagaaat aaatgatccc atttttttggt aaaaaaaaaa 2280
aaaaaaaaaa aaaaaaaaaa aa 2302

<210> 2082
<211> 1958
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (1724)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1843)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1850)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1864)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1875)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1907)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1911)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1936)
<223> n equals a,t,g, or c

<400> 2082
tcaccaacca tgcaaatgtg aatgagggca tsgttcccay tkcgatgctg gttgccaacg 60
atcagatggc gctgggcgca atgcgcgcca ttaccgagtc cgggctgcgc gttggtgcgg 120
atatctcggt agtgggatac gacgataccg aagacagctc atgttatatc ccgccgttaa 180
ccaccatcaa acaggatttt cgcctgctgg ggcaaaccag cgtggaccgc ttgctgcaac 240
tctctcaggg ccaggcggtg aagggcaatc agctgttgcc cgtctcactg gtgaaaagaa 300
aaaccaccct ggcgcccaat acgcaaaccg cctctccccg cgcgttggcc gattcattaa 360
tgcagctggc acgacaggtt tcccgactgg aaagcgggca gtgagcgcaa cgcaattaat 420
gtgagttagc tcactcatta ggcaccccag gctttacact ttatgcttcc ggctcgtatg 480
ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa acagctatga ccatgattac 540
gccaagctct aatacgactc actataggga aagctggtac gcctgcaggt accggtccgg 600
aattcccggg tcgacccacg cgtccgaccg aaacggacac ggactgaatg ttacttttcc 660
tcctctccta agtggaaacg acttccaaac agttgaggaa ggcagtaatg tgaagttggt 720

ttgcaatgtg aaagccaacc cccaggctca aatgatgtgg tacaaaaaca gtagtctcct 780
cgatttagag aaaagccgtc accaaatcca acagacaagt gagtcttttc agctgtcaat 840
caccaaagtc gagaagcctg acaacggaac ctacagttgt attgcaaagt catctctgaa 900
aacggagagc ttggactttc acctgattgt taaagataaa actgtgggtg taccaataga 960
gcccattatt gctgcatgtg ttgtgatctt tctgacattg tgctttggac tgattgctag 1020
aagaaagaaa ataatgaagc tctgcatgaa ggataaagac cctcacagtg aaacagctct 1080
atgagaaagc tgagatgcca tcgaatacag agagagtttt gcatcaggac ctccacaatt 1140
tatgtagtcc catctgtatt tattgctatt attaaattca ctcctgtcac tcctgtttca 1200
ttaatcactt aacagtagtt gktaggacta atttgataca cttgtggaac atttttatgg 1260
aaagagctat taagaatgaa aagtaagatt ttgttaagtc ttctccttga agtatatgtt 1320
aattaattga gatttgttcc aaataggttg gtaatcattt actgtttagt gtgttttttt 1380
tctaggtagg agatacttgg gtctcacaaa ttggtgcaaa gccaaaaaaa aaaaaaaaag 1440
ggcggccgct ctagaggatc caagcttacg tacgcgtgca tgcgacgtca tagctcttct 1500
atagtgtcac ctaaattcaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 1560
cctggcgtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat 1620
agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg 1680
gacgcgccct gtagcggcgc attaagcgcg gcgggtgtgg tggntacgcg cagcgtgacc 1740
cgctacactt gccagcgccc tagcgcccgt cctttcgctt tcttcccttc ctttcttgcc 1800
acgttcgccc ggctttcccc gtcaagctct aaatcggggg ctnccttttan ggttcccatt 1860
tagngcttta ccggnacctt gaccccaaaa aaacttggat taagggngaa nggttcacgt 1920
aaatggggcc cattgnccct gatagaacgg gttttttc 1958

<210> 2083
<211> 1247
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1247)
<223> n equals a,t,g, or c

<400> 2083
tcgaaattaa ccctcactaa agggaacaaa agctggagct ccaccgcggt ggcggccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gagccgcgct cctgcctcct 120
gccccagcag gcaggaagaa tgggggctga cctctacctc ggtgctcaag agagaggccc 180
cagctggcag ggacccagaa gagcctggag atgttggtgc tggagacccc aactctgatc 240
agggactccc tgtgctgatg actcagggaa cagaggacct aaagggccca ggacaaaggt 300
gtgagaatga gccactgctg gaccctgttg gccctgagcc tctggggcct gagagtcagt 360
cagggaaggg agacatggtg gagatggcca cacggtttgg gtccaccctg cagctagacc 420
tggaaaaggg gaaggagagt ctgttggaga agaggctggt ggcagaggag gaagaggacg 480
aagaggaggt ggaagaggat ggccccagca gctgctcgga ggacgattac agtgagctgc 540
tgcaggagat cacagacaac ctgacgaaga aggagattca gatagagaag atccatttgg 600
acacrtcctc cttcrtggag gagctgcctg gagagaagga ccttgcccac gtggtagaga 660
tctatgactt tgaaccagcg ctcaagacgg aggacctgct ggcaacgttt tctgagttcc 720
aagagaaggg gttcaggatt cagtgggtgg atgatactca cgcactcggc atctttccct 780

gcckggcctc agctgcggaa gccctgaccc gggagttctc ggtgctcaag atccggcccc 840
tcacrcaggg aaccaagcag tcaaagctca aagccttgca gaggccaaaa ctcctgcgtc 900
tggtgaagga gaggccacag acaaatgcga ctgtggcccg gcggctggtg gcccgggccc 960
tgggactcca acacaaaaag aaagagcggc ctgctgtccg gggtccgctg ccgccctgag 1020
gcctggagac ccaactggcc tggatctgcg tcccgacgta gctggcgccc ccaacaccat 1080
aagccttcac agacgccaga gcagccccgc accaccctcg agcttcacca tggggtgtgg 1140
tgggctttag tttagtccca gaaatggaga aaaaataaaa actcacgttg ttctaatgtg 1200
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg gggnccn 1247

<210> 2084
<211> 2129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1705)
<223> n equals a,t,g, or c

<400> 2084
tagaactagt ggatcccccc ggsctgcagg aattccggtc gtcggtctgt gcattattgg 60
ctggttctgg tttagcccga cgctgtacgt tgattcctgg aatccgcatc atgcaccgtt 120
cttcagtgcg gtaggttctt ccatcgctat gacgctgtgg gcttttcttg gtctggagtc 180
tgcgtgtgcg aatactgatg tagtggaaaa cccggaacgt aatgtgccaa tcgcggtact 240
cggcggtacg ttaggtgcgg cggtgattta tatcgtctcc accaacgtga ttgccgggat 300
tgtgccaaat atggagctgg caaattcaac ggcaccattt ggtctggcct tcgcgcagat 360
gttcacgccg gaagtgggta aagtcattat ggcgctgatg gtgatgtcct gctgcggttc 420
gctacttggc tggcagttca ccattgccca ggtgtttaaa tcttcatctg atgaaggcta 480
cttccctaaa attttctccc gtgtaaccaa agtggatgca ccggtgcagg gaatgttgac 540
cattgtgatt attcagagtg gattggcact gatgaccatt agcccgtcgc taaacagtca 600
gttcaacgtg ctggttaacc tggccgtggc ttccagcgtt tcttcaaggc ggttgaaccg 660
aaatgggatc tgaaaacgga ytggcaaatc atcagtgaaa tcgccacccg tatgggttat 720
ccgatgcact acaacaacac ccaggagatc tgggatgagt tgcgtcatct gtgcccggat 780
ttctacggtg cgacttacga gaaaatgggc gaactgggct tcattcagtg gccttgccgc 840
gatacttcag atgccgatca ggggacttct tatctgttta aagagaagtt tgataccccg 900
aacggtctgg cgcagttctt cacctgcgac tgggtagcgc caatcgacaa actcaccgac 960
gagtacccga tggtactgtc aacggtgcgt gaagttggtc actactcttg ccgttcgatg 1020
accggtaact gtgcggyact ggcggcgctg gctgatgaac ctggctacgc acaaatcaat 1080
accgaagacg ccaaacgtct gggtattgaa gatgaggcat tggtttgggt gcactcgcgt 1140
aaaggcaaaa ttatcacccg kgcgcaggtc agcgatcgtc cgaacaaagg ggcgatttac 1200
atgacctacc agtggtggat tggtgcctgt aacgagctgg ttaccgaaaa cttaagcccg 1260
attacgaaaa cgccggagta caaatactgc gccgttcgcg tcgagccgat cgccgatcag 1320
cgcgccgccg agcagtacgt gattgacgag tacaacaagt tgaaaactcg cctgcgcgaa 1380
gcggcactgg cgtaataccg tcctttctac agcctccttt cggaggctgt ttttttatcc 1440
attcgaactc tttatactgg ttactcccta cccaatcgta ttatcaaaat gaaaaaaatt 1500
atcgcattga tgttgttttt gacattcttt gcccacgcca acgactccga gcctggcagc 1560
cagtatttaa aggcagcaga ggccggggac cgacgcgcac aatatttttct tgccgacagc 1620
tggtttagct ccggcgattt gagcaaagcc gaatattggg cacagaaagc cgccgacagc 1680
ggtgatgctg atgcctgcgc gctgntggcg cagatcaaaa tcaccaatcc ggtcagtctg 1740
gactatccac aagcaaaagt tcttgcagag aaagcggcgc aagcgggcag taaagaaggt 1800
gaagtaacgc tggcgcatat tctggtaaat actcaagcgg gtaaaccgga ttatccaaag 1860

gcaatttcgc tgttagaaaa cgcctcggaa gatctggaga acgactctgc cgtcgatgcc 1920
caaatgctgc ttggtttgat ttacgccaac ggcgtgggca ttaaggccga cgatgacaag 1980
gcaacctggt atttcaaacg cagctctgca atttcccgaa ccggttattc cgagtactgg 2040
gcgggcccgg tacccaattc gccctatagt gagtcgtatt acaattcact ggccgtcgtt 2100
ttacaacgtc gtgactggga aaacccagg 2129

<210> 2085
<211> 788
<212> DNA
<213> Homo sapiens

<400> 2085
ccacgcgtcc ggcatggtgg tgtgcacctg tattctcagc ctcccaagta gctgggatta 60
cagtcaggca ccaccacacc cggctaattt tgtatttttt tagtagagac agggtttctc 120
catgtcggtc agggtagtcc cgaactcctg acctcaagtg atctgcctgc ctcggcctcc 180
caagtgctgg gattacaggc gtgagccact gcacccagcc tagaatcttg tataatatgt 240
aattgtaggg aaactgctct cataggaaag ttttctgctt tttaaataca aaaatacata 300
aaaatacata aaatctgatg atgaatataa aaaagtaacc aacctcattg gaacaagtat 360
taacattttg gaatatgttt tattagtttt gtgatgtact gttttacaat ttttaccatt 420
tttttcagta attactgtaa aatggtatta ttggaatgaa actatatttc ctcatgtgct 480
gatttgtctt atttttttca tactttccca ctggtgctat ttttatttcc aatggatatt 540
tctgtattac tagggaggca tttacagtcc tctaatgttg attaatatgt gaaaagaaat 600
tgtaccaatt ttactaaatt atgcagttta aaatggatga ttttatgtta tgtggatttc 660
atttcaataa aaaaaaactc ttatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaa 788

<210> 2086
<211> 1350
<212> DNA
<213> Homo sapiens

<400> 2086
agtgggcggg ccatttcttg ttctctctcc cgctctcgga agctttcgtc tcgtgggtgc 60
gaaaggtaac cgaagcggct caggaaggca gctgtcactg agcccctgga acagagcgag 120
agtatcgtaa gtaaccaggc tcagccggtt tctcaggccg ctctagtcaa ataaaccata 180
aagatcagac tcgggcttct tcacttcctt ctctccgtgg tttcgccatt agcttccggt 240
tccggggagg ggccgagttt tcttcgaaga tttggggctc cgcgatacag ttaggatggc 300
tgtagtacct ctgctgttgt tgggggggttt gtggagcgct gtgggagcgt ccagcctggg 360
tgtcgttact tgcggctccg tggtgaagct actcaatacg cgccacaacg tccgactgca 420
ctcacacgac gtgcgctatg ggtcaggtag tgggcagcag tcagtgacag gtgtaacctc 480
tgtggatgac agcaacagtt actggaggat acgggggaag agtgccacag tgtgtgagag 540
gggaaccccc atcaagtgtg gccagcccat ccggctgaca catgtcaaca ctggccgaaa 600
cctccatagt caccacttca cttcacctct ttctggaaac caggaagtga gtgcttttgg 660
tgaggaaggt gaaggtgatt atctggatga ctggacagtg ctctgtaatg gaccctactg 720
ggtgagagat ggtgaggtgc ggttcaaaca ctcttccact gaggtactgc tgtctgtcac 780
aggagaacaa tatggtcgac ctatcagtgg gcaaaaagag gtgcatggca tggcccagcc 840
aagtcagaac aactactgga aagccatgga aggcatcttc atgaagccca gtgagttgtt 900
gaaggcagaa gcccaccatg cagagctgtg aatctagagg ctctgagcca ctgttaacgc 960
acaatgttca cagacatctg ttgctgcctc accttgggat ccctgccaca agttccttgg 1020
gcagtggcca tgtcaccatt gagatgaaga tatacaacag aaaatagtgg ctgtgtttgg 1080

aagcttcagc cctgcacatt tgaactagtc actctcccag acttgcgtgg gtcagttctt 1140
tctgagtaga ggacttgctg gtaaaggggc agatgctttt tattagtact gataaaacaa 1200
actgagggaa acatccctct tagctgggaa acttttactc ttcaggagct tggcatcatg 1260
gactgttaat gtatgtgatt ttccccctat tttctctctc caaaatgata aaaacaataa 1320
ttttaaaaaa aaaaaaaaaa aaactcgagg 1350

<210> 2087
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 2087
ggggtgtggt agtatccatt gttttaatta gcatttctct agtgatatag ggtgttaagc 60
tccatttcat gttttttttnt tttctctatt atctttggtg atacatntgn tcagattttt 120
tgctnttttt taagattttt tctttattgt gtgntaagag ttcttggtat attttagata 180
ccagtccttt ataagatgtg tttgacaaat attttctcct agtctgtggc ttgtcttttc 240
atttttttta aacagtgttt tacagagaag aaaaattttc aatttttaatg aagtctacct 300
tatcaatttt ttctttatgg gtcatgattt tcgtgctgtg tttacaaata tattgccaaa 360
caagattttc ttcctcatta tctacaagtt ttacagtttt gaattgtatg tataggtctg 420
tgatactttc tgagttaact tttgtgaaag ataaaaggtc agtgttggat agattatttt 480
tccttttgca tgtggttgtc cagcaccatg aagactcttc cttctccact gaattgtctt 540
tgtacttttg ccaaagatca gatttacctc ttaaatcttt gtcaaacctg tccacttctc 600
accatctcca ttttcaatct cttcggacgc gtgggcggac gcgtgggtcg acccgggaat 660
tccggaccgg tacctgcagg cgtaccagct ttccctatag tgagtcgtat tagagc 716

<210> 2088

<211> 1424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1415)
<223> n equals a,t,g, or c

<400> 2088
gaattcggca cgagtggcta tatatttctt cacttgcaat tgcctcatgg ggttcttata 60
aggctgaaat ccaataacgg atacaaaaat actttaaaaa gtaggcatgg atttctactg 120
acagccatga gagagtttct agaactagac ctggatggcc ccaaacaact agaaaattgg 180
acaaaagata taaaaaaaaa actgttttca accattggac agtagtcagc ataggactct 240
tatctttgag agaaggggca aaaacaagat gatccctata agcttcctta atttcttttt 300
tttctttttt tgagacgctg tctccaaaac aaaacaaaag aataggacaa tctcgtattt 360
cctctatcta gactcaacaa ttcttaatat ttgctttatc cctgtctttc tacacatgca 420
tacacataca cacacacagg catacataat tgcatattta cagggtgttt ttgctgatct 480
atttgaaagt aagtttcaga cattatgaca cctactccta attcctcatg ttttttctaa 540
gaataaggat attatcttac ctaacatatc ttttatcaaa cctacaaaaa ttaacaattt 600
tatatctaat attagttcat gtttaggttt tgcctgtttt cccccaaatg tcttttacag 660
tacatgtttt taaaaccagg atctaaggag ttcacagatt atatttggtt attatgtctc 720
tttagtgtct tttggcatcc ttgggttttc tacttttatc ccccatgaca ctgactattg 780
gaagagtcca gaccaatttt ctatttgatt gcttccytgt gtgtatcatt taatttgttc 840
ctctatctca tgtgtttctt gtaaactgaa agttaggtgt agagattgag tctaaatatt 900
tttggcaagt atatgtcgta ggtaacattt gtgctttata ctgcatcata ttgggagata 960
aataatatta tattgccatc tctgttagtg cagccattag aaagacattg tgcctatgtc 1020
tgtctctttg ctgtgtttgg tatctgttga gagccatatt tttataaaaa tcttaaagca 1080
ttgtcctctg tgaagaaaat atattagaaa aattacactt gacagtataa gaattgttga 1140
tttgaataaa tacatgattt ttagaagaca tatgtatgac cagcaggaat agtagcctaa 1200
taggcctttg tttgggacag aatacacttc agatcatcca gaaatctaaa atcaggcctg 1260
tgtgcctttg actggtatct tccatgtggt gttgaagagt ttgagaattt aaaagaaaat 1320
gaattaatac taagcaagac acacttttt ctttgttcct taaaaaaaaa aaaaaaaaar 1380
actcgagggg nccttggta cccganctca agggngcata gtcg 1424

<210> 2089
<211> 1226
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1224)
<223> n equals a,t,g, or c

<400> 2089
ggcacgagcg gcggtggtca atgcgttcta ctccccaaac cgaaaccaga ttgtattccc 60
tgccgggatc ctccagcccc ccttcttcag caaggagcag ccacaggcct tgaactttgg 120
aggcattggg atggtgatcg ggcacgarat cacgcacggc tttnacgaca atggccggaa 180
cttcgacaag aatggcaaca tgatggattg gtggagtaac ttctccaccc agcacttccg 240
ggagcagtca gagtgcatga tctaccagta cggcaactac tcctgggact ggcagacgaa 300
cagaacgtga gcgctgccac cagcacccag gctgcggggg taccggagcc cyagccctgg 360
ccctgaggga gagggaagtc agggccgggg ctgccccaat cctgtctcct gtgcgcagtg 420
aacggattca acacccttgg ggaaaacatt gctgacaacg gaggggtgcg gcaagcctat 480
aaggcctacc tcaagtggat ggcagagggt ggcaaggacc agcagctgcc cggcctggat 540
ctcacccatg agcagctctt cttcatcaac tatgcccagg tgtggtgcgg gtcctaccgg 600
cccgagttcg ccatccaatc catcaagaca gacgtccaca gtcccctgaa gtacagggta 660
ctggggtcgc tgcagaacct ggccgccttc gcagacacgt tccactgtgc ccggggcacc 720
cccatgcacc ccaaggagcg atgccgcgtg tggtagccaa ggccctgccg cgctgtgcgg 780
cccacgccca cccgctgctc ggaggcatct gtgcgaaggt gcagctagcg gcgacccagt 840
gtacgtcccg ccccggccaa ccatgccaag cctgcctgcc aggcctctgc gcctggccta 900
gggtgcagcc acctgcctga cacccaggga tgagcagtgt ccagtgcagt acctggaccg 960
gagcccccctc cacagacacc cgcggggctc agtgcccccg tcacagctct gtagagacaa 1020
tcaactgtgt cctgcccacc ctccaaggtg cattgtcttc cagtatctac agcttcagac 1080
ttgagctaag taaatgcttc aaagaaaaaa aaaaaaaaac tcgaggggggg ccggacccaa 1140
tygccttagg agcgatacat tcattggcgc gttwaacgcn gactggaaac ctgggtncca 1200
cttatcgctt gaganatccc nttnca 1226

<210> 2090
<211> 1632
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1602)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1616)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1628)
<223> n equals a,t,g, or c

<400> 2090
ggcctgtggc tgtnggccgc gtgcgggtga ccgccgaggg ccgaracatg gttctgcaga 60
cgaccaaggg gctgcggctt ctctttgatg gcgatgccca cctcctcatg tccatcccca 120
gcccttccg tggacggctc tgtggcctct gtgggaactt caatggcaac tggagtgacg 180
actttgtcct gcccaatggc tcagcagcgt ccagtgtgga gaccttcggg gctgcatggc 240
gggygcccgg ctcctccaag ggctgtggcg agggctgcgg gccccaaggc tgcccagtgt 300
gcttggcaga ggagactgca ccctatgaga gcaacgaggc ctgcgggcag ctccggaacc 360
cccagggccc cttcgcgacc tgccaggcgg tgctgagtcc ctctgagtac ttccgccaat 420
gcgtatacga cctgtgcgcg caaaagggtg acaaagcctt cctgtgccgc agcctggcag 480
cctacacggc ggcctgtcag gcagctggcg tggccgtgaa gccctggagg acagacagct 540
tctgcccgct ccattgcccc gcccacagcc actactccat ctgcactcgc acctgccagg 600
gatcctgtgc ggctctctcc ggcctcacgg gctgcaccac ccgctgtttt gagggctgtg 660
agtgcgacga ccgyttcctg ctttcccagg gtgtctgcat ccctgtccaa gattgtggct 720
gcacccataa tggccgatac ttgccggtaa actcctccct gctgacctca gactgcagcg 780
agcgctgttc ctgttcctca agctctggcc tgacatgcca ggcagctggc tgcccaccag 840
gccgtgtatg tgaggtcaag gctgaagccc ggaactgctg ggccacccgt ggtctctgtg 900
tcctgtctgt gggtgccaac ctcaccacct ttgatggggc ccgtggtgcc accacctctc 960
ctggtgtcta tgagctctct tcccgctgcc caggactaca gaataccatc ccctggtacc 1020
gtgtagttgc cgaagtccag atctgccatg gcaaaacgga ggctgtgggc caggtccaca 1080
tcttcttcca ggatgggatg gtgacgttga ctccaaacaa gggtgtgtgg gtgaatggtc 1140

tccgagtgga tctcccagct gagaagttag catctgtgtc cgtgagtcgt acacctgatg 1200
gctccctgct agtccgccag aaggcagggg tccaggtgtg gcttggagcc aatgggaagg 1260
tggctgtgat tgtcagcaat gaccatgctg ggaaactgtg tggggcctgt ggaaactttg 1320
acggggacca gaccaatgat tggcatgact cccaggagaa gccagcgatg gagaaatgga 1380
gagcgcagga cttctcccca tgttatggct gatcagtcat ccaccaggaa cgaagatttc 1440
ctgaagaaga cctggtccct ctggaggttg crgtggctga aggatgcatc atgtgctcct 1500
accctgctct accgcttttc tgggtcacag aggccaaatg tgagagcatt gaataaatat 1560
cttaagctaa aaaaaaaaaa raaaaagggc cgataagggc anagggccct tggcanngag 1620
attcccgntt cc 1632

<210> 2091
<211> 2429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2406)
<223> n equals a,t,g, or c

<400> 2091
tcgccagctc gaaattaacc ctcactaaag ggaacaaaag ctggagctcc accgcggtgg 60
cggccgctct agaactagtg gatcccccgg gctgcaggaa ttcggcacga gtaactgcaa 120
tctggaagat ttggataatt ggacagcact tatatctgca tcgaaagaag ggcatgtgca 180
catcgtagag gaactactga aatgtggggt taacttggag caccgtgata tgggaggatg 240
gacagctctt atgtgggcat gttacaaagg ccgtactgac gtagtagagt tgcttctttc 300
tcatggtgcc aatccaagtg tcactggtct gtacagtgtt tacccaatca tttgggcagc 360
agggagaggc catgcagata tagttcatct tttactgcaa aatggtgcta aagtcaactg 420
ctctgataag tatggaacca ccccttttagt ttgggctgca cgaaagggtc atttggaatg 480
tgtgaaacat ttattggcca tgggagctga tgtggatcaa gaaggagcta attcaatgac 540
tgcacttatt gtggcagtga aaggaggtta cacacagtca gtaaaagaaa ttttgaagag 600

gaatccaaat gtaaacttaa cagataaaga tggaaataca gctttgatga ttgcatcaaa 660
ggagggacat acggagattg tgcaggatct gctcgacgct ggaacatatg tgaacatacc 720
tgacaggagt ggggatactg tgttgattgg cgctgtcara ggtggtcatg ttgaaattgt 780
tcgagcgctt ctccaaaaat atgctgatat agacattaga ggacaggata ataaaactgc 840
tttgtattgg gctgttgaga aaggaaatgc aacaatggtg agagatatct tacagtgcaa 900
tcctgacact gaaatatgca caaaggatgg tgaaacgcca cttataaagg ctaccaagat 960
gagaaacatt gaagtggtgg agctgctgct agataaaggt gctaaagtgt ctgctgtaga 1020
taagaaagga gatactycct tgcatattgc tattcgtgga aggagccgga aactggcaga 1080
actgctttta agaaatccca aagatgggcg attactttat aggcccaaca aagcaggcga 1140
gactccttat aatattgact gtagccatca gaagagtatt ttaactcaaa tatttggagc 1200
cagacacttg tctcctactg aaacagacgg tgacatgctt ggatatgatt tatatagcag 1260
tgccctggca gatattctca gtgagcctac catgcagcca cccatttgtg tggggttata 1320
tgcacagtgg ggaagtggga aatctttctt actcaagaaa ctagaagacg aaatgaaaac 1380
cttcgccgga caacagattg agcctctctt tcagttctca tggctcatag tgtttcttac 1440
cctgctactt tgtggagggc ttggtttatt gtttgccttc acggtccacc caaatcttgg 1500
aatagcagtg tcactgagct tcttggctct cttatatata ttctttattg tcatttactt 1560
tggtggacga agagaaggag agagttggaa ttgggcctgg gtcctcagca ctagattggc 1620
aagacatatt ggatatttgg aactcctcct taaattgatg tttgtgaatc cacctgagtt 1680
gccagagcag actactaaag ctttacctgt gaggtttttg tttacagatt acaatagact 1740
gtccagtgta ggtggagaaa cttctctggc tgaaatgatt gcaaccctct cggatgcttg 1800
tgaaagagag tttggctttt tggcaaccag gctttttcga gtattcaaga ctgaagatac 1860
tcagggtaaa aaaaaaaaaa aaaactcgag gggggggccg gtacccaatt cgccctatag 1920
tgagtcgtat tacaattcac tggccgtcgt tttacaacgt cgtgactggg aaaaccctgg 1980
cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc gtaatagcga 2040
agaggcccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg aatggcaaat 2100
tgtaagcgtt aatattttgt taaaattcgc gttaaatttt tgttaaatca gctcattttt 2160
taaccaatag gccgaaatcg gcaaaatccc ttataaatca aaagaataga ccgagatagg 2220
gttgagtgtt ggtccagttt ggaacaagag tccactatta aagaacgtgg acttcaacgt 2280
caaaagggcg aaaaacccgt ntatcanggc gatggcccac tacgtggaac cattaccctt 2340
aatcaaggtt tttttggggg tcnaaggtgc ccntaaaggc acttaaaatc ggggaccccc 2400
ttaaanggga gccccccccga ttttaaaaa 2429

<210> 2092
<211> 902
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (834)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (864)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (894)
<223> n equals a,t,g, or c

<400> 2092
tctaatacga ctcactatag ggaaagctgg tacgcctgca ggtaccggtc cggaattccc 60
gggtcgaccc acgcgtccgc ccaagctcat ggtttgccca cgggcaccca ctgtacacac 120
gcctgccccc cagcgccctg caagttctgt cggcccaggg gactcaggcg ttgcaggcag 180
cccagaggag cgcccagtgg gcaataaacc gagtggcgat ggagatccag cacagatcgc 240
acgagtgccg aggatctggg cgccccaggc ctcaagctct cctccaggac ccacctgagc 300
cagggccgtg cggcgagagg cgtccgagca ctgccaatgt gacgcgggcc cacggccgca 360
tcgtgggggg cagcgcggcg ccgcccgggg cctggccctg gctggtgagg ctgcagctcg 420
gcgggcagcc tctgtgcggc ggcgtyctgg tagcggcctc ctgggtgctc acggcagcgc 480
actgctttgt aggcgccccg aatgagcttc tgtggactgt gacgctggca gaggggtccc 540
gggggggagca agcggaggag gtgccagtga accgcatcct gccccacccc aagtttgacc 600
cgcggacctt ycacaacgac ctggccctgg tgcarctgtg gacgccggtg acccgggggg 660
atcggcgcgc cccgtgtgcc tgcccaggag ccccaggagc cccctgccgg aaccgsctgs 720
gccatcgcgg gctggggcgc cctyttcgaa gacgggcctk aggctkaagc artgagagag 780
gcccstgttc ccctgstcag caccgacacc tgccgaagag ccctggggcc cggnctgcgc 840
cccagcacca tgctctgcgc cganacctgg cggcgggcgt tgactcgtgc cagngtgact 900
cg 902

<210> 2093
<211> 1815
<212> DNA
<213> Homo sapiens

<400> 2093
gcgtggatcc aagatggcga cggcgatgga ttggttgccg tggtctttac tgcttttctc 60
cctgatgtgt gaaacaagcg ccttctatgt gcctggggtc gcgcctatca acttccacca 120
gaacgatccc gtagaaatca aggctgtgaa gctcaccagc tctcgaaccc agctacctta 180
tgaatactat tcactgccct tctgccagcc cagcaagata acctacaagg cagagaatct 240
gggagaggtg ctgagagggg accggattgt caacacccct ttccaggttc tcatgaacag 300
cgagaagaag tgtgaagttc tgtgcagcca gtccaacaag ccagtgaccc tgacagtgga 360
gcagagccga ctcgtggccg agcggatcac agaagactac tacgtccacc tcattgctga 420
caacctgcct gtggccaccc ggctggagct ctactccaac cgagacagcg atgacaagaa 480
gaaggaaagt gatatcaaat gggctctcgc tgggacactt acctgaccat gagtgacgtc 540
cagatccact ggttttctat cattaactcc gttgttgtgg tcttcttcct gtcaggtatc 600
ctgagcatga ttatcattcg gaccctccgg aaggacattg ccaactacaa caaggaggat 660
gacattgaag acaccatgga ggagtctggg tggaagttgg tgcacggcga cgtcttcagg 720
ccccccccag taccccatga tcctcagctc cctgctgggc tcaggcattc agctgttctg 780
tatgatcctc atcgtcatct ttgtagccat gcttgggatg ctgtcgccct ccagccgggg 840
agctctcatg accacagcct gcttcctctt catgttcatg ggggtgtttg gcggattttc 900
tgctggccgt ctgtaccgca ctttaaaagg ccatcggtgg aagaaaggag ccttctgtac 960
ggcaactctg taccctggtg tggtttttgg catctgcttc gtattgaatt gcttcatttg 1020
gggaaagcac tcatcaggag cggtgccctt tcccaccatg gtggctctgc tgtgcatgtg 1080
gttcgggatc tccctgcccc tcgtctactt gggctactac ttcggcttcc gaaagcagcc 1140
atatgacaac cctgtgcgca ccaaccagat tccccggcag atccccgagc agcggtggta 1200
catgaaccga tttgtgggca tcctcatggc tgggatcttg cccttcggcg ccatgttcat 1260
cgagctcttc ttcatcttca gtgctatctg ggagaatcag ttctattacc tctttggctt 1320
cctgktcctt gttttcatca tcctggtggt atcctgttca caaatcagca tcgtcatggt 1380
gtacttccag ctgtgtgcag aggattaccg ctggtggtgg agaaatttcc tagtctccgg 1440
gggctctgca ttctacgtcc tggtttatgc catcttttat ttcgttaaca agtgactgca 1500
gcgccaagcg gcatccacca agcatcaagt tggagaaaag ggaacccaag cagtagagag 1560

cgatattgga gtcttttgtt cattcaaatc ttggattttt ttttttccct aagagattct 1620
ctttttaggg ggaatgggaa acggacacct cataaagggt tcaaagatca tcaatttttc 1680
tgacttttta aatcattatc attattattt ttaattaaaa aaatgcctgt atgccttttt 1740
ttggtcggat tgtaaataaa tataccattg tcctacaaaa aaaaaaaaaa aaaaaaactt 1800
ctcggccgca aggaa 1815

<210> 2094
<211> 5459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3960)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3961)
<223> n equals a,t,g, or c

<400> 2094
accaattccc ttcctgggag ttgcggcttc cctcgctcgg ccccactccc gtttaccctt 60
tccccagctc ccgccttagc caggggcttc cccgcctgcc gctagggctc gggccgaagc 120
gccgctcagc gccagcctgc cgctccccgg gctccacttt cactttcggt cctgggggar 180
ctargccggm ggcagtggtg gtggcggcgg cgcaagggtg agggcggccc cagaacccca 240
ggtaggtaga gcaagaagat ggtgtttctg cccctcaaat ggtcccttgc aaccatgtca 300
tttctacttt cctcactgtt ggctctctta actgtgtcca ctccttcatg gtgtcagagc 360
actgaagcat ctccaaaacg tagtgatggg acaccatttc cttggaataa aatacgactt 420
cctgagtacg tcatcccagt tcattatgat ctcttgatcc atgcaaacct taccacgctg 480
accttctggg gaaccacgaa agtagaaatc acagccagtc agcccaccag caccatcatc 540
ctgcatagtc accacctgca gatatctagg gccaccctca ggaagggagc tggagagagg 600
ctatcggaag aacccctgca ggtcctggaa caccccccctc aggagcaaat tgcactgctg 660
gctcccgagc ccctccttgt cgggctcccg tacacagttg tcattcacta tgctggcaat 720
ctttcggaga ctttccacgg attttacaaa agcacctaca gaaccaagga aggggaactg 780
aggatactag catcaacaca atttgaaccc actgcagcta gaatggcctt tccctgcttt 840
gatgaacctg ccttcaaagc aagtttctca atcaaaatta gaagagagcc aaggcaccta 900
gccatctcca atatgccatt ggtgaaatct gtgactgttg ctgaaggact catagaagac 960
cattttgatg tcactgtgaa gatgagcacc tatctggtgg ccttcatcat ttcagatttt 1020
gagtctgtca gcaagataac caagagtgga gtcaaggttt ctgtttatgc tgtgccagac 1080
aagatgaatc aagcagatta tgcactggat gctgcggtga ctcttctaga attttatgag 1140
gattatttca gcataccgta tcccctaccc aaacaagatc ttgctgctat tcccgacttt 1200
cagtctggtg ctatggaaaa ctggggactg acaacatata gagaatctgc tctgttgttt 1260
gatgcagaaa agtcttctgc atcaagtaag cttggcatca caatgactgt ggcccatgaa 1320
ctggcccacc agtggtttgg gaacctggtc actatggaat ggtggaatga tctttggcta 1380
aatgaaggat ttgccaaatt tatggagttt gtgtctgtca gtgtgaccca tcctgaactg 1440
aaagttggag attatttctt tggcaaatgt tttgacgcaa tggaggtaga tgctttaaat 1500
tcctcacacc ctgtgtctac acctgtggaa aatcctgctc agatccggga gatgtttgat 1560
gatgtttctt atgataaggg agcttgtatt ctgaatatgc taagggagta tcttagcgct 1620
gacgcattta aaagtggtat tgtacagtat ctccagaagc atagctataa aaatacaaaa 1680
aacgaggacc tgtgggatag tatggcaagt atttgcccta cagatggtgt aaaagggatg 1740

gatggctttt gctctagaag tcaacattca tcttcatcct cacattggca tcaggaaggg 1800
gtggatgtga aaaccatgat gaacacttgg acactgcaga ggggttttcc cctaataacc 1860
atcacagtga gggggaggaa tgtacacatg aagcaagagc actacatgaa gggctctgac 1920
ggcgccccgg acactgggta cctgtggcat gttccattga cattcatcac cagcaaatcc 1980
gacatggtcc atcgattttt gctaaaaaca aaaacagatg tgctcatcct cccagaagag 2040
gtggaatgga tcaaatttaa tgtgggcatg aatggctatt acattgtgca ttacgaggat 2100
gatggatggg actctttgac tggcctttta aaaggaacac acacagcagt cagcagtaat 2160
gatcgggcaa gtctcattaa caatgcattt cagctcgtca gcattgggaa gctgtccatt 2220
gaaaaggcct tggatttatc cctgtacttg aaacatgaaa ctgaaattat gcccgtgttt 2280
caaggtttga atgagctgat tcctatgtat aagttaatgg agaaaagaga tatgaatgaa 2340
gtggaaactc aattcaaggc cttcctcatc aggctgctaa gggacctcat tgataagcag 2400
acatggacag acgagggctc agtctcagag cgaatgctgc ggagtgaact actactcctc 2460
gcctgtgtgc acaactatca gccgtgcgta cagagggcag aaggctattt cagaaagtgg 2520
aaggaatcca atggaaactt gagcctgcct gtcgacgtga ccttggcagt gtttgctgtg 2580
ggggcccaga gcacagaagg ctgggatttt ctttatagta aatatcagtt ttctttgtcc 2640
agtactgaga aaagccaaat tgaatttgcc ctctgcagaa cccaaaataa ggaaaagctt 2700
caatggctac tagatgaaag ctttaaggga gataaaataa aaactcagga gtttccacaa 2760
attcttacac tcattggcag gaacccagta ggatacccac tggcctggca atttctgagg 2820
aaaaactgga acaaacttgt acaaaagttt gaacttggct catcttccat agcccacatg 2880
gtaatgggta caacaaatca attctccaca agaacacggc ttgaagaggt aaaaggattc 2940
ttcagctctt tgaaagaaaa tggttctcag ctccgttgtg tccaacagac aattgaaacc 3000
attgaagaaa acatcggttg gatggataag aattttgata aaatcagagt gtggctgcaa 3060
agtgaaaagc ttgaacgtat gtaaaaattc ctcccttgcc aggttcctgt tatctctaat 3120
caccaacatt ttgttgagtg tattttcaaa ctagagatgg ctgttttggc tccaactgga 3180
gatacttttt tcccttcaac tcatttttg actatccctg tgaaaagaat agctgttagt 3240
ttttcatgaa tgggcttttt catgaatggg ctatcgctac catgtgtttt gttcatcaca 3300
ggtgttgccc tgcaacgtaa acccaagtgt tgggttccct gccacagaag aataaagtac 3360
cttattcttc tcattttata gtttatgctt aagcacccgt gtccaaaacc ctgtacccca 3420
tgtttatmat tcataaactg tttcatcagt ctcctcgaaa gactctgaat agtcgactac 3480
tgaacaatga acacctggat ctgagactaa gccggacgat gactgggtta aagctctccc 3540
ggctcacccc tccagacccg ctgcccatcc ctcttccttg ctccatgccc aggggctgac 3600
ttgtaaaggc caagtcatca agctttcttg ccctttggat gttggtcagt ggggagccgg 3660
agagctggag ctggggtcgg aggaggtagt aggtggaggt gttcttccct gattcccttg 3720
cgggatgcct cgggctggcc tcccctgagg gtcttagctc cgagagggga ccctcttttc 3780
cacacagcct tctccacctc tggattttgg taactgctcc ctcctcatcc cttcaggatt 3840
agtggcctca gtgggagtct ggcttttact agtcctggcg gacttgtggt ttctacataa 3900
tgtgctcgca cttttgcaaa aaatcttttt atagaaccct cctcagataa ttctgagtgn 3960
ntcatctatt tccctgactg gtacagtatc tcttctgaaa aagcagagtg cattcaagtc 4020
tgtaggaaaa ccctttttctt agggaggtga ttttttttct ctctctgctt cttatttggc 4080
ctactttaca atttctaact aactagttat tggcatttac tgacagtaaa ttattgcagt 4140
caccaataaa tgatagtaca ttgtgaaaca aaatatttgc tcatattagc aaataggaca 4200
ttctttggct ttgaagtctt tcttttgtga agacttcaca cacggttgct tcagcacaca 4260
gttgctgctc aggttttatg tatagatgat aataatagaa agcacagttt actaacatgg 4320
taaaccaacg gagttcaagt caagtcagtt aataccctaa gaattagatt ttatttctta 4380
ttctgaaaac ttgctacaca gggacttatc taacccatag tgtgctctgt tgctgacttg 4440
attcaagttg cagcgtgttt tgcgctgact ctaaggtgcg gaaatcctca cacctggcaa 4500
aggagaattc aaactgaact ttttgaatat aaggcaaaaa cttcaagata agggaatatg 4560
attgatgatt ggtacgaaaa atgtcaaaat gtgttccccct aatacacgac aaaatagagt 4620
gacttctgga cataaatctg ccatttatta aaccattcac tacaacaaat aaataggtat 4680
aaaagtggaa ttggaatttt tatacttatt tgttgtagtg aatggtttaa taaaaataga 4740
aatcactggt aatttccacc ccaaactaaa ctatttccct tcttttaaaa aaatacacaa 4800

ccaagatttt aatgtaaaat attttgcttt aattgtattt tatgccttga ttaatgaaac 4860
atggaaatat tgattttcag ttttggtcac ctgaggaacc tatctttgtt tgcttttgga 4920
aaagcccatt ttctaaacag atacaatatt gccacaacaa tgtgcagaaa ccttttttgat 4980
aataaaaaat tgttctttgc ctctaagtgg atatttgcaa ttatttttctc tctcctaact 5040
agactgtaaa aagggctgct ttagatcctg tagcttactc cagttattag ttattaacaa 5100
acacccaagt ctcgaagata tttctaatta aaaaagaagg catattcaga gttcttttta 5160
aataaatgtt gtttactttt ataggcatct ttaaacttct ggattttggt atgccattta 5220
aaaatacttc cagatacaca tggaaattag taatactgca gccgtatcct tgcaaacaca 5280
tctgtcagtg tmaaaggttt caaggttttt cttaaaaaaa gaaaacaaaa aagcaarcac 5340
ctatastgcc caawtggggt ggttggtcac tggttagaag tccctcggga aagtgttgtg 5400
cctgtctcgt tgccgcctaa gaatagatag tgaccatttc cgtggatagg gccagcatt 5459

<210> 2095
<211> 2085
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2062)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2065)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2084)
<223> n equals a,t,g, or c

<400> 2095
cgtccgcaac ggctcattct gctcccccgg gtcggagccc cccggagctg cgcgcgggct 60
tgcagcgcct cgcccgcgct gtcctcccgg tgtcccgctt ctccgcgccc cagccgccgg 120
ctgccagctt ttcggggccc cgagtcgcac ccagcgaaga gagcgggccc gggacaagct 180
cgaactccgg ccgcctcgcc cttccccggc tccgctccct ctgccccctc ggggtcgcgc 240
gcccacgatg ctgcagggcc ctggctcgct gctgctgctc ttcctcgcct cgcactgctg 300
cctgggctcg gcgcgcgggc tcttcctctt tggccagccc gacttctcct acaagcgcag 360
caattgcaag cccatcccgg ycaacctgca gctgtgccac ggcatcgaat accagaacat 420
gcggctgccc aacctgctgg gccacgagac catgaaggag gtgctggagc aggccggcgc 480
ttggatcccg ctggtcatga agcagtgcca cccggacacc aagaagttcc tgtgctcgct 540
cttcgccccc gtctgcctcg atgacctaga cgagaccatc cagccatgcc actcgctctg 600
cgtgcaggtg aaggaccgct gcgccccggt catgtccgcc ttcggcttcc cctggcccga 660
catgcttgag tgcgaccgtt tcccccagga caacgacctt tgcatccccc tcgctagcag 720
cgaccacctc ctgccagcca ccgaggaagc tccaaaggta tgtgaagcct gcaaaaataa 780
aaatgatgat gacaacgaca taatggaaac gctttgtaaa aatgattttg cactgaaaat 840
aaaagtgaag gagataacct acatcaaccg agataccaaa atcatcctgg agaccaagag 900
caagaccatt tacaagctga acggtgtgtc cgaaagggac ctgaagaaat cggtgctgtg 960
gctcaaagac agcttgcagt gcacctgtga ggagatgaac gacatcaacg cgccctatct 1020
ggtcatggga cagaaacagg gtggggagct ggtgatcacc tcggtgaagc ggtggcagaa 1080

ggggcagaga gagttcaagc gcatctcccg cagcatccgc aagctgcagt gctagtcccg 1140
gcatcctgat ggctccgaca ggcctgctcc agagcacggc tgaccatttc tgctccggga 1200
tctcagctcc cgttccccaa gcacactcct agctgctcca gtctcagcct gggcagcttc 1260
cccctgcctt ttgcacgttt gcatccccag catttcctga gttataaggc cacaggagtg 1320
gatagctgtt ttcacctaaa ggaaaagccc acccgaatct tgtagaaata ttcaaactaa 1380
taaaatcatg aatattttta tgaagtttaa aaatagctca ctttaaagct agttttgaat 1440
aggtgcaact gtgacttggg tctggttggt tgttgtttgt tgttttgagt cagctgattt 1500
tcacttccca ctgaggttgt cataacatgc aaattgcttc aattttctct gtggcccaaa 1560
cttgtgggtc acaaaccctg ttgagataaa gctggctgtt atctcaacat cttcatcagc 1620
tccagactga gactcagtgt ctaagtctta caacaattca tcattttata ccttcaatgg 1680
gaacttaaac tgttacatgt atcacattcc agctacaata cttccattta ttagaagcac 1740
attaaccatt tctatagcat gatttcttca agtaaaaggc aaaagatata aattttataa 1800
ttgacttgag tactttaagc cttgtttaaa acatttctta cttaactttt gcaaattaaa 1860
cccattgtag cttacctgta atatacatag tagtttacct ttaaaagttg taaaaatatt 1920
gctttaacca acactgtaaa tatttcagat aaacattata ttcttgtata taaactttac 1980
atcctgtttt acctaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2040
aaaaaaaaaa aaaaaaaaaa anaanaaaaa aaaaaaaaaa aaana 2085

<210> 2096
<211> 1781
<212> DNA
<213> Homo sapiens

<400> 2096
ggcacgmgcc gcgcctcccg gcgctccctc cccgactcct aagtccttcg gccgccacca 60
tgtccgcctc ggctgtcttc attctggacg ttaagggcaa gccattgatc agccgcaact 120
acaagggcga tgtggccatg agcaagattg agcacttcat gcctttgctg gtacagcggg 180
aggaggaagg cgccctggcc ccgctgctga gccacggcca ggtccacttc ctatggatca 240
aacacagcaa cctctacttg gtggccacca catcgaagaa tgccaatgcc tccctggtgt 300
actccttcct gtataagaca atagaggtat tctgcgaata cttcaaggag ctggaggagg 360
agagcatccg ggacaacttt gtcatcgtct acgagttgct ggacgagctc atggactttg 420
gcttcccgca gascaccgac agcaagatcc tgcaggagta catcactcag cagagcaaca 480
agctggagac gggcaagtca cgggtgccac ccactgtcac caacgctgtg tcctggcgct 540
ccgagggtat caagtataag aagaacgagg tcttcattga tgtcatagag tctgtcaacc 600
tgctggtcaa tgccaacggc agcgtccttc tgagcgaaat cgtcggtacc atcaagctca 660
aggtgtttct gtcaggaatg ccagagctgc ggctgggcct caatgaccgc gtgctcttcg 720
agctcactgg ccgcagcaag aacaaatcag tagagctgga ggatgtaaaa ttccaccagt 780
gcgtgcggct ctctcgcttt gacaacgacc gcaccatctc cttcatcccg cctgatggtg 840
actttgagct catgtcatac cgcctcagca cccaggtcaa gccactgatc tggattgagt 900
ctgtcattga gaagttctcc cacagccgcg tggagatcat ggtcaaggcc aaggggcagt 960
ttaagaaaca gtcagtggcc aacggtgtgg agatatctgt gcctgtaccc agcgatgccg 1020
actcccccag attcaagacc agtgtgggca gcgccaagta tgtgccggag agaaacgtcg 1080
tgatttggag tattaagtct ttcccggggg gcaaggagta cttgatgcga gcccactttg 1140
gcctccccag tgtggaaaag gaagaggtgg agggccggcc ccccatcggg gtcaagtttg 1200
agatccccta cttcaccgtc tctgggatcc aggtccgata catgaagatc attgagaaaa 1260
gtggttacca ggccctgccc tgggttcgct acatcaccca gagtggcgat taccaacttc 1320
gtaccagcta gaagggagaa gagatggggg cttgaacacg gggcttcctt acagccccgg 1380
atgcagattt tagagggagg gcaggtgcgg gctgtgtgtg tctgtgtgag ggcaggtcct 1440
ggacttggca gtttcttgct cccagcaccc gccccttcct cacctcttcc ttattccata 1500
ggctgggaga gaaactctct ctgcttccct cgcccttgga gctttcccca tccccctgat 1560
tttatatgaa gaaatagaag aggggcttga agtccccctc gcgagtgcct tcttgcaatt 1620

acctgcctta gcgggtgttg cgggtccctc cttcacagcc gctgagccca gaggtcccgc 1680
tggcccctcc tctgaatttt aggatgtcat taaaaagatg aatctaaaaa aaaaaaaaaa 1740
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag g 1781

<210> 2097
<211> 3095
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature.
<222> (3049)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3072)
<223> n equals a,t,g, or c

<400> 2097
gtggttgagg cctcccgagg gggctggctg tggtgtccag cagctctcca gaggtggtca 60
ggagctccct aaagtgcatg gaattggggc ttggggtgtg ggagggacca aggggtaggc 120
tgctagcagc tgaaggtgtc gtaggttttt actaaagaac cttccactgt ctagagactt 180
gagagaggga aagagagaga gaggcctaga cgaacacaat cacatgtttt ctttgctgtt 240
cctcccggga tgggcctgtt ttggggtttg ggactctgaa cccgagcggg gttccttcgc 300
ttgactttga tcctggtcct taaatgcctt tccccactcc cctcccgtgg gttcaggggc 360
caagcggccc ctcctcagag cacgggcagc accgtctcct ggacccctgt gtgccagcct 420
ctgcagacgc agctggtggg agggagcatg gatttggagg tggagaagtc actcctggtc 480
ctcggagggg gtgggctgtg tgcctagttc agtgtgactc ggggattggt gagggcggac 540
aggtttctga ggcctcccta gccttctttg taaattcaca cgagatagtc cagggctttc 600
cagcgcccag cttggatgat aatcctcgtc tcccccactc taaggcctcc ttgagatttc 660
tttggggtct accacgtcct ctgcctgtct ccaggtggta caggagatgt ggttcctctc 720
cctctcctgg ctccctagaa ccccccactt ccctctccctg tagctttagc tgaccccgtg 780
gtggtgggtg tggggtctgt gcgcgtgctc aggtaagctt gggggctcca ggtaagcggt 840
cccgtgtccc ccccccggga agcccgcctc ctcgccaggc ccccaggagt tgccgagccc 900
cccccatccc gctcggtttg gacacccgca aggccggcat cggtaaatgg caccttttc 960
tcttcctctg gttgttattt gggggggagc gggctkgggc ggggcagggt attacggttg 1020
gttgaggaca gccccctagg ccagggctgg gtgggggaac ggggactttt tggccttcat 1080
gacagcccca cgttgatcac aggccagggc ctcaggcttg ccttctgcta cgcgctgccc 1140
gagagcagca gtgagcctct cccccgtctc ccctctacga ctccccttc ctggcaggct 1200
caggctgggg tgcgctccca gcacgtgttg agccgggggt gtggagggcg agatggggca 1260
gggctggggg gaggcagagt cagtcgtctc aggtaaggca gggattttca gtagcaccgc 1320
acggctcccc atgcttcctc cactgccccc ctcccctgct gcaggggccc cgccaggccc 1380
cctgggagtg tataacccgc ctctctgctc cctgccattt cctgaagatt tctcccaccc 1440
ccttctggtt cattttctgt tctgatgtct gttcccccca cactcacccc cctccaaaaa 1500
aaacaaaaac agaaaaaacc ggtgtggtct ggggtgcgga gcgtcccagc tgggcctcct 1560
gccccggctt ggtgtctcag ggtgcatgct tggggttgtg gaggagcccc ctcccccaca 1620
gcagagtcca gcgtggagtt aaccttcagt ttctttgcag cgattttggc cgccctggcg 1680
ggaggggggct gttccatcat gtgggagagg aagggccggg gagcctaggg ggtggcgggt 1740
gagggtggac gtctcccccg accaggagtg gttggggcgc tgagaggaag cagacgctga 1800
gatggagcag gcccttcacc ggtttgggag agggttggtc tggctgtcag ttgcctggct 1860

gtctgttggg cgtgtgcgtg tgcgtgatga tggggacacg gggcggggat tctgtagagc 1920
tgggcctgtc ctgactagag gaccctctgg ggactcctct cccctccccc tccccacatc 1980
tgttacagcc gcttacaaac acgcagatgg caagaagatt gatggcagga gggtccttgt 2040
ggacgtggag aggggccgaa ccgtgaaggg ctggaggccc cggcggctag gaggaggcct 2100
cggtggtacc agaagaggag gggctgatgt gaacatccgg cattcaggcc gcgatgacac 2160
ctcccgctac gatgagaggc ccggcccctc cccgcttccg cacagggacc gggaccggga 2220
ccgtgagcgg gagcgcagag agcggagccg ggagcgagac aaggagcgag aacggcgacg 2280
ctcccgctcc cgggaccggc ggaggcgctc acggagtcgc gacaaggagg agcggaggcg 2340
ctccagggag cggagcaagg acaaggaccg ggaccggaag cggcgaagca gccggagtcg 2400
ggagcgggcc cggcgggagc gggagcgcaa ggaggagctg cgtggyggcg gtggcgacat 2460
ggcggagccc tccgaggcgg gtgacgcgcc ccctgatgat gggcctccag gggagctcgg 2520
gcctgacggc cctgacggtc cagaggaaaa gggccgggat cgtgaccggg agcgacggcg 2580
gagccaccgg agcgagcgcg agcggcgccg ggaccgggat cgtgaccgtg accgtgaccg 2640
cgagcacaaa cgggggggagc ggggcagtga gcggggcagg gatgaggccc gaggtggggg 2700
cggtggccag gacaacgggc tggagggtct gggcaacgac agccgagaca tgtacatgga 2760
gtctgagggc ggcgacggct acctggctcc ggagaatggg tatttgatgg aggctgcgcc 2820
ggagtgaaga ggtcgtcctc tccatctgct gtgtttggac gcgttcctgc ccagcccctt 2880
gctgtcatcc cctcccccaa ccttggccac ttgagtttgt cctccaaggg taggtgtctc 2940
atttgttctg gccccttgga tttaaaaata aaattaattt cctgttrawa aaaaaaaaaa 3000
aaaaaaaaaa aaaaggagag ccgctcttag aggatccctc cgagggggnc ccaagcttta 3060
cgcgtggcat gncgaagtca aaagcccttt ccccc 3095

<210> 2098
<211> 1414
<212> DNA
<213> Homo sapiens

<400> 2098
tatagaagta cgctgcagta ccgttccgga attcccggtc gacccacggk ccggctggcg 60
tccccttttcc ggccggtccc catggaggcg ctggggaagc tgaagcagtt cgatgcctac 120
cccaagactt tggaggactt ccgggtcaag acctgcgggg gcgccaccgt gaccattgtc 180
agtggccttc tcatgctgct actgttcctg tccgagctgc agtattacct caccacggag 240
gtgcatcctg agctctacgt ggacaagtcg cggggagata aactgaagat caacatcgat 300
gtacttttc cgcacatgcc ttgtgcctat ctgagtattg atgccatgga tgtggccgga 360
gaacagcagc tggatgtgga acacaacctg ttcaagcaac gactagataa agatggcatc 420
cccgtgagct cagaggctga gcggcatgag cttgggaaag tcgaggtgac ggtgtttgac 480
cctgactccc tggaccctga tcgctgtgag agctgctatg gtgctgaggc agaagatatc 540
aagtgctgta acacctgtga agatgtgcgg gaggcatatc gccgtagagg ctgggccttc 600
aagaacccag atactattga gcagtgccgg cgagagggct tcagccagaa gatgcaggag 660
cagaagaatg aaggctgcca ggtgtatggc ttcttggaag tcaataaggt ggccggaaac 720
ttccactttg cccctgggaa gagcttccag cagtcccatg tgcacgtcca tgacttgcag 780
agctttggcc ttgacaacat caacatgacc cactacatcc agcacctgtc atttggggag 840
gactatccag gcattgtgaa ccccctggac cacaccaatg tcactgcgcc ccaagcctcc 900
atgatgttcc agtactttgt gaaggtggtg cccactgtgt acatgaaggt ggacggagag 960
gtactgagga caaatcagtt ctctgtgacc agacatgaga aggttgccaa tgggctgttg 1020
ggcgaccaag gccttcccgg agtcttcgtc ctctatgagc tctcgcccat gatggtgaag 1080
ctgacggaga agcacaggtc cttcacccac ttcctgacag gtgtgtgcgc catcattggg 1140
ggcatgttca cagtggctgg actcatcgat tcgctcatct accactcagc acgagccatc 1200
cagaagaaaa ttgatctagg gaagacaacg tagtcaccct cggtgcttcc tctgtctcct 1260
ctttctccct ggcctgtggt tgtcccccag cctctgccac cctccacctc ctcggtcagc 1320
cccagcccca ggttgataaa tctattgatt gattgtgata gtaaaaaaaa aaaaaaaaaa 1380

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 1414

<210> 2099
<211> 2171
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2093)
<223> n equals a,t,g, or c

<400> 2099
ggatancaat tttcacncag naancagcta tgnccatgat tacgccaagc tttaatacga 60
ctcactatag ggaaagctgg tacgcctgca ggtaccggtc cggaattccc gggtcgaccc 120
acgcgtccgc cagcaccaca gtgccaggcc ttagtgagga atctaccacc ttctacagca 180
gcccaggctc aactgaaacc acagcgtttt ctcacagcaa cacaatgtcc attcatagtc 240
aacaatctac acccttccct gacagcccag gcttcactca cacagtgtta cctgccaccc 300
tcacaaccac agacattggt caggaatcaa cagccttcca cagcagctca gacgcaactg 360
gaacaacacc cttacctgcc cgctccacag cctcagacct tgttggagaa cctacaactt 420
tctacatcag cccatcccct acttacacaa cactctttcc tgcgagttcc agcacatcag 480
gcctcactga ggaatctacc accttccaca ccagtccaag cttcacttct acaattgtgt 540
ctactgaaag cctggaaacc ttagcaccag ggttgtgcca ggaaggacaa atttggaatg 600
gaaaacaatg cgtctgtccc caaggctacg ttggttacca gtgcttgtcc cctctggaat 660
ccttccctgt agaaaccccg gaaaaactca acgccacttt aggtatgaca gtgaaagtga 720
cttacagaaa tttcacagaa aagatgaatg acgcatcctc ccaggaatac cagaacttca 780

gtaccctctt caagaatcgg atggatgtcg ttttgaaggg cgacaatctt cctcagtata 840
gaggggtgaa cattcggaga ttgctcaacg gtagcatcgt ggtcaagaac gatgtcatcc 900
tggaggcaga ctacacttta gagtatgagg aactgtttga aaacctggca gagattgtaa 960
aggccaagat tatgaatgaa actagaacaa ctcttcttga tcctgattcc tgcagaaagg 1020
ccatactgtg ctatagtgaa gaggacactt tcgtggattc atcggtgact ccgggctttg 1080
acttccagga gcaatgcacc cagaaggctg ccgaaggata tacccagttc tactatgtgg 1140
atgtcttgga tgggaagctg gcctgtgtga acaagtgcac caaaggaacg aagtcgcaaa 1200
tgaactgtaa cctgggcaca tgtcagctgc aacgcagtgg cccccgctgc ctgtgcccaa 1260
atacgaacac acactggtac tggggagaga cctgtgaatt caacatcgcc aagagcctcg 1320
tgtatgggat cgtgggggct gtgatggcgg tgctgctgct cgcattgatc atcctaatca 1380
tcttattcag cctatcccag agaaaacggc acagggaaca gtatgatgtg cctcaagagt 1440
ggcgaaagga aggcacccct ggcatcttcc agaagacggc catctgggaa gaccagaatc 1500
tgagggagag cagattcggc cttgagaacg cctacaacaa cttccggccc accctggaga 1560
ctgttgactc tggcacagag ctccacatcc agaggccgga gatggtagca tccactgtgt 1620
gagccaacgg gggcctccca ccctcatcta gctctgttca ggagagctgc aaacacagag 1680
cccaccacaa gcctccgggg cgggtcaaga ggagaccgaa gtcaggccct gaagccggtc 1740
ctgctctgag ctgacagact tggccagtcc cctgcctgtg ctcctgctgg ggaaggctgg 1800
gggctgtaag cctctccatc cgggagcttc cagactccca gaagcctcgg caccctgtc 1860
tcctcctggg tggctcccca ctctggaatt tccctaccaa taaaagcaaa tctgaaagct 1920
caaaaaaaaa aaaaaagggc ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc 1980
gacgtcatag ctcttctata gtgtcaccta aattcaattc actggccgtc gttttacaac 2040
gtctgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atnccccttt 2100
ygccagctgc gtaatagcra agaggsccgs accgatcgcc cttccaacag ttgcgcagcc 2160
tgaatggcga a 2171

<210> 2100
<211> 1186
<212> DNA
<213> Homo sapiens

<400> 2100
gcggacgcgt gggcagcccg ggcggctgcc cttgggtgct cccttccctg cccgacaccc 60
agaccgacct tgaccgccca cctggcagga gcaggacagg acggccggac gcggccatgg 120
ccgagctccc ggggcccttt ctctgcgggg ccctgctagg cttcctgtgc ctgagtgggc 180
tggccgtgga ggtgaaggta cccacagagc cgctgagcac gcccctgggg aagacagccg 240
agctgacctg cacctacagc acgtcggtgg gagacagctt cgccctggag tggagctttg 300
tgcagcctgg gaaacccatc tctgagtccc atccaatcct gtacttcacc aatggccatc 360
tgtatccaac tggttctaag tcaaagcggg tcagcctgct tcagaacccc cccacagtgg 420
gggtggccac actgaaactg actgacgtcc acccctcaga tactggaacc tacctctgcc 480
aagtcaacaa cccaccagat ttctacacca atgggttggg gctaatcaac cttactgtgc 540
tggttccccc cagtaatccc ttatgcagtc agagtggaca aacctctgtg ggaggctcta 600
ctgcactgag atgcagctct tccgaggggg ctcctaagcc agtgtacaac tgggtgcgtc 660
ttggaacttt tcctacacct tctcctggca gcatggttca agatgaggtg tctggccagc 720
tcattctcac caacctctcc ctgacctcct cgggcaccta ccgctgtgtg gccaccaacc 780
agatgggcag tgcatcctgt gagctgaccc tctctgtgac cgaaccctcc caaggccgag 840
tggccggagc tctgattggg gtgctcctgg gcgtgctgtt gctgtcagtt gctgcgttct 900
gcctggtcag gttccagaaa gagaggggga agaagcccaa ggagacatat gggggtagtg 960
accttcggga ggatgccatc gctcctggga tctctgagca cacttgtatg agggctgatt 1020
ctagcaaggg gttcctggaa agaccctcgt ctgccagcac cgtgacgacc accaagtcca 1080
agctccctat ggtcgtgtga cttctcccga tccctgaggg cggtgagggg gaatatcaat 1140
aattaaagtc tgtgggtacc aaaaaaaaaa aaaaaaaagt cgacgc 1186

<210> 2101
<211> 3109
<212> DNA
<213> Homo sapiens

<400> 2101
gtggcggccg ctctagaact agtggatccc ccgggctgca ggaattcggc acgaggtgac 60
ccasgcatct ctgtatctgt ttgaagctac aggaaagcga ttttatttca aaaatgttgc 120
cattttgatt cctgaaacat ggaagacaaa ggctgactat gtgagaccaa aacttgagac 180
ctacaaaaat gctgatgttc tggttgctga gtctactcct ccaggtaatg atgaacccta 240
cactgagcag atgggcaact gtggagagaa gggtgaaagg atccacctca ctcctgattt 300
cattgcagga aaaaagttag ctgaatatgg accacaaggt agggcatttg tccatgagtg 360
ggctcatcta cgatggggag tatttgacga gtacaataat gatgagaaat tctacttatc 420
caatggaaga atacaagcag taagatgttc agcaggtatt actggtacaa atgtagtaaa 480
gaagtgtcag ggaggcagct gttacaccaa aagatgcaca ttcaataaag twacaggact 540
ctatgaaaaa ggatgtgagt ttgttctcca atcccgccag acggagaagg cttctataat 600
gtttgcacaa catgttgatt ctatagttga attctgtaca gaacaaaacc acaacaaaga 660
agctccaaac aagcaaaatc aaaaatgcaa tctccgaagc acatgggaag tgatccgtga 720
ttctgaggac tttaagaaaa ccactcctat gacaacacag ccaccaaatc ccaccttctc 780
attgctgcag attggacaaa gaattgtgtg tttagtcctt gacaaatctg gaagcatggc 840
gactggtaac cgcctcaatc gactgaatca agcaggccag cttttcctgc tgcagacagt 900
tgagctgggg tcctgggttg ggatggtgac atttgacagt gctgcccatg tacaaagtga 960
actcatacag ataaacagtg gcagtgacag ggacacactc gccaaaagat tacctgcagc 1020
agcttcagga gggacgtcca tctgcagcgg gcttcgatcg gcatttactg tgattaggaa 1080
gaaatatcca actgatggat ctgaaattgt gctgctgacg gatggggaag acaacactat 1140
aagtgggtgc tttaacgagg tcaaacaaag tggtgccatc atccacacag tcgctttggg 1200
gccctctgca gctcaagaac tagaggagct gtccaaaatg acaggaggtt tacagacata 1260
tgcttcagat caagttcaga acaatggcct cattgatgct tttggggccc tttcatcagg 1320
aaatggagct gtctctcagc gctccatcca gcttgagagt aagggattaa ccctccagaa 1380
cagccagtgg atgaatggca cagtgatcgt ggacagcacc gtgggaaagg acactttgtt 1440
tcttatcacc tggacaacgc agcctcccca aatccttctc tgggatccca gtggacagaa 1500
gcaaggtggc tttgtagtgg acaaaaacac caaaatggcc tacctccaaa tcccaggcat 1560
tgctaaggtt ggcacttgga aatacagtct gcaagcaagc tcacaaacct tgaccctgac 1620
tgtcacgtcc cgtgcgtcca atgctaccct gcctccaatt acagtgactt ccaaaacgaa 1680
caaggacacc agcaaattcc ccagccctct ggtagtttat gcaaatattc gccaaggagc 1740
ctccccaatt ctcagggcca gtgtcacagc cctgattgaa tcagtgaatg gaaaaacagt 1800
taccttggaa ctactggata atggagcagg tgctgatgct actaaggatg acggtgtcta 1860
ctcaaggtat ttcacaactt atgacacgaa tggtagatac agtgtaaaag tgcgggctct 1920
gggaggagtt aacgcagcca gacggagagt gataccccag cagagtggag cactgtacat 1980
acctggctgg attgagaatg atgaaataca atggaatcca ccaagacctg aaattaataa 2040
ggatgatgtt caacacaagc aagtgtgttt cagcagaaca tcctcgggag gctcatttgt 2100
ggcttctgat gtcccaaatg ctcccatacc tgatctcttc ccacctggcc aaatcaccga 2160
cctgaaggcg gaaattcacg ggggcagtct cattaatctg acttggacag ctcctgggga 2220
tgattatgac catggaacag ctcacaagta tatcattcga ataagtacaa gtattcttga 2280
tctcagagac aagttcaatg aatctcttca agtgaatact actgctctca tcccaaagga 2340
agccaactct gaggaagtct ttttgtttaa accagaaaac attacttttg aaaatggcac 2400
agatcttttc attgctattc aggctgttga taaggtcgat ctgaaatcag aaatatccaa 2460
cattgcacga gtatctttgt ttattcctcc acagactccg ccagagacac ctagtcctga 2520
tgaaacgtct gctccttgtc ctaatattca tatcaacagc accattcctg gcattcacat 2580
tttaaaaatt atgtggaagt ggataggaga actgcagctg tcaatagcct agggctgaat 2640

ttttgtcaga taaataaaat aaatcattca tccttttttt tgattataaa attttctaaa 2700
atgtatttta gacttcctgt agggggcgat atactaaatg tatatagtac atttatacta 2760
aatgtattcc tgtaggggge gatatactaa atgtatttta gacttcctgt agggggcgat 2820
aaaataaaat gctaaacaac tgggtataca tgcataaaaa ctatccattc aaacccaaaa 2880
tttaawaatc attgagtctt ttattaatga atttgaatac tagaaagaaa cagggcttgc 2940
atcaataaat ggaagtatgt ttttatttgt tttaaggagc tttgccagtt aaaaacaaca 3000
tgcaattgca gaaatctaac agagttgcta aaagttggtt gatttctttt ggtgaagaaa 3060
agccaatcta aattatttaa atataaaaga catgacttgg tttaaaaaa 3109

<210> 2102
<211> 1438
<212> DNA
<213> Homo sapiens

<400> 2102
acccacgcgt ccgcactcta gcgggtatct gcccaccatg gccctggtgc tgatcctcca 60
gctgctgacc ctctggcctc tgtgtcacac agacatcact ccgtctgtcc ccccagcttc 120
ataccaccct aagccatggc tgggagctca gccggctaca gttgtgaccc ctggggtcaa 180
cgtgaccttg agatgccggg caccccaacc cgcttggaga tttggacttt tcaagcctgg 240
agagatcgct ccccttctct tccgggatgt gtcctccgag ctggcagaat tctttctgga 300
ggaggtgact ccagcccaag ggggaagtta ccgctgctgc taccgaaggc cagactgggg 360
gccgggtgtc tggtcccagc ccagcgatgt cctggagctg ctggtgacag aggagctgcc 420
gcggccgtcg ctggtggcgc tgcccgggcc ggtggtgggt cctggcgcca acgtgagcct 480
gcgctgcgcg ggccgcctgc ggaacatgag cttcgtgctg taccgcgagg gcgtggcggc 540
cccgctgcag taccgccact ccgcgcagcc ctgggccgac ttcacgctgc tgggcgcccg 600
cgcccccggc acctacagct gctactatca cacgccctcc gcgccctacg tgctgtcgca 660
gcgcagcgag gtgctggtca tcagctggga agactctggc tcctccgact acacccgggg 720
gaacctagtc cgcctggggc tggccgggct ggtcctcatc tccctgggcg cgctggtcac 780
ttttgactgg cgcagtcaga accgcgctcc tgctggtatc cgcccctgag ccccaggagc 840
actgcagccc gagacttcca acctgagtgg cggagaagct gggaccctgg gctggactgt 900
cctttcctgc agccccacag tcctgctggc tgagctccgc ggaacggtcc ttagaccccg 960
ctgtgccctg tgctgtagct tctttccagg cctttcccaa ggagtagctg aaaggaagac 1020
gcgattagtg gttaagactt ccaagccaga agacagaggg ttcgaatccc agcactgccg 1080
tctactcact gtagtagtag cagctacaga aaggtagtag tgagacgtga agccagctgg 1140
acttcctggg ttgaatgggg acctggagaa cttttctgtc ttacaagagg attgtaaaat 1200
ggaccaatca gcactctgta agatggacca atcagcgctc tgtaaaatgg accaatcagc 1260
aggacatggg cggggacaat aagggaataa aagctggcga gcgcggcacc ccaccagagt 1320
ctgcttccac gctgtgggag ctttgttctc ttgctctaca caataaatct tgctgctgct 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggsggccg ctctagagga tccctcga 1438

<210> 2103
<211> 2443
<212> DNA
<213> Homo sapiens

<400> 2103
ggagcagctg ctgcagcagg agcagagcag gagacgcgta ccgccgtcgc cgccgccggg 60
ggatgtggcc ggcgcctgcc tctagccgcg ccgcctcttg agtaccagcc gccgctgcag 120
ccgccgccgc cgmctagccg tgcggtgcca ggccgcgccc tccccgggcg cccgccggct 180
cgcatgccga ggggctccgg ggcgtactgc gcgcccggcg ccgcctccgg gctccttcgg 240
ccmcgccatg ggctgctgca gctccgcctc ctccgccgcg cagagctcca aacgagaatg 300

gaagccgctg gaggaccgta gctgcacaga cataccatgg ctgctgctct tcatcctctt 360
ctgcattggg atgggattta tttgtggctt ttcaatagca acaggtgcag cagcaagact 420
agtgtcagga tacgacagct atggaaatat ctgtgggcag aaaaatacaa agttggaagc 480
aataccaaac agtggcatgg accacaccca gcggaagtat gtattctttt tggatccatg 540
caacctggac ttgataaacc ggaagattaa gtctgtagca ctgtgtgtag cagcgtgtcc 600
aaggcaagaa ctgaaaactc tgagtgatgt tcagaagttt gcagagataa atggttcagc 660
cctatgtagc tacaacctaa agccttctga atacactaca tctccaaaat cttctgttct 720
ctgccccaaa ctaccagttc cagcgagtgc acctattcca ttcttccatc gctgtgctcc 780
tgtgaacatt tcctgctatg ccaagtttgc agaggccctg atcacctttg tcagtgacaa 840
tagtgtctta cacaggctga ttagtggagt aatgaccagc aaagaaatta tattgggact 900
ttgcttgtta tcactagttc tatccatgat tttgatggtg ataatcaggt atatatcaag 960
agtacttgtg tggatcttaa cgattctggt catactcggt tcacttggag gcacaggtgt 1020
actatggtgg ctgtatgcaa agcaaagaag gtctcccaaa gaaactgtta ctcctgagca 1080
gcttcagata gctgaagaca atcttcgggc cctcctcatt tatgccattt cagctacagt 1140
gttcacagtg atcttattcc tgataatgtt ggttatgcgc aaacgtgttg ctcttaccat 1200
cgccttgttc cacgtagctg gcaaggtctt cattcacttg ccactgctag tcttccaacc 1260
cttctggact ttctttgctc ttgtcttgtt ttgggtgtac tggatcatga cacttctttt 1320
tcttggcact accggcagtc ctgttcagaa tgagcaaggc tttgtggagt tcaaaatttc 1380
tgggcctctg cagtacatgt ggtggtacca tgtggtgggc ctgatttgga tcagtgaatt 1440
tattctagca tgtcagcaga tgacagtggc aggagctgtg gtaacatact attttactag 1500
ggataaaagg aatttgccat ttacacctat tttggcatca gtaaatcgcc ttattcgtta 1560
ccacctaggt acggtggcaa aaggatcttt cattatcaca ttagtcaaaa ttccgcgaat 1620
gatccttatg tatattcaca gtcagctcaa aggaaaggaa aatgcttgtg cacgatgtgt 1680
gctgaaatct tgcatttgtt gcctttggtg tcttgaaaag tgcctaaatt atttaaatca 1740
gaatgcatac acagccacag ctatcaacag caccaacttc tgcacctcag caaaggatgc 1800
ctttgtcatt ctggtggaga atgctttgcg agtggctacc atcaacacag taggagattt 1860
tatgttattc cttggcaagg tgctgatagt ctgcagcaca ggtttagctg ggattatgct 1920
gctcaactac cagcaggact acacagtatg ggtgctgcct ctgatcatcg tctgcctctt 1980
tgctttccta gtcgctcatt gcttcctgtc tatttatgaa atggtagtgg atgtattatt 2040
cttgtgtttt gccattgata caaaatacaa tgatgggagc cctggcagag aattctatat 2100
ggataaagtg ctgatggagt ttgtggaaaa cagtaggaaa gcaatgaaag aagctggtaa 2160
gggaggcgtc gctgattcca gagagctaaa gccgatgctg aagaaaaggt gactggtctc 2220
atgagccctg aagaatgaac tcagaggagg ttgtttacat gaggttctcc cactcaccag 2280
ctgttgagag tctgcgatta tgaagagcag gatcttatta cttcaatgaa agcatgtaac 2340
aagtttctca aaccaccaac agccaagtgg atttggtaca gtgcggctgt ctaataaata 2400
atcaaaagca tttgatagaa aaaaaaaaaa aaagggcggc cgc 2443

<210> 2104
<211> 2519
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2519)
<223> n equals a,t,g, or c

<400> 2104
ggcagagcac ttcctggcca ggaaacctga gcggtgagac tcccagctgc ctacatcaag 60
gccccaggac atgcagaacc ttcctctaga acccgaccca ccaccatgag gtcctgcctg 120
tggagatgca ggcacctgag ccaaggcgtc cagtggtcct tgcttctggc tgtcctggtc 180
ttctttctct tcgccttgcc ctcttttatt aaggagcctc aaacaaagcc ttccaggcat 240
caacgcacag agaacattaa agaaaggtct ctacagtccc tggcaaagcc taagtcccag 300
gcacccacaa gggcaaggag gacaaccatc tatgcagagc cagygccaga gaacaatgcc 360
ctcaacacac aaacccagcc caaggcccac accaccggag acagaggaaa ggaggccaac 420
caggcaccgc cggaggagca ggacaaggtg ccccacacag cacagagggc agcatggaag 480
agcccagaaa aagagaaaac catggtgaac acactgtcac ccagagggca agatgcaggg 540
atggcctctg gcaggacaga ggcacaatca tggaagagcc aggacacaaa gacgacccaa 600
ggaaatgggg gccagaccag gaagctgacg gcctccagga cggtgtcaga gaagcaccag 660
ggcaaagcgg caaccacagc caagacgctc attyccaaaa gtcagcacag aatgctggct 720
yccacaggag cagtgtcaac aaggacgaga cagaaaggag tgaccacagc agtcatccca 780
cctaaggaga agaaacctca ggccacccca ccccctgccc ctttccagag ccccacgacg 840
cagagaaacc aaagactgaa ggscgscaac ttcaaatctg agcctcggtg ggattttgag 900
gaaaaataca gcttcgaaat aggaggcctt cagacgactt gccctgactc tgtgaagatc 960
aaagcctcca agtcgctgtg gctccagaaa ctctttctgc ccaacctcac tctcttcctg 1020
gactccagac acttcaacca gagtgagtgg gaccgcctgg aacactttgc accacccttt 1080
ggcttcatgg agctcaacta ctccttggtg cagaaggtcg tgacacgctt ccctccagtg 1140
ccccagcagc agctgctcct ggccagcctc cccgctggga gcctccggtg catcacctgt 1200
gccgtggtgg gcaacggggg catcctgaac aactcccaca tgggccagga gatagacagt 1260
cacgactacg tgttccgatt gagcggagct ctcattaaag gctacgaaca ggatgtgggg 1320
actcggacat ccttctacgg ctttaccgnc ttctccctga cccagtcact ccttatattg 1380
ggcaatcggg gtttcaagaa cgtgcctctt gggaaggacg tccgctactt gcacttcctg 1440
gaaggcaccc gggactatga gtggctggaa gcactgctta tgaatcagac ggtgatgtca 1500
aaaaaccttt tctggttcag gcacagaccc caggaagctt ttcgggaagc cctgcacatg 1560
gacaggtacc tgttgctgca cccagacttt ctccgataca tgaagaacag gtttctgagg 1620
tctaagaccc tggatggtgc ccactggagg atataccgcc ccaccactgg ggccctcctg 1680
ctgctcactg cccttcagct ctgtgaccag gtgagtgctt atggcttcat cactgagggc 1740
catgagcgct tttctgatca ctactatgat acatcatgga agcggctgat cttttacata 1800
aaccatgact tcaagctgga gagagaagtc tggaagcggc tacacgatga agggataatc 1860
cggctgtacc agcgtcctgg tcccggaact gccaaagcca agaactgacc ggggccaggg 1920
ctgccatggt ctccttgcct gctccaaggc acaggataca gtgggaatct tgagactctt 1980
tggccatttc ccatggctca gactaagctc caagcccttc argagttcca agggaacact 2040
tgaaccatgg acaagactct ctcaagatgg caaatggcta attgaggttc tgaagttctt 2100
cagtacattg ctgtaggtcc tgaggccagg gatttttaat taaatggggt gatgggtggc 2160
caataccaca attcctgctg aaaaacactc ttccagtcca aaagcttctt gatacagaaa 2220
aaagagcctg gatttacaga aacatataga tctggtttga attccagatc gagtttacag 2280
ttgtgaaatc ttgaaggtat tacttaactt cactacagat tgtctagaag acctttctag 2340
gagttatctg attctagaag ggtctatact tgtccttgtc tttaagctat ttgacaactc 2400
tacgtgttgt agaaaactga taataataca aatgattgtt gtccatggaa aggcaaataa 2460
attttctaca gtgaagcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaan 2519

<210> 2105
<211> 1312
<212> DNA
<213> Homo sapiens

<400> 2105

gctctgcgag cgttatttca aaagaagttg agaaccarag aaaccracct aaggggatty 60
tcccatttgg cccgtcctac cctaaagtma ccacctgctg cttttytgga gcgcttacca 120
gtgaccaaga ggaacagaac acagagcagc ctggcagtgt ccaagcaaca agcctccgct 180
cctccttcct gcaccctggg gctcctgaaa ctcacatggg taaaaaagat acagtaaaga 240
cataaatacc acatttgaca aatggaaaaa aaggagtgtc cagaaaagag tagcagcagt 300
gaggaagagc tgccgagacg ggtatacagg gagctaccct gtgtttctga gaccctctgt 360
gacatctcac atttttcca agaagatgat gagacagagg cagagccatt attgttccgt 420
gctgttcctg agtgtcaact atctgggggg gacattccca gtgtatcaga agagcaggaa 480
tcttcagagg gacaagattc aggagacatt tgctcagaag agaatcaaat agtttcctct 540
tatgcttcta aagtctgttt tgagatcgaa gaagattata aaaatcgtca gtttctgggg 600
cctgaaggaa atgtggatgt tgagttgatt gataagagca caaacagata cagcgtttgg 660
ttccccactg ctggctggta tctgtggtca gccacaggcc tcggcttcct ggtaagggat 720
gaggtcacag tgacgattgc gtttggttcc tggagtcagc acctggccct ggacctgcag 780
caccatgaac agtggctggt gggcggcccc ttgtttgatg tcactgcaga gccagaggag 840
gctgtcgccg aaatccacct cccccacttc atctccctcc aagcaggtga ggtggacgtc 900
tcctggtttc tcgttgccca ttttaagaat gaagggatgg tcctggagca tccagcccgg 960
gtggagcctt tctatgctgt cctggaaagc cccagcttct ctctgatggg catcctgctg 1020
cggatcgcca gtgggactcg cctctccatc cccatcactt ccaacacatt gatctattat 1080
caccccccacc ccgaagatat taagttccac ttgtaccttg tccccagcga cgccttgcta 1140
acaaagacac tattttagag gctgaggata catcagtgaa caaaagaggc aaaaacatga 1200
caaccaaaga tattacatgg aatgctatag gaaaaatata tgtgcatatg ataagaacta 1260
taacaaataa agaaggttaa gaaaattaaa aaaaaaaaaa aagggcggcc gc 1312

<210> 2106
<211> 1871
<212> DNA
<213> Homo sapiens

<400> 2106
taatcaaagc tcaggaggag agctgcattc cactgtttca cagatgctgt gagggtgaca 60
aagatgcagg gcacccactg gaaacacaga cggcactctg cgaaagagga aggggcgcca 120
ggagcttggg tgagcaaggt tggaggtgat tctgcccctc tccccaggct ttctgtatta 180
gaaaactgaa gcttcaagaa cagacttgcc taacaacagg aaacttgtat gtctcgaagt 240
ggcaattcac acataaggct ccatgactcc tgaactctca caaatattag ttggctcttt 300
tcatggtttt actgaagttg ctagaagttt acagaaaagg aagtgcagga acatttcaca 360
aatctacaat ctgtgagtat cacatcctgt atagctgtaa acactggaat aaggaagggc 420
tgatgacttt cagaagatga aggtaagtag aaaccgttga tgggactgag aaaccagagt 480
taaaacctct ttggagcttc tgaggactca gctggaacca acgggcacag ttggcaacac 540
catcatgaca tcacaacctg ttcccaatga gaccatcata gtgctcccat caaatgtcat 600
caacttctcc caagcagaga aacccgaacc caccaaccag gggcaggata gcctgaagaa 660
acatctacac gcagaaatca aagttattgg gactatccag atcttgtgtg gcatgatggt 720
attgagcttg gggatcattt tggcatctgc ttccttctct ccaaatttta cccaagtgac 780
ttctacactg ttgaactctg cttacccatt cataggaccc ttttttttta tcatctctgg 840
ctctctatca atcgccacag agaaaaggtt raccaagctt ttggtgcata gcagcctggt 900
tggaagcatt ctgagtgctc tgtctgccct ggtgggtttc attatcctgt ctgtcaaaca 960
ggccacctta aatcctgcct cactgcagtg tgagttggac aaaaataata taccaacaag 1020
aagttatgtt tcttactttt atcatgattc actttatacc acggactgct atacagccaa 1080
agccagtctg gctggawctc tctctctgat gctgatttgc actctgctgg aattctgcct 1140
agctgtgctc actgctgtgc tgcggtggaa acaggcttac tctgacttcc ctgggagtgt 1200
acttttcctg cctcacagtt acattggtaa ttctggcatg tcctcaaaaa tgactcatga 1260
ctgtggatat gaagaactat tgacttctta agaaaaaagg gagaaatatt aatcagaaag 1320

ttgattctta tgataatatg gaaaagttaa ccattataga aaagcaaagc ttgagtttcc 1380
taaatgtaag cttttaaagt aatgaacatt aaaaaaaacc attatttcac tgtcatttaa 1440
gatatgtgtt cattggggat ctcttgattt gcctgacatt gacttcagca aaagcacggg 1500
gctgtaaatt accatttact agattagcca aatagtctga atttccagaa aacaaggcag 1560
aatgatcatt cccagaaaca tttcccagaa aatgtttccc agaaaactag acagmatgat 1620
cattcaatgg atcacagtga agcaaaggac acaacttttt attgtacccc ttaattgtca 1680
acaggagtta actgatttgt tgtggtgctc agacttttt atacaggtgc tagtgtttta 1740
tcctatgtat tttaactcat tagtgcataa aggcaagccc catataatga agtctcaggg 1800
tatatgaaag tagctggctt caaaataaaa tttttgagtg caaaaaaaaa aaaaaataaa 1860
aaaaaaaaaa a 1871

<210> 2107
<211> 1309
<212> DNA
<213> Homo sapiens

<400> 2107
gaattcggca cgagaagata taaaagctcc agaaacgttg actgggacca ctggagacac 60
tgaagaaggc aggggccctt agagtcttgg ttgccaaaca gatttgcaga tcaaggagaa 120
cccaggagtt tcaaagaagc gctagtaagg tctctgagat ccttgcacta gctacatcct 180
cagggtagga ggaagatggc ttccagaagc atgcggctgc tcctattgct gagctgcctg 240
gccaaaacag gagtcctggg tgatatcatc atgagaccca gctgtgctcc tggatggttt 300
taccacaagt ccaattgcta tggttacttc aggaagctga ggaactggtc tgatgccgag 360
ctcgagtgtc agtcttacgg aaacggagcc cacctggcat ctatcctgag tttaaaggaa 420
gccagcacca tagcagagta cataagtggc tatcagagaa gccagccgat atggattggc 480
ctgcacgacc cacagaagag gcagcagtgg cagtggattg atggggccat gtatctgtac 540
agatcctggt ctggcaagtc catgggtggg aacaagcact gtgctgagat gagctccaat 600
aacaactttt taacttggag cagcaacgaa tgcaacaagc gccaacactt cctgtgcaag 660
taccgaccat agagcaagaa tcaagattct gctaactcct gcacagcccc gtcctcttcc 720
tttctgctag cctggctaaa tctgctcatt atttcagagg ggaaacctag caaactaaga 780
gtgataaggg ccctactaca ctggcttttt taggcttaga gacagaaact ttagcattgg 840
cccagtagtg gcttctagct ctaaatgttt gccccgccat ccctttccac agtatccttc 900
ttccctcctc ccctgtctct ggctgtctcg agcagtctag aagagtgcat ctccagccta 960
tgaaacagct gggtctttgg ccataagaag taaagatttg aagacagaag gaagaaactc 1020
aggagtaagc ttctagaccc cttcagcttc tacacccttc tgccctctct ccattgcctg 1080
caccccaccc cagccactca actcctgctt gtttttcctt tggccatagg aaggtttacc 1140
agtagaatcc ttgctaggtt gatgtgggcc atacattcct ttaataaacc attgtgtaca 1200
taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aaactcgagg gggggcccgt acccaatcgc ctgatcatga tcgtataca 1309

<210> 2108
<211> 943
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (866)
<223> n equals a,t,g, or c

<400> 2108
antcccgggt cgcacsagcg kcacgccgca tcctagccgc cgactcacac aaggcaggtg 60
ggtgaggaaa tccagagttg ccatggagaa aattccagtg tcagcattct tgctccttgt 120
ggccctctcc tacactctgg ccagagatac cacagtcaaa cctggagcca aaaaggacac 180
aaaggactct cgacccaaac tgccccagac cctctccaga ggttggggtg accaactcat 240
ctggactcag acatatgaag aagctctata taaatccaag acaagcaaca aacccttgat 300
gattattcat cacttggatg agtgcccaca cagtcaagct ttaaagaaag tgtttgctga 360
aaataaagaa atccagaaat tggcagagca gtttgtcctc ctcaatctgg tttatgaaac 420
aactgacaaa caccttttctc ctgatggcca gtatgtcccc aggattatgt ttgttgaccc 480
atctctgaca gttagagccg atatcactgg aagatattca aaycgtctct atgcttacga 540
acctgcagat acagctctgt tgcttgacaa catgaagaaa gctctcaagt tgctgaagac 600
tgaattgtaa agaaaaaaaa tctccaagcc cttctgtctg tcaggccttg agacttgaaa 660
ccagaagaag tgtgagaaga ctggctagtg tggaagcata gtgaacacac tgattaggtt 720
atggtttaat gttacaacaa ctatttttta agaaaaacaa gttttagaaa tttggtttca 780
agtgtacatg tgtgaaaaca atattgtata ctaccatagt gagccatgat tttctaaaaa 840
aaaaaataaa tgttttgggg gtgttntaaa aaaaaaaaaa aaaagtgagt gaactaacaa 900
aaaaaaagtt ttgcccccaa ggggacgggt tacaattggg ggg 943

<210> 2109
<211> 1377
<212> DNA
<213> Homo sapiens

<400> 2109
ggcacgagaa aaccttgagg tgattcatct tccaggctct ccttccatca agtctctcct 60
ccctagcgct ctgggtcctt aatggcagca gccgccgcta ccaagatcct tctgtgcctc 120
ccgcttctgc tcctgctgtc cggctggtcc cgggctgggc gagccgaccc tcactctctt 180
tgctatgaca tcaccgtcat ccctaagttc agacctggac cacggtggtg tgcggttcaa 240
ggccaggtgg atgaaaagac ttttcttcac tatgactgtg gcaacaagac agtcacacct 300
gtcagtcccc tggggaagaa actaaatgtc acaacggcct ggaaagcaca gaacccagta 360
ctgagagagg tggtggacat acttacagag caactgcgtg acattcagct ggagaattac 420
acacccaagg aacccctcac cctgcaggcc aggatgtctt gtgagcagaa agctgaagga 480
cacagcagtg gatcttggca gttcagtttc gatgggcaga tcttcctcct ctttgactca 540
gagaagagaa tgtggacaac ggttcatcct ggagccagaa agatgaaaga aaagtgggag 600
aatgacaagg ttgtggccat gtccttccat tacttctcaa tgggagactg tataggatgg 660
cttgaggact tcttgatggg catggacagc accctggagc caagtgcagg agcaccactc 720
gccatgtcct caggcacaac ccaactcagg gccacagcca ccaccctcat cctttgctgc 780
ctcctcatca tcctcccctg cttcatcctc cctggcatct gaggagagtc ctttagagtg 840
acaggttaaa gctgatacca aaaggctcct gtgagcacgg tcttgatcaa actcgccctt 900
ctgtctggcc agctgcccac gacctacggt gtatgtccag tggcctccag cagatcatga 960
tgacatcatg gacccaatag ctcattcact gccttgattc cttttgccaa caatttacc 1020
agcagttata cctaacatat tatgcaattt tctcttggtg ctacctgatg gaattcctgc 1080
acttaaagtt ctggctgact aaacaagata tatcattttc tttcttctct ttttgtttgg 1140
aaaatcaagt acttctttga atgatgatct ctttcttgca aatgatattg tcagtaaaat 1200
aatcacgtta gacttcagac ctctggggat tctttccgtg tcctgaaaga gaatttttaa 1260
attatttaat aagaaaaaat ttatattaat gattgtttcc tttagtaatt tattgttctg 1320
tactgatatt taaataaaga gttctatttc ccaaaaaaaa aaaaaaaaaa aaaaaaa 1377

<210> 2110
<211> 788
<212> DNA
<213> Homo sapiens

<400> 2110
gcgcgacccg ccccgtcccg tccagtctgg cctgggcgcc gcgggaacgc tgtcctggct 60
gccgccaccc gaacagcctg tcctggtgcc ccggctccct gccccgcgcc cagtcatgac 120
cctgcgcccc tcactcctcc cgctccatct gctgctgctg ctgctgctca gtgcggcggt 180
gtgccgggct gaggctgggc tcgaaaccga aagtcccgtc cggaccctcc aagtggagac 240
cctggtggag cccccagaac catgtgccga gcccgctgct tttggagaca cgcttcacat 300
acactacacg ggaagcttgg tagatggacg tattattgac acctccctga ccagagaccc 360
tctggttata gaacttggcc aaaagcaggt gattccaggt ctggagcaga gtcttctcga 420
catgtgtgtg ggagagaagc gaagggcaat cattccttct cacttggcct atggaaaacg 480
gggatttcca ccatctgtcc cagcggatgc agtggtgcag tatgacgtgg agctgattgc 540
actaatccga gccaactact ggctaaagct ggtgaagggc attttgcctc tggtagggat 600
ggccatggtg ccascctcct gggcctcatt gggtatcacc tatacagaaa ggccaataga 660
cccaaagtct ccaaaaagaa gctcaaggaa gagaaacgaa acaagagcaa aaagaaataa 720
taaataataa attttaaaaa acttaaaaaa aaaaaaaraa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaa 788

<210> 2111
<211> 1019
<212> DNA
<213> Homo sapiens

<400> 2111
agggattctt gctccaccct gtgtacctgc tccgagtgtc tttccccctc cccaccccag 60
caggccagtc ctgggcccca gctccagagc actcacgggc tgccagggtg agcaggctag 120
aaactcacga caccaaggag atccaggtta aaaagtacaa gtgtggcctc atcaagccct 180
gcccagccaa ctactttgcg tttaaaatct gcagtggggc cgccaacgtc gtgggcccta 240
ctatgtgctt tgaagaccgc atgatcatga gtcctgtgaa aaacaatgtg ggcagaggcc 300
taaacatcgc cctggtgaat ggaaccacgg gagctgtgct gggacagaag gcatttgaca 360
tgtactctgg agatgttatg cacctagtga aattccttaa agaaattccg gggggtgcac 420
tggtgctggt ggcctcctac gacgatccag ggaccaaaat gaacgatgaa agcaggaaac 480
tcttctctga cttggggagt tcctacgcaa aacaactggg cttccgggac agctgggtct 540
tcataggagc caaagacctc aggggtaaaa gccccctttga gcagttctta aagaacagcc 600
cagacacaaa caaatacgag ggatggccag agctgctgga gatggagggc tgcatgcccc 660
cgaagccatt ttagggtggc tgtggctctt cctcagccag gggcctgaag aagctcctgc 720
ctgacttagg agtcagagcc cggcaggggc tgaggaggag gagcaggggg tgctgcgtgg 780
aaggtgctgc aggtccttgc acgctgtgtc gcgcctctcc tcctcggaaa cagaaccctc 840
ccacagcaca tcctacccgg aagaccagcc tcagagggtc cttctggaac cagctgtctg 900
tggagagaat ggggtgcttt cgtcagggac tgctgacggc tggtcctgag gaaggacaaa 960
ctgcccagac ttgagcccaa ttaaatttta tttttgctgg ttttgaaaaa aaaaaaaaa 1019

<210> 2112
<211> 975
<212> DNA
<213> Homo sapiens

<400> 2112
tccgggytca gacgtcgcct tccacttcaa tccgcggttt gacggctggg acaaggtggt 60
cttcaacacg ttgcagggcg ggaagtgggg cagcgaggag aggaagagga gcatgcccct 120
caaaaagggt gccgcctttg agctggtctt catagtcctg gctgagcact acaaggtggt 180
ggtaaatgga aatcccttct atgagtacgg gcaccggctt cccctacaga tggtcaccca 240
cctgcaagtg gatggggatc tgcaacttca atcaatcaac ttcatcggag gccagcccct 300
ccggccccag ggacccccga tgatgccacc ttaccctggt cccggacatt gccatcaaca 360
gctgaacagc ctgcccacca tggaaggacc cccaaccttc aacccgcctg tgccatattt 420
cgggaggctg caaggagggc tcacagctcg aagaaccatc atcatcaagg gctatgtgcc 480
tcccacaggc aagagctttg ctatcaactt caaggtgggc tcctcagggg acatagctct 540
gcacattaat ccccgcatgg gcaacggtac cgtggtccgg aacagccttc tgaatggctc 600
gtggggatcc gaggagaaga agatcaccca caacccattt ggtcccggac agttctttga 660
tctgtccatt cgctgtggct tggatcgctt caaggtttac gccaatggcc agcacctctt 720
tgactttgcc catcgcctct cggccttcca gagggtggac acattggaaa tccagggtga 780
tgtcaccttg tcctatgtcc agatctaatc tattcctggg gccataactc atgggaaaac 840
agaattatcc cctaggactc ctttctaagc ccctaataaa atgtctgagg gtgtctcaaa 900
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaa 975

<210> 2113
<211> 1173
<212> DNA
<213> Homo sapiens

<400> 2113
gcccacgcgt ccgcccacgc gtccgctgga cggcagctat gcgactcacc gtgctgtgtg 60
ctgtgtgcct gctgcctggc agcctggccc tgccgctgcc tcaggaggcg ggaggcatga 120
gtgagctaca gtgggaacag gctcaggact atctcaagag attttatctc tatgactcag 180
aaacaaaaaa tgccaacagt ttagaagcca aactcaagga gatgcaaaaa ttctttggcc 240
tacctataac tggaatgtta aactcccgcg tcatagaaat aatgcagaag cccagatgtg 300
gagtgccaga tgttgcagaa tactcactat ttccaaatag cccaaaatgg acttccaaag 360
tggtcaccta caggatcgta tcatatactc gagacttacc gcatattaca gtggatcgat 420
tagtgtcaaa ggctttaaac atgtggggca aagagatccc cctgcatttc aggaaagttg 480
tatggggaac tgctgacatc atgattggct ttgcgcgagg agctcatggg gactcctacc 540
catttgatgg gccaggaaac acgctggctc atgcctttgc gcctgggaca ggtctcggag 600
gagatgctca cttcgatgag gatgaacgct ggacggatgg tagcagtcta gggattaact 660
tcctgtatgc tgcaactcat gaacttggcc attctttggg tatgggacat tcctctgatc 720
ctaatgcagt gatgtatcca acctatggaa atggagatcc ccaaaatttt aaactttccc 780
aggatgatat taaaggcatt cagaaactat atggaaagag aagtaattca agaaagaaat 840
agaaacttca ggcagaacat ccattcattc attcattgga ttgtatatca ttgttgcaca 900
atcagaattg ataagcactg ttcctccact ccatttagca attatgtcac ccttttttat 960
tgcagttggt ttttgaatgt ctttcactcc ttttaaggat aaactccttt atggtgtgac 1020
tgtgtcttat tcatctatac ttgcagtggg tagatgtcaa taaatgttac atacacaaat 1080
aaataaaatg tttattccat ggtaaattta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ata 1173

<210> 2114
<211> 1708
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1109)
<223> n equals a,t,g, or c

<400> 2114
acttcagttc tcgagagaag aggcgggagt ggacctggtc agccctaccc cactgacccc 60
accggaccca ggcgcggcct ccgccacagc cacagcccct gcccctgctg cggcgcggcg 120
aggcgaggcg atggccaagg tgtcggtgct gaacgtggcg gtcctggaga acccgagccc 180
tttccacagc cccttccggt tcgagatcag cttcgagtgc agtgaagccc tggcggacga 240
cctggagtgg aagatcattt atgttggctc ggctgagagt gaggaatttg atcagatcct 300
agactcggtg ctggtgggcc ctgtgccagc agggagacac atgtttgtct ttcaggccga 360
cgcccccaac ccatccctca tcccagagac tgatgccgtg ggtgtgactg tggtcctcat 420
cacctgcacc taccatggac aggagttcat ccgagtgggc tactacgtca acaacgagta 480
cctcaaccct gagctgcgtg agaacccgcc catgaagcca gatttctccc agctccagcg 540
gaacatcttg gcctcgaacc cccgggtgac ccgcttccat atcaactggg acaacaacat 600
ggacaggctg gaggccatag agacccagga cccctccctg ggctgcggcc tcccactcaa 660
ctgcactcct atcaagggct tggggctccc tggctgcatc cctggcctcc tccctgagaa 720
ctccatggac tgcatctaac tgcaggaacc cagagtgtcc cagcacgccg ggaggggcaa 780
ccaggcctcc cagcgagtcc tgcagggccc atctagagga ctttgggggc catcagctgc 840
aatccaggtc tgtcaaactc agcccctagg aaagaacagg ccttgggtct cccctagtcc 900
tggccagaag gatgatctcg cttttcctct acaggcctat aagaagcagg tacttcagtt 960
ctaaattctg acttgtgttc ttttcgtctt cataaattct aactaaggcc actgtgccac 1020
tgtgcaccct tgagtaccat tgatccaaag ctttcccaca gacctccctg gcccacctag 1080
aggctttctt ggtcagtgcc tgtcaaggnt ccagtcctgc tgagccaaag gctttgtcat 1140
tcctttctct tcctgtacat ctgagcagac ccactccagc tttctggtgt cacaggcggg 1200
aatgttagtt agtaggtaga cttagatccc atttctgtcc tgctcccagg aagattctta 1260
ggtcctcttc aatccagcag cccctcccag aggtgtgatc agcaggatgc tgaggaacca 1320
tgttgccttt cctgtcaatc acagccacct tcctgttatc tcctaaatgg atctggcttt 1380
tcctggaggc tgccatggtt ggaagatggt atcagagggc ctgcctgggc agtctgtctc 1440
cgggccaggg tcagggaccc tctgcctctg gcagccttaa cctgtcctct gctaggacca 1500
gggtgatttc aagccaggga agcaactggg accctgaaaa ctgtccctcc ccagcccgct 1560
ccccctctct gtgccctggt ccccttgctg ccatgtggat gctgttgtga ttgctgtttg 1620
tatattatca aaatgttttt atattaaaaa tgtttggtct gaaaattaaa agcacttcat 1680
ttagaaaaaa aaaaaaaaaa aaaaaaaa 1708

<210> 2115
<211> 1877
<212> DNA
<213> Homo sapiens

<400> 2115
cctgaaggga gagcagggag agagaggaca gtggccagag agggctctgg gcactggagg 60
gacgctcttc ttcctgccca ggggtccctg ggccgatggg atcacgcaga agaatgcgag 120
agaagcagcc tttgagaagg gaagtcacta tcccagagcc cagactgagc ggatggagtt 180
gaggaagtac ggccctggaa gactggcggg gacagttata ggaggagctg ctcagagtaa 240
atcacagact aaatcagact caatcacaaa agagttcctg ccaggccttt acacagcccc 300
ttcctccccg ttcccgccct cacaggtgag tgaccaccaa gtgctaaatg acgccgaggt 360
tgccgccctc ctggagaact tcagctcttc ctatgactat ggagaaaacg agagtgamtc 420
gtgctgtacc tccccgccct gcccacagga cttcagcctg aacttcgacc gggccttcct 480
gccagccctc wacagcctcc tctttctgct ggggctgctg ggcaacggcg cggtggcagc 540

cgtgctgctg agccggcgga cagccctgag cagcaccgac accttcctgc tccacctagc 600
tgtagcagac acrctgctgg tgctgacact gccgctctgg gcagtggacg ctgccgtcca 660
gtgggtcttt ggctctggcc tctgcaaagt ggcaggtgcc ctcttcaaca tcaacttcta 720
cgcaggagcc ctcctgctgg cctgcatcag ctttgaccgc tacctgaaca tagttcatgc 780
cacccagctc taccgccggg ggcccccggc ccgcgtgacc ctcacctgcc tggctgtctg 840
ggggctctgc ctgcttttcg ccctcccaga cttcatcttc ctgtcggccc accacgacga 900
gcgcctcaac gccacccact gccaatacaa cttcccacag gtgggccgca cggctctgcg 960
ggtgctgcag ctggtggctg gctttctgct gcccctgctg gtcatggcct actgctatgc 1020
ccacatcctg gccgtgctgc tggtttccag gggccagcgg cgcctgcggg ccatgcggct 1080
ggtggtggtg gtcgtggtgg cctttgccct ctgctggacc ccctatcacc tggtggtgct 1140
ggtggacatc ctcatggacc tgggcgcttt ggcccgcaac tgtggccgag aaagcagggt 1200
agacgtggcc aagtcggtca cctcaggcct gggctacatg cactgctgcc tcaacccgct 1260
gctctatgcc tttgtagggg tcaagttccg ggagcggatg tggatgctgc tcttgcgcct 1320
gggctgcccc aaccagagag ggctccagag gcagccatcg tcttcccgcc gggattcatc 1380
ctggtctgag acctcagagg cctcctactc gggcttgtga ggccggaatc cgggctcccc 1440
tttcgcccac agtctgactt ccccgcattc caggctcctc cctccctctg ccggctctgg 1500
ctctccccaa tatcctcgct cccgggactc actggcagcc ccagcaccac caggtctccc 1560
gggaagccac cctcccagct ctgaggactg caccattgct gctccttagc tgccaagccc 1620
catcctgccg cccgaggtgg ctgcctggag ccccactgcc cttctcattt ggaaactaaa 1680
acttcatctt ccccaagtgc ggggagtaca aggcatggcg tagagggtgc tgccccatga 1740
agccacagcc caggcctcca gctcagcagt gactgtggcc atggtcccca agacctctat 1800
atttgctctt ttatttttat gtctaaaatc ctgcttaaaa cttttcaata aacaagatcg 1860
tcaggaaaaa aaaaaaa 1877

<210> 2116
<211> 828
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (787)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (819)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (827)
<223> n equals a,t,g, or c

<400> 2116
ggcacgagag atggcggcgc aacagcggga ctgcgggggt gctgcgcagc tggcggggcc 60
ggcggcggag gctgaccccc taggacgctt cacgtgtccc gtgtgcttag aggtgtacga 120
gaagccggta caggtgccct gcggacacgt cttttgctct gcatgcctgc aggaatgtct 180
gaagccgaag aagcctgtct gtggggtgtg tcgcagcgct ctggcacctg gcgtccgagc 240
cgtggagctc gagcggcaga tcgagagcac agagacttct tgccatggct gccgtaagaa 300
tttcttcctg tccaagatcc ggtcccacgt ggctacttgt tccaaatacc agaattacat 360

catggaaggt gtgaaggcca ccattaagga tgcatctctt cagccaagga atgttccaaa 420
ccgttacacc tttccttgtc cttactgtcc tgagaagaac tttgatcagg aaggacttgt 480
ggaacactgc aaattattcc atagcacgga taccaaatct gtggtttgtc cgatatgtgc 540
ctcgatgccc tggggagacc ccaactaccg cagcgccaac ttcagagagc acatccagcg 600
ccggcaccgg ttttcttatg acacttttgt ggattatgat gttgatgaag aggacatgat 660
gaatcaggtg ttgcagcgct ccatcatcga ccagtgagca gagtccgtgc ttgctatctg 720
tctcatgtta cagagcttcc attacatatt aaacgtgaaa tctatgaaaa aaaaaaaggg 780
gggggggnccc ggttacccca atttcggccc tattaggtna agtcgtna 828

<210> 2117
<211> 2520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2520)
<223> n equals a,t,g, or c

<400> 2117
ggcacgagca cttcctggcc aggaaacctg agcggtgaga ctcccagctg cctacatcaa 60
ggccccagga catgcagaac cttcctctag aacccgaccc accaccatga ggtcctgcct 120
gtggagatgc aggcacctga gccaaggcgt ccagtggtcc ttgcttctgg ctgtcctggt 180
cttctttctc ttcgccttgc cctcttttat taaggagcct caaacaaagc cttccaggca 240
tcaacgcaca gagaacatta aagaaaggtc tctacagtcc ctggcaaagc ctaagtccca 300
ggcacccaca agggcaagga ggacaaccat ctatgcagag ccagtgccag agaacaatgc 360
cctcaacaca caaacccagc ccaaggccca caccaccgga gacagaggaa aggaggccaa 420
ccaggcaccg ccggaggagc aggacaaggt gccccacaca gcacagaggg cagcatggaa 480
gagcccagaa aaagagaaaa ccatggtgaa cacactgtca cccagagggc aagatgcagg 540
gatggcctct ggcaggacag aggcacaatc atggaagagc caggacacaa agacgaccca 600
aggaaatggg ggccagacca ggaagctgac ggcctccagg acggtgtcag agaagcacca 660
gggcaaagcg gcaaccacag ccaagacgct cattcccaaa agtcagcaca gaatgctggc 720
tcccacagga gcagtgtcaa caaggacgag acagaaagga gtgaccacag cagtcatccc 780
acctaaggag aagaaacctc aggccacccc acccccctgcc cctttccaga gccccacgac 840
gcagagaaac caaagactga aggccgccaa cttcaaatct gagcctcggt gggattttga 900
ggaaaaatac agcttcgaaa taggaggcct tcagacgact tgccctgact ctgtgaagat 960
caaagcctcc aagtcgctgt ggctccagaa actctttctg cccaacctca ctctcttcct 1020
ggactccaga cacttcaacc agagtgagtg ggaccgcctg gaacactttg caccaccctt 1080
tggcttcatg gagctcaact actccttggt gcagaaggtc gtgacacgct tccctccagt 1140
gccccagcag cagctgctcc tggccagcct ccccgctggg agcctccggt gcatcacctg 1200
tgccgtggtg ggcaacgggg gcatcctgaa caactcccac atgggccagg agatagacag 1260
tcacgactac gtgttccgat tgagcggagc tctcattaaa ggctacgaac aggatgtggg 1320
gactcggaca tccttctacg gctttaccgc cttctccctg acccagtcac tccttatatt 1380
gggcaatcgg ggtttcaaga acgtgcctct tgggaaggac gtccgctact tgcacttcct 1440
ggaaggcacc cgggactatg agtggctgga agcactgctt atgaatcaga cggtgatgtc 1500
aaaaaacctt ttctggttca ggcacagacc ccaggaagct tttcgggaag ccctgcacat 1560
ggacaggtac ctgttgctgc acccagactt tctccgatac atgaagaaca ggtttctgag 1620
gtctaagacc ctggatggtg cccactggag gatataccgc cccaccactg gggccctcct 1680
gctgctcact gcccttcagc tctgtgacca ggtgagtgct tatggcttca tcactgaggg 1740
ccatgagcgc ttttctgatc actactatga tacatcatgg aagcggctga tcttttacat 1800
aaaccatgac ttcaagctgg agagagaagt ctggaagcgg ctacacgatg aagggataat 1860

ccggctgtac cagcgtcctg gtcccggaac tgccaaagcc aagaactgac cggggccagg 1920
gctgccatgg tctccttgcc tgctccaagg cacaggatac agtgggaatc ttgagactct 1980
ttggccattt cccatggctc agactaagct ccaagccctt caggagttcc aagggaacac 2040
ttgaaccatg gacaagactc tctcaagatg gcaaatggct aattgaggtt ctgaagttct 2100
tcagtacatt gctgtaggtc ctgaggccag ggatttttaa ttaaatgggg tgatgggtgg 2160
ccaataccac aattcctgct gaaaaacact cttccagtcc aaaagcttct tgatacagaa 2220
aaaagagcct ggatttacag aaacatatag atctggtttg aattccagat cgagtttaca 2280
gttgtgaaat cttgaaggta ttacttaact tcactacaga ttgtctagaa gacctttcta 2340
ggagttatct gattctagaa gggtctatac ttgtccttgt ctttaagcta tttgacaact 2400
ctacgtgttg tagaaaactg ataataatac aaatgattgt tgtccatgga aaggcaaata 2460
aattttctac agtgaagatg caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaan 2520

<210> 2118
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (602)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<400> 2118
ggntagncaa ntcnctccca tgattacgcc aagctctaat acgactcact atagggnttt 60
gttggtacgc ctgcaggtac cggtccggaa ttcccgggtc gacccacgcg tccgattttc 120
ttcagacaaa actgctcttg tgcaatattt tatgctcagt gagcaaattg tgtatttatg 180
tttatcaatt tgttctcaag gtggctgtct acagacattt gaccaagaca tacatctgat 240
ttaccttgtg ttttttttt attgttgttt ttttttaaga cagagattca gtctgtcacc 300
caggctggag tgctgtggtg tgatcttagc tcactgcaac ctccgcctcc caggttcaag 360
caatttcct gcctcagcct cccgagtacc tgggactata tgtgcgcacc accacgcctg 420
gctaattttt tgtatttta gtagagatgg ggtttcacca tgttggctgg gctggtctcg 480
aactcctaac ctcaagtgat ccacccgcct cagcctccca aagtgctggg attacaggtg 540
tgagccactg cacccagcct accttggctg tttgngtctg ggaggttttt ttttttctat 600
tnttattttt tcatgaaaat tattggnggg ccactgaaag tccccacaca caaaagcctt 660
tattctatat aatttataaa cacaaattca tg 692

<210> 2119
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 2119
gggcatggtn gtgcatgcct gtaattccag ctactcggga ggctgaggca ggagaattgc 60
ttgaacccgg gagacggagg ttgcagtgac ccgagatcat gccagtgcac tccagcctgg 120
gtgacagagt gagactctgt ctcaaaaaaa taaaaaataa ataataaata ataataataa 180
taaaataaaa ataactgcaa caagccccta gattgacttg aagcctctgt ctgaactgct 240
ggcgggatcc ccancttccc ccatgtgcct gttcatggca tgcagaggtc agncccttgc 300
ttcaagcctc ggaccagagt gggccatctc ggttagcata ngacacaang acagaagcat 360
tgncctcaag tttnctgaga catgtttgcc cctggaagcg gtgattttgg ccatcattgc 420
tgnaagactt gtcatcgggg cagnatctta ncatcangca tttgctgtcg cggn 474

<210> 2120
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)

<223> n equals a,t,g, or c

<400> 2120
tataccacaa atgcagccng gnggagtaca agctcctgnt atacaacagg tgctggctcc 60
nnttcctgga gggatttcac cacagacagg tggcatcatc cagnctnagn aaatctaatt 120
tacaggaaat aaagactcaa gatataccta cgacagtggc agnacctaca ccagnccaaa 180
gcacagataa ctgcaactgg ncag 204

<210> 2121
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 2121
aattcggcag agttgtgggc cgaagaatat gctcatgtgg tgttgaggaa agcagacatt 60
gacctcacca agagggcggg agaactcact gaggatgagg tggaacgtgt gatcaccatt 120
atgcagaatc cacgccatac aagatcccag actggttctt gaacagacag aaggatgtaa 180
aggatggaaa atacagccag ccttcgtgtc cgaggccagc acaccaagac cactggccgc 240
cgtggccgca ccgtgggttt gtccaagagg aattaagttt ttaggccttg tctgttaata 300
aatagtttat atacctnaaa aaaaaaaaaa aaatttnggg gggggncccc gtacccattt 360
gcccttn 367

<210> 2122
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 2122
gggggtgcct gtacccccca gcctggctgg catcatgcag aggaccttcg cctggctgtt 60
ggaccgcgtg cagcacctgg gtgcccctgt caccttcgc gcctcttatc tggagatcta 120
caatgagcag gtctcagccg tcgaaggaac tcagcccaca ccctgaacca ggcctccagc 180
cgaagccatg ccctgctcac cctttacatc agctccaaaa aaaaaaatna attntttatn 240
nnc 243

<210> 2123
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<400> 2123
ggaaagatag atcctgacca gacagtaatc agagctgagt ctttggatgg tggtgacacc 60
agttctacag ttgtagaatc tcaagagggg ctttctggca ctcatgtccc agagtcttct 120

gattgttgtg aaggttttat taatactttt tcaagcaatg atatggatgg gcaagactta 180
gattacttta atattgatga acgcgcaaaa atggcccact aattagtgat gctgaacttg 240
atgccttttct gacagaacan tatcttcnga ccactaacat aaatcttttg aanaaaatgt 300
taaatgactc taaatcg 317

<210> 2124
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 2124
gaatcctnnt ggaaaaccnc tcactatagt naaagctggt acncctgcag gtaccggtcc 60
ggaattcccg ggtcgaccca cgcgtccgca ccgggcactt ccaccaacgg caaagncctg 120
gctgccactg cacccactcc tggcatcccc atcctgcagn ctgnaccctc cgccccaccc 180
cccaaagccc agncagtttc tcccgtgcag gccccgcccc cgggtggctc annccagctg 240
ctgcctggga aggtcctant gcctctggcc gnccctagca tgtcagtgcg gggnggaggg 300
gccgg 305

<210> 2125
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 2125
gggcaactat tatctcaagt tcagtgtggt gagtgacaag aatcatatgc actttggggc 60
tatcactngn gccatgggta ttcgcttcaa gtcttactgc tccaaccttg ttcgcacttt 120
gatggttgat ccttctcaag aagttcagga aaattataac tttntgctcc agcttcaaga 180
ggagctgctg aaggaattaa gacatggtga gaagatatgt gacgngtata acgctgncat 240
ggacgtggtt aaaaagnaga agccagaact gntgaacana aattaccnaa aacctagggt 300
tagggatggg aattgaatcc cgtgaaggct 330

<210> 2126
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<400> 2126
ggcacgagct cgtgccgaat tcggcacgag cccaaacgga gccacgtgag gacgtctttg 60
gggatgtgtc tccaagaaaa gtgtgggctg ccttcctcac cctggatgcc tgtgggctgc 120
cttcctcacc ntggatgcct gtgggctgcc ttcctcaccc tggatgcctg tgggcagcct 180
tcctcaccct ggatgcctgt gggctgcctt ctcaccctgg atgnctgtgg gctgccttcc 240
tcaacctgga tgctgtgggc agctttctca acctggatgc tgtgggctgc ttnctcaacc 300
tggntgactg tgggcannct ttcntaacct gga 333

<210> 2127
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<400> 2127
gttgaggacc cgctgcggag ctgctgcctg gtggccgcgg acgcccagga gcccgagggc 60
gcgggcagcg actcgggggа cagcccggcc agcagctgca gcagtagcga ggactcagag 120
cagcggggag tcggcgccgg gggtcccgag gagggcgcgc cccctgccac ctcggccgag 180
aggactaatg ggggtgcgga ccncgcctgg gcttttctga cattcactnc aactctcgca 240
acacgttcca ggntgagccg cngn 264

<210> 2128
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (624)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (631)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (666)
<223> n equals a,t,g, or c

<400> 2128
gcaaatattc attatttgtt ctactggaaa taaaaatact aattcaatgg atttgagttt 60
atgtaataat ttacagagtt tttcaatgtg ttttttcaga atggacatgt aaaatttagt 120
tacattccag ggaattttca ggtgaaaatt agtagatagt taacatgaaa attttatatg 180
aattcatatt ttttcttgga caatatgcta atatttattg atttcacaaa tttacagcat 240
atgggtgatt ttggaagcat tcatagaccc ggaattgttg ttgactatca aaacaaatcc 300
accaatgtna cagttgctgc tgcaagagga ataaanagaa aaatgatgca gccatttaat 360
aagcccagtg gaacctttat caagaaccca aactagcaaa acctatggag aanataagcc 420
tcagcaaatc accacaaaaa ctgatcctaa aaattgaana agaaaaaaaa cggcaattga 480
ggtccgcaaa aaaaacaaag gccccaaaaa aaaaaacgng anaattcgga aatggatccg 540

aatggcttta atnttctttt gtaatttcaa ctttaaaaaa aaanttgact gctcggaaat 600
tctcctccga acnttgatct ttcnaaacac ntattgaaaa tttttggatt tgcctatttt 660
tggaana 667

<210> 2129
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<400> 2129
tngaatagtn aacataacat ttacggtctt tatgattnaa nagtagtgtg ctagtntaca 60
atcatagaaa gcattattac agttttaaca aaaaagcagt gaaagccttt ttgagatctt 120
tnntatctga ttggaatagc aagtattttt tgttttgatt ncatttttat acatactttt 180
atgataataa ctttaagcat tatctcagat taccttacgg aaaagtgtgg aatcagcatt 240
aagacagtta gaaagagaaa aggcgcttct tcagcacaaa aatgcagaat atcagaggaa 300
agctgatcat gaagcagaca nnaaacgaan tttggaaaat gatggtttgn ggtgnagaat 360
attaaatact catcaagaaa aaaa 384

<210> 2130
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 2130
gcgtcagtct cagcttgctc aggatgagcg tgtgtcccgc tcttacctcg ccctggccac 60
cgaaaccgtg gacatgttcc acatcctccc ccaaagcaat gtgagtccca gagcccgctt 120
ttgctcgatg aaagtctgga gtctctgaag cgaatccatg aagtgcagga agagatgaag 180
aacaaagaac agtgggacca gttgccccgg gatcagcagc aggctcgtca gtctcagctt 240
gctcaggatg agccgtgtgt ccgctcttac ctngcctgcc accgaaaccg tggacatgtt 300
ccacatcttc cccaaagcaa tgtgagtccc anagcccgct tttggtcttt cccacaattn 360
cattactaag aaacacatca aataaactga ctttttttncc cccaaaaaaa aaann 415

<210> 2131
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 2131
cggcacgagc atggatgtca tcagcattga caagacggga gagaatttcc gtctgatcta 60
tgacaccaag ggtcgctttg ctgtacatcg tattacacct gaggaggcca agtacaagtt 120
gtgcaaagtg agaaagatct ttntgggcac aaaaggaatc cctcatctgg tgactcatga 180
tgcccgcacc atccgctacc ccgatcccct catcaaggtg aatgatacca ttcagattga 240
tttagagact ggcaagatta ctgatttcat caagttcgac actggtaacc tgtgtatggt 300
gacttggagg tgctaaccta gggaggattt ggtgttgtta ccaccagggg gnggcaccct 360
gggtntttta cgngggttca gggnaaanat gccattggaa cagttttncc ctgggntttn 420
caaatttttt tttttggaag ggaacaanct ggnttttttc ccggggaagg gtttcngctt 480
nccttttttn ggggggnn 499

<210> 2132
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<400> 2132
nangnacgct gtgtaaataa natgctttgg gggctcccct ggccacagaa ggagaaaact 60
ggagccttct aatttcctgt tgtttacttt ccaaaggctg gagttgggta ggaaacctgn 120
gcataccggc acactggctt gtgggtgaac ttctctccct gctgtatttc ccggacaggt 180
gaggcggacc ctgttcatca caggactccc cagagatgcc aggaaggaga ctntggagag 240
ccacttccgg gacgcgtatc ccacgtgtaa ggtggttgat gtncagttgt gntacaa 297

<210> 2133
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<400> 2133
ggccgtgaga ttcncaggag tttccacttg gtgatcagca ctgaacacag accaccaacc 60
atggagtttg ggcctagctg ggttttcctt gttgctattt taaaaggtgt ccactgtgag 120
gtgcagctgg tggagtctgg gggaggcttg gtacagccag ggcggtccct gagactctcc 180
tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccaggctcca 240
gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcatggtgg gacaacagaa 300
tacgccgcgt ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360
nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420
gactacaggc acacccctgg ctactggggg cagggaaccc tggtcaccgn cttctctggc 480
ttccaccaag ggccatcgtc ttccccctgg ngcccttgtt ccaggancac ttccgaaanc 540
cagnggcctg ggcttgctgg gcaagggctc ttncc 575

<210> 2134
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<400> 2134
gcgctcaacc ctcactaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag ggagttttca gatcaaaaac 120
tggttaccat tttttgtcag agtgtctgat gcggccactc attcggctcc ccagaattcc 180
tagactgggt taatagggtc atattgtgaa tgtctcacta caaaatgact tgagtccagt 240
gaaatctcat tagggtttaa gaatatttca gggatcctta atgttttgat ttttgttttc 300
tgaaattgga ttttatttta ttttatctta taatttcagt tcatctaaat tgtgtgttct 360
gtacatgtga tgtttgactg taccattgac tgttatggaa gttcagcgtt gtatgtctct 420
ctctacactg tggtgcactt aacttgtgga atttttatac taaaaatgta ggataaagac 480
tattttgaag gtttgaataa agtgatgaag ttgcattaca nctcactgca aggattcttt 540

acttagcttg tttttag 557

<210> 2135
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<400> 2135
ncaannnnga cacnaaccct cactaaaggg aacaaaagct ggagctccac ctgcggtgcg 60
nccgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgagg aggagcccca 120
gtcatgctca gcacgctaca gatgtgttgt ttgtcacact gagattgctg aatgtcgtgg 180
ctgttggctg ccgagcctca gctgctggca tttccttctg ctgtttgctg cttttgtgcc 240
tcccccactt tccatcacct ctggagtccc gtctggacgt cccttcctgc tacaggaata 300
atgaggcgtg ggctgcctcc cgctaggcct cctgctccct ntaggtagtt tctngctgag 360
gcttgctaat tggggatgct tcttagagca tcttccacat caactcccct ggctgctggc 420
taccgattaa attcattagt gtgaaagagg tgggagtgag gttttctggn ctgaagcagt 480
ctgcactgaa aggtacccaa gtggcctgaa acagtgtagg gaaagacctg ggaaacactg 540
gaccaaaaaa gc 552

<210> 2136
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<400> 2136
aaccctcact aaagggaaca aaagctggag ctccaccgcg gtgncggccg ctctagaact 60
agtggatccc ccgggctgca ggnattcggc acgagcggcg gcggncggcc cgctccagcc 120
atgccgaata aaaacaagaa ggagaaagaa tcaccaaaag cagggaagag tggaaaaagt 180
tcaaaagaag gacaagacac agtagaatca gagtgctact gtctaagagc tggagctaca 240
gagcttgaaa ttaccactga aaacactgaa atgttgggcc cttcactgct tcctcataag 300
gataccagag gcaacctggc atattaagct tgacacttgg cagatcactg tgtaaattgt 360
ttttcaggaa tacaagttgg gacacttctg ttcatttgac ctttgagttg acccttaaat 420
tttattattg ttttttttcc cctcagtctt cagctcactg cttcacttct agttccaccc 480
acttaccaaa tatgattgac tcatgcaggt gaattaaacc attattgcac actttttccc 540
tctcctctct ctcagtatta ctcttaactt gaatatttta acctgaacaa tttaaatagg 600
cttgacattc ccatgctg 618

<210> 2137
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 2137
anantaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtgcn gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag gaggaatcgt gtgtctgctg 120
ttgatgaact tgcaatggct acagaacgac taagagtgcg tgatcctagg gagccaaagc 180
ctaatccgcc tgttcttcat atcattgaac cacatgaggt agaacaaaac cgaataaaac 240
tactaaatga taaagctgtt gctacatcac agcttcagaa aaaacttggg cagcttcttt 300
acctaactaa tttggagaag tctcaagata aaacatcggg aggtgttaat ccagaacctt 360
gcccaatctg tgctcgacag ctaggaaaac agtgggcggt actgacctgt ggtcactgtt 420
tctgtaatga atgcatttct ataattattg aacaatacag cgtgggatct cacagaagct 480
ccattaagtg tgcaatctgc cgccagacca catctcacaa ag 522

<210> 2138
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 2138
tganacnaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg acggccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agctacaact ggagaatcca 120
tccatcaggt gactgagttc ctccaaaggg gacactacta atgtgtctca gacactaact 180
aaggtgagaa ggaatgcact gttgaggggg cagcacatcc ttaagaagct caatggtggc 240
tgtcccctgc aggctggaat aatgctaggg atgttttata gaactggatc ccccagtagt 300
gagtaaaatg atagagttcc agaataacag gggccaagtg gcagcattta actgtgagga 360
caagataaag taatttccgt aaggggcatc aacgttagag tgacaactgg gaggcctgac 420
ctgtaggtgt ccatgaagat ggctcttagg acatgctgtt cctctaggca agacacatat 480
tgctttagac atataatcaa aagaggat 508

<210> 2139
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<400> 2139
ccctcactaa nggaacaaag nctngngctc caccgcggtg ncggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agcggtttta ttttcaataa tgaacagctg 120
gctcagatga atgaacagct ggctcaggtg aatgaactaa agaaaatgac ccttcaaact 180
ggctttgaac aaggtgacag agaaaatgta ctgtgtaata aaaaggagaa aagaataaca 240
aatgagcaag aggaaacata ctctttatcc caaagttcag gtaaatttca ccaggagagt 300
aaatttgata agggtcagaa ttccctaact tgtaataaaa gtaaagcttc tagacagaca 360
tttgtgattc acaaattaga aaaagataac ttactcccaa accaaaagga taaagtaacc 420
atttatgaaa acctagacgt cacaaatgaa tttcacacag ccaatctttc caccaaagat 480
atggaaattt atgtgattat gggacccaca atatattgga tttgaaaagt atgtcactga 540

tattca 546

<210> 2140
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<400> 2140
gnacaccctc actaaaggga acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtggat ccccccgggct gcaggaattc ggcacgaggg agattgatga tgacttttc 120
ccaagttctg gggaagaagc tgaagctgct tctgtaggag aaggaggagg aggaggtcgg 180
aaagtgggaa gataccgaga tgatggagat gaagattatt ataagcagcg gttaaggtcg 240
gtctgtgggg attataaata cattgtactg tttgctttat cttaggtgac aggtttatta 300
atatgtaagc attctagatc cagcttaata tattagaccc ccccgattat acagaggttg 360
gatttctgca gccttaacct gctagaagca gtggggcccc tgagtcctta atgatgctgg 420
ccccaaatgc atgtacttct aggtctttag ttggatttgg aggcaagtct aagatgaaaa 480
acttaaggga aggctggggc aagaggcata cagagggctg agtgtgagct gtgtcgc 537

<210> 2141
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<400> 2141
tcaaccctca ttaaagggac caaaagctgg ngctccaccg cggtggcggc cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgagatg atattgagac ctctgtcatt 120
taatattggg acaaaattgt atttctaact cacaacaaac agaaaaacta cattagatgt 180
actatcactt tagatttgaa aacaattctt taaaactttt acaagaaaat caaaataaga 240
ctctactgcc tttaatttga ggaagcacat gtcattaagg aaaagactga tgagttcaca 300
tttgctgata aaaataatat aatctgtcca tcctaagtta ggtgtccaac aaatagttac 360
atgtctatcc tctcaccttt catgtcctcc aacacttctc tttaaagagt ggcatagata 420
acatcatgaa agaatgagga aactccagtg caccaaaaaa ttatagagtt tataaatatc 480

<210> 2142
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 2142
ggnganntca acctcactaa agggaacaaa agctggagct ccaccgcggt ngcggccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gaggtctgat ttcttcacac 120
ttgtaaacaa ttgtattata tatgcatact gtatattttg tagttataag aagaaaaata 180
ccagaattta aaatgcagtc acaatgtgtt atgttttcag atgacttacg tatgtttttg 240
ttcatcagta ttttaaaaaa taatcacctg tttgtgaaaa taatggtttt gaaaacagca 300
ttatgatgag agggaacttc gtaatttcat gagaatgtag atggtgactg tttaagtggg 360
agctcacata ggcattaaca tcaccctcct tttgcacagt ccttttaagt ctcctgttaa 420
acatctttta ttgtgtgtat ttaaaggcac acagatgctt tttcctgtat tcatcttaca 480
aatttaccta catattcagc 500

<210> 2143
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<400> 2143
gangtcnanc ctcactaaag ggaacaaaag ctggagctcc accgcggtgg cggccgctct 60
agaactagtg gatccccccgg gctgcaggaa ttcggcacga gcttttggct tctagttgat 120

tacttttttt ttccctgcaa atttgggttt tgattacttg agcatagtga tcaaaaaaga 180
tcactgggca tccatatacc gtttcattaa tgattaatgg actacaatat tgacttgtct 240
catgttatca aagttataat ctgctttata tagcaagttc actttgcttt aaacagcttt 300
taatttatat tattgttctt gaaaaggtga gtaaatatgc aaattgaata attttaaaat 360
ccaagggcag gttttgtaag aaacttagag ggcagagagg aatttttgta aaggggaaaa 420
attatttat ttt 433

<210> 2144
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2144
gaaaaatcac aagccttctg tacttttagg ctttgatatg tctgaactta aaaatgtgaa 60
acatagattg aactttgaat atgaaccata aaacttgcaa aaaaaaaaaa aangnacntt 120
taangtagn 129

<210> 2145
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2145
cgggcccgag atgtctcgct cntttnccnt agctntgctc gcgctactct ctctttctgg 60
cctgtaggct atccagcgta ctccaaagat tcaggtttac tcacgtcatc cagcagagaa 120
tggaaagtca aatttcctga attgctatgt gtctgggttt catccatccg acattgaagt 180
tgacttactg aagaatggag agagaattga aaaagtggag cattcagact tgtctttcag 240
caaggactgg ctttctatct cttgnactac actgaattca cccccactga aaaagatgag 300
tatgcctgcc gngngaacca tgtgactttg tcacagccca agatagntaa gtgggancga 360
gacatgnaag cagcatcatg gaggtttgaa natgcccgca attnggaatg gatgaattcc 420
aaa 423

<210> 2146
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 2146
gccacagtct aaggtgctgt acattacctc aaatccgatg agtctctgtc aagcaagcag 60
acatcagcca aatgtgaatg atctcttggt tcatggaatg cctctacagc caagaaatct 120
ctccctaatg gacaagctcc tagatcttga tgacaagcta cttatgaggc ctgggtccag 180
taccatcctt tcaactcgaa attggccaaa tcgagctgtg gagtttagta catcatctct 240
gtcatacaca gtgcagtcca ccaggagacg caatccacca ccacgaactc ttcatccgat 300
cagcacganc cattcatgtg ctgaaacacc aggatctgtg gaagaaattc tcagaggagc 360
ccgagtccca ntggcacccg actcgctctc cttctccctc accgacgccc ctgagttgaa 420
attaatctgc taccacctat tgggcacagc tgaagtgnaa acatgtgatc actgtgnggg 480
tcacagagac aagatgaatc cccaatggan actntantc 519

<210> 2147
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (484)
<223> n equals a,t,g, or c

<400> 2147
aattcggcac gagcattgag gtgcggaatt acagcagatt gaaacctggg taccgatggg 60
aacggcagct ggtgttcagg agtaagctga ctatgcacac agcctttaat cgaaaggaca 120
atgcacaccc agctgaggtc actgccttgg gcatctccaa ggatcacagt aggatcctcg 180
ttggtgacag tcgaggccga gttttcagct ggtctgtnag tgaccagcca ggccgttctg 240
ctgctgatca ctgggtgaag gatgaaggtg gtgacagctg ctcaggctgc tcggtgaggt 300
tttcactcac agnaagncga caccattnca ggaactntgg gtcagctctt ctgccagaag 360
tncatcgctt tnaatctgaa tnaaacgttt gaaatttcat cccggtgngt gtttgtcaga 420
cttgttattn tanttccagc ttngggnggt nagaggttgg cncgaatttt gagntcacca 480
gttngtgggc ctggttgcc 499

<210> 2148
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<400> 2148
gatgaattga gtgaagctct cctacttata aaggctcaaa aagaacaaaa aaatggagac 60
ctttcctttt tagtgaaagt agatagtgaa attaataaag atctagaacg ctctatgaga 120
gagctgcaag caactcatgc agaaacggtg caagagctgg aaaagacaag aaacatgcta 180
attatgcaac acaaaattaa taaagattat cagatggagg ttgaggcagt gacccgtaag 240
atggaaaatt tgcagcaaga ttatgaactc aaagtggaac agtatgttca tcttcttgat 300
atcagggctg cacgtatcca taaactagaa gaagctgtaa gtttggggag catataagtg 360
ttcttcagct gttggagttt tgcatattct ccatanccaa aattttcaca gaaaagcaag 420
gcagatattc acgttggtga tatttggttg gcctctgtat ataacggtga a 471

<210> 2149
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<400> 2149
ggaacggggn ggaantgtga acctcttaaa gttggtcccc tgccngtacc ggtccggaat 60
tcccgggtcg acncacgcgt ccgtncaaga tggtgccacc ggtgcaggtc tctcngctca 120
tcaagctcgg ccgatactnc gncctgttnc tcnatagtgg cctacgganc cacgcgctac 180
aattacctaa aacctngggc agaagangag aggaggatag cancagaaga gaaagaanaa 240
agcangatga actgaaacgg attgccagaa aaatggcaag aaagatgcag cattattaaa 300
agtgaagttg aannatgngg aaccanttct tttggaacca ancat 345

<210> 2150

<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<400> 2150
agtcgctctc ctagcccttc tntgtgcctc agcctctggc aatgccattc aggccaggtc 60
ttcctcctat agtggagagt atggaggtgg tggtggaaag cnattctntc attctggcaa 120
ccagttggac ggccccatca ccgccctccg ggtccgagtc aacacatact acatcgtagg 180
tcttcaggtg cgctatggca aggtgtggag cgactatgtg ggtggtcgca acggagacct 240
ggaggagatc tttctgcanc ctggggaatc agtgatccag gtttctgggn agtacaagtg 300
gtacctgaag gaagctggta ttttntgaca gacaagggcc gtatct 346

<210> 2151
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2151
gcaggggct gctttgcatc tgaaactgtc agccccagaa tgttgacagt cgctctccta 60
gcccttctct gtgcctcagc ctctggcaat gccattcagg ccaggtcttc ctcctatagt 120
ggagagtatg gangtggtgg tggaaacgat tctctcattc tggcaaccag ttggacggcc 180
catcaccgcc ctccgggtcc gantcaacac atactacatc ntnggtcttc aggttgccta 240
tgggcaaggt nttgaacnaa ctattttngt ttgttcccca accggaaaac ctggaagnaa 300
aatcttttct tgccccccct ggggaaatcn 330

<210> 2152
<211> 544

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<400> 2152
ttttttagc atcatgttta cgcccttgga cagatacant gatagaaata tgcaaattaa 60
tagacatcaa tactgtgcgt taaaggctat gtctgctgta ctgtgttgtg gccctgttgc 120
agataatgta ggactttcat cagatggcta tttgtacaaa tggttggata acattttgga 180
ttctctggac aaaaaggttc accagctggg ctgtgaagca gttacgttgt tactggagct 240
gaaccctgat cagagcaacc tgatgtactg ggctgtggac cgctgctaca cgggctccgg 300
gagggtggcg gccggctgct ttaaagccat tgctaatgtt ttccagaaca gggattatca 360
atgtgacaca gtgatgcttc taaatctgat actgnttaaa gcagctgatt cttctagaag 420
tatctatgaa gttgctatgc aacttttaca gattctggaa ccgaagatgt ttcgctatgc 480
tcacaaattg gangttcaga gaacagaatg gaggactcac ccagtggntc ctntacacaa 540
tntn 544

<210> 2153

<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<400> 2153
gcggacgcgt gnttggacgc gtgggtggag cagtcttcca aatttatatt atcaaggacc 60
tggagaagct actcatgata gcaggagaag agcgggcact gtgtcttgtg gacgtgaaga 120
aagtgaaaca gtccctggcc cagtcccacc tgcctgccca gcccgacatc tcacccaaca 180
tttttgaagc tgtcaagggc tgccacttgt ttggggcagg ccaagaattg agaacc 236

<210> 2154
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 2154
ggcgccgtgt gcggttaggg cttctgccgc tcctccacgc ttgngcagca tnaccgggtc 60
cacantggcg agcggcctta caagtgcgat gactgcngaa aggccttntc ccanagctcn 120
gacctcattc gccaccaacn gacccacncn gnagaccnnc nctnacctgg ggccccagca 180
tgggtggnag gtgtnggcag aagataatgg nccngggagc tanaggaacc tttagggatg 240
atagtgtaga agccgtagga gaatggaatg agctgangat gctggaanaa gagaaccant 300
ggtggaggaa gtgacatgcc ctgnagactt gtgggaagtg gttgtaggg aggccatgnc 360
ggtatacggg aggccttgan agaaatggag agaggtcaan tn 402

<210> 2155
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 2155
gtgaacttcg gtgttcctta cagttagcgg aaacggaaag ggaaggagga ttttctccac 60
acatttctcc tttcactgct gtcaatgacc tgggacatct gcttgggaga gctggcttta 120
atactctgac tgtggacact gatgaaattc aagttaacta tcctggaatg tttgaattga 180
tggaagattt acaagaacaa aagtccagaa tgttgaccta attttacaaa acaagctgca 240
tatcagctga tgaatgcatg agaaattttc aaggctttca cagtggtctt aaggtatggg 300
tganagtaac tgtgcttgga atagaaaagc cctgctgcat cgagacacaa tgctggcagc 360
tgcggnagtg tacagagaaa tgtacagaaa tgaagatggt tcagtacctg ctacatacca 420
gatctattac atgataggat ggaaatatca tgagtnacat gcaagaccaa cttgaaagaa 480
gtttccgaac tgtggcattt tg 502

<210> 2156
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<400> 2156
cccntagnaa actcccnntg gaaggaccgt tgggacgcct gtangtaccg gtccggaatt 60
cccgggtcga cccacgcgtc cgcccacgcg tccgcccacg cgtccgggag ttccggaaag 120
ccaaggccag ctccacaggc agcttcacag cacctgatcc cggcctgaag cgcaagtccc 180
ctcctgaggc cctgtcaggg tccttacccc cagccaccac ctgccccgcc tcgtccacgc 240
ctgcgcccac tatcatccct gctccagctg cccccgggaa gccagcctcc gcagccaccg 300
tgaagaggaa gcggaagagc cggtgggggc ctgaagagga taaggtagag ctcccacctg 360
ctgaactggt gcagagggac gtggatgcct ctccctcgcc tntgcagntc aggacctcaa 420
ggggctcggn tatgagaagg ggaagcctgt gggnctaang ggcg 464

<210> 2157
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<400> 2157

tggactnctc ccggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt 60
gtttcgcctt ttatgcctat cactaccgct tcaatgggca gtatagcagc ctggccctgg 120
tcacctactg gctcttcatc caggtgaggc ctgggcggca agcagggggc aggccagccg 180
tgcctttcca ggcaggagag gctgcagccg gngaggatgc cctgtggggt cggcccaagc 240
gggcagaggt agcgtggatg gtcccggntg ggctgncctc tgnnagcagc ggctgggtgg 300
tcaagggcgg ncccgt 316

<210> 2158
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<400> 2158
ggcacgagcg cttgtggagc tggtggcggc gctcccaggg gctcggctgt tttccgcgcg 60
gcaggnctcg atggcgcact gggtaaagct ctcaaggagc agaagtacga ccggcagctg 120
aggttgtggg gtgatcatgg gcaagaggct ttagaatctg ctcatgtttg cctaataaat 180
gcaacagcca caggaactga aattcttaaa aacttggtac taccaggtat tggttcgttt 240
acaattnatt gatggnaatc aggtcagcgg agaagatggc tggaaaacaa tttncttcct 300
tcaaagaagc anttntcggg caaaaaccga gctggaaagc ngaccatggg aatttcttan 360
ca 362

<210> 2159
<211> 79
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 2159
gacctcgtcc gccaaggatg tgccagccgg cagcttgcgc actgccctca atgagctcaa 60
gagactgata canagcatt 79

<210> 2160
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 2160
gggtatgcag taacatttca gaatgttttg tgtgcgtgtg aagggtgcac aggtgcgtgg 60
ggatggggag ccaggctcag aggtggacgc tggctgcctg ggccacctcc tttcccgagc 120
cccatctggt cgagcagaga gcagagggag agggagttgc ccggtgccca ggctcccaga 180
gtgctgtcct ctgcccggtt cgtcaagtcc aggtagtgga tcccagtgga gcttcggtgc 240
tggaggcgtc tctgcctcgt ttccggctcc atgttacgct cttagaaacg gagttgattg 300
tggttgaggc ggaaggaagg gttccccgca nacgtcctct ctcttctaca aagtgtgggc 360
aanagccagg gccagtgagg gctgctgtgc atgagtggcc tgagacaaag cgctgtncnc 420
cgttgagana tgggctccna agaaac 446

<210> 2161
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)

<223> n equals a,t,g, or c

<400> 2161
gggcctgtcc acgtcccct ctgtccttaa ctccaggaga ccttggctca cgtggacagc 60
aatggagttg ggggaagggc cctgaaggca gccccaggcc tgactgtggg cctccagcta 120
caggcatttg tgtttgggca ccagctaccc cacatcccag ccggtcatct ctgggcataa 180
acccccaccc cccagaaagg aggcttcctg tccctcttgg gcaccagctc agccaaaagc 240
cagaaagctg ctctggagca taacctgacc cccccacggc gaggcagggc agtcttctct 300
ggctggcact gctctgggca tagaattgat ccttcatcaa nctttacccc aaaaaagaag 360
ngtcttcctg ggtgaaggac aaagtngggg aaggcaacan ggctggggct taaangccct 420
tcaccagcca ttcaagggtt gccttttnaa 450

<210> 2162
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<400> 2162
agcttcctct gggaaacgcc ccantatagg gatagctggt acgcctgcag gtaccggtcc 60
ggaattcccg ggtcgaccca cgcgtccggg acccaacttc tctcaccgcc atggagttcg 120
acctgggagc agccctggag cccacctccc agaagcccgg tgtgggggcg ggccacgggg 180

gagatcccaa gctcagtccc cacaaagttc agggccggtc ggaggcaggg gcaggtccgg 240
gtccaaagca aggacaccac agctcttccg actccaagca gcagctccag cgattcggac 300
acggatgtga aggtaagggg ctctcgcagc gtcccaagca cgtgccctgc accccanaga 360
ggcgtccccg actggggctg gcggngaggg tgcnnngagt ggtcc 405

<210> 2163
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<400> 2163
gggggcttgg cctcaagcat ctctggaagc ctgctgtgga ggcctatgga gagtttctct 60
gcatgtttga ggaaaattat cccgaaacac tgaagcgtct ttttgttgtt aaagccccca 120
aactgtttcc tgtggcctat aacctcatca aacccttcct gagtgaggac actcgtaaga 180
agatcatggt cctgggaggt ggcagtttat gtcagatgga gcggatgttg gttttgggat 240
tttcctgaag accnagatgg gagaanaggc ancgngcagn 280

<210> 2164
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 2164
tggcgacact ggatcgnaaa gtgcccagtc cggaggcgtt tctgggcaaa ccnnggtcct 60
cctggntcga cgncgccaaa ttacactgct ccgacaatgt agatttagaa gaggctggaa 120
aagagggtgg aaaaagcagg gaggttatga ggcttaataa agaagatatg cacttatttg 180
gccattaccc agcacatgac gacttctatc tcgtagtgtg cagtgcctgt aaccaggtcg 240
tcaagccaca ggttttccag tcgcactgcg ccgggcctgc aactgttcca ccttctggat 300
cctccttcag cttctctgac tcctgggcca ggtgtgtgca tttagctcca tgctgaagag 360
ctgcagcttc tgcaggacat ttgtaccatc gaggtcaaag gcaacaagaa gtgacatgag 420
tttcagtcca tcttcatgag gttccagtta aggcctgtga attcgcaatt gttcttcccg 480
actgcctg 488

<210> 2165
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<400> 2165
ggttaaaagt ggantgtatg ttgtnataga agttaaagtt gcanctnatt atggaataga 60
nataacctgt cnaanttatc tgatgacana ttaccaangt gctccccat ccccacagta 120
tagaangatt atttgcatgg gtgcanaana naatggnttg ccgctggant atcaanagan 180
gttaanagcn ttanaaccaa atgactatac ntgaaaggtc tcanaagaaa ntgangacat 240
catcannaag ggggaaacac anactcttta gancataaca gaatatatct aagggtattc 300
tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360
tngatccatt ttcannagtg ctctgagagg agtatcttac ttggggtgac tccttgtttt 420
tagactatac tcagaaactg ggatanggag ttanaccatt taaaacgggt gtatganggc 480
ctgnaatatg tgacaantga at 502

<210> 2166
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2166
gcgggtgccg agcactgcct ccgggcttcc cccaangacc acgcttagcg gtggcttctt 60
cgttgctgta attgaacggg tcnanatgcc nacgtgagtg agtgggggca tgcttgggaa 120
gcgcaggatg gtactggcac atctaacatc tacacttctc tagctcancc tcacaggcca 180
aagcatcagc accanaacgc acacccancc catccccnna nagaaagaan gaaacagcca 240
agaccccacc cggtgcttgc acaccgcctt tgcacatanc aaaagctcca ngnttactcc 300
ttcctggttg ggaaaanaan atgcctntcc tctccctgga aagacctggg ccctccccgc 360
aggcaacaat ttgcattttg aaaagttatt gggttccttc ctccnggctg tnttcttgct 420
tgttaaccaa aatttttcct nccnaaatta aatnc 455

<210> 2167
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<400> 2167
gaaagagttg gaattgtaca aagaggaact tcagacaaaa cctgcactct tggcagttaa 60
taaaatggac ttgccagatg cccaagataa gttccatgaa ttgatgagcc agctccagaa 120
tcctaaagat tttctgcatt tatttgaaaa aaacatgatt ccagagagga ctgtagagtt 180
ccaacatatc atccccatat ctgcagttac tggagaagga atcgaagaat taaagaattg 240
tataagaaag tcactggatg aacaggccaa ccaggaaaat gatgcacttc ataagaaaca 300
gttgcttaat ttgtggattt ctgatacaat gtcttctact gagccaccat caaagcatgc 360
tgttactact tccaaaatgg atataattta aatatattaa aaatggtatt gatggaacag 420
taaaaaaaaa annnnn 436

<210> 2168
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<400> 2168
aggaaacagc tatgaccatg attacgccaa gctctaatac gactcactat attnganngc 60
tggtacgcct gcaggtaccg ggccggaatt nccggatcga cccacgcgtc cgctggagag 120
agacctttcg aatgtattga atgtggaaag gcctttagta atggttcatt ncttgctcag 180
catcagagaa ttcatacagg agagaaacct tangtgngna atgtgngngn gaaagccttt 240
agccatcgtg gatacctaat tgtacatcag agaattcata ctggngagag accctacgaa 300
tgtaaggaat gtangaaagc cttcagncag tatgcacacc ttgctcaaca tcagagagtt 360
catactggag aanancctta tgaatgtaaa gtattgtnng aaagccttca gncaaattgc 420
ataccttgat caacatcaga gggntcatac tggagagaaa ccctatgaag gtattggaat 480
gnnggaaggc ctttagcaat agttcatcac ttgcacaaca tcagnngaag catactggag 540
aa 542

<210> 2169
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 2169
ataatcggga tcaggtgcgc gttctcgctg ataaacggct gaagtnacca gacggtgcca 60
agncttntnc tttatgcagt ccctgaacta ccaggaagat aaacaccacc atgatggaga 120
tttgcaccag tacaaacagg gtattgaagt tagcgaccag gttgacgctc ttcagattcg 180
cggcggttaa aatggcgacg aggttaccac ccacanccan ggggggcact ttccggggaa 240
gagggcgggg agatagattt tnggccaaca agacgttaat natngggcaa aaanggggnt 300
aattccagcn agggntgnnc caggcngntc cataaantnc cgnngngggg gntnaaatnn 360
gntttntnnn gnggnnggnt attagggncc cnanccgttt annggggaat ttgggggggaa 420
gccatttng 429

<210> 2170
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<400> 2170
gcggacgcgt gggttctagt cgttttcaaa gcgcctcgcg ctgattctca cgggcccggc 60
tgccggcccc cgctctgccc tggattggta gcttatgtcg atcttgatga aagagcaatt 120
gatgctctca gggaatttaa tgaagaagga gctctgtctg tactacagca gttcaaggaa 180
agtgacttat cacatgttca gaacaaaagt gcatttttat gtggagttat gaagacctac 240
aggcagagag agaaacaggg gagcaaggtg caagagtcca caaagggacc tgatgaagcg 300

aagatcaagg ccttgcttga gagaactggt tatactctgg atgtaaccac aggacagagg 360
aagtatggtg gtccttcacc agacagtgtg tactctggcg tgcaacctgg aattggaacg 420
gangtatttg taggcaaaat accaagggat ttatatgagg atgaattggt gccccttttt 480
gagaangccn gacccatttg ggatctacgt cttatgatgg atccactgtc cggcagaata 540
ganggtatgc atttatcacc ttctgnggna aaggaanctg ncaggaagcc c 591

<210> 2171
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<400> 2171
cgcgagccga ccaaaggaac cataactgat ttaatgagct aatacatgcc gacgggcgct 60
gacccccttc gcgggggga tgcgtgcatt tatcagatca aaaccaaccc ggtcagcccc 120
tctccggccc cggcnggggg gcgggcgccg gcggctttgg tgactctaga taacctcggg 180
ccgatcgcac gccccccgtg gcggcgacga cccattcgaa cgtctgccct atcaactttc 240
gatggtagtc gccgtgccta ccatggtgac cacgggtgac ggggaatcag ggttcgattc 300
cggagaggga gcctgagaaa cggctaccac atccaaggaa ggcagcaggc gcgcaaatta 360
cccactcccg acccggggag gtagtgacga aaaataacaa tacaggactc tttcgaggcc 420
ctgtaattgg aatgagtcca ctttaaatcc tttaacgagg atccattgga gggcaagtct 480
ggtgccagca gccgcggtaa ttccagctcc aatagcgtat attaaagttg ctgttg 536

<210> 2172
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<400> 2172
tctagaacta agtggatccc ccgggctntn tgaatttggc acgaggcaac gcctacgggg 60
ggaggntnaa tggcncggac atggaagccc acgctggtca tcctgnggat caaacgggct 120
ggccgatgcn tgcgctgggn ccccaacgag aacaaggttg ctgtgggcaa cggatctngg 180
gaganctcca tctggtattt ccagcaagga gaatgactag gngggtttag caaagcacat 240

naagaagncc at 252

<210> 2173
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<400> 2173
gattttnacc aaatgttaca agaaattcaa gaagtgaaaa ctcctgaaga actagagacc 60
tttatgctta aacatggaga aaatattatt gatactttag gagctgaagt agatagactt 120
gagaaggaac tgaaagtaag atgtattcat aaaaataaca taatgataat ggcagctatt 180
tttttgagta cttactctac agcagacact aagtgcatcc atcacatgca tgctttaacc 240
cactcataac tccacagtgt gtaggtattt ataagcaaga aaatgactgg gttagataag 300
ttgaataatt tacccaagga aatagggaaa ttgngatttg aaccagattc tttacttttt 360
aaacactatt tatgcagcct gcttagtttc taaaatagtc aaaggggttt tttttggttg 420
gtaataaata acattttgaa agtcctanaa naaagatgaa aaggaacttt anactnnggg 480

<210> 2174
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<400> 2174
gtggaagtgc tgtgccatgg gcagcttcga cttggagata gagaactcag aanacagatt 60
cccaggggga gtgagataan cacaccatct ctacagggct tacagcttcn ccatgggctg 120
ctggcccaag aatggacttc tanacatgaa caagggcctc agcctgcaac acataggccg 180
gccccacacc ggcattgacg actgcaagaa acattgccna catcatgaan acactcgcct 240
atcgaggctt catcttcaag cagacatcna anccgttctg attggcccaa gacaagatgg 300
ggcacgacaa ggtnactgtt tggcccaccc aaaatcctcc tctccctcac canaagggaa 360
aaaggaaaat ggcatactct gtgtccagaa tgtcccanct gcctgtnggc tctgcccttg 420
gcgttggctt ttcccttgca agggctntgc ccttgggcct tctggaacaa aacttttttc 480
cccccatccc accctcatct cacccagtat caccccctcc ttgcgggctg ggctagggga 540
accaggatcn cccctctccc tgttcacagg c 571

<210> 2175
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 2175
cacaggcggc tgtgcctaaa caggaggagg ccattcacgc ctcgcctgag ttgtgtccaa 60
ggtgtgcgtg tggccagggg tccatccgct tccctctagc ccagcccctg aacacagctg 120
cagtgcacgg ccccactcct cagctctgct ccccatccca actcgaagac gctgccctgg 180

ccctgtgtgt gcagctcatg tggactggga gggcagggca ggtgcaggtc ttggggcaag 240
agctngagct gtcttttcct tcctgcacag ccgcagagca ggtggatggg gctgcttccc 300
tgcaaggccc cagggccagg ccccctgggg atttattcgt ggcttagaag ggtggggcca 360
gaagcaggcg tagtggggat tagggactca gcacccccag ctctcagtcc agcagacaga 420
cccaccccag gctgactaca gaggct 446

<210> 2176
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2176
gagggaaaag gccttgaagg gccattagac ctgataaatt atatagacgt tgcccagcaa 60
gatggaaagt tgccttttgt tcctccggag gaagaattta ttatgggagt ttccaagtat 120
ggcataaaag tatcaacatc agatcaatat gatgttttgc acaggcatgc tctctactta 180
ataatccgga tggtgtgtta cgatgacggt ctgggggcgg gaaaaagctt actggctctg 240
aagaccacag atgcnagcan tgaggaatac agactgtggg tttatcangt gcaacannct 300
ggaacaanca caagccattt gcanggctnt atacaccgct tttgactctg tattaacatc 360
tgagaaaccc ttgnatcctt nnaattaagt agaagnctaa cttnatctga aaagttcatc 420
tgttttcaaa ctgcaatgct gaaatgttat tg 452

<210> 2177
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<400> 2177
ccgccgcggt acacggccgt atattactgt gcgagagatc ccacggagag atggctgtca 60
cagaaatccg tactactttg actactgggg ccagggaaac cctggtcacc gtctcctcag 120
cctccaccaa gggcccatcg gtcttccccc tgggcaccct cctccaagag cacctctggg 180
ggcacacggg ccctgggctg cctggtcaag gactacttcc ccgaaccggt naggtttctt 240
ggaaactcag gcgccctnac cagcggggtt tcacaccttc ccgggtgttc ctacagtcct 300
caggantcta ctcccctcagn agnttnntta accgtgccct cccagaagct tggggaccaa 360
aaactact 368

<210> 2178
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2178
gcaccattcc ggggccccaa ggaccgggcc cgcaagttgg ccgaggtggg cagccacgag 60
aaggtggggc agnacccatg ctgcgtgcgg ctggagcagg cctgggagga gggcggcatc 120
ctgtacctgc agacggagct gtgcgggccc agcctgcagc aacactgtga ggcctggggt 180
gccagcctgc ctgaggccca ggtctggggc tacctgcggg acacgctgct tgccctggcc 240
catctgcaca gccagggcct ggtgcacctt gatngtcaag cctgccaaca tcttcctggg 300
gccccggggc cgctgcaagc tggttgactt cngactgntg gtanacttgg gtacagcna 359

<210> 2179
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 2179
gcggcacgag caatcatata ccaaatctct ccctcactaa acgtaagcct nctcctcact 60
ctctcaatct natccatcat agcaggcagt tgaggtggat taaaccaaac ccagctacgc 120
aaaatcttag catactcctc aattacccac ataggatgaa tnntagcagt tctaccgtac 180
aaccctaaca taancattct taatttaact atttatatta tcctaactac taccggatnc 240
cnactactca actnngggtc cagcaccacg ancctacnan tatctcgnan ctgaannaat 300
ctaacatgac taacaccctt aantccatcc accctcctct ccctangaag cctgcccccg 360
ntnaccggct ttgagcccag atgggccatt gtccaaaaaa acacctnaaa c 411

<210> 2180
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<400> 2180
gctcgcgccg aggggctgcg agagtgaccg cggctgctcc agcgctgacg ccgagccatg 60
gcggacgagg agcttgaggc gctgaggaga cagaggctgg ccgagctgca ggccaaacac 120
ggggatcctg gtgatgcggc ccaacaggaa gcaaagcaca gggaagcaga aatgagaaac 180
agtatcttag cccaagttct ggatcagtcg gcccgggcca ggttaagtaa cttagcactt 240
gtaaagcctg aaaaaactaa agcagtagag aattacctta tacagatggc aagatatgga 300
caactaagtg agaaggtatc agaacaaggt ttaatagaaa tccttaaaaa agtaagccaa 360
caaacagaaa agacaacaac agtgaaagta agtgtcccca gatgcttgtg gcaaatgaaa 420
agatggatac tttaaagatt aatgttgagt atacatctac cacacatatt tttcagccca 480
gagacatttt tccttttgtc aaacacgtga aagtttgggg agaaaggctg aatctgttgn 540
gggagggttc taatttttta taggctcttt gactccattc ccacccttt aagttcacgc 600
ttaagttggt 610

<210> 2181
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<400> 2181
gaggtaacca cgtttcagct cgctgtattg tttgcatgga accaaagacc cagagagaaa 60
atcagctttg aaaatcttaa gcttgcaact gaactccctg atgctgaact taggaggact 120
ttatggtctt tagtagcttt cccaaaactc aaacggcaag ttttgttgta tgaacctcaa 180
gtcaactcac ccaaagactt tacagaaggt accctcttct cagtgaacca ggagttcagt 240
ttaataaaaa atgcaaaggt tcagaaaagg ggtaaaatca acttgattgg acgtttgcag 300
ctcactacag aaaggatgag agaagaagag aatgaaggaa tagttcaact acgnatacta 360
agaacccagg aagctatcat acaaataatg aaaatgagaa agaaaattag taatgctcag 420
ctgcagactg aattagtaga aattttgaaa aacatgttct tgccacaaaa ggaaatgata 480
aaagtgcaat agagtggcta atag 504

<210> 2182
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2182
gatgaccggc tgcgggaaga gcgggcgcac gcgctcaaga ccaaggaaaa gctggcacag 60
accgccacgg cctcatcagc agctgtgggc tcaggccccc ctcccgaggc ggagcaggcg 120
tggccgcaga gcagcgggga ggaggagctg cagctccagc tggccctggc catgagcaag 180
gaggaggccg accagccccc gtcctgcggc cccgaggacg acgcccagct ccagctggcc 240
cttagtttga gccgagaaga gcatgataag gaggagcgga tccgtcgcgg ggatgacctg 300
cggctgcaga tggcaatcga ggagagcaag agggagactg ggggcaagga ggagtcgtcc 360
ctcatggacc ttgctgacgt cttcacgggc ccagcttctg cccgaccaca gacccctggg 420
ggggcccaca cccatgggtt gntgccgtcc cacgggttgc ccaacttgga ccccctggggc 480
gggcccccctg tnccttcanc tgctgnatcc cctggggaag gttcaan 527

<210> 2183
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<400> 2183
gccntngcgt ccgatttaaa tgacatctat gaggaagagc catttaattt tcaaatggtc 60
tataatgagt ttcagaagtt tgttcaaagg aaagcacatt ccgtttataa ttttgaaaaa 120
cctgttgtca tgaaggcttt tgaacacttg cagcaattag aattaataaa gcccatggaa 180
agaacttcag gaaattcaca gagagagtcc agctgatgaa actgcttttg gataatactc 240
aaattatgaa tgctctgcag aaaatatccc aactggncta cagatgngaa gccangggcc 300
acatcctact taacctgggt ntggaatnta acc 333

<210> 2184
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<400> 2184
gctcgtgccg aattcggcac gagtttggac caatccacaa ataaaattgt ctctgactga 60
gaaagatgag gggcaggagg agtgtagttt ccttgtagcc ctgatgcaga aagatagaag 120
gaaactcaag agatttggtg ccaatgtgct gacaatcggc tatgccattt ataattgccc 180
taacaaaaac aaannctnaa acaaaaatcc tccaaatccc ncctcnctcg 230

<210> 2185
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 2185
tnnccacnac tnctatnggg aaagctggta cgcctgcagg taccggtccg gaattcccgg 60
gtcgacccac gcgtccgaag gctttgaaga gaggctccct gctgggctgc ttcattgata 120
ccagaagtgc tgcagaatct gaggcccgga cgccgtttgg tcttattaag ggtcatgcct 180
acagtgtaac gggaattgac caggtaagct tccgaggcca gagaatcgag ctcatccgaa 240
tccggaaccc ttggggccag gttgagtgga acgggtcgtg gagcgacagt tctccggagt 300
ggcgttctgt tgtccaactg agcanaagcg tctgtgtcac actgntctgg atgatgggga 360
attctggatg gcatttaagg acttaaggcc cctttgataa antgganatc tgcancct 418

<210> 2186
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<400> 2186
ggtgctgact ctgcaggggg atgccctcag ccaggcggat gtgaacctga agatgccccg 60
gaacaaccag ctgctgcact tcgccttccg ggaggacaag cagtggaagc tgcagcagat 120
ccaggatgcc agaaaccatg tgagccaagc catttacctg cttaccagcc gggaccagag 180
ctaccagttc aagacaggcg ctgaggtcct caagctgatg gacgcagtga tgctgcagct 240
gaccagagcc cgaaaccggc tcaccacccc cgccaccctc accctccccg agatcgccgc 300
cagcggcctc acgcggatgt tcgcccctgc cctgccgtcc gacctgctgg tcaacgtcta 360
catcaacctc aacaagctct gcctcacggt gtaccagctg natgccctgc agcccaactt 420
caccaagaac ttcgccanct gggggcgcgg ngctgcataa ccctggggcc atgttcnaat 480
ggggctttaa cgcctggang tgaaccacgt nc 512

<210> 2187
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 2187
aaggtgatcc agacgcaana tggctgtcct ctctaangaa tatggttttg tgcttctaac 60
tggtgctgcc agctttatna tggtggnccn cctagccntc aatgtttcca aggcccgcaa 120
gaagtacaaa ntggagtgga cacttccatt angattctca cacactcaat ttctgttctt 180
ctattaaggg aaatcttaaa angatgtggt atttgatgac tcttaagaag ntctatatcc 240
ctacantatc tttgtgatgc atctgaaatc cccattgatg cttnacgtca atgaaaagca 300
cngaattggn gcaaagctgc ctctttccct tntgcaacta cagcgcaaan atacatcctt 360
attcctggat atttaataaa aacattgact ctgcttctga aaattgaaaa ccttgtcncn 420
nnaattttta accaaaattg aatggtctct tcnagggt 458

<210> 2188
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<400> 2188
gcccacgcgt ccncgctgcc cagcctccgg cccgaggccg ctgnccagct cctgcgctcg 60
gngcccaagg tctgcgtcac cgtcctgccc cccgacgaga gcggncggcc ccgcaggagt 120
ttttcggagc tgtacacgct gtcgctgcag gancctagcn ggcgggggcc nccagatnct 180
tgcctgcaag atggtggtaa gtcctccang gcctggngat ctggccnagg agangactga 240
gttcctgcac agtcagaact cgctgtnact acgcaag 337

<210> 2189
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<400> 2189
gcccacgcgt ncggagccac agaaagtatc gacattaggg aaaagcaacg tgatagtaac 60
gggagcaaac tttacccggg catcgaacat cacaatgatc ctgaaaggaa ccagtacctg 120
tgataaggat gtgtgagtcg aaatactaat aatttatcct cggtaacgta acgctcaaac 180
ctgtgccaaa ggaatatcag tgtgattata accttaatat agtcaaatta ttgccatgcc 240
ccaaagcagg ccaattagtc agagtatttg acataatata attccaacac gtaaaataat 300
tttcacaaca gatctgaagt tcattgngag agaatctgtt ctgtgttatt ccccaaaaat 360
ctcaagtata tagtcatttc aagatgttgc ctggttgggg tcttgattca ttttcagtaa 420
caaaatcaag tatatggagt acaaacatna ttctttaagg tgatgcactt tggaaaaaaa 480
nntgagtccc ttgnaatttg atgaaggaat tttttgggag caantt 526

<210> 2190
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 2190
atngncacgn gacccttga gganctacta cgantcacta tagggaaagc tggtacgcct 60
gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgcggacgcg tgggtgggca 120
tgcagctgga cagagcaagc agctctctgt atgttgcgtt ctctacctgt gtgataaagg 180
ttccccttgg ccggtgtgaa cgacatggga agtgtaaaaa aacctgtatt gcctncagag 240
acccatattg tggatggata aaggaaggtg gtgcctgcag ccatntatca cccaacagca 300
gactgacttt tgagcaggac atagagcatg gcaatacaga tggnctgggg gactgtcaca 360
attnctttgt ggcactgaat gggcattcca gttncctctt gcccagcaca accacatcag 420
attcgacggc tcaagagggg tatgagacta ngggaggaat gctggactgg aagcatntgn 480
ttgactcanc tgacagcaca gacccttgg gggcaaggnc ttnccataat caccaaagac 540
aagaagggag tga 553

<210> 2191
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (610)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 2191
gcatgggagc tgttcagcag tttaacttag atgtcataca gtgtgaattg tttgccagct 60
ctgagcctgt gccaggattc caggggggata ccctgcagct agcattcatt gacctcagac 120
aactccttga cctgtttatg gtttgggatt ggtctactta cctagctgat tatgggcagc 180
cagcttctaa gtaccttcgg gtgaatccaa acacagccct tactcttttg gagaagatga 240
aggatactag caaaaagaac aatatatttg ctcagttcag gaagaatgat cgagacaaat 300
agaagttgat agagacagtc gtgaaacagc tgagaagttt ggtgaatggt atgtcccagc 360
acatgtagac ctcacatggc ttgcactcag tgacaccaaa tccatgattc aatgttgatc 420
ttgagcaagt attggtcatg atacagtaat ttgtttacag aatccaaaaa tacaatagag 480
aagatacatg agggcttaaa caagaaatag taataaatat cattngtatt ggatttttaa 540
ataatcgatc tattttatat atggaaaaaa aatgaccatt ttttcacttt taggggnaaa 600
attgcnaaan nngtaatact taaattg 627

<210> 2192
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<400> 2192
ggggaccact ntcttcttgg tacttctcag attttttttt ctttataacc cgtatgaatg 60
gtaggatcat tccttttttt gttccattta gagaaataac gtatgcagtg ggacccaaat 120
tctttttcac tcattgcatt attttgctct aaatacaggt aagtgtgtta acagaccagg 180
tggaggctca gggagagaag attcgagatt tggagttttg cttgaagagc acagagagaa 240
gttgaatgcc acagaagaaa tgctggaana ggtatgtcaa aggccagaac caagatggga 300
ttccctgntg aactntgtga natgctgcat tctntgttgg gtt 343

<210> 2193
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (624)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<400> 2193
gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg 60
agaagacgac agaaggggtt ttcgcaacgg gtttgccgcc agaacacagg tgtcgtgaaa 120

actaccccta aaagccaaaa tgggaaagga aaagactcat atcaacattg tcgtcattgg 180
acacgtagat tcgggcaagt ccaccactac tggccatctg atctataaat gcggtggcat 240
cgacaaaaga accattgaaa aatttgagaa ggaggctgct gagatgggaa agggctcctt 300
caagtatgcc tgggtcttgg ataaactgaa agctgagcgt gaacgtggta tcaccattga 360
tatctccttg tggaaatttg agaccagcaa gtactatgtg actatcattg atgccccagg 420
acacagagac tttatcaaaa acatgattac agggacatct caagcttgac tgtgcttgtc 480
ctgattggtt gcttgctggt gttggtgaat ttggaagctg gnatcttcca agaatgggca 540
agaccccgag agcattgccc tttctggntt acaccacttg ggtggggaaa caacttaaat 600
ggcgggggnt naacaaaaat gganttccac ttgggcccnc cc 642

<210> 2194
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<400> 2194
gtgaaaaacc atatggcata gttgaaaaga agtccagaat attccctggt gatacaattc 60
tggagactgg agaagtaatt ccaccaatga aagaatttcc tgatcaacat cattaaagat 120
tatgtaaaaa gttaaaaggc ttatgagcct aagtttgttc ctatattacc atatttactg 180
aattttctgg aaannaact tttaaataaa antttaatct cagaaatttg tcattgnnc 239

<210> 2195
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<400> 2195
gcgggcgcag acggcggcag tgcggcttgc tcttggaagt tcaggctcgg ttgtcttttg 60
ggagccatgg agagtgactt ttatctgcgt tactacgtgg ggcacaaggg caagttcggc 120
cacgagttcc tggagtttga gtttcgaccg gacgggaagt taagatatgc caactcagct 180
gctgctgntt ccatgtgttc tgggttcana ggtcatggct ncaccggtca gagcnctgag 240
tgnctcaggg tttggcaatg gaatttttaa tgtaataaat ctttatngaa 290

<210> 2196
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 2196
ggcanagcag agagcagtgt acgatgagca gggaacagtg gacgaggact ctcctgtgct 60
cacccaagac cgagactggg aggcgtattg gcggctactc tttaaaaaga tatctttaga 120
ggacattcaa gcttttgaaa agacatataa aggttcggaa gaagagctgg ctgatattaa 180
gcaggcctat ctggacttca agggtgacat ggatcagatc atggagtctg tgctttgcgt 240
gcagtacaca gaggaaccca ggatgaagga ntatcattca gcaagctatt gacgccggag 300
aggtcccatc ctntnaatgc ctttgttcaa agattcgaaa caaaggtgna tgcaagggaa 360
aaggngggct caggang 377

<210> 2197
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 2197
caaagagtct accctgcacc tggtgctccg tctcagaggt gggatgcaga tcttcgtgaa 60
gaccctgact ggtaagacca tcaccctcga antggagccg agtgacacca ttgagaatgt 120
cgaggcaaag atccaagaca aggaaggcat ccctcctgac cagcanangt tgatctttgc 180
cggaaaacag ctggaaaatg gtcgnnccct gtctgactac cacatccaaa nagatccacc 240
ctgcacctgg tgctccgtct canangtggg atgcaaatct tccngaagac ctgactggta 300
anancatcan tctcgaantg gaccaaatgn cacnttgaca atatcgnngc tagatcccan 360
acaaagaaag ngnccctcct gaacancana agttgatctt ttggtgggga aacanttgga 420
anatggaccc ccctgtcttg actacnacat cccgaaagat ttccccccct gcnccttggg 480
tgctncccnc ctttataang tgggggatgc aaaatcttcc ctntcaaaaa accccgaatt 540
g 541

<210> 2198
<211> 282

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)

<223> n equals a,t,g, or c

<400> 2198
agggggatnt caatcggaaa cnctaacaan tttacccagg aaaccgctat gaccatgatt 60
acgccangct ctaatacgac tcactatagg gaaagctggt acgcctgcag gtaccgggcc 120
ggaattcccg ggtcgaccca cgcgtccggg gttcagagct ttctggagng atatcttcag 180
cttgtgatna agagncaaat atggaacgaa gagngatcac gatttctaaa tcagaatatt 240
ctgngcactc atctttggca tccaaagntg atgttgagca gg 282

<210> 2199
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<400> 2199
ggcgttcttg gcgtcgggac cctacctgac ccatcagcaa aaggtgttgc ggctttataa 60
gcgggcgcta cgccacctng agtcgtggtg cgtccanaga gacaaatacc gatactttgc 120
ttgtttgatg agagcccggt ttgaagaaca taagaatgaa aaggatatgg cgaaggccac 180
ccagctgntg aatgaagccc anggaaagaa ttctggtacc gcagnattna cagccataca 240
tcttccctga ctctcctggg ggcacctcct atgagagata cgattgctac aaggtcccan 300
aatggtgctt anatgacttg gnatccttct gagaaggcaa tgtatcctga ttactttgcc 360
aagagagaac agtggaagaa actgcggagg gaaagctggg aacnagaggt taagcagntt 420
gcaggaggaa acgccacctg gaggtccttt aactgaaagc ttttgccccc tgcncgaaan 480
gaangtgatt ttgcccccac ttgtggn 507

<210> 2200
<211> 331

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<400> 2200
gcgctgttgc ttgggaaaaa gggcatcgag aagaacctgg gcatcggcaa agtctcctct 60
tttgaggaga agatgatctc ggatgccatc cccgagctga aggcctccat caagaagggg 120
gaagatttcg tgaagaccct gaagtgagcc gctgtgacgg gtggccagtt tccttaattt 180
atgaaggcat catgtcactg caaagccgtt gcagataaac tttggatttt aaattgcttt 240
ggngatgatt actggattga catcatcatg ccttccaaat tgggggtggc tctgnggccc 300
cttaataaag ccgncttgat tttaaaaaan n 331

<210> 2201
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<400> 2201
ctcgtgttct tgctgatatt accaagtcat tgactaatcc tacgccaata caacagcaac 60
tgagacgctt cactgaacat aactccagtc caaatgtcag tggaagcctc tcctctgggc 120
tgcagaaaat atttgangac cccactgaca gtgatttgca taaactaaaa tctccaagcc 180
aggacaacac agacagctac ttcagaggga aaacattatt gctggttcag caagcctcct 240
ctcagagcat gacttattct gaaaaggatg aaagggaaag tagccttcct aatggtcgga 300
gcgtctccct catggacctc caggncactc atgctgctca agtggagcat gcatctgtca 360
tgcttgatgt gcctatacgc ttgaccggaa gccagctttc cataacccag gtggccagca 420
tcaaacagct gcgggaaacc cagagcactn cccaaagtgc acccaagtg agaagg 476

<210> 2202
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 2202
gactagntnt ttatcgcnag cgttcgntcn agaggatcca ggcttacgta cgcgtgcatg 60
cgacgncata cactcttcta tagtagcnac ctacantcaa tncactggcc gtcgttcaac 120
nacgagcacg actgggaaaa ccctggagct acccaactta ntacgccttg cagcacatgc 180
cccnntcntc agctggcgta ataagggaa 209

<210> 2203
<211> 311
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<400> 2203
gcagcggcca cagcaattat atggtggact ggtaccaaca gagaccaggg aagggccccc 60
ggtttgtgat gcgagtgggc actagtggag ttgtgggacc caggggggat ggcatccctg 120
atcgcttctc agtcttggcc tcaggcctga gtcgggacct gaccatcacg aacatccagg 180
aaagangatg agagtgacta ctactgtggg acagatcatg gcagtgggaa caacttcctg 240
tcngtttttc cgcggaangg aaccaaactn aaccgtccta ctttcagccc caaggntgcc 300
ccccccngtt c 311

<210> 2204
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<400> 2204
ggacctttgg agttccagct taagggtatc agcctccctg gctgatgtaa gtcanaggcc 60
tcttataccc actttgatga ggaaggactg tanagttgat gccaggcaga aacaggcaca 120
tatgtgtgtc ttctgcctct ccccagatcc tgtacttcac caatggccat ctgtatccaa 180
ctggttctaa atcaaacggg tcagcctgct tcanaacccc cccacagtgg ggggtggcac 240
actgaaactg actgacgtcc accctcanat actggaacct acctctgcca antcaacaac 300
ccacccanat ttctacccca atnggtttgg ggctaatcca accttactgt ncttgttccc 360
cccccnttat cccctta 377

<210> 2205
<211> 465
<212> DNA
<213> Homo sapiens

<400> 2205

accgcccctg cctgcagttg aacgagtaaa gcctagaatc aaaaagaaaa caaaacccat 60
agtcaagcca cagacaagcc cagaatatgg ccaggggatc aatccgatta gccgactggc 120
ccagatccag caggcaaaga aggagaaggt ggccaagcgc aatgcagccg agaacatgct 180
ggagatcctt ggtttcaaag tcccgcaggc gcagccacca aacccgcact caagtcagag 240
gagaagacac ccataaagaa accaggggat ggaagaaaag taacctttt tgaacctggc 300
tctggggatg aaaatgggac tagtaataaa gaggatgagt tcaggatgcc ttatctaagt 360
catcagcagc tgcctgctgg aattcttccc atggtgcccg aggtcgccca ggctgtagga 420
gttagtcaag gacatcacac caaagatttt accagggcag ctccg 465

<210> 2206
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 2206
ggggtgcaag agaccnccaa tgggtagcnc gccctacttt gantgaangg ancgcccgca 60
ggtacccggt ccggaattcc cgggtcgacc cacgcgccct ttnntngccn gggtgcagcc 120
ctgntggcag ggggcatttg ggngncaatc gatggggcat cctttctgaa gatcttcggg 180
ccactgncgn ccagtgccat gcagttngtc aacgtgggct actncctcat cgcagccggc 240
gtagtggtct ttgctcttgg antcctgggc tgntatggtg ctaagactga gagcaagngn 300
gccctcgtga cgtacttcta catcctcctc cn 332

<210> 2207
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<400> 2207
ggccagcatt gcttctacca gctggcggca cttcgcggag gtggcttaca ttgtggaagg 60
ggactttact ggtgttctcc ttccagaact agtagtttct atagtgcttc tgctcagtaa 120
aaatgctggt ctcatgcaag aggctggagc tgtacctntg ctgggtggcc tgttggaaca 180
tctggatcgg ttcaaccatc tggcaccagg aaaggaacgg gatgatcatg aagagttagc 240
ctgcctggca taatggagtc atttttaca ggtcagaact gtagaaataa tgaggaagtg 300
acacttatac gcaaagctga tttggagaac cataataaan atggangctt ctggactgtg 360
attgacggga aggtgtatga tataaaggga ctttcagaca cagtnggtaa caggaaatan 420
tattctgctt aanttgnaag ggaaagaacc an 452

<210> 2208
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 2208
gatttaatta tnnnctagat tgtctgggca acggcagaac ggagtgccac tgtggagcan 60
ataactgcag tggttttcta ggagtgcggc caaagtcggc atgtgcgtna acaaatgaag 120
agaaggcaaa aaatgctaag ttaaaacaga agagacgaaa gatcaaaaca gaaccaaagc 180
atatgcatga agattactgt tttcaatgtg gagatggtgg anagctggtc atgtgtgaca 240
aaaaagantg tccaaagtat accaccttcc tattgccntn aanctgactt aagcc 295

<210> 2209
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<400> 2209
ggaaagcgcc gagatgacgg gctttctgct gccgcccgca agcagaggga ctcggagatc 60
atgcagcana agcagaaaaa ggcaaacgag aagaaggagg aacccaagta gctttgtggc 120
ttcgtgtcca accctcttgc ccttcgcctg tgtgcctgga gccagtccca ccacgctcgc 180
gtttcctcct gtagtgctca caggtcccag caccgatggc attccctttg ccctgagtct 240
gcagcgggtc ccttttgtgc ttccttcccc tcaggtagcc tctctccccc tgggccactc 300
ccgggggtga gggggttacc cctttccagt gnttttttatt cctgnggggc ttaccccaaa 360
agtattaaaa agtagctttg naattcaaaa aaaatntant 400

<210> 2210
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<400> 2210
gtgnaacgtc cgacagaacg aggggacgta acggaggcag gttggagccg ctgccgtcgc 60
catgacccgc ggtaaccagc gtgagctcac ccgccagaag aatatgaaaa agcagagcga 120
ctcggttaag ggaaagcgcc gagatgacgg gctttctgct gctncccgca agcagaggga 180
ctcggagatc atgcagcaga agcagaaaaa ggcaaacgag aagaaggagg aacccaagta 240
gctttgtggc ttcgtgtcaa ccctnttgcc cttcgcctgt gtgcctggaa ccaagtccca 300
ccangctcgc gtttcctcct tgtagtgctc acaggtccag naccgatggn attccctttg 360
cccttgantc tgcaacnggg g 381

<210> 2211
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<400> 2211
ggncagngna aaaagtgtgn cctccatatc cccaagaaat gagtgcttta gcgaaagnac 60
ctaattcagc gtcttttgat gaaagatccc aagaagagat tgggatgtgg tccacgtgat 120
gcagatgaaa tcaaagaaca tctcttcttt cagaaaataa attgggatga tttagccgcc 180
aaaaaagtgc ctgcaccatt taagccagtc attcgagatg aattagatgt gagtaacttt 240
gcagaagagt tcacagaaat ggatcccact tattctcccg cagccctgcc ccagagttct 300
gaggaagctg tttcagggct attctttgtt gctccttcca tcctattcaa acgtaatgca 360
gctgtcatag accctcttca gtttcacatg ggagttgaac gtctggagtg acaaatgttg 420
ccaggagtgc aatgatgaag gactctncat tctatca 457

<210> 2212
<211> 384
<212> DNA
<213> Homo sapiens

<400> 2212
tgaaaaggac tcttggaaag tgaaaacttt agatgaaatt cttcaggaaa agaaacgaag 60
gaaggaacaa gaggagaaag cagagataaa acgcttaaaa aataacaacg cttcttcggt 120
gaagttcttt tgtacttcca aatgtcgcag tctgatgacc gggattccaa gcgggattcc 180
cttgaggagg gggagctgag agatcaccgc atggagatca caataaggaa ctccccgtat 240
agaagagaag actctatgga agacatctcc ccacaactgc cactgctcac caggacaagc 300
tgcccttcct gtctccacct ctcagtcccc ctagaatgga tggctggggg agaggtggag 360
gctgacagct gagacgtagt gtca 384

<210> 2213
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (136)
<223> n equals a,t,g, or c

<400> 2213
gaactgtctt cagtagttag ttcaagtgga acagagggtg cttccagttt ggagaaaaag 60
gaggttccag gagtagattt tagcataact caattcgtaa ggaatcttgg acttgagcac 120
ctaatggata tatttnagag agaacagatc actttggatg tattagttga gatggggcac 180
aaggagctga aggagattgg aatcaatgct tatggacata ggcacaaact aattaaagga 240
gtcgagagac ttatctccgg acaacaaggt cttaacccat atttaacttt gaacacctct 300
ggtagtggaa caattcttat agatctgtct cctgatgata aagagtttca gtctgtggag 360
gaagagatgc aaagtacagt tcgagagcac agagatggag gtcatgcagg tggaatcttc 420
aacagataca atattctcaa gattcagaag gtttgtaaca 460

<210> 2214
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)

<223> n equals a,t,g, or c

<400> 2214
ggtacagtcc ggagctgagg ngaaggngtc cggggagtct ctgagcatct cctgtcaggt 60
gtctggatac accctcacca gttattggat caactgggtg cgccagatgc ccgggaaagg 120
cctggagtgg atgggcaggc ttgatccttc tgactctttt atcaattaca atccgtcctt 180
cgaaggccac atctccatct cagctgacaa gttcatcagc accgcctatt taaagtggaa 240
caccttggag gcctcggaca ccgccatgta ttactgtgcc ctttccgggc gacaacaact 300
cgtccccgtc tactggggcc agggaaccca ggtcanccgn cttcttanca atcccganca 360
gncccaaagg ctttccgctg aacctttg 388

<210> 2215
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 2215
naattcggca nagccaaaat gtaccggggt gtgctggatg ccacgcagag gcagcttaca 60
gtcaccgtga ctnagnaagt tctcagtgag gttcaaggag aacagtgtgg ctgtcaaggt 120
cgtccagggc cctgcaggtg gtgacaacag naagntacgt tacaaaaaaa aggggagtca 180
ttgcttggng gtgactntgc agttaggagg gggcaccatg cagagatggc anttncttcc 240
tcctgaacca gcactaatcn cnctttgncc tnnctttttt ggggggttnt ttaancncnt 300
tnnntngggg gggnangggt tnggggttta aantnccctt ttgggggggaa aaaaaaaaaa 360
aaaattttgg gggggggggnc cccg 384

<210> 2216
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<400> 2216
gattgaacag aagtatgcca tatagtacaa ttacagctat gttacaggat caaaattaat 60
ttcaaacctt ccaaccaacc ctataagccg tctcatcagt ctctaataga ctcattttca 120
gctattagat atggatgata tatgatgatt ncattatcat atttttcaag gacttactta 180
ntggctgatt atcagtggta aatcctccaa ngagaaaatn gatgatctga agaaactggn 240
gttagtgagt gccaagattn gaccaantgg gcatatgcct tgtggaatt 289

<210> 2217
<211> 408
<212> DNA
<213> Homo sapiens

<400> 2217
ctgggagcgc ctgccttctc ttgccttgaa agcctcctct ttggacctag ccaccgctgc 60
cctcacggta atgttggact cggtgacaca cagcaccttc ctgcctaatg catccttctg 120
cgatcccctg atgtcgtgga ctgatctgtt cagcaatgaa gagtactacc ctgcctttga 180
gcatcagaca gcctgtgact catactggac atcagtccac cctgaatact ggactaagcg 240
ccatgtgtgg gagtggctcc agttctgctg cgaccagtac aagttggaca ccaattgcat 300
ctccttctgc aacttcaaca tcagtggcct gcagctgtgc agcatgacac aggaggagtt 360
cgtcgaggca gctggcctct gcggcgagta cctgtacttt caattcct 408

<210> 2218
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 2218
ccaaccctca ctaaagggaa caaaagctgg agctccaccg cggtgncggc cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgaggaa aattgaacaa gatggacggg 120
tccaggaaag aggaggagga agacagcaca ttcaccaaca tttctcttgc agatgacata 180
gaccattcct caagaatttt gtatccaagg cccaaaagtt tgttacccaa gatgatgaat 240
gctgacatgg atgatctctc tgcaagagta gatgcagtta aggaagaaaa tctgaagcta 300
aaatcagaaa accaagttct tngacaatat atagaaaatc tcatgtcagc ttctagtgtt 360
tttcaaacaa ctgacacaaa aagcaaaaga aagtaaggga ttgacaccct tctgttttat 420
ggaattnctg ctgatcattt tttctttaaa acttggatag attccaaaag ttacagtacc 480
tttgtggctt cattgaatat ttatgaagat aatgtcagat gtagacaaaa ataacacaat 540
aacaggagac ttncataagt ttgtgtatta tgttagtcta tgaaaacgtg caaatgtatt 600
gtagagactt tatg 614

<210> 2219
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (608)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (628)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (629)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<400> 2219
gaaaagaaaa aaaatctctc cccgttgaac aaaagatgca aagcgattga gagggtccaa 60
agttatttta ttgatcaact gaataaatat acataaatgt tactttcttt ttctttactt 120
tatttttttt tccccattcc agatcctggg tgtttggctg acctacagat acaggaacca 180
gaaagacccc cgcgcgaatc ctagtgcatt cctttgatga gaaaacaagg aagatttcct 240
ttcgtattat gatcttgttc actttctgta attttctgtt aagctccatt tgccagttta 300
aggaaggaaa cactatctgg aaaagtacct tattgatagt ggaattatat atttttactc 360
tatgtttctc tacatgtttt tttctttccg ttgctgaaaa atatttgaaa cttgtggtct 420
ctgaagctcg gtggcacctg gnaattaatg ggattcaatg gccggcactn gnccnttggg 480
ccttnttaag catttttacc tggcaaaaaa actttggttg ggacccctgg ggttgggtta 540
atatggggaa atctgaacgt anaattttaa ctgggaataa ataatatgaa ccctgggctg 600
gggaaaangg tcctactggn aaaaaganng ggaaattatt aaaatcagaa n 651

<210> 2220
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 2220
tgganggaaa gtggactccc cgccgtngcn gccactctaa aactantgna tcccccgggc 60
tgcatgaatt cggcacgagg gctgttgcgc accctgcacg gggcgcgtca catggtccgg 120
gacgcaccgg aaattccgca aggtggcagt ccagccncct gctcangatt ccggcctaac 180
ccggagctga cggaggcnct gaccaccagc ttcgtgcgga ggctgttctg gggtagccng 240
ggcgcgngaa ctccgctcgc tgaanctttg agaactncca gcgcatcctc nagcgatcct 300
gtctcagcgc ctgngagcct gaccgctgaa nagcncngac aaccttcttc gtaccncggg 360
acccccaggt ttttgcgaat cccngaataa ancnngggag tcgtcacngg ctcctcgcgc 420
ctcaaggtgg aaatcntggc ctgtgcctcc caaaacaaag tggggaaccc agtctcggtc 480
acctgggaac atggtgaaca tgtgaatgca anatctgggn atcggaagnc ngaattncaa 540
atgtgactcc acctcttgtg aagccgtga 569

<210> 2221
<211> 414
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<400> 2221
gcccacgcgt ccgggaggat gagcaattcc ccagcatacc ggctctggtt cacagttata 60
tgacaggcag gcgcccactg tcccaggcca caggggctgt ggtctccagg cctgtgactt 120
ggcaggggcc tctgcgacgc agctttagcg aggacaccct gatggatggc ccagctcgga 180
tagagcctat cagggcaagg aagtggagca acagtcagcc tgcagatttg gcacatatgg 240
ggcagtcaag agaagacccc gctgggatgg aagcctccac catgcccata tctgccttgc 300
cccgaacgag cagttgaccc cggtgttgct gaaggcccct gctccctggg aacttgttgc 360
cgacaagtct cagggcctnc gatgggcaac ttaagccnan gcaccancga ancc 414

<210> 2222
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<400> 2222
gcctccggga cttggaacgc cccggctggg tggtgtccgg gcgtcctttc cccgcttctt 60
cccacctcgg ctggtcccgt ttcctcctgc gcccagtgcg gacctgtctc ggcgcccgct 120
gccctctcac cgccccacgc aggatcccgg cctggtcacc gggcagtgng atgcttcccg 180
actgccgcgg ggacagcgag gcacacacag ggcttgggcc gcgccggagg ccacacggcc 240
tggctgagtt gctcctggtc tcccgcctct cccaggcgac ccggaggtag catttcccag 300
gaggcacggt ccccccagg gggatgggca cagccacgcc agatggacga gaagaccaan 360
aaagcanagg aaatggccct gagcctcacc cgagcagtgg cgggcgggga tgaacaggtg 420
gcaatgaagt gtgccatctg gctggcagag caacgggtgc ccctgagtgt gcaactgaag 480
cctgaggtct ccccaacgca ggacatcaga ttcctcatgg ngcaaaatgg ccattccagc 540
tncatccagc catnacantn acagggagga a 571

<210> 2223
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<400> 2223
atntaattcc catcctaaac ccctttgnaa tacgcctcac tatagggaaa gctggtacgc 60
ctgcaggtac cggtccggaa ttcccgggtc gacccacgcg tncggccant aagcaagctg 120

gacaaaagaa gaaacaagga catgaccnaa aggctgctgn caaagctgcc ttaatatata 180
cctgcactgt ctgtaggaca canatgncag accctaanac cttnaagcag cactttgaga 240
gcaagcatcc taagactcca nt 262

<210> 2224
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<400> 2224
gtaaataaca gatgcgggtg aaagatccaa ctaaagcttt acctgagaaa gccaaaagaa 60
gtaaaaggcc tactgtacct catgatgaag actcttcaga tgatattgct gtaggtttaa 120
cttgccaaca tgtaagtcat gctatcagcg tgaatcatgt aaagagagca atagctgaga 180
atctgtggtc agtttgctca gaatgtttaa aagaaagagg attctatgat gggcagctag 240
tacttacttc tgatatttgg ttgtgcctca agtgtggctt ccagggatgt ggtaaaaact 300
caganagcca acattcatt 319

<210> 2225
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 2225
atattgaaag ttggggcgcc tgcaggtacc ggtccggaat tcccggggat ttcaactcct 60
agcttttcat cctactataa aggaggattt gaacagaaaa tgagtaggcg agaagctggt 120
cttattttag gtgtaagccc atctgctggc aaggctaaga ttagaacagc tcataggaga 180
gtcatgattt tgaatcaccc agataaaggt ggatctcctt acgtagcagc caaaataaat 240
gaagcaaaag acttgctaga aacaaccacc aaacattgat gcttaaggac cacactgaag 300
gaaaaaaaaa gaggggactt cgaaaaaaaa aanaaaaggg cggccgctct agaggatcca 360
agcttacgta cgcgtgcatg cgacgtcata gctcttctat agcggcacct anattaattc 420
actgcncnnc gttttacaac gtccgactgg aaaaacccct ng 462

<210> 2226
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<400> 2226
taanggnaca aagctggngc tccaccgcgg tgncggccgc tctagaacta gtggatcccc 60
cgggctgcag gaattcggca cgaggaggag agcatgaatg agagtcatcc tcgcaagtgt 120
gcagagtctt ttgagatgtg ggatgatcgt gactcccact gtaggcgccc taagtttgaa 180
gggcatcccc ctgagtcttg gaagtggatc cttgcaccgg tcattcttta tatctgtgaa 240

aggatcctcc ggttttaccg ctcccagcag aaggttgtga ttaccaaggt tgttatgcac 300
ccatccaaag ttttggaatt gcagatgaac aagcgtggct tcagcatgga agtggggcag 360
tatatctttg ttaattgccc ctcaatctct ctcctgggaa tggcatcctt ttactttgac 420
ctctgctcca gaggaagatt tcttcttcat tcatatncga gcagcagggg acttgacaga 480
aaatctataa ggg 493

<210> 2227
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<400> 2227
gtcnncngac agtgacngta cngtattccc gggtcgaccc acgcgtccgg taaaattctg 60
ggctctggta tcagttcctc ttcagtattg catggcatgg tttttaagaa ggaaaccgaa 120
gtgatgtaac atctgtcaaa gatgcaaaaa tagcagtgta ctcttgtcct tttgatggca 180
tgataacaga aactaaggga acagtgttga taaagactgc tgaagaattg atgaatttta 240
gtaagggaga agaaaacctc atggatgcac aagtcaaagc tattgctgat actggtgcaa 300
atgtcgtagt aacaggtggc aaagtggcag acatggctct tcattatgca aataaatata 360
atatcatgtt agtgaggcta aactcaaaat gggatctccg aagactttgt aaaactgttg 420
gtgctacagc tcttcctaga ttgacacctc ctgtccttga agaaatggga cactgtgaca 480
gtgtttactc tccagaagtt tggagatact caggtggttg 520

<210> 2228
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 2228
tttacaactt cnttcnnngg ggggaaaaaa aaggcccttg gggtttaacc cggcccccct 60
tggcccaaag gggtttaacc cccgggggtt nccccccggg aaaaattttt cccccggggg 120
gggttnccgn aacccccaaa cggncccgtt tccccggggc ccgggggggn aaccggaaac 180
cgnttttgga aaaaagcccc caattggggg cccccgggct ttacccgttt cccaaaggga 240
aacttttttcc ccaaccccca aaagaacttg gttttggggg ttcttgaacc cgggcttncc 300
aaccaaaaca agggtttgcc ccaangctta gtcacaagtt acccgcgttg tacttacaat 360
tgccgggccc caaggatgaa gaccangact acatctggac cactcattgc atctacctgt 420
aacctgacgg ctttacggat actacggcga caatcgctac agattaacat gtcgngnaca 480
tgcggttcna tgctgcttac cactgatctg cccatattaa cggctggtta aaaaaann 538

<210> 2229
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 2229
gcgcgcggtt cgcactttcc aggtttcttc cccagggaac agagcttgag cgggggggcca 60
ccccccccgtc ctaccggagt tctgaggtgc ggtcaggcgc ggagagcgga cgcccagcgc 120
cagattctgt gggctccgga gttcaggccc actgagccgc agctgagcac aggcggggca 180
ggaaaaagga tgaggtgagg gaaggcgctg ggttcctgga accccaaggg agcactgagc 240
tgagtaagtt ngttcctgtc aattgggaac cccctcaacc acttccattc cccaaatacc 300
tgcgctgcta ccgatgcctc ttggagacca aggagttagg gtgccttctg ggatctgaca 360
tctgcctcac cccagctggc agcagctgca tcactctcca caaaaagaac agcagcggtt 420
ctgacgtcat ggtgagtgac tgccgaagta aggagcagat gagtgattgt tcaaataccc 480
gaacttctcc ggtgtctggc ttctggatat tctctcaata ctgcttcctg gatttctgca 540
atgaccctna aaac 554

<210> 2230
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<400> 2230
gcagctgtac aatgccatct tcaatcatta ctctgaaaaa tggaattcag aacatgctgc 60
agttttatat tccggaggta gaaggcgtag aacaggttat ggatgatgaa tcagatgaaa 120
aagaagcaaa ctcaccttaa aataatctgg attttctttg ggcataacan acagacttgt 180
tgatnatata tatcaagttt ttattattaa tatgcntgag gaacttgaag atnaataaaa 240
tatgctcttc atanaatgat atttct 266

<210> 2231
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)

<223> n equals a,t,g, or c

<400> 2231
gttcagctcc aaaagcccct gccacacctg gggcacagnt ggcacctgat gtgagactgc 60
tctatgtgct agccattgcc gcgcttggtg gcctctgcct catcctggcc tcctccctcc 120
tctatgtggc ctgtctgcgg gaaggcagac gagggcgccg acggaaatac tcactgggtc 180
gggccaacnc gggcaggagg atctgcggtg caactgcatg acagtcttaa gccantgtcc 240
tgnanaggaa gatgagggtg atgatgaagg gggcttnggg gccttgaagg gcaan 295

<210> 2232
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 2232
gtcgggtgtg agtnttttca gcaacccggt ccagtactgg gagatacagc catccacctt 60
cagatgtgtc tacgtgcgct ctgccattca actcggaaac tataagtaat tctcaagaaa 120
gccctcattt ttataacctg gcaaaatctt gttaatgtca ttgctaaaaa ataaataaaa 180
gctagatact ggaaacctaa ctgcaatgtg gatgttttac ccacatgact tattatgcat 240
aaagccaaat ttccagttta agtaattgcc tacaataaaa agaaattttg cctgccattt 300
tcagaatcat cttttgaagc tttctgttga tgttaactga gctactagag atattcttat 360

ttcactaaat gtaaaatttg gagtaaatat atatgncaat atttagtaaa gcttttcttt 420
tttaatttcc aggaaaaaaa taaaagagta ttgaagnctt ctgnaattca ttnagcaagt 480
agnt 484

<210> 2233
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 2233
aattcggcac gagcaagtgc cttgaaacag tatttnagga gtcttccaga gcctctnatg 60
acctatgagt tacatggaga tttcattgtt ccagccaaaa gcggcagccc agaatctngt 120
gttaatgcga tccatttctt ggtacacaaa ctgccagaga agaataaaga gatgttggat 180
attttggtga aacacttaac aaatgtttna aatnactcca agcagaaccn gangactgtg 240
gcaaacttag gagtggtgtt tggaccaact ctgatgaggc cacaggaaga aactgtngct 300
gccctnatgg actttgaagt ttcagantat tgttgtggga aatcttaatt ggaaaaccag 360
gaaaaggttt tttnggncgn nnccngnnat taaattnnnn gngnccanct nncttntaaa 420
gnatnanccc gnaantgggg ncagcaaggn nanttggngg ngtnaagggc cagngnncca 480
gggggnccgn ggncgnttnn aaatnttt 508

<210> 2234
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<400> 2234
gggcgtggcg gcgctgtgcg cgtgcacaaa agagagctga ggggcggggg cgctgcggca 60
cagctggttt gagcaactga actggaaaca agatgcagga ccccaacgca gacactgaat 120
ggaatgacat cttacgcaaa aagggtatct tacccccaa ggaaagtctg aaagaattgg 180
aagaggaggc agaagaggag cagcgcatcc tccagcagtc agtggtgaaa acatatgaag 240
atatgacttt ggaagagctg gaggatcatg aagacgagtt taatgaggag gatgaacgtg 300
ctattgaaat gtacagacgg cggagactgg ctgagtggaa agcaactaaa ctgaagaata 360
aattcggaga agttttggag atctcangga aggattatgt tcaagaagtt accaaagctg 420
gcgagggctt gtnggtcatc ttgcaccttt acaaccaagg aattccc 467

<210> 2235
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 2235
ggcttctaag tattctttct agtcatgtga ataggtaatt tgagaaatac atgctcactg 60
ttcaatactt ttccattatt tttcctcttt tttatagagc taatgtcaaa ccccgaaatt 120
ccacaccacc tagtttggca agaaatcctg ccccaggtgt gcttacaaac aaaagaaaaa 180
catatactga gagctacata gccaggccag atggggactg tgcatcttcc cttaatggtg 240
gaaatattaa aggcattgaa ggacattcac ctggaaactt accaaaattc tgccatgagt 300
gtgggactaa ataccctgta gaatnggcca aattttgctn tgaatgtggc attcgaagaa 360
tgattctatg aatagaatct caaaaaaaaa aaaaaaaaac caagttcaaa agtttatgat 420
tattgntgnt tggncaagct anaacacatc cttaattaan tttgggctaa aaatct 476

<210> 2236
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<400> 2236
tcgacccacg cgtccgcagt ttttccaggc gtgacagaca tggcggcggc ttttcggaag 60
gcggctaagt cccggcagcg ggaacaccga gagcgaacca gcctggcttt cgaaaacatc 120
tgggcctgtt ggagaaaaag aaagattaca aacttcgtgc agatgactac cgaaaaaaac 180
aggaatacct cagagctctc cggaagaagg ctcttgaaaa aaatccagat gaattctact 240
acaaaatgac tcgggttaaa ctccaggatg gattccacgt tattgaagga gactgaaggg 300
aggaagtgaa ctgccagaac aactggaaac tgatgagaac ccagggtgtc caaatatgat 360
gagaaatgga aaagggtttg ccgggaactg aaggaaaatt ggaaaganga aantccgagn 420

tcccnnctgg ctgggatttt cccgggggaa gccngccgga tgaagccatg tggtnttntt 480
tttggaccac ccaaaaaggg aagttggagc cnnttggatg ttggcca 527

<210> 2237
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2237
gaatgacttt atgggaatca cgctcgcttc tagccaggct gtcagcaacg ccaggaanct 60
ggagtggcca ctgacggaag ttgcataang tgtttttgaa ancgangccc cgggangata 120
taagttctat ttgcaaaatc gcagtctgcc tcagtcanat cctgtattaa aagttactct 180
ngcagtgtct gatcttcaaa aatccttgaa ctactggtgt tatctactgg gaatgaaaat 240
ttatgaaaaa tattataaaa gctatcgggc ttgcttgggc tttctgaaaa acccttgtta 300
anctggancn acaggcntca agggtggggt gaaacatncc cc 342

<210> 2238
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<400> 2238
gttgngacgc gcttccacac tgatagtata ctnnatttnc nacccagtta aagctggtac 60
ccctgcaggt accggtccgg aattcccggg tcgacccacg cgtccgtgga gctgaatgag 120
ttgctcctgg acaaaaacca ggagccccag tggcgggaga cagctcgctg gatcaaattt 180
gaagaagacg tggatgaaga tgcccatgat tcagaggcca aagtggcgag cctgagagga 240
atggagttac aggggtgcgc cagcactcag gttgaatcan aaaataacca anaagaacag 300
aaacaggtgc gcttaccaga aagccgtctg acaccatggg aggtgnggtt tattggcnta 360
gaaaaagaag aacgtgaccg gctgcatctg aaagctntag aggaattaaa tcaacnctag 420
aanaaagaa 429

<210> 2239
<211> 205

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<400> 2239
gcccacgcgt ccgcccacgc gttcgggaaa atgagtacca ggcgtncagc gttccccga 60
cccgnctgct aataaaggag ccttccaagc gtgtggggca ttttcgtgga ctacagaatt 120
ggaaagcatn ttcttttaca atgtgaaaag caagatncca catttataca ttngncagat 180
ggtttttttt ttgggnccct ttaaa 205

<210> 2240
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<400> 2240
aattcaatga agcgcgggta aacgggggg agtaactatg actctcttaa ggtagccaaa 60
tgcctcgtca tctaattagt gacgcgcatg aatggatgaa cgagattccc actgtcccta 120
cctactatcc agcgaaacca cagccaaggg aacgggcttg gcggaatcag cggggaaaga 180
agaccctgtt gagcttgact ctagtctggc acggtgaaga gacatgagaa ggtgtaaata 240
aagtgggang ccccncnnnc ccccc 265

<210> 2241
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<400> 2241
naccaccctc actaagggaa caaaagctgg agctccaccg cggtgacgac cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcagagcaaa accaatggta ggaaatgttt 120
ttagggaatt gggctaattg atagcaatgc agtgatagga tcttaaaata acagtgacaa 180
ggtcgtagtg tttaactgtc agataaatgg caaggtcaaa gtggcagtca ggaggagtta 240
cttgaggaga tcagtggagt tggttaatag aaaataatat tcttaagggc aagatagatg 300
ggcagctaac aaggctatat cttgaacaat ataatggaaa gaaattatta aaaaacggtt 360
gattaagagg caaagtgcaa ctacacaaat taaaaaagcg ttatcccttg actagtttct 420
gatcctgagc cagtgcttag gcctagaacc cattgatcaa aaaaagaggt tgaatgtaca 480
gga 483

<210> 2242
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<400> 2242
ggcngnacna accctcacta aagggaacaa aagctggagc tccaccgcgg tgacggccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgagggtata caggaaatgg 120
ataatactgt aacaatctgc agctgtctca tatgttatat aaagaatgaa ctcataacag 180
tgagaaaagg gtatgtagtg cctttatgaa tactaaaaaa ataggtcaaa ttcctggnat 240
atgtatgact tggttttatt ataattatga aacccttaa cctattattc ttttaaatac 300
aagcagaaat acaagacatt gccattacca gttagcttta atagactcaa gaaacaaaat 360
agtctcttaa gttttatgta agtgataaaa taaactaaga gttcctcata gatataatac 420
ttgaaaaatg gtttctagtt agtgacggtg gaataaaatc attttcttac tctcttctct 480
tgaatgccaa tgaaaagaaa atcaaacaaa agatagaaaa tgtcaatttc aaagacacaa 540
acaatcaaac aa 552

<210> 2243
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 2243
ancntgncac cnaaccctca ctaaagggaa caaaagctgg agctccaccg cggtgcngtc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgttcgg cacgagcaaa 120
agatacaaac ttagtatttc caggcattga acagcaggct ttccaggact gtcatccttg 180
agaaaatgga gatacatgag gtgagcccca cgtttctccc acctttctgc tcagctttct 240
gcgacagagc acgttcccgt tgcagcacaa gtggagctgc agtatcagaa cctaaggagg 300
cagagagtgg aattctgggt tgctggcatg actggaatat ttgctagaga ggaggaactg 360
ctccaagaag ttctagaagt ctctggacat tcaaactagg tcctgagaac tgtatatttt 420
aaatgcttgc attggaactg ttttaaacca atgatctcaa gtctttgtct taagttagaa 480
aaagaagggc aaattaaacg ccaagttaat agaaggaata aaatagcaca 530

<210> 2244
<211> 200
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<400> 2244
tggnttttnn ntnctaactc gaattaccct cactaaaggg aacaaaagct ggagctccac 60
cgcggtggcg gccgctctag aactagtgga tccccccgggc tgcaggaatt cggcacgagc 120
gctnagccgt cccttctcgn catgtcccag agcangcacc gcgctgaggn cccgccgctg 180
gaacgcgagg acagngggac 200

<210> 2245
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<400> 2245
acggcacgag ggggggcccg gtacccaatt cgccctataa tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacnt cgtgactggg aaaacccana caccnctcct tctttntang 120
gcccccct 127

<210> 2246
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<400> 2246
tgggggaggn ggntcctcta cttaaaggna acaaaagctg gcccnncccc cgcaagtggc 60
ggctgctcta gaactagtgg atcccccggg ctgcaggaat tcggcacgag cggcacgagc 120
ggcacgaggg ggggcccggt acccaattcg ccctatagtg agtcgtatta caattcactg 180
gccgtcgttt nacaacgtcg tgactgggaa aacccaanga ntnganatt 229

<210> 2247
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 2247
gctcgtgccg aaggggggcc cggtacccaa ttcgccctat ngtgagtcgt attacaattc 60
actggccgtc gttttacaac gtcgtgactg ggaaaaaccc annnccntct c 111

<210> 2248
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 2248
gcggcacgag gggggcccgg taccaattcg ccctatagtg agtcgtatta caattcactg 60
gccgtcgttt taaacgtcgt gactgggccc naaaannnn 99

<210> 2249
<211> 165
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<400> 2249
attaaccctc actaaaggga acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtgggg gcccggtacc caattcgccc tatagtgagt cgtattacaa ttcactggcc 120
gtcgttttac aacgtcgtga ctgggaaaac ccaantcnnt tntnc 165

<210> 2250
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (558)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<400> 2250
tgattctccn cttcgaaagg tcccttcact aaaagggaac aaaagcggca gctccaccgc 60
ggtggnggtc gttctncaac tagtggatcc cccgggctgc aggaattcgg tacgagccag 120
agaccanccc atgaagagtg gtgggtggtt tattcactgg aaatgttgcg ttnntgctnn 180
ccnaaaacnc acgtnnactt cngaggaatg atgggcaaat ctggtctncn tggntgaaac 240
ccttnttttc ccntagatgc tttaaccttn gttggtttcg gctntagggt tcatagtcnc 300
ttctgttccc ttctccattc tgganaagga cttcccctac atacaccctg attncttgtn 360
gctgtgggga ttggacgtaa cattcaaaga tcntatgtgc tttcctcact tcggatataa 420
acactctggg ttttacagca atnanctgcc taaccttcat ngnganaaat aaaacatctc 480
tcttctactc ctgctgtttc atgcgccact cctttggggt ctttntcaat ttgttgaact 540
cctancttcn ttccctanaa atttccangt acc 573

<210> 2251
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 2251

gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatant gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgtc ntgactggga aacccnaaaa nn 112

<210> 2252
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<400> 2252
gggggggggg gttggttaat tatttccctc ttcaaaatta accctccnct aaaaggaaca 60
aaagctggag ctccaccgcg gtggcggccg ctctagaact agtggatccc ccgggctgca 120
ggaattcggc acgagcggca cgagcggcac gagggggggc ccggtaccca attcgcccta 180
tagtgagtcg tattacaatt cactggccgt cgttttacaa cgtcgtgata cccccnaaaa 240
aannttn 247

<210> 2253
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 2253
gcggcacgag gggggggcccg gtacccaatt cgccctatng tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacnnaaa tnn 103

<210> 2254
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)

<223> n equals a,t,g, or c

<400> 2254
gcggcacgag cggnacgagg gggggcccgg tacccaattc gccctatngt gagtcgtatn 60
acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaacccaant n 111

<210> 2255
<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<400> 2255
taagggaana tttggngccn ctccaccaaa aagtggcggt ttgctctaga actagtggat 60
cccccgggct gcaggaatcc ngcacgagcg ganacgaggg ggggcccggt acccanttcg 120
ccctatagtg agtcgtntta caattcactg gncgtcgttt tacaacgtcg tgactgggaa 180
aacccan 187

<210> 2256
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 2256
ctgctaatct aaggtntcct cntnaataaa gggaacanaa ggcccagctc cacnaaaggt 60
ggcgttcgct ctagaactag tggatccccc gggctgcagg aatccggnac gagcgnaann 120
agggggggcc cggttcccaa ttcggcctat attna 155

<210> 2257
<211> 125
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<400> 2257
gcggcacgag ggggggcccg gtacccaatt cgccctatan tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cttgactggg aaaacccaaa tnnttttctn tgtttnttcn 120
ttncc 125

<210> 2258
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 2258
gcggcacnag cggcacnagg gggggcccgg tacccaattc gccctatant gagtcgtatt 60

acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaacccnaaa nn 112

<210> 2259
<211> 120
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<400> 2259
ancggcacga ncggcacgag ggggggcccg gtacccaatt cgccctatan tgagtcgtat 60
tacaattcac tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa nnnttttccn 120

<210> 2260
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<400> 2260

tncttntaat taaaggcccc tngaggcacc cgcggtgnaa gacgctctat ttctagtgga 60
tccccggggc tgcaggaatt cggcacgagt ggcccnaggg ggggcccggt accctcttcn 120
ncntttagtg agtcgtatta caattcnctg gccgtcgttt tacaacgtcg tgnctgggaa 180
aacccatgtt tgttgac 197

<210> 2261
<211> 242
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<400> 2261
tgcggcggng aggagagagn tgctcgcnca ttaaccctca aataantggg aaaaaaatct 60
ggagctccac cgcggtggcg gacgctctag nactagtgga tcccccgggc tgcaggaatt 120
cggcacgagc ggcacgaggg ggggcccggt acccaattcg ccctatagtg agtcgtatta 180
caattcactg gccgtcgttt tacaacgtcg tgactgggaa aacccagcna nnaganangg 240
gc 242

<210> 2262
<211> 145
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<400> 2262
ngtggagnng aagggtatat tcgcttagct ngccaattaa ccctcantaa tgggaacaag 60
acctggagct ccaccgcggt ggcggccgct ctagaactag tggatccccc gggctgcagg 120
aattcggcac gagggtnatn nantc 145

<210> 2263
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<400> 2263
tggngcttta ccgcgtcgnc ggtcgcttta nattagtttn tctccccggg ctgcaggaat 60
tcgatatcaa gcttatcgat accgtngacc tcgaggggggg gcccggtacc caattcgccc 120
tatagtgagt cgtattacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 180
cctggcgtta cccaacttaa tcgccttgca gcacaatccc cctttngcca gcttggagta 240
ataagcgaag aggcccgcac cgatcgccct tcccaacagt tgcgcagcct gaatggcgaa 300
tgggacgcgc cctgtagcgn tgcattaagc gcgnnggtgn gntggttacc cgcagtgtga 360
ccgctacact tgc 373

<210> 2264
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 2264
ngnaaggtga nagcaacccg cactaaaggg aacaaaagct ggagctccac cgcggtggcg 60
gccgctctag aactagtgga tccccccgggc tgcaggaatt cggcacgaga tttccaggta 120
gatttctcag ccagctctaa aacagattgc tttttcagtg gccttactct ttgtgggttt 180
ttttttttt ctctgaactt gatataaaga ttttatttgt cccttgaaaa agtaacaaat 240
gtgcatagat caatttgtac tactttggtc attggatatt tctgatcctt attgcattgt 300
acctaaagga gagtaactaa tggtaacctt tttaatagag tatgtgaaag gtagtggctg 360
atgaatcctt aacgttcata gggtcttttt gctgttacgg ttgtatatag aggtctggaa 420
ggatttttaa aatg 434

<210> 2265
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<400> 2265
gttggaacan cccgcagtaa gggnaacagg gagcnggtgc tagaccgcgg cggcggccgc 60
tcnagaacta ggggatnccc cgggctgcag gaattcgata tcaagcttat cgataccgtc 120
gacctcgagg gggggcccgg tacccaattc gccctatagn gagtcgnatt acaattcact 180
ggccgtcggt ttacaacgnc gagactggga aaaccctggc gntacccaac ttaatcgncn 240
tgnaggacat ccccctttcg ncagntggcg taatagcgaa gaggcccgna ccgancgcct 300
tccaacagnt gcgcagcctg aatggcgaat gggacgcgcc ctgtacggng cattaagccg 360
cggcgggtgt ggngg 375

<210> 2266
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2266
aattcggcac gaggnttcag tggcagcggg tctgggacag agttcactct caccatcagc 60
agcctgcagg ctgaagatgt ggcagcttat tcctgtcagc aatattatag ttttcctttc 120
actttcggcc ctgggaccaa agtggatatc aaacgaactg tggctgcacc atctgtcttc 180
atcttcccgc catctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 240
aataacttct atcccagnga ggccaaagta cagtggaagg tggataacgn cctccaatcg 300
ggtaactncc aggagagtgt cacagagcag gacagcaagg acaganctac agcctcagca 360
gcacctgacg gtgagcaaag cagatncggg gaacacaagt ttaggcttcg agtcanccnt 420
cagggctnag ntgnccgtna aaagngttta acagggnggt ntngagggga gtncccactg 480
ttcttattca gctnaccct 499

<210> 2267
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 2267
gtgaaaatca ccagagtgga ggctgaggat gttggggttt attattactg catgcaagct 60
ctacaaactc cattcacttt cggccctggg accaaagtgg atatcaaacg aactgtggct 120

gcaccatctg tcttcatctt cccgccatct gatgagcant tgaaatctgg aactgcctct 180
gttgtgtgcc tgctgaataa cttctatccc agagaggcca aagtacagtg gaaggtggat 240
aacgccctcc aatcgggtaa ctcccaggag agtgtcacag agcaggacag caaggacagc 300
acctacagcc tcagcagcac cctgacgctg agcaaagcag actacgagaa acacaaagtc 360
tacgcctgcg aagtcaccca tcagggcctg agctcgcccg tcacaaagag cttcaacagg 420
ggagagtgtt agagggagaa gtggccccac ctgctnctca gtttcagcct gaccccttcc 480
atnctttggc ctctgacctt tttc 504

<210> 2268
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (615)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (665)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (677)
<223> n equals a,t,g, or c

<400> 2268
gctcgtgccg aattcggcac gaggttttac gaggccctct gctaggccac acggatgcag 60
tctggggttt ggcttatagt gcancacatc agcgtttgtt gtcctgttca gcanatggca 120
ctctgcgttt atggaataca actgaagttg ctccagcact aantgtattt aatgatacta 180
aagaactggg aatccctgcc tctgtggatc tantgagcan tgacccgagc catatngtat 240
catcattcag caagggatat acaaacattt ttaacatgga aacacaacaa cgcattctca 300
ctttanaatc caatgtaata caacanccaa ctcttcctgc caaatnaatt nnantcatca 360
ntctcctact cttccgatca acatcctgct ccttaaaaaa ngcnatccaa ttctatnata 420
acnattccgg caaatnatcc ctccatggtn ccccccttaa actntttcaa ttttaacctt 480
ttaaccccag ggccttacct tnanattttg gccncccaaa aatttcnnna cnttttttgg 540
aaccccaaaa ttttaaaatt ttttccccaa aaatcccccc nccccncnaa aaatttttta 600
aaaaaacanc ccccnatttt ttttttnccc ccccccccaaa tttttttttc ccctttttg 660
gaacnaaacc ccggggnaat tttttttttt ttaac 695

<210> 2269
<211> 583

BNSDOCID: <WO___0122920A2_I_>

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (582)
<223> n equals a,t,g, or c

<400> 2269
nggagcgagc agcccgggaa gggctggccg gcttcgcagc gccccgccgt ggctgcggcc 60
ggaagcggtc tcgttggccc tgcggcgctg gagccttgac gcacggagct cgagagcgag 120

aacgggagag aaaggggtag aaatggcggc tccgctcggc tcccgctgag gagggcgaag 180
ccggcggagt gtctgtgctg ccggtctgca gcaccgcccc cgcttcccgc acgccgcctg 240
ctcacgccga cttcccttcc tctgcccggc tctctcttgt gctcgtctgc gctccgcacg 300
ctccgggccg gctcgtctct cattgcccgg ctcggctccg ctggccctga ctgaccggcc 360
ggcgggccgg ccttgctcgg tcttccgggc gcggcgtgga ctccgtcccc tggctggacc 420
atggtgaaca cccggaagaa ctctnttcgc ttctcgggtn cnagtcttct ggtcccggcc 480
tggcctgggg cccggaacan aacctggggc gaccgangca canncattta tctctttgga 540
cccgtctcaa aaccggccgc agtgcccgcg ccaaaccggg gna 583

<210> 2270
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 2270
gcctgagggc tgacaangan aagctgcncc atcaagagcg aacacaancc ctgcgccaag 60
cacctgtggg ccanggctac ttccacctgc tggatcacaa angccnggct cnctgcnaag 120
ctgacttccg gggccactgg gtgctgatat tctttggctt cactcactgc cctgacatct 180
gcccacaaca actggaaaaa ctngtgcaag tngtncgaga gctgnaaaca aanctggttt 240
tcctccagtn cacctgtctt catcactgtt gaccccaacn ggatnacttt aaccntgncc 300
nctacttcaa ganttccacc ccanantgtt nggtctnacc ggctccccaa anatgttgcc 360
cnngctaatc ccattnccgc ttttnttcaa ttccnggccc ncgatnaagg aacatgaata 420
ctcttgaaca tcctttgctc tactctcacc cttanggctc ttcccgatta tacgnccgaa 480
caatcggtna acaatnttna ctttttcggg ggaaatgg 518

<210> 2271
<211> 184
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<400> 2271
ggacttnant tctntggaat gcatngaatg gcagngacgc attggccctg cccttggcct 60
gcattgatga cgagatggac tgtgagcctc agggccccgc ncctggccca gctctccgat 120
gtggccatgc acagcctggg tntggctttc atctatganc agactgacga catcnnggat 180
gttc 184

<210> 2272
<211> 681
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (636)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (650)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (663)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<400> 2272
cgtggggctg gagctccacc gcggtggggg gccgctctat aactaatgga tcccccgggc 60
tggatgaatg cggcccgagg tnatgtctca caaanagtnc tccgcnccca gacatgggtc 120
ccncngcttc ctgcctcgga agcgcancac cnggnntcgt gggaaggtga anatcttccc 180
taaggatgac ccatccaagc cggtccacct cacatccttc ctgggataca aggctggcat 240
gactcacatc gtgnggggaag tcgacaggcc gggatccang gtgaacaana aggaggtggt 300
ggaggcngtn accattgtng agacaccacc catggtggtt gtgggcattg tgngcnacat 360
gaaaaccccct cgangcctcc ggaccttcan tactgtcttt gctgancaca tcagtgatga 420
atgcannagg cgtttctatn nnaattggcn ttcatctaat aacaangcct ttaccatnta 480

ctgcannaaa tngcaggatn aggatngcna gaagcngctg ggagaangac ttcagcagca 540
tgaaaaaata tgcccagtca tccgtgtcat tgcccacanc caggattcgc ctgcttcctc 600
tgcgccagna aaaaaggcca cctgatggaa catccnggtg aaccgaaggn ggtggtggcc 660
ganaaactng gacttggggc c 681

<210> 2273
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<400> 2273
ggcagagnca gatatccatg tgtggaagct ctgagtcact gaatagcaaa gaaaaatatg 60
aaagcaagag gaattgcttt cacatctaga aaatgttgca agataatctg aaatcttctg 120
gtgctggtga atgcatgaag aggttcacag tatcttttaa agtacttctg gaaaagataa 180
ggagtttaaa aggtgggtgt gtacactggg cactgagctg cagtaggatt tttccttggg 240
atagtctggt ctggagctgg gacacagctg cnctttgggg aaaggcccgc tngcaagatg 300
attggaagna attctccctt attggtaggc ctntgacggc cctnttttc agcca 355

<210> 2274
<211> 100
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 2274
gggattccca aagctgacat cacgtgggag ttaccggata aggngcatct gaaggcangg 60
gttcaggctc gtntgtatgg aaacanattt cttnaccccc 100

<210> 2275
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<400> 2275
ggcaaagntn tnaataccac tatgcatggc ttattgtncg ccaccaaata aacantatac 60
cacagctatt taatatgtat ttcaacacta taccacacgc tatataatgt gtatttcagc 120
aaatatacca caactattta atgtgtattt cancantata ccacaactat gtgatgtgta 180
tttcaacaat atgccacagc tntttaatat gtntttcaaa atnacacgca gtccttgctt 240
tgcatantaa tgntgaaacc ataagaaatc accatactnc tgagactcta canaancagt 300
gttnnatcat cagtgaaagg aaattattat tctgtcacct ttacattttt atgtaaaaat 360

attgaaaact ncaataatcn actataaaag gttcnaatta agaaaaaatt naagaatata 420
tataangttc atattattca tacctc 446

<210> 2276
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 2276
tttttctgtc aagctgttct ttatttcagg gagagggcag gggaggggct cagtctttct 60
tggcagcagc tttcctcatg gcggccagta cgttgctcag ctcctcccgc ttcctcttgg 120
cgcggatgtg cgtccccacc cttttcttga taaatttgag ggcccgtttg tccttggaga 180
ccttcagtaa ctccatggcg cgccgctcgt acggggcaaa gccacacacc tcccgaatca 240
tgtcccgcac gaacttggtg tgtttggtca gacgcccgcg gcgtcgggct gtgcctgggg 300
cttgctcaag ttcttggtca ctttgtggnc cttgttgaag gcccacgggc ataagggtag 360
cgtaagggcc aatggctgct gctctccaaa aaacggccgg gggggccgg taaccaaatn 420
gncctaanag tgaagtcgga tt 442

<210> 2277
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<400> 2277
aattcggcac agnctgaagc aggcgctctn ngctcggcgc ggcccnctgn caatccgtgg 60
aggaacgcgc cnccgagcna ccatcatgcc tgggcacttt gaggnaggtt tcggctgtnt 120
ggtncaccaa ccgattcgnc canttantta acgacgtttc ggaccccttc gagggtgctg 180
aaggnagtca gagaacangt aaaaagaagc cgggcggggn tcggcgtttg ngggccctgg 240
ngtcaagttg cgcat 255

<210> 2278
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<400> 2278
ttttagancc tggctcagga tgaacgctag ctacaggctt aacacatgca agtcgagggg 60
catcaggaag aaagcttgct ttctttgctg gcgaccggcg cacgggtgag taacacgtat 120

ccaacctacc ctttactcgg ggatagcctt tcgaaagaaa gattaatacc cgatgggata 180
atcattccgc atggtctgat tattaaagga ttccggtaaa ggatggggat gcgttccatt 240
aggttgttgg tgaggtaacg gcccaccaag ccttcgatgg ataggggttc tgagaggaag 300
gtcccccaca ttggaactga gacacggtcc aaact 335

<210> 2279
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<400> 2279
gtggagcaca annaaaagcc atcttggtgc aaagaggctt taaattacta tggactggca 60
gtcaatcaaa atccaggaat tgatgtctga tgatcagaga gaagcaggtc ggattccacg 120
aacaatagaa tgtgagcttg ttcatgatct tgtggatagc tgtgtcccgg gagacacagt 180
gactattact ggaattgtca aagtctcaaa tgcggaagaa ggttctcgaa ataagaatga 240
caagtgtatg ttccttttgt atattgaagc aaattctatt agtaatagca aaggacagaa 300

aacaaagagt tctgaggatg ggtgtaagca tggaatgttg atggagttct cacttaaaga 360
cctttatgcc atccaagaga ttcaagctga agaaaacctg tttaaactca ttgtcaactc 420
gctttgccct gtcatttttg gtcatgaagc agcgtgcaat gttgccccac gtggcgtgta 480
tgnttgtggt aacaccacga ccacctttgg tctgacggta actctttcaa aagatagntn 540
ctntgganaa tttgcttttg gaacttggtg cccctgg 577

<210> 2280
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 2280
gttgacgcgt gggctgctng gggcttaagc ggagggagtc gagccagcgt cgccgcgatg 60
gtgttgttgg agagcgagca gttcctgacg gagctgacca gacttttcca gaagtgccgg 120
acgtcgggca gcgtctatat caccttgaag aagtatgacg gtcgaaccaa acccattcca 180
aagaaaggta ctgnggaaag gctttgagcc cgcagacaac aagngtctgt taagagctac 240
cgatgggaag aagaagatca gcactgtggt gagctccaag gaagtgaata agtttcagan 300
ggcttattca aacctcctta gagctaacat ggatgggntg aagaanagag acaantagaa 360
caaaactnag aa 372

<210> 2281
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (378)
<223> n equals a,t,g, or c

<400> 2281
ggcacgaaaa cttctccaga gttgtccttt attaagtttc tttacagaaa ctttaattgg 60
tgccatgaat tcttgtgggg gaaagaatca taagagccat caacttttn cctttnattt 120
tagcatattc caagccctgc caagaaagta ccaagactcc ctgccacagc agcagaacct 180
gaaagcagct gtcattagta atggggaaca ttaagatact ctgtgaaggt gcaagacttc 240
agggtggggt gggcatgggg tgggggtatg ggnaacattg gaggatggga tatctggggn 300
taattttaaa ggtttacctg ttatgtaatt tttaatgggn actnggcatg gggcccgggt 360
tgcttttccg ggtncttngg gaaa 384

<210> 2282
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<400> 2282
ggtggaggct catgtcgagg tttaatgcat tcaaaaggac taataccata ctgcaccatt 60
tgagaatgtc caagcacaca gatgcagcag aagaggtgct attggaaaaa aaaggttgcg 120
cgggagtcat aacactaaac agaccaaagt tcctcaatgc actgactctt aatatgattc 180

ggcagattta tccacagcta aagaagtggg aacaagatcc tgaaactttc ctgatcatta 240
taaagggagc aggaggaaag gctttctgtg ccgggggtga tatcagagtg atctcggaag 300
ctgaaaaggc aaaacagaag atagctccag ttttcttcag agaagaatat atgctgaata 360
atgctgttgg ttcttgccag aaaccttatg ttgcacttat tcatggaatt acaatgggtg 420
ggggagttgg tctctnagtc catgggcaat ttcnagtggc tacagaaaaa gtgtcttttt 480
gctatgccag aaactgcaat aggactggtc ccttgatgnn gggtggangg ttnttt 536

<210> 2283
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 2283
aattcggcag agctgatagt gagcggcaga atcaggagta ccagcggctc atggacatca 60
agtcgcggct ggagcaggag attgccatct accgcagcct gctcgaggga caggaagatc 120
actcacaaca atttgtttgc ctncaaggtc ctctgaggca gcaggctctg gggcttctgc 180
tgtcctttgg agggtgtctt ctgggtagag ggatgggaag gaagggaccc ttacccccgg 240
ctcttctcct gacctgccaa taaaatttat ggtccaaggg aggaaggaaa aaaaaaaaaa 300
an 302

<210> 2284
<211> 656
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (654)
<223> n equals a,t,g, or c

<400> 2284
cactcactat ttnggcnaag ctggtncgcc tgcaggtacc ggtccggaat tcccgggtcg 60
acccangcgt ccgnccgagc agaaccggaa ggatgctgaa gcctggttca ccagccggac 120
tgaagaattg aaccgggagg tcgctggcca cacggagcag ctccagatga gcaggtccga 180
ggttactgac ctgcggcgca cccttcaggg tcttgagatt gagctgcagt cacagctgag 240
catgaaagct gccttggaag acacactggc agaaacggag gcgcgctttg gagcccagct 300
ggcgcatatc caggcgctga tcagcggtat tgaagcccag ctgggcgatg tgcgagctga 360
tagtgagcgg cagaatcagg agtaccagcg gctcatggac atcaagtcgc ggctggagca 420
ggagattgcc acctaccgca gcctgctcga gggacaggaa gatcactaca acaatttgtc 480
tgcctccaag gtcctctgag gcagcaggct ctggggcttc tgctgtcctt tggagggtgt 540
ctttctgggt agagggatgg gaaggaaggg acccttaccc ccgggtcttc tcctgacctg 600
gcaataaaaa ntttatggtn caaagggaaa aaaanaaaaa aagggcggcc gntnta 656

<210> 2285
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<400> 2285
gacaagntag aaacttggag agaggtgtat ctccaggact cctttaaacc gcttgtctgc 60
atttctccta atgccagctt gtttgatgct gtctcttcat taattcggaa caagatccac 120
aggctgccag ttattgaccc agaatcaggc aatactttgt acatcctcac ccacaagcgc 180
attctgaagt tcctcaaatt gtttatcact gagttcccca agccagagtt catgtccaag 240
tctntggaaa aactaccana ttggnaccta tgccaatatt gctatggntc gactaccacc 300
cccgtctatg tggctctggg gatttttgta cagcatcgag tctcagccct gccagtggtg 360
gatgagaagg ggcgtgtggt ggacatctac tccaagtttg atgttatcaa tctggcagca 420
gaaaagacct acaacaacct agatgtatct gtgactaaag ccttgcaaca tcgatcacat 480
tactttgagg gtgttctcaa gtgctacctg catgagactt ggagaccatc attaacaggc 540
tagtgnaaan cagaaggtta acnacttgna atggtggatg aaaatgatgt ggtcaaggga 600
nt 602

<210> 2286
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2286
aattcggcan aggtggcccg gaccatcggc atttctgtgg atccgaggag gcggaacaag 60
tccacggagt ccntgcaggc caacgtgcag ngnctgaagg agtaccgctc caaactnatc 120
ctcttcgnca ggangccctc ggcccccaag aagggagaca gttctgctga agaactnaga 180
actgggccac ccagctgacc ggaccggtca tgcccgtccg gaaacgtctt atnaagaagg 240
aggaaagctt cgagtgcatt cactttaggn aaggagaaag gaattttcaa aaggcctttc 300
ggttagttct tccgttattg gccccgtgtc ccaaagnncc cgggnttttt ttggggnatt 360
aaggggggcaa aaaaaggngc ccaaaggnaa ggccgnaaga aaccaggttt ttttgaaaan 420
gggaaaaaaa tttaaaggnc cntttcttgg gggnttttgg ggtatt 466

<210> 2287
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 2287
anttngnaan aggaaggaan gnagannntn ttggcccggg ccgagangaa ggttgntgga 60
aaaggggccg tcccaacgan angaccacct nnccttcgag nagggngtta acaccgtaac 120
caccttggnn gagnacacgg gaaaatctca tctggtggtg nttcacacac gncgngtatc 180
cccatggngc tggttgtttt cttncctncc ctgtgtngta aaatgggggn cccttactgc 240
attatcaagg gaaaggnaan attggcgacg tattngtcca caggaagcnc ctgcaccatt 300
gtgcgtcttn acacaggtgt tctcgggacg nncaaaggtn ttttttgatt aagttggtng 360
gtanttatga ggatccattt acattgtna 389

<210> 2288
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 2288
ggtgacatcg tctttaaacc ctgcgtggca atccctgacg caccgccgtg atgcccaggg 60
aagacagggc gacctggaag tccaactact tccttaagat catccaacta ttggatgatt 120
atccgaaatg tttcattgtg ggagcagaca atgtgggctc caagcagatg cagcagatcc 180
cgcatgtccc ttcgcgggaa ggcttgtggt gctgatgggc aagaacacca tgatgccgca 240
aggncatttc gagggcacct ggaaaacaac ccagctntgg agaaactgct gcctcatatc 300
cgggggaatg tgggctttgt gttcaccaag gaggacctca cttgagatca gggacatgtt 360
gcttggccaa taaggtgcca gcttgctgcc gtgctggtgc cattgcccca tgtgaaagtc 420
actgtgccag ccagaacact ggtcttnggg ccccaaaaan acctcctttt tcaaggnttt 480
aaggattcnc cncttaaaat t 501

<210> 2289
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<400> 2289
gaacacagtg ctgtctggcg gcaccaccat gtaccctggc attgccgaca ggatgcagaa 60
ngagatcact gccctggcac ccagcacaat gaagatcaag atcattgctc ctcctgancg 120
caagttctcc gtgtgggatc ggngggntcc atcctggnct cgctgtccac cttccaacag 180
atttngatca gcaagcanga attntgaana aattccgggc ccctcccatc cgtccacccg 240
caaattgctt ccttanggng ggantaatga nttaattttg cgtttacaac ccttttcctt 300
tgaaaaaaaa ccttaacttt gncgcc 326

<210> 2290
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<400> 2290
gngttccgct cggtgttnna atactctcaa gccnaggctt tccctgactg tcaacccatt 60
cctgcttctc ttgtccgcta gtgtgacccc ccagccaagg gctgccaggg cctctttcac 120
tatggacttt gtgttctgcc attcaggcac ctgcggaact cgagtcatgc aggagctttt 180
gtgatcgtga cggaagaagc cattgccaag gggatccgga ggaattgtgg cntgtcacaa 240
gtgccgaggc ccanaanggg tgaaccaggn tnaagcctgg gatt 284

<210> 2291
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<400> 2291
gccttnacaa aagggtgata ctggagaacc aggactacct ggaacaaaag ggacaagagg 60
acctccggga gcatctggct accctggaaa cccaggactt cccggaattc ctggccaaga 120
cggcccgcca ggcccccag gtattccagg atgcaatggc acaaaggggg agagagggcc 180
gctcgggcct cctggcttgc ctggtttcgc tggaaatccc ggaccaccag gcttaccagg 240
gatgaagggt gatccangtg agatacttgg ccatgtgccc gggatgctgt tgaaaggtga 300
aagaagattt ccggaatncc anggactnca ngccca 336

<210> 2292
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<400> 2292

ggccagtgga aatgtaaaga aggccctgaa gctgatgggg tcaaatgaag gtgaattcaa 60
ggctgaagga aatagcaaat tcacctacac agttctggag gatggttgca cgaaacacac 120
tggggaatgg agcaaaacag tctttgaata tcgaacacgc aaggctgtga gactacctat 180
tgtagatatt gcaccctatg acattggtgg tcctgatcaa gaatttggtg tggacgttnn 240
ccctgattct ctttatnaac caaacnctan c 271

<210> 2293
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<400> 2293
ttgggcntac ctnttccagg ccgcgggcgc cnagtatgta gttttgacga caaagcatca 60
cgaaggcttc acaaactggn cgagtcctgt gtcttggaac tggaactcca aagacgtggg 120
gcctcatngg gatttggttg gtgaattggg aacagctctc cggaagagga acatncgcta 180
tggactatac cactnactct tagagtggtn ncatcnactc tatctacttg ataagaa 237

<210> 2294
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<400> 2294
gacatgcggc ctctgtccaa caaggctagc gccttagtct tcttcagctg caggaccgat 60
atgccttatc gctaccactc ctcccttggc cagctgaact tcaccgggtc tgtgatatat 120
gaggcccagg acgtctactc aggtgacatc atcagtggcc tccgagatga aaccaacttc 180
acagtgatca tcaacccttc aggggtagtg atgtggtacc tgtatcccat caagaactgg 240
agatgtccca gcagtgagga actgggacat gtgacaggct gtggtggcac cactgagcct 300
agancatgga nccttggcat gcccagggca agtngggaag ttctctgctc cccaggctgc 360
tcngtnactg acccatcatc ccaaanncat ctcacggcca gtctttcctt ccaacntaaa 420
cctcttgaaa tctttgggca tttcctgtgg ctcctggctc t 461

<210> 2295
<211> 539
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 2295
gacaggatgt ggggactcgg anatnctact acggttttac ngccttctcc ctgacccaat 60
cactcctnat atcgggcaat cggggtttca aaaaantgcc tctcgggaat tgacgtccgc 120
tatttgcact tcctggaagg aacccgggac tatgactggc tggaaccact gcttntnaat 180
cagacggtga tgtcnatana cctnttctgg ttcaggcaca gaccccagga aagcttttcg 240
ggaagccctg ctcatagaca ggtacctgtt gntgcaccca gactttctcc gatacatgaa 300
caacaggtta cttgatgtct aaacacctgn attgtgccca ctggaatgat ataccgcccc 360
accactggng ccctcctgct gctcactgac cttccactct ttttaccaag ttagttgctt 420
tttgntncat cnctnanggc catgagcgct tttcctgatc actactatta tacatcatng 480
aaaccgctga atnttncata aaccatgact tccaacttga naaaaaaatt cttgaancg 539

<210> 2296
<211> 302

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<400> 2296
tctatatcca gtcccactac cagctggaac tgcagtgctg catcgactgg acccatgtca 60
ctgacccccc tcataggnac cagaagctcc aggaagaaaa acataaaagc ataactgagg 120
cacttaggag acaggagcag aatataaaga gttttgagga gacctatgac cgaaagctca 180
agaatgaact tctaaacttc cacaggctgc atggtgtctg cctggctttg ggaatcctca 240
tatgactttg gcaggtgttg gngtttggag gctcttcggc acaggagtgc ttctatttcc 300
tt 302

<210> 2297
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<400> 2297
gatatgcact tcgcagacac aaactaatgt ctctgatcca gaaggaagct caagggcaga 60
gtgggacaga ccagacagtg ggtgtgctct ccaaccctac atactacatg agcaacgata 120
ttccctatac tttccaccaa gacaacaatt tcctgtacct atgtggattc caagagcctg 180
atagcattct tgtncttnag agcctccctg gcaaacaatt accatnacac aaagccatac 240
tttttgtgcc tcggcgagat cccagtcgag aactttggga tggtccgnga tctggcactg 300
atggagcaat aagctctaac tggagtagac gaagcctata cgctagaaga atttcaacat 360
nntgtaccaa aaatgaaagc tgagacgaac atggtttggt attgactgga tgangtcctc 420
acatggcaca ngttttactn ttgactatat tgcagcccct tgactgaggc caaagtcaan 480
agcn 484

<210> 2298
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<400> 2298
gggcaaattc tgtgttcagt cggagaggca ggactccgct gctgtggggt ttgattacaa 60
ggagaagctg gccaagcacg agtcccagca agactactcc aaaggattcg gcgggaagta 120
tggggtgcag aaggatcgga tggataagaa tgcgtcaacc tttgaggatg tcacccaggt 180
gtcctctgcc taccagaaga cagtacctgt cgaagctgtg accagcaaaa caagtaacat 240
cagagctaac tttgaaaacc tcgctaagga gaaagagcag gaggacaggc ggaaggcgga 300
ngcngagaga gcccaacgga tggccaagga acggcaggaa caggaagagg ccaggaagaa 360
acttgganga acaagccaga gccaaaacgc aaacgccccc tgtgttnncc ggaccttaag 420
ccaaccnang gaaaagct 438

<210> 2299
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<400> 2299
ggccagtgct gccaggagct gcggacctcg ctgaggaatg tgaccctgca ctgcaccgac 60
ggctccagcc gggccttcag ctacaccgag gtggaagagt gcggctgcat gggccggcgc 120
tgccctgcgc cgggcgacac ccagcactcg gaggaggcgg aacccgagcc cagccaggag 180
gcagagagtg ggagctggga gagaggcgtc ccagtgtccc ccatgcactg accagcactg 240
ncgccctcct gacctccaag gagaacctcc catatgtcct ctgagctcgg cttcaaggcc 300
agtggaactt gtgcccctgt ccangcggct gcaagctttg aacacactgt cacgcccgct 360
ttcttgtgga aggtgtgggc tatgggtcac ctggttgctg gaagaagggg cccttaccca 420
acccggcctg gaagccacct ttttangaac cannccccg gggcttggcc gaancttnct 480
tttgggccat tgcattcca 499

<210> 2300
<211> 361
<212> DNA
<213> Homo sapiens

<400> 2300
gctggatgac tgggggggaga catgcaaagg ctgtgcagaa aagtctgact acatccggaa 60
gataaatgaa ctgatgccta aatatgcccc caaggcagcc agtgcacgga ccgatttgta 120
gtctgctcaa tctctgttgc acctgagggg gaaaaaacag ttcaactgct tactcccaaa 180
acagcctttt tggaaattat tttttaagtg ggctcctgac aatactgtat cagatgtgaa 240
gcctggagct ttcctgatga tgctggccct acagtacccc catgagggga ttcccttcct 300

tctgttgctg gtgtactcta ggacttcaaa gtgtgtctgg gatttttta ttaaagaaaa 360
a 361

<210> 2301
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 2301
gaattcggca gaggnatcaa cttggaaaca cccagtatgg tggctggaat ggaatttata 60
aaggtgggaa gggcatggga ggatgggaag gtgggatccg cgtgcccggg aatcttccgc 120
tggcccgggg tgctcccgnc cggccgagtg attggcgagc ccacggagtc tgatggacgt 180
gttccccacc gtggtccggc tggcgggcgg cgaggttgcc ccaggacaga gtgattnacg 240
gccaagacct tcttgccctt gctccttggg acaacccaac atttnagacc aggatttcct 300
gatgcattat ttttgagagt ttttttgnag gnacccagtg ggaattaaag gggcaaaggg 360
acantttggg aangcccatt ttnggaggct tttttttncn cancaaaggg gnnccntntc 420
ttttttnggn naaaatttnc ccctttttg gg 452

<210> 2302
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<400> 2302
ctggcgtcca ncgtnnatag ctcaacaggc tgcggcggct gtncaccaca cctgccagca 60
caaactcaaa gccggtangt gccgaaagcg tgctctgctc acgggcgaac agttccagcc 120
aacgggaaac cagtattgcc cttaccgaac aataccaggc cgatgcgttt ttntgcgcgg 180
aagacggact gatgcagccc ctgaatcagg ctttcggtcg ggccggtgcg catactgcca 240
ccaggctgat gccgtncatc ggacttgcca ggtnaaattc ggaccggctg gcctttaagt 300
ttgctgccag aagcggtggc aatgcagcgg gttaagggtt gacgnctgca acgaccntng 360
ncaacaggnc ancttgaag nagngcattt gncagtnatt ccgtttgtng ngnttttagn 420
gatttgggca tttta 435

<210> 2303
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 2303
ggtccttcta ctctcaaaag catgccaatt tgggtgataa attanttgat tgacttatgt 60
cagacccaaa ggacttatct caatggngga atccaggtcc tgtgatgggc acttgggcaa 120
ctttttgggg gcaaggagtc ctgatgagac aattttctgc aatgacancc cncttcatct 180
gcttcacang tggagtccgg acatcatacc agncctcgtc tcctgccgct tcaccaagga 240
gaccacccan aagaatttca acantntcta tggcaccaaa ggtaactaca cctccnggnt 300
ctgggagtac tcctncagca ttcagaactc tgacaatgac ctgcccgtnt tccaaggcat 360
ctcctccttc tccctgaaag gctatnccta ncttatgcgg agccnaagcc ncaaggccca 420
gccccagact tggaaatctg gc 442

<210> 2304
<211> 254
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<400> 2304
ttggcttttn cncncatcaa gctcggccgc tactcnggcc tgttncacgg tgtggcctac 60
ggagccacgc gctacaatta cctaaaacct cgggcagaag aggagaggag gatagcagca 120
gaagagaaga agaagcagga tgaactgaaa cggattgcca gagaattggc agaagatgac 180
agcatattaa agngagtgac cctgcgaccc actccttgga ccagcagcgg atgaataaag 240
cttcctgngn ngng 254

<210> 2305
<211> 443
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<400> 2305
gccccagaaa attaaaacaa accctgagaa ccaaaatgaa cgaaaatctg ttcgcttcat 60
tcattgcccc cacaatccta ggcctacccg ccgcagtact gatcattcta tttccccctc 120
tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180
taatcaaact aacctcanna caaatgataa ccatacacaa cactaaagga cgaacctgat 240
ctcttatgct antatccttn ntcattttta ttgccacaac taacctcctc ggactcctgc 300
ctcactcatt tacaccaacc acccaactat ctatnaacct anccatgggc atcccttat 360
gancgggcgc aatgattata ggctttcgct ctaaaattaa ngatgccctc ncccanttct 420
taccacaagg cacacctaca ccc 443

<210> 2306
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (689)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (715)
<223> n equals a,t,g, or c

<400> 2306
naaataaaaa attatnacaa accctgagaa ccaaaatgaa cgaaaatctg ttcgcttcat 60
tcattggccc cacaatccta nggntacccg ccgcagtact gatcattcta tttccccctc 120
tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180
taatcaaact aacctcaaaa caaatgataa ccatacacna cactnaagga cgaacctgat 240
ctcttatact antatcctta atcattttta ttgccacaac taacctcctc ggactcctgc 300
ctcactcatt tacaccaacc acccaactat ctataaacct agccatggcc atccccttat 360
gagcgggcgc agtgattata ggctttcgct ctaagattaa aaatgcccta gcccacttct 420
taccacaagg cacacctacn ccccttatcc ccatactagt tattatcgaa accatcagcc 480
tactcattca accaatagcc ctggccgtac gcctaaccgc ttacattact gcangccacc 540
tactcatgca ccttattgga ancgccaccc tancaatatc aaccattaac cttccctcta 600

cacttatcat cttcacaatt ctaattctac tgactatcct agaaatcgct gtcgccttaa 660
tccaaagcct acgttttcca cacttctnnt taagcctctt acctgcacaa caacnc 716

<210> 2307
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 2307
gattggtgtt acagcagtgg catttaataa ggaacttgat cctatacaga aactctttgt 60
ggacaagatt agagaataca aatctaagcg acagacatct ggaggacctg ttgatgctag 120
ttcagagtat cagcaagagc tggagaggga gctttttaag ctcaagcaaa tgtttggtaa 180
tgcagacatg aatacatttc ccaccttcaa atttgaagat cccaaatttg aagtcatcga 240
aaaaccccag gcctgaagaa ataaagtaaa attaatctgg taatttgtca cggattagtt 300
gtacaactag ttagaagttt cagaataaac atgcatttca taactgtcaa atgttctttt 360
aattctgagt ccaaataaat tatntggtga tgttgaaana cncnttaagc nctaaaatgg 420
g 421

<210> 2308
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 2308
gcaacactaa aggacgaacc tgatctctta tactagtatc nttaatcatt tttattgcca 60
caactaacct cctcggactc ctgcctcact catttacacc aaccacccaa ctatctataa 120
tcctagccat ggccatcccc ttatgancgg gcgcagtgat tatangcttt cgntctaaga 180
ttaaanatgc cctagcccac ttcttatcaa aangcacacc tacacccctt atccccatac 240
tagttattat ggnaaacatn atcctactcn ttcnaccaat agccctgggc gtnagcctaa 300
tcgcttacat tactgnaggg cacntactca tgcacctcat tggaancgtc ccctacaata 360
tcaatcatta aacttccctc tacacttatc tcttcacatt ctattctaac ttaatatcct 420
aanaaattcc ttttcncttt attccaagcc caacttttc cnactttntt cttaaacccc 480
ttactttncg aaaaaccttt tt 502

<210> 2309
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<400> 2309
gcgggaagcc ttccagagtg tggtgctgcc ggcctttgag aagagctgcc aggccatgtt 60
ccagcaaatc aatgatagct tccggctggg gacacaggaa tacttgcagc agctagaaag 120
ccacatgaag agccggaagg cacgggaaca ggaggccagg gagcctgtgc tagcccagca 180
agcccatatc ctgcagctgc tgcagcaggg ccacctcaat caggccttnc agcaggcgct 240
gacagctgct gacctgaacc tggtgcttgt atgtgtgtga aat 283

<210> 2310
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<400> 2310
gcagcattcg ggccgagatg tctcgctccg tggcctgagc tgttctcgcg ctactctctc 60
tttctggcct ggaggctatc cagcgtactc caaagattca ggtttactca cgtcatccag 120
cagagaatgg aaagtcaaat ttcctgaatt gctatgtgtc tgggtttcat ccatccgaca 180
ttgaagttga cttactgaag aatggagaga gaattgaaaa aagtggagca ttcagacttg 240
nctttcagca aggactggtc tttctatctc ntgnnctaca ctgaattcac ccccactgaa 300
aaaagaatga agtattgcct ggccgtgtga accatggtga ctttttcaca agccaaagat 360
agtnaantgg gaancaagac atgttaagca gcatcatgga aggtttgaag aatccccatt 420
tgggaattgg atgaattccc aaattcttgc ttgcttggct ttttaaanaa tggnaancct 480
attncacttt aacacttttа ttgcccaaaa antg 514

<210> 2311
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 2311
ccntcactaa gggacaaagc tggngctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggg ctgcaggaat tcggcacgag cgaagcgggg gctgccccag tcactgcagg 120
acgccgaccg cctgcgccgc tccccactnc tgcggggccg nccccgccag gnccacctgc 180
ctctgctgcc gccctccaac tcctactggg ccggccacac ccccgagcag cactagtcct 240
gcctggtggc cctgggagcc aggatgggac caaagtcaag gcctggggca tggctgagta 300
ccccagacgt ctggtccagg gcagacacat tnctctcaga agcccgtgtc tcagtgcagg 360
tggagccgtg gggacagcgt gaaggtgtct ccagccaggc cccaggcact ggaggccctg 420
ggtcttcccc cagncacanc cagtaggtgt ggaggataaa ggcttctgtg g 471

<210> 2312
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<400> 2312
ggtntgcatg tcatacgcgt tccacacgcc agacaagctc agcttcatcc tggacctcat 60
gaacggtggg gacctgcact accacctctc ccagcacggg gtcttctcag aggctgacat 120
gcgcttctat gcggccgaga tcatcctggg cctggagcac atgcacaacc gcttcgtggt 180
ctaccgggac ctgaagccag ccaacatcct tctggacgag catggccacg tgcggatctc 240
ggacctgggc ctggcctgtg acttctcaag aagaagcccc atgccagcgt gggcacccac 300
gggtacatgg ctccggaggt cctgcagaag ggcgtggcct acgacagcag tgccgactgg 360
ttctctctgg ggtgcatgct cttcaag 387

<210> 2313
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 2313
nnccctacgc ccgttacttt cggtttcttn ccttcctttt ttgccacgtt cgccggtttt 60
ccccgtcaag ctttnaatng ggggctccct ttagggttcc caattaanng ctttacggg 119

<210> 2314
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (666)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (672)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (677)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (712)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (732)

<223> n equals a,t,g, or c

<400> 2314
nctactatcg ggaaagctgg tacgcctgca ggtaccggtc cggaattccc gggggtggtt 60
acgcgcagng tgaccgctac acttgccagc gccctancgc ccgctccttt cgctttcttc 120
ccttcctttc tcgccacgtt cgccggcttt ccccgtcaag ctctaaatcg ggggctccct 180
ttagggttcc gatttagtgc tttacggcac ctcgacccca aaaaacttga ttagggtgat 240
ggttcacgta gtgggccatc gccctgatag acggtttttc gccctttgac gttggagtcc 300
acgttcttaa tagtggactc ttgttccaaa ctggaacaac actcaaccct atctcggtct 360
attcttttga tttataaggg attttgccga tttcggccta ttggttaaaa aatgagctga 420
tttaacaaaa atttaacgcg aattttaaca aaatattaac gcttacaatt taggtggcac 480
ttttcgggga aatgtgcgcg gaaccctat ttgtttattt ttctaaatac attcaaatat 540
gtatccgctc atgagacaat aaccctgata aatgcttcaa taatattgaa aaaggaagag 600
tatgagtatt caacatttcc gtgtcgccct tattcccttt ttttgcggca atttgcctt 660
ccctgntttt tngcttnacc ccagaaaacg ctggtggaaa aggttaaaaa gnattgcctt 720
gaaatatcca antttgggt 739

<210> 2315
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<400> 2315
tctagatcgc gagcggccgc tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc 60
atagctcttc tatagtgtca cctaaattca attcactggc cgtcgtttta caacgtcgtg 120
actgggaaan cccaaaancc gcncaacnng atg 153

<210> 2316
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<400> 2316
ttactagttc tagatcgcga gcggccgntc tagaggatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 120
acgtcgtgac tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc 180
tttcgccagn tggcgtaata gcnaagaggc ccgcaccgat cgccttccca acagttgcgc 240
agnctgaatg gngaatggga cgcgccctgt agcnngcgca ttaaacgccg g 291

<210> 2317
<211> 363
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<400> 2317
ntnctaaatn ttnttgggaa taancgactc actataggga aagctggtac gcctgcaggt 60
accggtccgg aattcccggg tcgacccacg cgtccgccca cgcgtccggg ggttgaggga 120
caaagtagtg aagaactgta agatattcaa tatagtgtat tgatgaatta gaattgtatg 180
gaaagataaa ccgcagaagg tgagagtcct gtataagtaa atccttacac atataacttt 240
gctcccaagt aacatggaac acgaggaatt ctgtgtgaat cagngaggac catatctnat 300
aaggctaaat actcttacta accgatagcg catagnaccg ngagggaaag gngaaaagaa 360
ccc 363

<210> 2318
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<400> 2318
naactccttt ggaaaacncg ctactatatg naaagctggt ncgcctgcag gtaccggtcc 60
ggaattcccg ggtcgattna cgcgttttta gatcgcgagc ggccgctcta gaggatccaa 120
gcttacgtac gcgtgcatgc gacgncatag ctcttctata gtgtcaccta aattcaattc 180
actggccgtc gttttacaac gtcgtgactg ggaaaaccct ggcgttaccc aacttaatcg 240
ccttgcagca catccccctt tcgccagctg gcgtaatanc gaaaangccc ggaaccnatn 300
gcccttnccc aacaggttgc gcagccttga atggcgaatg ggacgcgccc tgtaagcggc 360

NSDOCID: <WO___0122920A2_I_>

gcattaagcg cggcnggtgt ggtggttacg cncagcgtga ccgctacact tgccagcgcc 420
ctagcgcccg ctccttttcna ttncttccct tccttttnt 459

<210> 2319
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<400> 2319
gagatctctc tgnaaaacnc gactcactat ttgggaaagc tggcacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcttt cgcgccattc aaaggccatt tctgttacta 120

tcgtttggaa tacagtgtgg ccaaagccaa ggcaactggt cactgtgact ggaaattgta 180
gccctggctg attgtggtat gagactgcta atatgaattc taaaatctca ctttaatgca 240
gcaaagccta tttcttgaag tggttgggga gaaagtacag cacatgaaaa tgatagagaa 300
ttcacatttc agtgtatgta aataaagact tactggagtg cagccacact taaaaaaaaa 360
aaaaaagggc ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc cgacgtcata 420
nctcttctat agtgtcacct aaattcaatt cactgggccg tcgtttacac gtcgtgactg 480
ggnaaaaccc tgcggtaccc caacttaatc cgccttgcag aacatccccc tttcgcaagn 540
tgngaatacc aaaaggcccn accnat 566

<210> 2320
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (247)
<223> n equals a,t,g, or c

<400> 2320
ntctggnacg acccantata gggaaagctg gtacgcctgc aggtaccggt ccggaattcc 60
cgggtcgacc cacgcgtccg ggctgtggtc ccagtgctga attctgccaa gcagtgactt 120
gattcatgaa cactcactgg atgctgactc tgtttctctt ctgagtgctg gggtagagga 180
gaggagaggt ggagcacaga tcttgctttt atgagcttat gntctaggaa gnncaaacaa 240
gtattnnttc agg 253

<210> 2321
<211> 195
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<400> 2321
gctagttcta gatcgcgggc ggncgntcta gaggatccaa gcttacgtac gcgtgcatgc 60
agacgtcata gctnttctat agtgtcacct aaattcaatt cactggccgt cgttttacaa 120
cgttgngact gggaaaaccc tggcgntacc caacttaaac gacttgcagt acattccctc 180
tttngccagn tggng 195

<210> 2322
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2322
ggccttangg ctaccacccc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgtttctta ctccttatgt ttgaanagaa acntnnggng tgagatatac aaatatattt 120
aattgngtca tattaaactt ctgatttnac aaaaaaaaaa aaaaagggcg gccgctctan 180
aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttntatag tgtcacctaa 240
attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 300
acttaatcgc cttgcagcac ataccccttt cgccagctgg cgtaatagcg aagaggcccg 360
caccgatcgc ccttnccaac agttgcncag cctgaatggc gaatgggacg cgccctgtag 420
cggcncatta agcgcggngg gtgtggtggt tacnc 455

<210> 2323
<211> 211

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)

<223> n equals a,t,g, or c

<400> 2323
cngaaanccc tttggaaacc ccnttggnac gaccgantat agggaaagct ggtacgcctg 60
caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggcggacgc 120
gtgggcggac gcgtgggtca aagntggata caagaagctn tttgtactgg atgatcgtga 180
ggctcataat gaggtanaac cactttgnat n 211

<210> 2324
<211> 231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)

<223> n equals a,t,g, or c

<400> 2324
gcggacgcgt gggctatttt ctaaataaac ctttgtaatc taaaaaatan annggagggc 60
ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc gacgtcatag ctcttctata 120
gtgtcaccta aattcaattc actggccgtc gttttacaac gtcgtgactg ggaaaaccct 180
ggcgttaccc ancttaatcg ccttgcagca catnccccct tcnntcagnt g 231

<210> 2325
<211> 148
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)

<223> n equals a,t,g, or c

<400> 2325
ctnganntcc tctggaaaac ccctcactat aggttaagct ggtacgcctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtnc gnaagctgac acagaccttn antacgtatt 120
ctgacaacca agaggnggag attatgaa 148

<210> 2326
<211> 142
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2326
atnntgnaan accnctcact ataggtaaag ctggtacgcc tgcaggtacc ggtccggaat 60
tcccgggtcg acccacgcgt ccggggagag ttcacattat tnctttttcca tnggaagngg 120
tgctggngna ttcaaatcgt tc 142

<210> 2327
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<400> 2327
cttctctgga tangccngta gaactcctct ggaaaccctc actatagggn aagctggtac 60
gcctgcaggt accggtccgg aattcccggg tcgacccacg cgtccgccca cgcgtccgcc 120
cacgcgtncg aaaaanaaag gaanaaaaaa nanaa 155

<210> 2328
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2328
cnctcnccng cctcgtatcc nnctcactat agggaaagct ggtacgcctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggtcgaccc gganatctng 120
gngnggttnt 130

<210> 2329
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 2329
tactataggg aaagctggta cgcctgcagg taccggtccg gaattcccgg gtcgacccac 60
gcgtccggnc aatntngnng cttcttgtgg ccaacttcag agcctgtcac caggaaaggt 120
aagnatggga ggnatgaaga tccaacatat gaacanaatg tttatggttt ataagagaac 180
tctcagnncc c 191

<210> 2330
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 2330
tccctatgna acnccttttgt aataccctca ctatagggaa agctggtacg cctgcaggta 60
ccggtccgga attcccgggt cgacccacgc gtncgcagaa agggagacca tttcatctct 120
tcagggaaca atccctggga atgtacttat tcattatggc ataaaagcag tngtataaat 180
acattcccag ggattgntcc nagaanggga gacnat 216

<210> 2331
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<400> 2331
tccctngtaa actccttttgn aataccccctc actataggga aagctggtac gcctgcaggt 60
accggtccgg aattcccggg tcgacccacg cgtccgggca tttctgaagt gcacttttntt 120
gaaacatnat tttgctaact ctcagcagtg tctaattaaa ctgagcaata nttttgtgaa 180
ttttaattaa tctcagcaaa accatgatgg gagagagtcn tntgatggaa atgtagtccc 240
tggattatgt gtaacctttt tattgntctt agatgcanag gatagaaaag catttttggg 300
tgcantggt 309

<210> 2332
<211> 158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<400> 2332
ggactagttc tagatcgcga gcggccgctc tagaagatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tattgtcacc taaattcaat tcactggccg tcnttttaca 120
acgtcgtgac tgggaaaacc naacnncang cccttcat 158

<210> 2333
<211> 219
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 2333
nccaattcta ntacgntcct cataggttaa agctggtacg cctgcaggtn ccngtccgga 60
attcccgggt cgacccacgc gtccgactag ttctagatcg cgagcggccg ctctagagga 120
tccaagctta cgtacgcgtg catgcgacgt catagctctt ctatagtgtc acctaaattc 180
aattcactgg ccgtcgtttt acaacgtcgt gactgggaa 219

<210> 2334
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<400> 2334
gcccacgcgt ccggactagt tctagatcgc gagcggccgc tctagaggat ccaagcttac 60
gtacgcgtgc atgcgacgtc atanctcttc tatagtgtca cctaaattca attcactggc 120
cgtcgtttta caacgtcgtg actgggaaac caaaanannn 160

<210> 2335

<211> 154
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 2335
ggactagttc tagatcgcga gcggccgctc tagaggatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 120
acgtcgtgac tgggaaaacc caaanagaaa nnnn 154

<210> 2336
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 2336
gntagttcta natcncgagc ggncgancna gaggatccaa ncttangtac gcgtgcatgc 60
gacntcatag ctctnctatc atgtcaccta aattcaattc actggccgnc gntttacaac 120

gtcgtgactg ggaaaacgaa tgt 143

<210> 2337
<211> 246
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 2337
ggnnnctnan tacgctctct aaaatacgag gccctataag gaaagctggt acgcctgcag 60
gtaccggtcc ggaattcccg ggtcgaccca cgcgtccgga ctagttctag atcgcgagcg 120
gccgctctag aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttctatag 180
tgtcacctaa attcaattca ctggccgtcg ttttacaacg tcgtgactgg accccaaaaa 240
nnnnna 246

<210> 2338
<211> 95
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<400> 2338
ntgattacgn nntctcaaat acgagtcact atanggaaag ctggtacgcc tgcaggtacc 60
ggtccggaat tcccgggtcg acccacgcgt ccgct 95

<210> 2339
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<400> 2339
ggggggggggg ggtgggtaat gattacgccc tctcnaatac gantcactat agggaaagct 60
ggtacgcctg caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc 110

<210> 2340
<211> 151
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<400> 2340
ntgattacgg cnctctcaaa tacgacncnc tatagggnaa agctggtacg cctgcaggta 60
ccggtccgga attcccgggt cgacccacgc gtccggggtt ttagtcgtga ttttttttt 120
ttnnccnggt tgtngtcttt tttaagcaan a 151

<210> 2341
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (159)
<223> n equals a,t,g, or c

<400> 2341
gcggacgcgt gggactagtt ctagatcgcg agcggccgct ctagaggatc caagcttacg 60
tacgcgtgca tgcgacgtca tagctcttct atagtgtcac ctaaattcaa ttcactggcc 120
gtcgttttac aacgtcgtga ctgggacccn aaaaannnn 159

<210> 2342
<211> 138
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 2342
gatcgcgagc ggccgctcta naggatccaa gcttacgtac gcgtgcatgc gacgtcatag 60
ctcttctata gtgtcaccta aattcaattc actggccgtc gttttacaac gtcgtgactg 120
ggaaacccaa aannntnnn 138

<210> 2343
<211> 175
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<400> 2343
gcagggtagg tacaaaaacc tcccgtggta ncaaaagggc ggccgctcta aaagatccaa 60
gcttacgtac gcgtgcatgc ggacgtcata gctcttctat agtgtcacct aaattcaatt 120
cactggccgt cgttttacaa cgtcgtgact gggacccccn aaatnggnng gggnt 175

<210> 2344
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (582)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 2344
taagctggta cgcctgcagg taccggtccg gaattcccgg gtcgacccac gcgtccgagt 60
ntnataaaaa aaaggttcag tattttcttt ttagtataac ttacatcctt tcaaataagt 120
ctttgccctc atgaagaatc cctagaggaa gataaggaaa ataagtattt tccagttttg 180
cttgacagtt tctaaacaaa caaaaataaa ctcaatgaaa ggaaagatgt ttctttttag 240
ctgagatgac agattgcttc tctgtattaa atagtctaga agttaagggg atggtcacat 300
ttaccatgta ttgtgttatt agcagttaaa ttttatgaat atgtttgtaa aattgttgtt 360
ttatatttca tgtcaaattg aaaagtttat ttcttcacta ttgtacctgt ggaaatacaa 420
gccattttac aggaaaaaat cttcaaaaac tattaaatgg atatcagcct gttaaaaaaa 480
aaaaaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 540
agctcttnta tagngtcacc taaattcaat tnactggccc gnng 584

<210> 2345
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<400> 2345
ccnttatgga aagccccgtt gcgnaancaa tttcacacag gaaacagcta tgaccatgat 60
tacgccaagc tctaatacga ctcactatag ggaaagntgg tacgcctgca ggtaccggtc 120
cggaattccc gggtcgaccc acgcgtccga ctagntctag atcgngggcg gccgctctag 180
aggatccaag cttacgtacg cgtgcatgcg acggcatagc tcttctatag ngacacctaa 240
attcaattca ctggccgtng ntttacaacg acgngactgg gaaaaccctg gcgttaccca 300
acttaatcgc cttgcagcac atccccnttt cgccagctgg cgtaatagcg aagaggcccg 360
naccgatcgn cttgccaaca ggtgcgcagn ctgaatggcg aagggacgcg ccctggagcg 420
gngcattaag cgcggngg 438

<210> 2346
<211> 168
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 2346
ggacgcgtgg tttnacccac gcgtacnaca gcggccgctg tagaggatcc aagcttaccg 60
tacgcgtgca tgccgacgnc atagctcttc tatagtgtca cctaaattca attcactggc 120
cgtcgtttta caacgtcgtg actgggaaaa cccagacann tnattnat 168

<210> 2347
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<400> 2347
ggnctataca aaatngntcg ggaaccagct catgaccatg attacgccaa gctctaatac 60
gactcactat antgattngc tggtacgcct gcaggtaccg gtccggaatt cccgggtcga 120
cccacgcgtc cgcccacgcg tccgtttaat ttgtacttaa aatacatttt actaatcata 180
ttgattttaa atatgacaaa ttcttctagt agatactaat ctttcttgtt tatcatattg 240
tcctagagaa gcctaggtaa aaatgggttc cacctagtct gtttgtataa caccttcccc 300
cgtcccctct ccatccctgc caattgggct ctatgcatat tgacaagcaa ataagaaaac 360
cttaggtttc ttgtatttga atttccaaaa caataaaagg ttttgactca agatttgcat 420
tcaagaagag gcagaaattt tgtcttatct ttttatcatt ttgtgaactt gtgtttctct 480
gtatgcttag aaaattttac acacaaggaa tgtttgaaaa agtgagaatt ttagagtgct 540
tgggtggntn tatttggcag ngctgatgng ntagg 575

<210> 2348
<211> 188
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<400> 2348
ggnaagacag nttatcncca tgattacgcc aagctctaat acgactcact atagggantn 60
gttggtacgc ctgcaggtac cggtccggaa ttcccgggtc gacccacgcg tccgctaagt 120
ctgatcgcat tgtgaatgaa acttagattt gaaaacagct cctaggatnc ctgncagcnc 180
ctgnagna 188

<210> 2349
<211> 168
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 2349
acataatnng atcngtactc actcatgacc atgattacgc caagctctaa tacgactcac 60
tatatngatt ngctggtacg cctgcaggta ccggtccgga attcccgggt cgacccacgc 120
gtccgaatat ttgttgctgg aataaatgaa tganntaaaa aaaaaaaa 168

<210> 2350
<211> 379
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (379)
<223> n equals a,t,g, or c

<400> 2350
accgaanact taatcaggaa ncagccntga cccngattac gccaagctct aatacgactc 60
actataggga anagctggta cgcctgcagg taccggtccg gaattcccgg gtcgacccac 120
gcgtccgact gacgtgaaga aaatatgcca ttgtttattc cctcctgcat catttccata 180
atttgctttt gtactgtcaa tttagaggaa atgtgtgatg ctggtgtttt gtttggcctg 240
tttgtttgat gctgggggtt ttatgtgttg nacccttac cccttacatt gngtaatttg 300
aaagtggcaa acaaacctgc agtaaaagtc cttgattggc atcttcattc ggatgatgga 360
gagcctttgn ggnagnggn 379

<210> 2351
<211> 224
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 2351
cntaagggga atcngnnaac agccatgacc atgattacgc caagctctaa tacgactcac 60
tatagggaaa gctggtacgc ctgcaggtac cggnccggaa ntcccgggtc gacccacgcg 120
nccgcccacg cgtccgntcc tatgaccaca aagggccgna agaaatattt tttacactaa 180
aatacacttg ggtaccactt gnattttagn gtaaataaaa agat 224

<210> 2352
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 2352
nactatcggn aacctncaca ggataaccgc tatgaccatg attacgccaa gctctaatac 60
gactcactat anggaaagct ggnacgcctg caggtaccgg tccggaattc ccgggtcgac 120
ccacgcgtcc gatcattttg ctcatgngtc ttttcttagn gagcacagca aaaaaatgtg 180
tntctgatca ttggacatgg catcagtagt gatgggattc actgacttgn cacacaggag 240
atctgggtta tagttcaagc tctctttctt tttctaaaat tggttatgcc atttatattc 300
tcctctgaga taaggatcta ctagaaattg ctgngttcta aactaatact tatcaaacag 360
ggttccatgg tcctaaggga accgtgcact gcacatcttc tgaggtctgg aaaatcttta 420
ggaatttcag ngngngngng 440

<210> 2353
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<400> 2353
cttaaggggg ggaantaaat ggganaactc cccccncctt ttcccgggaa aaccnctctg 60

accatgattn cgccaagctc taatacgact cactatttgg aaagctggna cgcctgcagg 120
tnccggnccg gaattcccgn ntcgncccac gcgtccggga gcagagagga ggcaanggcc 180
accatggaga acaaggngat ctgcgccctg gncctggngn ccatgctggc cctcggcacc 240
ctggccg 247

<210> 2354
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<400> 2354
tangggggac ntctaacggg aaacncnaac aattttaccc aggaaaccgc tatgaccatg 60
attacgccaa gctctaatac gactcactat agggaaagct ggtacgcctg caggtaccgg 120
nccggaattc ccgggtcgac ccacgcgtcc gcatggnttt cggngattta gagtttaagc 180
cagnagnggg gcgactgtac atctatcgac atggngaggt agagcatgtt tgggaggaaa 240
gacgntgaat cccatttggn gacagngagc ttgaggngct gccagaacac tgcactgaag 300
ataggaggag actgn 315

<210> 2355
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<400> 2355
aggggggat taatngaaaa nntccgnaaa tttccggtaa ngaccatgat tacgccaagc 60
tctaatacga ctcactattt gggaaagttt ggtacgcctg caggtaccgg tccggaattc 120
ccgggtcgac ccacgcgtcc gggatatttg taaaaaatat cctgcattat cttcaaaata 180
aagaaacacg cnannnn 197

<210> 2356
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 2356
cgacnatgct ncgccaagct ctaatacgac tcactatagg gaaatgttgg tacgtntgca 60
ggtaccggnc cggaattccc gggncgaccc acgcgtccgg ctaggagccg cgcgagtcgt 120
agngacgntg aatgcgggt 139

<210> 2357
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2357
cgtntcnatc ggaaacagcc tgaccatgat tacgccaagc tctaatacga ctcactatag 60
ggaaanttgg tacgcctgca ggtaccggtc cggaattccc gggtcgaccc acgcgtccgg 120
gtgaaagggg ggaccctacc ctcagaacat gagggaataa tatttacgng gctcacaaag 180
accagtgagt acatcatatg catcttntcac aactccccag aagagggcct ccagcacgag 240
tctaggctca gccttnnctg accctccgag aactctatga attgctgcca agtgntttaa 300
ttttcctnag aatttcttng naatgttatt gagggttgga ggtccttta caaattttgg 360

ENSDOCID: <WO___0122920A2_I_>

aaataagtaa atcaaatgag aagaccatgc ttccaaacaa tcattctggt taacagatcc 420
cctngattta atgcaattat gaatgcgtta gnggtagtgt agtttaagan ctttcctngg 480
atgnacangc tttaagaaac caacctagga gnggattttc tataagnaat gggtctaaga 540
ctttacgctt tacacatcaa tgatatacgc tggctttt 578

<210> 2358
<211> 166
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<400> 2358
gncgagaata ctcntttctt cttgaaacag ccatcaccat gattacgcca agctctaata 60
cgactcacta tagggaaagc tggtacgcct gcaggtaccg gtccggaatt cccgggtcga 120
cccacgcgtc cgaaaanann aanagaacct taaaaaacta gaganc 166

<210> 2359

<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<400> 2359
tacagtttct ttaggaaaca gcctgaccat gattacgcca agctctaata cgactcacta 60
tagggaaann tggtacgcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc 120
cgaaagtttt aagtcctggg ttttcagact actgtgtagc agctgtgtgt ttaacatact 180
gtagcttttt ctcccttggg ggcacataca aataggatgt gttgatgtgg actctaaact 240
gtaattttcc tgtaactatt ttggaatgat gcatatttct aatgtttgtt atacttgtac 300
agagtattgc tgntggttgc tttnttttt ttttaaggaa aaaanggcnt gaaaacnttt 360
ttttaaaga 369

<210> 2360
<211> 185
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<400> 2360
ggagaancct cntttcattc ttgaaacagc tatcaccatg attacgccaa gctctaatac 60
gactcactat agggaaagct ggtacgcctg caggtaccgg tccggaattc ccgggtcgac 120
ccacgcgtcc gggcctntga aaataaggaa gcatnggagc tatagccatg tagagnnang 180
ggcta 185

<210> 2361
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2361
ccgcnagnna acctcacttt gntacgaccc actataggga aagntggtac gcctgcaggt 60
accggtccgg aattcccggg tcgacccacg cgtccgaaat aacctttgt ggtcactgta 120
aaattaatat ttggtagaca gaatccatgt acctttgcta aggttagaat gaataattta 180

ttgtattttt aatttgaatg tttgtgcttc cgttttgttt ctgctcagta atatagtcaa 240
gcaagtttgt tccaagtgac ccattgagct gtgtatgcat ttttgtttat ttcaataaaa 300
tatatttgta ttatttgtcc ttcatactat ccatccatac cacactatct tctgtatcag 360
gtagtctaat agaaatatac ctgttttgtt ctaaaaaaan nnnn 404

<210> 2362
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<400> 2362
ggcccagtat tattccagat tctcctgagc tagatactgc cctaaggcct tgtacactta 60
aactaccacg atgtgccttt ctgaatatta cccaattact ccaggaagtg agcataaata 120
taactgccat tctttattaa cattttatgc ctatgccatt ttcaactagt tatgcggtga 180
ctaattttag ttgtttaggc cccaagtact atatttgaat aatattccat gtttttaaca 240
tgaagaaatg ctactagttc tagatcgcga gcggccgctc tagaggatcc aagcttacgt 300

acgcgtgcat gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg 360
ncgttttaca acgtcgtgac tgggaaaacc ctggcgttac ccaacttaat cgccttgcag 420
cacatncccc tttcgcagct ggcgtaatag cgaaaaagcc cgcaccgatc ggccttccaa 480
caagttgcgc agcctgaatg gggaatggga cgcgccctgt ancggngcat taancgccgg 540
gggtgtggng ggtacccnca a 561

<210> 2363
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 2363
ggcagactct tcctcctctc ctcgatacac aggggcccct gccacagcct gactctctgc 60
cacctcgtga gtctctggaa agcagggtcg gcctctgaat acagaggact tgggtcctgc 120
cggaggatgc ttggccagtg ggtgctggca cgtgagcagc ccccggggag tcagagtggg 180
gctgcagcga aggccgtggt ggtcgaggtg agggtggtgg ccaggtcttg ttgccgcagt 240
gaggattctg gggttaccct aagagccacc acattcaggc actcaagaaa aagcacgtca 300

aaataaaata ttttcacctg aaaaaaaaan nnnnannnnn aaaaaaaaaa gggcggccgc 360
tctanaggat ccaagcttac gtacgcgtgc atgcgacgtc atanctcttc tatagtggca 420
cctaaattca attactggcc gcgttttaca acgtcngact gggaaaaccc tggngttacc 480
caacttaatc gccttggann aaatnccctt ttg 513

<210> 2364
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<400> 2364
aaaacatttg ctataactta aaatataatt ttgacatgga tctaccattg tattttgaaa 60
ctgtatagct atagtggctc cttatgtata tttagattta cttacagctt gaaagtaatg 120
aacaacttgc atgaattagt ttnttgtacc acacatttta ttgttngtag gctactctcc 180
ctgaaaaaca attatttcag gaatgtattc attgtggtac ttttagaaat gattatttgt 240
gaagttaata ctcatattnt ttaccttatt tnatttttat tctgaataaa ataatatgga 300
gattcttacc ncaaannnna nncannaagt nanaannacc ctcccanaag ggcgggcgcn 360
ctanaagatc caagcttacg tacgcgtgca tgcaacgtca taactcttct atagtgtccc 420
taaattcaat tcnctgggcc gtcgttttac aacgtcntga ctgg 464

<210> 2365
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<400> 2365
cnctagagaa cccnctttg gaatacgnnt cantataggg aaagctggta cgcctgcagg 60
taccggtccg gaattcccgg gtcgacccac gcgtccggag nactgntggg anngggnttg 120
tgaggtggca tcntgcnctg atnagggacc catnntgaat ttctgtgngg gatangagtt 180
gaacaaagta gcaaaacaaa ggcaagtgan tatatgaaag attagaagca ctggaataan 240
caggctnttt aaagtganga aattancaat gaaaaagca 279

<210> 2366
<211> 243
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<400> 2366
aataaggnga ngagngttaa gancggatac gactcactat agggaaagct ggtacgcctg 60
caggtaccgg tccggaattc ccgggtngac ccacgcgtcc gtggaaatct gtcctccana 120
atccaggcca naaagttcac agtcaaatgg ggaggggtat tcttnatgca ggagacccca 180
ggccctggag gctgcnacat acctnaatcc tgtcccangc cggatcctnc tgaagccctt 240
ttt 243

<210> 2367
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<400> 2367
gncctgnggc ttggaancta nnaacccagt tgggaacgac ccactatagg gaaagctggt 60
acgcctgcag gtaccggtcc ggaattcccg ggtcgaccca cgcgtccggt aaaacctgga 120
taatcagngt atgttgcacc agaggnagca tnggnntttt aactgcaaaa aatgatgg 178

<210> 2368
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 2368
tttggaatcc agctaangna ccnccgtttg ggaacgacnc actataggga aagctggtac 60
gcctgcaggt accggtccgg aattcccggg tcgacccacg cgtncgattn tatgnctttg 120
tggctnctac agtaactna 139

<210> 2369
<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<400> 2369
ccgctataga cccccgttgg aacgacccac tatagggaan gctggtacgc ctgcaggtac 60
cggtccggaa ttcccgggtc gacccacgcg tccggggctg agtgntctgg gattnctcta 120
gaggctggca agaaccaggn ggttttgnct tgcgggtctg gacaggggtt ggaaaggcca 180
ancccga 187

<210> 2370
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 2370
atttgtaata cnanncacta tagggaaagc tggnacgcct gcaggtaccg gtccggaatt 60
cccgggtcga cccacgcgtc cgatagtaaa gactgntctg tggatgggag tgnntaatac 120
attatatatt ttgtacagag antacaggcc ntnngatnta ttaaaatcag nagatgntng 180
gcctaattct tagcantant nagannttg cgccagaact ttgttgngca cgctttntgn 240
gatcngcgtt aaaaacctgc atagccaaca ttgnagatag aacttaaant agatattcaa 300
ataaatattt aatttttaa attgatcttg tataatcana tgccccttna agcattatta 360
tagaagn 367

<210> 2371
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<400> 2371
acccattttc atntggaagc acgctatgac catgattacn ccaagctcta atacgactca 60
ctataggnaa agctggnacg cctgcaggta ccgggccgga attcccgggt cgacccacgc 120
gtccggagat antangtaat tgtattgatc tgcagangca tccatctctt ggattctnat 180
tncttctacc antgcagaac tttcacctgt aatcactttc ctttggcctt aangataac 239

<210> 2372
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<400> 2372
nctacgaanc anccaagctc ctncgggaaa gccntaacaa tttcacncag gaaacagcta 60
tgaccatgat tacgccaagc tctaatacga ctcactatag ggaaagctgg tacgcctgca 120
ggtaccggtc cggaattccc gggtcgaccc acgcgtccgg ccccagccgt gagattccca 180
ggagtttaca cttggtgatc agnactgaac acagaccacc aaccatggag ttggggctta 240
gctggattat ncttgntgct atgataaaag gngtnaacg 279

<210> 2373
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<400> 2373
tagctcgtcc ggaaaaccnt tacacaggta aacagntatg accatgatta ccgncaagnt 60
ntaatacgac tcactatagg gaaagctggt acgcctgcag gtaccggtcc ggaattcccg 120
ggtcgaccca cgcgtccgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaanaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaan gggngntant tt 262

<210> 2374
<211> 194
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<400> 2374
acaaccttac acaggtagcn gctatgncca tgattacgnc aagntctaat acgactcact 60
atagggaaag ctgntacgcc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 120
tgcgctattg cgggcctnca gctcatcgtt tcacntcacc cccctgcncc tccttggntc 180
taantatgct aatg 194

<210> 2375
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 2375
acttgttctc ctgggaagcn cntaacaatt ttacacagga agacagctat gaccatgatt 60
acgccaagct ctaatacgac tcactatagg gaaagctgnn acgcctgcag gtaccggtcc 120
ggaattcccg ggtcgaccca cgcgtccggn caggcctaaa gccattttat agctattggc 180
ctaattgtgt aacttttttct ttcaaaatgt tttattataa tacttntgtc atttctttca 240
cttaatatgn caattgtcat aataaaaatt taaatttgaa aaaannana 289

<210> 2376
<211> 177
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO___0122920A2_I_>

<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<400> 2376
caggaaacag cnatgaccat gattacgcca agctctaata cgactcacta tagggattgc 60
tggnacgcct gcaggtaccg ggccggaatt nccgggtcga cccacgcgtc cgnaagatga 120
tatcaatanc aatgccacct gcttgaaggc tatatgtgac aagtnactag aggntca 177

<210> 2377
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<400> 2377
tctcttggat aacaccctna cacagganac agctatgacc atgattacgc caagctctaa 60
tacgactcac tataggnaaa gntggtacgc ctgcnggtac cggtccggaa ttcccgggtc 120
gacccacgcg tccgtgntaa ggctgctagc cacctgtttt gctaganaca ggncgaccta 180
cnttacttga gtnccag 197

<210> 2378
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<400> 2378
ttaantgaac ncccntacac aggacacagc tatgaccatg attacgccaa gctctaatac 60
gactcactat aggnaaagct gttacgcctg cangtaccgg tccggaattc ccggntcgac 120
ccacgcgtcc gcctttgggg tacataaaat gtcgggttct ctgaattttt tatcgaattt 180
agaatgtctg ctacatttat ttaacttctg caaatgctta aaatgaaaac attttggaan 240
tgcgaggatt tttgtcaagc ggattgntct cttcatatat taaatgttta cttnatatct 300
ttaatccgaa acattaaaat agcattgaag aggcatgatt ttcaagatta agngngctat 360
gnantaggaa tacgctttta aagaacga 388

<210> 2379
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<400> 2379
ttggtantta gctgnaacgc ctgcaggtac cggtccggaa ttcccgggtc gacccacgcg 60
tccnttcant tatttaaata aataactgnt gtgtacaaaa aaaaaaaaaa agggcggccg 120
ctctagagga tccaagctta cgtacgcgtg catgcgacgt catagctctt ctatagtgtc 180
acctaaattc aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt 240
tacccaactt aatcgccttg cagcacatnc ccctttcgcc agctggcgta atagcgaaga 300
ggcccgnacc gatcgccctt cccaacagtt gcgcagcctg aatggcgaat gggacgcgcc 360
ctgtagcggn gcattaagcg cggnggntgt ggngg 395

<210> 2380
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 2380
atnatgnaaa acttcgtcac tattttgnca gatggtaccc ctgcnggtac cggtccggaa 60
ttcccgggtc gacccantcg tccgcttttt ctagatcgcg agcggccgct ctagagganc 120
caagcttacg tacgcgtgca tgcgacgnca tagctcttct atagtgtcac ctaaattcaa 180
ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcgtta cccaacttaa 240
tngccttgca gnacatcccc ctttcgncag ctggcgtaat agcgaagagg cccgcaccga 300
tcgccctttc caacagttgc gcagcctgaa tggcgaatgg gacgcgccct gtagcggcgc 360
attaagcgcg gcggntgtgg nggttacgcg cagcgtgacc gttacacttg ccagaantnc 420
nag 423

<210> 2381
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<400> 2381
aaaaaaaaaa aaangaaaaa annaagggcg gccgctcnag aggatccaag ctnacgtacg 60
cgtgcatgcg acgtcatagc tcttctatag ggtcacctaa atncaattca ctggccgtcg 120
ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaggggg ncgggcagca 180
cancccccnt tcgccagctg gcggaagagc gaagaggngc cgcaccgatc gccctngcca 240
acagttgcgc agcctgaa 258

<210> 2382
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<400> 2382
gaaaaantaa aaaaaaaaag ggcggccgct ctanaggatc caagcttacg tacgcntgca 60
tgcnacgtca tagctcttct atagngtcac ctaaattcaa ttcactggcc gtcgttttac 120
aacgtcgtga ctgggaaaac cctggcgtta cccaacttaa tcgccttgca gcacatcccc 180
ctttcgccag ctggcgtaat agcnaaaagg cccgcaccga tcgcccttnc caacagttgc 240
gcagcctgaa tgggcnaatg gggacgcgcc ctgtaaccgg ggcattaagc ncggcgggtt 300
ggtngn 306

<210> 2383
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 2383
ggactagttc tanatnncga gcggncgctc tagaggatcc aagcttacgt acgcgtgcat 60
gcgacgttat agctattcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 120
acgtngngac tgggaaaacc ctggcgttac ccancttaat cgccttgcag cacatccccc 180
tttcgccagc tggtgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg 240
caaactgaat ggcgaatggg accctgccct gnaacggggc anttaagcnc ggtgggtggg 300
gnggggtncct ccaangtgan ccgttcnttg cngcgcccta cncncgntct ttngttttct 360
ncnttcttnc tcgncacgtt cgcggntttc ncgaaagctc taaatcgggg gctcccttta 420
gggttccgat ttaagggttt tacgggacct cgaccncaaa aaacttgatt agggtgatgg 480
ttcacgtagt gggcccatag nnctgatata cggtttttcg ccctttgang ttggaan 537

<210> 2384
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<400> 2384
gcccacgcgt ccggtattat attaaaatac taaaaatcct anaaaaaaaa aaaaaaaaaa 60
gggcggccgn tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc 120
tatagtgnca cctaaattca attcactggc cgtngtttta caacgtngtn actgggaaaa 180
ccctggcgtt acccaacnta atcg 204

<210> 2385
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<400> 2385
nggaaactca tataaaatga gctttcctaa attaaatcta ttttaaataa aggttattac 60
tattaaaaaa aaaatcagag aaaatcctct gtagaaaaaa tacacaaaga acatttctac 120
agaggatttt ctctgatttt attttctttg tttctgactc taataattag ttggaaactc 180
atataaaatg agctttccta aattaaatct attttaaata aaggttatta ctattaaaaa 240
aaaaaaaaaa aagggcggcc gctctagagg atccaagctt acgtacgcgt gcatgcgacg 300
tcatagctct tctatagtgt cacctaaatt caattcactg gccgtcgttt tacaacgtcg 360
tgactgggaa aaccctggcg ttacccaact taatcgcctt gcagcacatc ccccttcgc 420
cagctggccg taatagcgaa gaggcccgca ccgatcgccc ttcccaacag ttgcgcagcc 480
tgaatggcga atgggacgcg ccctntaacc ngcgcattna acnccgcggg gtngttgtgg 540
gtta 544

<210> 2386
<211> 212
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<400> 2386
gtganntaga cctcttntgc cagncngact atagggaaag ctggtacgcc tgcaggtacc 60
ggtccggaat tcccgggtcg acccacgcgt ccgcccagct gctccgctca gagccttttc 120
ctctccactt cctgttcaca caggggggggg cgggaagtgg agggaggaag ttgggggggag 180
gcgtgtaggg gggacccatt gnntgnnngg aa 212

<210> 2387
<211> 145
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<400> 2387
gacaantnct agatcgcgag cggccgctct ataggatcca agcttacgta cgcgtgcatg 60
cgacgtcata actcttctnt tgtgtcncct aaatncaatt cactggccgt cgttttacaa 120
cgtcgtgact gggaaaaccc aangn 145

<210> 2388
<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 2388
taggatncan acttacattc ccnttcatgc nanatcataa ctcttctata gtgtcaccta 60
aattcaattc actggccgtc gttttacaac gtcctgactg gganancaaa aacnnaagaa 120
attgnaaggt ccggcgg 137

<210> 2389
<211> 162
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<400> 2389
gactagttct aggancgcga gcggncgctc tagaggatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaatncaat tcactggccg tcgttntaca 120
acgtcgtgac tgggaaaacc caagggngag ctgtggatcn na 162

<210> 2390
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (154)
<223> n equals a,t,g, or c

<400> 2390
gactagttct agtatcgcga gcggccgctc tagaagatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 120
acgtcgtgac tgggaacccc aaaagngggn tnnnt 155

<210> 2391
<211> 161
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<400> 2391
aagcttacgg tacgcgtgca tgcgacgtca tagctcttct atantgtcac ctaaattcaa 60
ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac ntntnaaaga gttgtaaaag 120
aggccntgaa ttgaatttag tganatatag aagactatga t 161

<210> 2392
<211> 480
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 2392
ggagaataaa agaaattcct atttgaaatg aattcctcat ttggaggaaa aaaagcatgc 60
attctagcac aacaagatga aattatggaa tacaaaagtg gctccttccc atgtgcagtc 120
cctgtccccc cccgccagtc ctccacaccc aaactgtttc tgattggctt ttagcttttt 180
gttgtttttt ttttccttct aacacttgta tttggaggct cttctgtgat tttgagaagt 240
atactcttga gtgtttaata aagttttttt ccaaaaaaaa aaaaaaaggg cgggccgntc 300
tagaggatcc aagcttacgt acgccgtgca tgcgacgtat aactctttat agnggcacct 360
aaattcaatt cactgggccc gtcgtttaca cgncntgact gggaaaaccc tggngttacc 420
caacttaanc gccttggagn aaatcccccc tttgccaatt ggggtataac caaaaaggcc 480

<210> 2393
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 2393
atatagtgtc acctaaattc aattcactgn ccgcgnttta caacntantg actgggaaaa 60
ccctggcgtt ncccaactta atcgccttgc agcacatccc ccttt 105

<210> 2394
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<400> 2394
gccgcggntg ggccttnanc cccgngcgcc gcanacccgt cgaggacncg cacctgccgc 60
ggctggtgag ccgcacgcca ggcaccgnac ccanatacga ncactcgtac ctgggcagcg 120
cgcgggagcg ncaggcgcgg tccgagggcn ccagccncgg tggcagnctg gagacgccat 180
ccaagcggag cgcgcagatc ggcccgcgca ncgcctccta ctacgcttgg tcgncgcccg 240
gcanctacaa ggccggntcg tcgcaggacg accaggagga cgcgtgcgac gacgcgctgt 300
cgcnctacag cnagctggag ctgacccgcn gtcngtccta tcgtggccgc tctanaggat 360
ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagngncn cctaaatnca 420
attcactggc cgtcgnttta caacgtcgtg actgggaaaa ccctggggtt acccaa 476

<210> 2395
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 2395
gcngtcattg agttactagc atttatctca ttggaacttt gacgccaaca aagccaccca 60
gctgagatct gttaactcat tataggttta atttgttgtt tcctagtttt gtacaagcag 120
aatantaaca ttttaagtca cttaatgaac agttcaactt aaaagacaaa ttcagtcatt 180
gagttactag catttaaaaa aaacttttat actataaacc catgttagta taaagtgtaa 240
atgtaacaat aaaatccagc aaagtaaaaa aaananaaaa gggcggccgc tctagaggat 300
ccaagcttac gtacgcgtgc atgcgacgtc atanctcttc tatagtgtca cctaaatnca 360
attcactggc cggngnnttt acaaccgtcg tgactgggaa aaaccctggc gttacccaac 420
ttaatcgnct ttgcnngcac atccccccctt ttcggcagct ggcgtaaatn gcgaaagaag 480
gcncg 485

<210> 2396
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 2396
ccaacagtng cncagcctga atggcnaatg gcacgcgccc tgtagcggcg cattangcgc 60
ggcggntgtg gtggatacgc gcagcgtgac cgctacactt gccagcnccc tacgcccgct 120
cctttngctt tacttccctt cctttctcgc cacgttcagc cggctttccc cgncaaagct 180
tntaaatcgg ngggcttccc tttanggggt cccgatttta gnggcctttt acgg 234

<210> 2397
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2397

ttngtccgtn tntcgcgagc ggccgctcta gaggatccaa gnntacagta ctcgtgcatg 60
ctgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tngttttaca 120
acgtcgtgac tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatncccc 180
tttcgccagc tggngtaata gcgaagaggc ccgcaccgat cgcacttccc aacagttgcg 240
cagcctgaat ggcgaatggg acgcgccctg tagcggcgca ttaagngcgg cgggtgtggt 300
ggttacgcgc ancgngacng ctacacttgn cagt 334

<210> 2398
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 2398
cgtgcatgcg acgtcatagc ngnnctatan tgncacctaa attcaattca ctggccgtcg 60
ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac 120
atccccctttcgccagctgg cgtaatagcg aagaggcccg caccgatcgc ccttcccaac 180
agttgcgcag ctgaatggcg aatgggacgc gccctgtagc ggcgcaataa gcgcggcggg 240
tgtggnggta cccncaacgt gaccgtacac ttggcnagng ccctaacggc ccggttcttt 300
tngctt 306

<210> 2399
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 2399
gacgttactt ccagattanc caggacgaag aagaggagga agacnaggat taaatttcat 60
ttatctggaa aattttgtat gagttcttga ataaaacttg ggaaccaaaa aaaaaaaaaa 120
aaaanaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 180
agctcttcta tagtgncacc taaattcaat tcactggccg tcgttttaca acgtcgtgac 240
tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc tttcgccagc 300
tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg cagcctgaat 360
ggcgaatggg acgcgccctg tagcggcgca ttaagcgcgg cgggtgtggt ggttacnccg 420
cagcgtgacc cgctacactt gccagngccc taccgccccg ntccttcgct ttcttccctt 480
cctttntngc cacgttcgcc cg 502

<210> 2400
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<400> 2400
nganttacaa cgncnngact gagaaaaccc tggcggtacc caacttaatc gccttgcagc 60
acatcccccc ttcgccagct ggcgtaatag cgaagaggcc cgcaccgatc gcccttccca 120
acagttgcgc ancctgaatg gcgaatggga cgcgccctgt agcggcgcat taagcgcggc 180
gggngtggtg ggtacgcgca gcgngaccgc tacacttgca gcgcctagcg ccgctctttc 240
gcttcttcct tctttctcgc acgtcggcgg ttttcccgtn agctctaacg gggctcctta 300
aggttcgatt aaggcttacg gacctcg 327

<210> 2401
<211> 344
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<400> 2401
gtttgataga tagatccnaa cgttatctgc cactcaanat cattctnaaa actctgnatg 60
ccatggtttt caatacgttc aatgttctac actggcaaag aattnatgac cagtctctcc 120
catatcacaa catcacttat ncctgatttc acctanaaan gactcnattc tttgtctcat 180
gtctntncac cacatnatnt ccntnnngtn atccaatatg ccncatnang acnaattcct 240
tcctgtcaca atttgatacc cctccggcat actctatctt ggggaaaacg tcaganacaa 300
tcctgactcc gtctnaccnt anaccacnct cttggactct tttg 344

<210> 2402
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<400> 2402
gacacccccct tactgcccca agatacagtc gcccccgtat tcgtcccaag ggacaacctc 60
cgacgcgtct ctttggacgc caccccaagg ctgtccctgg acgcagncgt ccccagagcc 120
ccggaaccca ccagtgccct ggacggnggt cccagcaact ttggagctgg ccgcagtgta 180
ccagggtctc tctgtgtctc cagagccctg tctgtcgctg ggagctccat ctctcctgcc 240
ccacncatna tgccagagac tgcagcctca gacccnnggg angtgctgga gccacagtgc 300

agaggtggtg cccaactcag aggaccaggg accgggcgcc gccttccagc tcagtgaanc 360
aagccctacc cagagctcan gcctgcagtt cagtggctgt cctgaacttt ggcaagaana 420
tctggagggg gcncnactgg gcat 444

<210> 2403
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<400> 2403
ttttggctgg ctggccccaa ggaagaggan atggatntgg acatacctgc tgtgaaagtg 60
aaagaggagc cacgagatga ggaggaagag gccaagatga aggctcctcc caaagcagcc 120
aggaagactc caggcctccc gaaggatgta tctgtggcag agctgctgag ggagctgagc 180
ctcaccaagg aagaggaact gctgtttctg cagctgccag acaccctccc tggccagcca 240
cccacccagg acatcaagcc tatcaagaca gaggtgcagg gcgaggacgg acaggtggtg 300
ctcatcaagc aggagaaaga ccgagaagcc aaattggcag agaatgcttg taccctggct 360

gacctgacag agggtcaggt tggcaagcta ctcatccgca agtctggaag ggtgcaactc 420
cttttgggca aggtgactct ggacgttgac catgggaact gcctgctcct tnctgnagga 480
gctggtgtcc gtgggccttg nagacagtnt gacatntgag at 522

<210> 2404
<211> 168
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<400> 2404
ggatcgctgc agcgagggtc tggcggctaa accgtggttt gagccaggct gccctcctgc 60
tgctgcggca gcctggggct cggggactgg ctagatctgt gagtacctgg gccccaggcg 120
gttttcccaa aggggattan ggatgtaaag gctatcttca nantgngn 168

<210> 2405
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<400> 2405
gggcctgcag agcaacatgc ccaagtttta ttgtgactac tgcgatacat acctcaccca 60
tgactctcca tctgtgagaa agacacactg cagtggaagg aaacacaaag agaatgtgaa 120
agactattac ctcctactcc attctctgct cctcctcctg caggggcgat gataccacct 180
ccccccagcc ttccgggtcc tcctcgccct ggtatgatgc cagcacccca tatgggggc 240
cctcccatga tgccaatgat gggccctcct cctcctggga tgatgccagt gggacctgct 300
cctggaatga ggccgccatg ggaggccata tgccaatgat gcctgggccc ccaatgatga 360
gacctcctgc ccgtcccatg atggtgccca ctcggccgga atgactcgac cagacagata 420
aggatagagg ggaggcctta ttggatcggn ttatattacc tgnctgntta ccaggagatc 480
atgctgctgg gatactgagt tttntaaaca gcntanggaa nacttggtcc ccttgtccta 540
tgaaaagaga atagttttgg aggggaanaa atgg 574

<210> 2406
<211> 483
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 2406
ggctcccagg ggcgttggga acggttgtag gacgtggctc tttattcgtg agttttccat 60
ttacctccgc tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc 120
ggccttgagc gctgagcaag caaaggtggt cctcgcggag gtgatccagg cgttctccgc 180
cccggagaat gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtgt 240
ccttaagttt gctcgcttgg tcaagtccta cgaagcccag gatcctgaga tcgccagcct 300
gtcaggcaag ctgaaggcgc tgtttctgcc gcccatgacc ctgccacccc atgggcctgc 360
tgctggtggc agcgtggccg cctcctgaga gttggccctc ccttgtgcca ctgccagggg 420
aggaaaggcc ttgatgttcc agacaataat naatgcncct gtgacttana aaaaaaaaaa 480
aan 483

<210> 2407
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 2407
cccacgcgtc cgggcagaca tcaatacaaa atgggcagcc acacgatggg ccaagaagat 60
tgaagccaga gaaaggaaag ccaagatgac agattttgat cgttttaaag ttatgaaggc 120
aaagaaaatg aggaacagaa taatcaagaa tgaagttaag aagcttcaaa aggcagctct 180
cctgaaagct tctcccaaaa aagcacctgg tactaagggt actgctgctg ctgctgctgc 240
tgctgctgct gctgctgcta aagttccagc aaaaaagatc accgccgcna attaaaaagc 300
tcccacccaa aaggttcctg cccanaaagc cacaggccan aaagcacgcc tgctccaaaa 360
ctcanaaagg tcaaaaactc cacccagaaa cactctccaa agctctggca aaaaacatat 420
tgcatcataa aattataagt cttttgactg ttanaatgta aaaaaaaaaa ggggcctcta 480
aagacanntc ttccttntca ntc 503

<210> 2408
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (593)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<400> 2408
aacgccncaa taagctcgct tggngcccca ggtaccggtn cggaattccc gggtcgaccc 60
acgcgtccgc tcatggaaaa ggagttccct ggatttttgg aaaatcaaaa agaccctctg 120
gctgtggaca aaataatgaa ggacctggac cagtgtagag atggcaaagt gggcttccag 180
agcttctttt ccctaattgc gggcctcacc attgcatgca atgactattt tgtagtacac 240
atgaagcaga agggaaagaa gtaggcagaa atgagcagtt cgctcctccc tgataagagt 300
tgtcccaaag ggtcgcttaa ggaatctgcc ccacagnttn ccccatanaa agganttang 360
gaccnnaanc aggacacttn agcaaatgta aaaataaaat ctaactctca tttgacaagc 420
agagaaagaa aagttaaata ccagataagc ttttgatttt tgnattggtt gcatcccctt 480
gccctcaata aataaagttc ttttttagtt ccaaaaaana aaaaaaaggg cggccgctct 540
aaaggatcca agcttacgta cgcgtgcatg cgacgtnata gctnttctat agngncacct 600
aaattcaatt cactggccgg nggtttacaa cg 632

<210> 2409
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<400> 2409
ncactatagg gnnaggtgga acgcccgcag gtaccggtcc ggaattcccg ggtcgaccca 60
cgctttcgag cgcntttccc ctgntgacat cgacactcat acagngaaag tatgaccctt 120
ccctgaagcc cctgncngnt tcctatgatc aagcaacttc cctgaggatc ctcaacaatg 180
gtcatgcttt caacgnggag ttggatgact ctnaggacaa agcagtgctc aagggaggac 240
ccctggatgg cactaacaga tggattaagc ttcactttaa ctggggttna cttnatggac 300
aaaggntnaa aacatactng 320

<210> 2410
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<400> 2410
gagctcccgc ctggcctttc caaaggccac agaggaggna aaagcatcta agcctcacca 60
tgaatggccc agtggnaccc antttgcccg gacaggggac cccaatagca angctctgcc 120
tccttggccc caattcaacc aggcggaaac aatttctgga aatcaaccca ntgccanggg 180
ccggacaaaa tttcagggag gcctggatgc tattctggtc aaaaaccctc cccaacaaaa 240
tacaacntgg ccccanancc aaaaaaaccg gaagggccct ggagggactn ctgaaggcag 300
gcctaaanct ttcttggggt tggggcaaac caa 333

<210> 2411
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (607)
<223> n equals a,t,g, or c

<400> 2411
gggcttcaac gacgagctgg aagccttcaa ggagcgtgtg cggggccgtg ccaagctgcg 60
catcgagaag gccatgaagg agtacgagga ggaggagcgc aagaagcggc tcggccccgg 120
cggcctggac cccgtcgagg tctacgaatc cctccctgag gaactccaga agtgcttcga 180
tgtgaaggac gtgcagatgc tgcaggacgc catcagcaag atggacccca ccgacgcaaa 240
gtaccacatg cagcgctgca ttgactctgg cctctgggtc cccaactcta aggccaagcg 300
aaggccaagg agggagagga ggcaggtcct ggggacccat tactggaagc tgttcccaag 360
acgggcgatg agaaggatgt caagtgtgtg acctgcccca gctaccaccg tcacctgctt 420
ccaggcccct atgtgcccct tttcagaaaa cagatagatg ccatctcgcc cgctcctgac 480
ttctctactt gcgctgctcg gcccagcctg gggggcccgc cagcctcctg gcttttcact 540
gtttcactct cagcgccatt aagtctctgc tttagtcaag gggcttcact gctgaagccc 600
catacantat gcaaggccgg gtccgggagg cagagtacca gctgtctaca gt 652

<210> 2412
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 2412
aggctttatc atcgacgata gcgtacttta tagcggtgcc agcctgaacg atgtttacct 60
gcatcagcac gataaatatc gctacgaccg ttatcatctg atccgtaacc gtaagatgtc 120
agacattatg tttgaatggg ttacacagaa tattatgaat ggccgcggcg ttaatcgtct 180
ggatgatgtt aatcggccaa aaagcccgga aatcaagaac gatattcgtc tgttccgcca 240
ggagctgcgt gatgccgctt atcatttcca gggcgatgcc gacaacgatc agctttctgt 300
aacgccgcta gtggggctgg ggaaatcgag tctgttgaac aagaccattt tccatcttat 360
gccttgtgcc gagcagaaac taaccatctg tacgccatac ttcaacctgc cagcaatcct 420
tgtgcgcaat attatccagt tgctgcgcga agggaaaaag gtcgaaatta ttgttggtga 480
taaaaccgng aatgacttct acattccgga agatgaacct ttcaagataa tt 532

<210> 2413
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 2413
ggcacgagct cgtncgtttg gnaggggtt gtnccctcct tcgatgcatt ccagccttgg 60
actcattgac tccagctaat gaagatcaaa aaattggtat agaaattatt aaaagaacac 120
tcaaaattcc agcaatgacc attgctaaga atgcaggtgt tgaaggatct ttgatagttg 180
agaaaattat gcaaagttcc tcagaagttg gttatgatgc tatggctgga gattttgtga 240
aatatggtgg aaaaagggaa tcattgaccc aacaaaggtt gtgaaganct gctttatttg 300
ggtgctgctg gtgtgggccc ctctgtttaa cctacagcag aagtttgtag gtccccagna 360
attcccaaag aaggagaagg ncccctggaa tgggtgcaat gggtnggaat tgggaggttn 420
gtatttggga ggtggcatnt tcct 444

<210> 2414
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<400> 2414
tnggcgtnac ttttccggtg ccacagtcct angactcnct cctcagagcc gtgggaccgt 60
gccctcagca gcttggcacc cagactacan ctgaacgtga atcacaagcc agcaacacca 120
aggtgacaag agattngccc aaatcttgtg acaaaactac acatgcccac cgnnccagac 180
ctgaactcct ggggggaccg cagcttctct tccnccaaaa cccaagacac gctatgatct 240
cccgnccccc gagncacatg cgtggtggtg acngtagcca cgaagaccct gaggcaagtc 300
aactggacgt ggacngcn 318

<210> 2415
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<400> 2415
nncgccgggt ttccccgggg aaaaattttc ccccgggggg ggttcccgga acccccaaa 60
ccggccggtt ctccggggcn cccgggggggg gaaaaagggg gccttcntta aggaaaaaaa 120
aagggggggg cccngcccaa tttgggccgn aatccccaaa accccaattc cggggccaag 180
gccccggaat ttccccgtgg gttcttttgg gaatccaacc gggggggtgg ggggaaaggg 240
gggaaacccc gtcgggccgg tcnccttgcc gtgggngggc cccattgggg ggtggaagaa 300
ccacctccaa gttactggag acctanagtc cagaatgctt gtagtgagcc aagtcagtgt 360
tctaagtatt tatttaaaac aaaagaatcn ccgttaaaan acatnn 406

<210> 2416
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (624)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<400> 2416
ggagttcagc tatgaactct ccaaagtgga agggaaaaca gggacccctg agaagcccct 60
ctcagacctt ggcctcctat cctatcgaag ctactggtcc cagaccatcc tggagatcct 120
gatggggctg aagtcggaga gcggggagag gccacagatc accatcaatg agattagtga 180
aatcaccagc atcaagaagg aggatgtcat ctccactctg cagtacctca atctcatcaa 240
ctactacaag ggccagtaca tcctcacact gtcagaggac atcgtggatg gccatgagcg 300
ggccatgctc aagcggcttc tgcggatccg acttcaagtg tctgccttna ttcccaggga 360
ctggaanaag aaggggggaa ntggtgacca gacactggcc actggaattg cccaagacgg 420

gnagcaggga cttgggggct tgaatagccc aatncnggcn cccanttgga agnttcccac 480
aaaagcaact tttaagggga aaatggggct tgagggacaa gttcaaaaaa gggataggac 540
cagggccttg gcagggggcc ccactgggtg gcccaacacc nangcnaagc ttccgggctt 600
aagaccaact ttcaaaggtc aagntgggcc caaggcccaa ggcttcnt 648

<210> 2417
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<400> 2417
ggctacacta gagcagagta cgagtctgag gcggagggag taatggcagg acaagcgttt 60
agaaagtttc ttccactctt tgaccgagta ttggttgaaa ggagtgctgc tgaaactgta 120
accaaaggag gcattatgct tccagaaaaa tctcaaggaa aagtattgca agcaacagta 180
gtcgctgttg gatcgggttc taaaggaaag ggtggagaga ttcaaccagt tagcgtgaaa 240
gttggagata aagttcttct cccagaatat ggaggcccaa agtagttcta gatgacaagg 300
attatttcct atttanagat ggtgacattc ttggaaagta cgtagactga aataagtcac 360
tattgaaatg gcatcaacat gatgctgccc attccactga agttctgaaa tctttcgtca 420
tgtaaataat ttccatattt ctcttttata ataaactaat gataactaat gaaaaaanan 480
n 481

<210> 2418
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<400> 2418
ggttcggtat cgcccgtgcc ggtagcgccg ctgccaccgn tcaccatggg cccgggtcct 60
cggctgctgc tacctctcgt gctttgcgtg gggctcggcg cacttgtgtt ttcttcgggg 120
gccgagggct tccgcaagcg aggcccctcg gtgacggcca aggtcttctt tgatgtgagg 180
attggagaca aagatgttgg cagaattgtg attggcctct ttggaaaagt tgtgcccaag 240
acagtggaaa attttgttgc tctagcaaca ggagagaaag gatatggata taaaggaagc 300
aagttttcat cgtgtcatca aggatttcat gattnt 336

<210> 2419
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<400> 2419
gatatcatat agtaaaaccc agcccatgac ccctaacagg ggccctctca gccctcctaa 60
tgacctccgg cctaaccatg tgattncact tccactccat aacantcctc anannangcc 120
tactaaccaa nacactaanc atataccaat gatggcgcga tgtatcacga gaaagcacat 180
accaaggcca ccacacacca cctgtccaaa aaggcctncg atacgggata atcntattta 240
tnaccncana agtttttttc ttcncaggat ttttctganc cttttaccac tcnancctag 300
cccctacccc ccaattanga aggcactngn ccccaanatg catcaccccg ctaaatcccc 360
tagaatccca ctcctaaaca catccgtatt actcgcatca ngaatatcan 410

<210> 2420
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 2420
gcatgcctat catatagtaa aacccagccc atgaccccta acaggagccc tctcagccct 60
cctaatgacc tccggcctan ccatgtgatt tcacttccac tccataacgc tcctcatact 120
aggcctacta accaacacac taaccatata ccaatgatgg cgcgatgtnn cacgagaaag 180
cacataccaa ggccaccaca caccacctgt ccaaaaaggc cttcgatacg ggataatcct 240
atttattacc tcanaaattt ttttcttcgc aggatttttc tgancctttt accactccag 300
cctagccccc acccccccaat taggaaggca ctggccccca ncaagcatca ccccgctgaa 360
tcccctaaaa tccactccta aacacatccg tatttatcac atcaagaatn tcaatcanct 420
gaactcacca taatctatta gaaacaccna aancaatnat nccagcangg ttattacatt 480
ttatggtctc tatttacctc ctaaaactca aatattcaat ctccttcaca tttcca 536

<210> 2421
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<400> 2421
caaaagggaa caaaaggnnn agctccaccg cggtggcggt tgctctaaaa ctantggatc 60
ccccgggctg caggaatncg gcacgaaatt tattacctca naagtttttt tcttcgcagg 120
atttttctga gccttttacc actccagcct agcccctacc ccccaattag gagggcactg 180
gcccccaaca ggcatcaccc cgctaaatcc cctaaaagtc ccactcctaa acacatccgt 240
attactcgca tcaggagtat caatcacctg agctcaccat agtctaatan aaaacaaccg 300
aaaccaaata attcaagcac tgcttattac aattttactg ggtctctatt ttaccctcct 360
acaagcctca nagtacttcg agtctccctt caccatttcc gacggcatct acggctcaac 420
atttttgta gccacaggct tccacggact tcacgtcatt attggctcaa ctttcctcac 480
tatctgcttc atccgccaac taatatttca ctttacatcc aaacatcact ttggcttcna 540
aaccgccgcc tgatactggc attttgtaaa tgtggtttga ntatttctgt atgtctccat 600
ctatggatga agg 613

<210> 2422
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<400> 2422
gatgacccct aacaggagcc ctctcagccc tcctaatgac ctccggccta gccatgtgat 60
ttcacttcca ctccataacg ctcctcatac taggcctact aaccaacaca ctaaccatat 120
accaatgatg gcgcgatgta acacgagaaa gcacatacca aggccaccac acaccacctg 180
tccaaaaagg ccttcgatac gggataatcc tatttattac ctcagaagtt tttttcttcg 240
caggattttt ctgagccttt taccactcca gcctagcccc tacccccaa ttaggaaggc 300
actggccccc aacangnatc accccgctta atcccctana atttccactt cctaaacaca 360
tccgttttna tcgcatccgg gattttnctt c 391

<210> 2423
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 2423
gcgaccgttg actattctct acaaaccaca aagacattgg gaacactata cctattattc 60
ggcgcatgag ctggaatcct angcacagct ctaagcctcc ttattcgagc cgagctgggc 120

cagccangca accttctang taacgaacac atctacaacg ttatcgtcac agccatgcat 180
ttgttataat cttcttcata gtaataccat cataatcgga agntttggna actgactagt 240
cccctnataa tcggtgcccg atatggggtt tccccgcata aacaaataac tctgaatctt 300
actcctctct cctaatcctg gtcgatctgc tntntggagg cngacaggaa naggtgaaca 360
tctacncctt acaggaatat ccacctgaac ncgtaactac tctctcttnc taaaggtttc 420
nctttgggc tcattctcca cattcttaac ccgctacat 459

<210> 2424
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (642)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (695)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (712)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (723)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (726)
<223> n equals a,t,g, or c

<400> 2424
gcgctacttc ccctatcata gaagagctta tcacctttca tgatcacgcc ctcataatca 60
ttttccttat ctgcttccta gtcctgtatg ccctttttcct aacactcaca acaaaactaa 120
ctaatactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgcca 180
tcatcctagt cctcatcgcc ctcccatccc tacgcatcct ttacataaca gacgaggtca 240
acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300
ccgactacgg cggactaatc ttcaactcct acatacttcc cccattattc ctagaaccag 360
gcgacctgcg actccttgac gttgacaatc gagtagtact cccgattgaa gcccccattc 420
gtataataat tacatcacaa gacgtcttgc actcatgagc tgtcccacat taggcttaaa 480
aacagatgca attcccggac gtctaaacca aaccactttc accgctacac gaacgggggg 540
tatntacngt caatgctctg aaatctgntg gancaaacca cantttcatg cccatcgtcc 600
taagaattaa ttcccctaaa aatctttgaa attagggccg tntttaccta tagcacccct 660
ctacccctct tgaaccaaaa aaaaaaanaa atccnagggg gggccggccc cnttcccccc 720
atntgntttt ttaaattccc ggggcgc 747

<210> 2425
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2425
gcgctacttc ccctatcata gaagagctta tcacctttca tgatcacgcc ctcataatca 60
ttttccttat ctgcttccta gtcctgtatg ccctttttcct aacactcaca acaaaactaa 120
ctaatactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgcca 180
tcatcctagt cctcatcgcc ctcccatccc tacgcatcct ttacataaca gacgaggtca 240
acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300
ccgactacgg gggactaatc ttcaactcct acatacttcc cccattattc ctagaacagg 360
cgacctgcga ctccttgacg ttgacaatcg aattantact cccgattgaa gcccccattc 420
gtataataat tacatcacca agaagtcttg gcctccatta aacttttcc cccacattta 480
gggctttaaa aaanaaaaat gcnattnccc cggnaacttt cttaaanccc aaacc 535

<210> 2426
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<400> 2426
ctcagacgct caggaaatag aaaccgtctg aactatcctg cccgccatca tcctagtcct 60
catcgccctc ccatccctac gcatccttta cataacagac gaggtcaacg atccctccct 120
taccatcaaa tcaattggcc accaatggta ctgaacctac gagtacaccg actacggcgg 180
actaatcttc aactcctaca tacttccccc attattccta gaaccaggcg acctgcgact 240
ccttgacgtt gacaatcgag cagtactccc gattgaagcc cccattcgta taataattac 300
atcacaagac gtcttgcact catgagctgt ccccacatta ggcttaaaaa cagatgcaat 360
tcccggacgt ctaaaccaaa ccactttcac cgctacacga ccgggggtat actacggtca 420
atgctctgaa atctgtggag caaaccacag tttcatgccc atcgtcctag aattaattcc 480
cctaaaaatc tttgaaatag ggnccgtatt taccctatag cancccctct aacccctcta 540
gagccaaaaa aaaaannnaa aaa 563

<210> 2427
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<400> 2427
nagaancatg gatccccngg ctgcagantc ggcanagtaa cagacgaggt caacgatccc 60
tcccttacca tcaaatcaat tggccaccaa tggtactgaa cctacgagta caccgactac 120
ggcggactaa tcttcaactc ctacatactt cccccattat tcctagaacc aggcgacctg 180
cgactccttg acgttgacaa tcgagtagta ctcccgattg aagcccccat tcgtataata 240
attacatcac aagacgtctt gcactcatga gctgtcccca cattaggctt aaaaacagat 300
gcaattcccg ggacgtctaa accaaaccac tttcaccggt acacgaccgg ggggtatact 360
acgggtcaat gctctggaaa tctggtggga gcaaaccaca gtttcatggc ccatcgtcct 420
agaattaatt ncccctaaaa atctttggaa taggggnccg tatttaccct atagnaaccc 480
ctctancccc tctaggngcc aaaaaaaaaa aaaaaactgg gggggggccg ggaanc 536

<210> 2428
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<400> 2428
cgttatcatt tatgtgcctt ttatagtgtg aacacatcac caccctgaat ataattttag 60
tgtttagaga taaatattat ttgcaacaat attcatctca tctcaagaaa cgctcctata 120
gggtatggag aatttaaagg acctgtaggt tatgatgatt ataacgaaat aaccaaagca 180
ggatttcaat gaccagccca caaaagtatc ctgtgtacta ctggttggga ggtggagggg 240
ggttgttctt aagtaagaac ccctaacatg taactctgtg gtttttatgt ttcattaact 300
atttaatcta ccaatatgga actaggttca ntaagaagaa ngacagcnta gatccttaca 360
tatacacacc ctttggaact ggacccaaaa ctgcattggc atgaggtttt gctctcatga 420
acntgaaact tgntctaatc agaggccttt canaacntct cctttnaacc ttg 473

<210> 2429
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<400> 2429
gcacctgtgg aanttgatcg aaggcggtgc ccacatctac gtctgtgggg atgcacggaa 60
catggccagg gatgtgcaga acaccttcta cgacatcgtg gctgagctcg gggccatgga 120
gcacgcgcag gcggtggact acatcaagaa actgatgacc aagggccgct actccctgga 180
cgtgtggagc taggggcctg cctgccccac ccaccccaca gactccggcc tgtaatcagc 240
tctcctggct ccctcccgta gtctcctggg tgtgtttggc ttggccttgg catgggcgca 300
ggcccagtga caaan 315

<210> 2430
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 2430
tttncctcca gagcttcatg acngagccaa anngccatac acagaggcag tcatctatga 60
gattcagaga ttttccgacc ttctccccat gggtgtgccc cacattgtca cccaacacac 120
cagcttccga gggtacatca tccccaagga cacagaagta tttctcatcc tgagcactgc 180
tctccatgac ccacactact ttgaaaaacc agacgccttc aatcctgacc actttctgga 240
tgccaatggg gcactgaaaa agactgaagc ttttatcccc ttctccttag ggaagcggat 300
ttgtcttggn gaaggcatcg cccgtgcgga anttgntcct ctcttcacca ccatccttca 360
gaacttctnc atggncagcc ccgtggnccc agaagacatc natctgacac cccnagaang 420
tggtgtgggg caaaaaaacc ccccaacata ccagaacccg nnttcctggc cccgctgaaa 480
gggcttangg gaaaggggg caaaaggaat tccagggnca atncaa 526

<210> 2431
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<400> 2431
gcttctccgc tccttctagg atctccgcct ggttcggccc gcctgcctcc actcctgcct 60
ctaccatgtc catcagggtg acccagaagt cctacaaggt gtccacctct ggcccccggg 120
ccttcagcag ccgctcctac acgagtgggc ccggttcccg catcagctcc tcgagcttct 180
cccgagtggg caagcagcaa ctttcgcggt ggcctgggcg ggcggctatg gtggggccag 240
cggcatggga ggcatcaccg gagttacggt aaccagagct gctgagcccc cttgtcctgg 300
aagtggaccc caacatcagg ccgtgcgcac ccaggagaag gagcagaatc aangaccctt 360
aacacaagtt ngcctcctta taaacaaggg aacggttctt ggaccanaat acaagatgct 420
tggagaccaa gtggaagcct cctgcagnac aagaagacgg ntcgaagcaa catggccaac 480
atgttcgaan agctacntta acaacttagg ngg 513

<210> 2432
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (633)
<223> n equals a,t,g, or c

<400> 2432
gcgatcttgg ggagccacac agcccgggtc gcaggcacct ccccgccagc tctcccgctt 60
ctcgcacagc ttcccgacgc gtctgctgag ccccatggcc cacgccacgc tctccgccgc 120
ccccagcaat ccccggctcc tgcgggtggc gctgctgctc ctgctcctgg tggccgccag 180
ccggcgcgca gcaggagcgt ccgtggtcac tgaactgcgc tgccagtgct tgcagacact 240
gcagggaatt cacctcaaga acatccaaag tgtgaatgta aggtcccccg gaccccactg 300
cgcccaaacc gaagtcatag ccacactcaa gaatgggaag aaagcttgtc tcaaccccgc 360
atcccccatg gttcagaaaa tcatcgaaaa gatactgaac aaggggagca ccaactgaca 420
ggagagaagt aagaagctta tcagcgtatc attgacactt cctgcanggt ggtccctgcc 480
cttaccagag ctgaaaatga aaaagagaac agcagctttt ctagggacag ctggaaaagg 540
acttaatgtg tntgactatt tcttacgang gttctactta attatgnatt tatttttgaa 600
aagcttggat tttaatattt tacaatgctg gnnatttaaa g 641

<210> 2433
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (313)
<223> n equals a,t,g, or c

<400> 2433
aggaactttc cggaatgaca attctgctga gatgtgccgg aagtgcagca cagggtgccc 60
cagaaggatg gtcaaggtca aggattgtac gccctggagt gacatcgagt gtgtccacaa 120
agaatcaggc aatggacata atatatgggt gatttttgtt gtgactttgg ttgttccgtt 180
gctgttngtg gctgtgctga ttgtctggtg ttgcatcggc tcangttgtt gaagggaccc 240
caagtgcatg gacanggtgt gtttctggcg cttgggtctc ctangaaggn ctggggctga 300
agacaatgct canaacg 317

<210> 2434
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<400> 2434
gctttattcc catcctggtt tccaactata acccaaagga atttgaaagt tgtattcagt 60
attatttgga aaacaattgg cttcaacatg agaaagctcc tacagaagaa gggaaaaaag 120
agctgctgtt cctaagtaac gcgaacccct cgctgctgga gcggcactgt gcctacctct 180
aagccaagat cacagcatgt gaggaagaca gtggacatct gctttatgct ggacccagta 240
agatgaggaa gtcgggcagt acacaggaag aggagccagg cccttgtacc tatgggattg 300
gacaggactg cagttggctc tggacctgca ttaaaatggg tttcactgtg aatgcntgac 360
aataanatat tcccttgncc taaaacttta tatcanntta ttggatg 407

<210> 2435

<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<400> 2435
gtcnccgtcc ccggtccgga atncccgggt cgacccacgc gtccgatcca ccanttatct 60
ttnaaaagcc tgccaagacc agcaaanggc cgggttcgtt tnaggaagaa ctccttancc 120
naaccgaaac tgttgtgact gaatatctaa atagtggaaa tgcaaatgag gctgtcaatg 180
gtgtaagaga aatgagggct cctaaacact ttcttcctga gatgttaagc aaagtaatca 240
tcctgtcact agatanaanc gangaagata aanaaaaagc aagttctttg atcagnttac 300
tcaaacagga aggga 315

<210> 2436
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 2436
ggcgctcttt aatantggat cccccnggct gcatgaattc cgctcnanga ncactctttt 60
tattgtactc gtgaataatg atgaaggaga atggaatggc ccaccacctn aatgcaaaag 120
gaaaaatctc taacttccaa aggtcccacc agcagttcag aaaacctacc aacagtnaat 180
gttccaacta cagaangtct cnccnacttc tcagaaagcc ancaca 226

<210> 2437
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<400> 2437
aagtatcagg tcctgcctct gaatgtgctc ccttcccttc cagatcaaga tcacccacaa 60
gaaccagatg cccatgctca tgggcccacc cccccgctcc accaatttct ttggcttctt 120
gagctaaggg ggacacccct ggcctccaag ccagccttga acccacctcc ctgtccctgg 180
actctactcc cgaggctctg tacattgctg ccacatactc ctgccagctt gggggagtgt 240
tccttcaccc tcacagtatt tattatcctg caccaccttc actgttcccc atgcgcanac 300
acatacanac accccaaaac acntacattg gaaagtggct tcattgaata aaaggantgt 360
gtttnccttt ggggatctgc taagtaaggg gtaaattcnt tnttttaaaa cttcaatcct 420
taangaagta nattctccca gaagcaaaga aaaattc 457

<210> 2438

<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2438
gggtggcgat ggcactgtgg gctgggtgct tggcgccctg gaggagacac ggtaccgact 60
ggcctgcccg gagccttctg tggccatcct gcccctgggc acagggaatg accttggtcg 120
agtcctccgc tgggggggcgg gctacagcgg cgaggacccg ttctccgtac tgctgtctgt 180
ggacgaggcc gacgccgtgc tcatggaccg ctggaccatc ctgctggatg cccacgaggc 240
tggcagtgca gagaacgaca cggcanacgc agagcccccc aagatcgtgc agatgagtaa 300
ctacttgtgg cattggcatc naccnggact gancctggac ttcaccaagc accgnaanga 360
ggaacctgc 369

<210> 2439
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<400> 2439
ccngatggct gaagagggtg ngccggcgcc cctgcctcca gaggacgccc ctaacgccgc 60
atccctggcg ccnacccctg ngtcccccgn cctcgagccc tttaatctga cttcggagcc 120
ctcggacnac gcnctggacc tcagcacttt cctccagcaa nacccggacg ccttcnaacn 180
gggacncccc gaactcccca aaaagaaacc gaaaaaccca caaagaaaac accaaggcng 240
tacccggggg c 251

<210> 2440
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<400> 2440
gtggatgcac acctctgttc ataccaaagc tggctggcag tcactgctct ggagctaaag 60
gtggaaagaa gtctgatcag tcaaactgta gcctggaacc attactacag cagctttcaa 120
caagctacaa aacaatgcca gatgtgtgcc aagcttctaa tctgcttcct gcattgaggt 180
ctttaaactg ttgtctacct tccagcttat agaaatctcc cacttatttg gaaaaaaaaa 240
atgtcttgtg gcaagcaaca aaaattggga ctccctgctc caaaaaacat gttgggatgg 300
ggnaattttt ctttaacagg gttgaacccn attgaaaaaa ccancccccc ngtttaattt 360
naagaaa 367

<210> 2441
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 2441
ggcagannaa agatggagat gagtttaata attcaattng ccagttattt cttgctttca 60
atatgctgat ggacaggcct ctggaggaag ccgtcaagat caanggggca nctttgaagt 120
accttcctag cataattaat gatgtcaaac ttgtatttga tcctgttgag ctcagngtgc 180
tcttctgcaa attcattnaa agcattcctg acaaccagnt ggttcngcan aaacttaact 240
gcatgaccaa gatagtagag agcactcttt ttcnacagtc agagtgcana gaagtgctgc 300
tgccactgct gacggaccan ct 322

<210> 2442
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<400> 2442
ggttgcggtc aagatggcgc tggtggcttc tgtgcgagtc ccggcgcgcg ttctgctccg 60
cgcgggggcc cggctcccgg gcgcggccct cgggcggacg gagcgggcgg ccggcggcgg 120
agacggcgcg cggcgcttcg ggagccagcg ggtgctggtg gagccggacg cgggcgcagg 180
ggtcgctgtg atgaaattca agaacccccc agtgaacagc ctgagcctgg agtttctgac 240
ggagctggtc atcagcctga gaagctggag aatgacaaga gcttccgcgg tgtnattctg 300
acctcggacc gccgggtgtn ntctcggncg gctggacctg acgganatgt gtgggaagaa 360
ccccg 365

<210> 2443
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<400> 2443
ggacacccca gcaaaagtac cagcgcctac tgcatgaggt ccaagagctg acaactgaag 60
ttgaaaaaat caagacgaca gtgaaggagt cagccacaga ggagaagctg acccctgtgt 120
tgctggctaa acagctggca gccctgaagc agcagctggt tgcttcccac ctggagaagc 180
tgctgggacc agatgctgca atcaacctta ccgaccccga tggcgccctg gctaagcgcc 240
tactactgca gctggaagca acaaagaaca gcaaaggggg atcaggggga aaaaccactg 300
ggaccccccc agatagcagc cttgtcactt atgaactaca ttctcggcct gagcaggaca 360
aagttctctc aaagctgnca aaagtccaga acttgaaaag cgcctgacag aactggagac 420
agctgtcgtt gtgatcagga tgctcagaat ccctttctgc aggtctacag ggagcctgtc 480
tcatggagac tgtaaactgt tgcaagcaaa ngtgaacgcc ttaaacttgc agttttggat 540
caantggang gttnggttcn 560

<210> 2444
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 2444
ccctcactaa nggaacaaag nctggtgctc caccgcggtg gcgnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agggaaaact agcttaaatc tctcactcaa 120
cctgattttt gaattgcctt ctcttttttat ggtggagggc aagcaattca gatctctgga 180
ttatgaattt tgtgaaaccc atgatagtac tattacttga agcctgtgtt gaagatatga 240
gttaatcttt aatgtgcttt gtgatatgta tttatttagt ctcaaactac caccaagtat 300
cattgtaggc ttgtttgcac tggattttta gcttactctc attatacaga gttattggat 360
gtatttgtat ttgaagctat atttgtagtt atagcaagtg tactgcttat attgtagcat 420
tgtgtataaa aatctgattt agatttttgg aatgctagta tctggaaaat acccttaaag 480
tattttccag acagctgggc caagtatttc agtaattatg cttgttaact tttattattt 540
atatctcttg tgtcttag 558

<210> 2445
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 2445
gctgctgccc tccgagtcac cgatggcgca ttggtggtgg tggactgcgt gtcaggcgtg 60
tgacagtgct gcggcaggcc attgccgagc gcatcaagcc tgtgctgatg atgaacaaga 120
cgtgaacgtc atcatctcca cctacggcga gggcgagagc ggccccatgg gcaacatcat 180
gatcgatcct gtcctcggta ccgtgggctt tgggtctggc ctccacgggt gggccttcac 240
cctgaagcag tttgccgaga tgtatgtggn caagttcgnc gncaaggggg agggccantt 300
ggggcctgnc gagcgggcca agaaagta 328

<210> 2446
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<400> 2446
gctcatgttn tngatccana canagtgtgc cgacnacgcc atgaccntgg tnctaaanaa 60
agagcttgtt gctcatttag aagtgcacca tcacgggtct gaccttntgg gaccccanct 120
gtgaggcana ggacaggggt gacaagtttg tattgcgcag tgnttactcc agctgtggca 180
tgcangtgtc ancaagtatg atcagcaatg aggnggnggt caatatactg 230

<210> 2447
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<400> 2447
gcgnacgcgt gggcgcctcc tccgctgtct ccctggagtt cttgcaagtc ggccaggatg 60
tctcaggctg agtttgagaa agctgcagag gaggttaggc accttaagac caagccatcg 120
gatgaggaga tgctgttcat ctatggccac tacaaacaag caactgtggg cgacataaat 180
acagaacggc ccgggatgtt ggacttcacg ggcaaggcca agtgggatgc ctggaatgag 240
ctgaaaggga cttccaagga agatgccatg aaagcttaca tcaacaaagt agaagagcta 300

aagaaaaaat acgggatatg agagactgga tttggttact gtgccatgtg tttatcctaa 360
actgagacaa tgccttggtt ttttctaata cccgtggatg gtgggaattc gggaaaataa 420
ccaggtaaac cagctactca aggctgctca ccatacggnt ctnacagatt aggggctaaa 480
acgattactg acttttcttg agtaggtttt atctgaaatc aattaaaagt gnatttggta 540
ctttaaa 547

<210> 2448
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<400> 2448
ggcctggtgt cggtggttag tttctgcgac ttgtgttggg actgctgata ggaagatgtc 60
ttcaggaaat gctaaaattg ggcaccctgc ccccaacttc aaagccacag ctgttatgcc 120
agatggtcag tttaaagata tcagcctgtc tgactacaaa ggaaaatatg ttgtgttctt 180
cttttaccct nttganttca cctttgtgtg ccncacggag atcattgctt tcagtgatag 240
ggcanaagaa tttaagaaac tcaactgcca agtgattggt gcttctgtgg attctcactt 300
ctgtcatnta ncatgggtca atacacctaa naaacaanga ngactgggac ccatgaacat 360
t 361

<210> 2449
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (629)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (745)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (753)
<223> n equals a,t,g, or c

<400> 2449
tntagtttng cgcctgccgt accggtccgg aattcccggg tcgacccacg cgtccgtaca 60
antntggtng taaactgctt tgtgaataat aatcgtcaat gccagtgtac ttcagttggt 120
gcacaaaata ctgtcatttg ctcaaagctg gctgccaaat gtttggtgat gaaggcagaa 180
atgaatggct caaaacttgg gagaagagca aaacctgaag gggccctcca gaacaatgat 240
gggctttatg atcctgactg cgatgagagc gggctcttta aggccaagca gtgcaacggn 300
acctccatgt gctggtgtgt gaacactgct ggggtcagaa gaacagacaa ggacactgaa 360
ataacctgct ctgagcgagt gagaacctac tggatcatca ttgaactaaa acacaaagca 420
agagaaaaac cttatgatag taaaagtttg cggactgcac ttcagaagga gatcacaacg 480
cgttatcaac tggatccaaa atttatcacg agtattttgt atgagaataa tgttatcact 540
attgatctgg ttcaaaattc ttctnaaaaa aactcagaat gatgtggaca tagctgatgt 600
ggcttattat tttgaaaaag atgttaaang tgaatccttg gttcattcta agaaaatgga 660
cctgacagta aatggggaac aactggatct ggatcctggc aaactttaat ttattatgtt 720
gatgaaaaag caccttgatt ctcantgcag ggnctaaaaa gctg 764

<210> 2450
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<400> 2450
ggttttcagg aacttanttt anggtgacac gtagtagaag gtacgcctgc aggtaccggg 60
tccggaattc ccgggtacct gatctacctg aaatttaagg caacctacga tggaaatcat 120
gataccttcc gagtggagtt tctggtggtc cctgtgggag gcctctcatt tttagttaat 180
cacgatttct ctcctcttga gatcctctgg accttctcca tctacctgga gtccgtggct 240
atccttccgc agctatttat gatcagcaag actggggagg ccgagaccat caccacccac 300
tacctgttct tcctgggcct ctatcgtgct ttgtatcttg tcaactggnt ctggcgcttc 360
tactttgagg gcttctttga cctcattgct gtggtggccg gcgtagtcca gaccatccta 420
tactgtgact tcttctactt gtacatacaa aagtactcaa gggaaagaag ctcagtttgn 480
cagcata 487

<210> 2451
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 2451
cccccctcctg tggagcaggt cacactgcag gaggggggccg tggncganac cccaanagct 60
ggcccccctcc tgtggagcan gtcacactgc angacttgag tcagctcatc atccgaaact 120
gcncctcntt tgacattcac ancatccacg tgtgtctgca ccttgnagtc ttacttggct 180
ttccatctga tggtcccctg gtgtgtgccc tgnaacanga acnaangctc cgcctccctc 240
cgaaagccan ctcccccttt gcaaccccct ctccnaaaag caatggcana agaactnaat 300
ccccacgtga tggtgctccc tggcccataa ctggcccggg accggttnng ggaaccccan 360
ntttcttnga aaacccttgc ccacttcctg gttggtttca ggaaacc 407

<210> 2452
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2452
gcacgcagcc cacggtctgt actgacgcgc cctcgcttct tcctctttct cgactccatc 60
ttcgcggtag ctgggaccgc cgttcagtcg ccaatatgca gctctttgtc cgcgcccagg 120
agctacacac cttcgaggtg accggccagg aaacggtcgc ccagatcaag gctcatgtag 180
cctcactgga gggcattgcc ccggaagatc aagtcgtgct cctggcaggc gcgcccctgg 240
aggatgaggc cactctgggc cagtgcgggg tggaggccct gactaccctg gaagtagcag 300
gccgcatgct tggaggtaaa gtccatggtt ccctggcccg tgctggaaaa gtgagaggtc 360
agactcctaa ggtggccaaa caggagaaga agaagaagaa gacaggtcgg gctaagcggc 420
ggatgcagna caaccggngc tttgtcnacg ntgngccacc tttggcaaga agaa 474

<210> 2453
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (602)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<400> 2453
ggttgangac cagattacag ctgtcagaaa attcatanaa atgggtttca ttgatgaaaa 60
aagaatagcc atatggggct ggtcctatgg aggatacgtt tcatcactgg cccttgcatc 120
tggaactggt cttttcaaat gtggtatagc agtggctcca gtctccagct gggaatatta 180
ctataagaat tcaactgtga tggcaagagc agaatatttc agaaatgtan actatcttct 300
catccacgga acagcagatg ataatgtgca ctttcaaaac tcagcacaga ttgctaaagc 360
tctggttaat gcacaagtgg atttncaggc aatgtggtac tctgaccaga accacggntt 420
atccggcctg tccacnaacc acttatacac ccacatgacc cacttcctaa agcagtgttt 480
ctctttgtca gactaaaaac natgcatatg caatcctgna tcagaaatnt gaaaacctta 540
tataaancct tcagacaagt ttgcttaatt taatttttat gttngaaaaa tgctagttta 600
ancaaccaat taatggtgtt naaaggntgt 630

<210> 2454
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<400> 2454
ggcanaggnc gtngncaatg cnncaatacc ctgcagacca atgccggnta cctggagcag 60
gtgaagcgcn agnngngttg accctnagac acagttggaa agccatggaa ctnttacctg 120
gcacgnagng gnntgccggt gggaggattt ggaccgttga acatnatcca cgttaatggg 180
gacgaanggg gaaagggttc cacctttgcc tttnaaggaa ttttttcccc caaaaanttg 240
ggcttaanga c 251

<210> 2455
<211> 489
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<400> 2455
gtaaatatcc tcaataggga ataagatatg ctncccatnc cttcgggtaa aaagttttgt 60
ncaacactcc angctcantc aactcactgg tgtatgggaa ttgtcttgat gtaaggncat 120
acttcctgcc ttcnttntgg ctgcgcacaa aaccatagat tgctcttctg tnaggttttg 180
aattactgat cgcacttnat cgtnttgcat cttaatgcgt nttcttatct naaatcgctt 240
atatctggng ctggcaatng ctgattatcn atgcacatga attgnctagn gaaaaatgct 300
agaacanana acaaaaactt gcnccaccat gaaggaatac cgattccccn ccatggtaca 360
tattccaggc ccgttatctc gggctttaaa agcaaaaatt tccancccaa ataacaacag 420
ttcttggttc tccccggaag tttcaggact gaaccnccnc cgaaaanaac anttggaacc 480
tttctttgg 489

<210> 2456
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (224)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 2456
gctttcattg ccaagtcctt ctatgacctc agtgccatca gcctggatgg ggagaaagta 60
gatttcaata cgtctcgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc 120
acaaccaccc gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcctg 180
gtggtccttg ggcttccctt gcaaccaatt tgggacatca gganaactgt caaaatgagg 240
anatcctgaa cagtctcaat tatnttccgt cctggggtgg gnataccaac ccccttccc 300
ccttttcca aaaattttaa ggttaaatng gcnaaaaaaa acatcctntt tttcccccta 360
ccttaaanga aaaac 375

<210> 2457
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<400> 2457

gcggatgagc ccatccctgn caaggagcta gagcgaggtg tggcgggggc ccacggcctg 60
ctctgcctcc tctccgacca cgtggacaag aggatcctgg atgctgcang ggccaatctc 120
aaagtcatca gcaccatgtn tgngggcatn gaccacttgg ctttggatga aatcaagaag 180
cgtgggatcc gagttggcta caccccagat gtcctgacag atacnaccgt cgaactcgca 240
gtctncctgc tacttaccac ctgncgtcgg ttgncngagg ccatcga 287

<210> 2458
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 2458
ctcaagtgag ccgcatgctt ggcagatctg gccgacagga antacaagca ggctnccaag 60
tgcctactgn tgncttcntt tgatcactgt gacttccctg agctg 105

<210> 2459
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<400> 2459
aattcggcac agccatggcc cgcgctgctc tctccgccgc ccccagcaat ccccggctcc 60
tgcnagtggc actgctgctc ctgctcctgg tagncgctgg ccggcgcgca caggtagtgt 120
ccgtggccac tgaaactncg ctgccagtgc ttgcagaccc tgcagggaat tcaccccaag 180
aacatccaaa gtgtgaacnt aaagtccccc ggaccccact gcgcccaaac cgaagtcata 240

gccacactna agaatgggag gaaagnttgn cttcaatcct gcatgcccca ttntttaagn 300
anattatcgg naaaggntgt nnaacagtgg caaattcaat tggancagaa gggagggagg 360
aaggttnaat ggtgggtgtt ngcttgnagg gagngccttn gccttttta gggtagcaaa 420
gngggaaagg nnggtnaaag ttnngagggg ncacntggnt tttggctaan nngnttnnag 480
gnancgttnn gnggaatntt 500

<210> 2460
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 2460
gtcccccggn ccccactncg cccaaaccgg agtcatagcc acactcaaga ntgggcggaa 60
agcttgcctc aatcctgcan cccccatagt tatgaaantc atcg 104

<210> 2461
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<400> 2461
tgggggctct tgggttcctc gtctgctaca cagaagtgag gagattcccc tgactgatct 60
catgttgtta agtgttctat ccatccccac cacaccccaa cttcttcatg naagcaggtn 120
tccatcctta taacttgaga ggctgtgaat cattccatag atgtnggtct tctgctaccg 180
ntcttcacat tgcctctaca taccaggtct tcagctgcat tctaggaaac atcatatact 240
attggattgc aaatctataa ataatataag acaatggact gacaggggaa aaaagttttt 300
ttttaagttt acaaactnca atcccacttg ttggcatttc naagggggcn atacttttc 360
cttnattcca ccgtttaaag aagtttngga att 393

<210> 2462
<211> 362
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<400> 2462
gcctgaagag gctgccacag tgacttccta cctgaactgc tcctggcccc ctcctccaag 60
aagggcaaag ctcgcctgag ccctcgaagt gtgggcgtca tctccccgta ccggaaacag 120
gtggagaaaa tccgttactg catcaccaaa cttgacaggg agcttcgagg actggatgac 180
atcaaggact tgaaggtggt tcagtagaag aattcaaggc aagangaagc gtatctattt 240
cacggcgaac ancagacttt gnactgatct gactttattg gttcttaacc caagaggtaa 300
tgantgnacc ggcaangctg tatatcgggg aaccntttct ggcatacctg ntgaagatct 360
ga 362

<210> 2463
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2463

gcggcacgag gaatttgctc gctacactac tcctgaggat gctactcccg agcccggaga 60
ggacccacgc gtgacccggg ccaagtactt cattcgagat gagtttctga ggatcagcac 120
tgccagtgga gatgggcgtc actactgcta ccctcatttc acctgcgctg tggacactga 180
gaacatccgc cgtgtgttca acgactgccg tgacatcatt cagcgcatgc accttcgtca 240
gtacgagctg ctctnagaag ggaaccccca aatttaatta aagccttnag cacaattaat 300
taaaagtgaa acgtaattgt ncaancagtt aatcacccac catagggcat gattaacaaa 360
gcaacctttc ccttccccga atgattttgc gaaacccccc tttcccttca gcttgcttag 420
atttccaaat ttaaaaagct taanggggge tacaganaaa ngaaaaaagg gcacaaaaat 480
tcccctctcac tttcattaaa ataataaaac agcagccgcc aaccanntaa atgaa 535

<210> 2464
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<400> 2464
ggtaaccccn ggggtttccc gggaaaattt cccccggggg ttccggaacc cccaacggcc 60
ggttcccggg cncccaacgg ccggtttttn tnttcntgga agggggaaag ggngtcncga 120
agcccaggcc cgcttggttt ttggggcggg aanggaantc cccttaaggc ccgtaagtaa 180
aggcattaaa taaatggtct ttnatctttt gaagtgggat ctacaatggg nttnagcaag 240
tggtggctcn agttcctagg acttgtacaa gaaatntgga aaacttgaat tcttaggttt 300
ggataatgca gggcaaaacc antnttntta acatgctcaa aggatgacag attggccaac 360
ntgttccaac antacatccg a 381

<210> 2465
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2465
gctcagcagg gagccccatg cccttccagg tgtggagagc ancctgcgtg tcactggctg 60
ccgccagatc ttacggagcc tcccanagca caactacngt antncttcg 109

<210> 2466
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 2466
ccacgcgtcc ggacaagnct gtgaaggatc tggtcatctt gctctatgaa actgcgctcc 60
tgtcttctgg cttcagtctg gaagatnccc agacacatgc taacaggatc tacaggatga 120
tcaaacttgg tctgggtatt gatgaagatg accctactgc tgatgatacc agtgctgctg 180
taactgaaga aatgccaccc cttgaaggag atgacnacac atcacgcatg gaanaagtng 240
actaanctct ggctgaggga tgacttacct gttcagtact ctacaattct ctgatagtat 300
atttcnagga tgcttttctc tatttngtgt aatattaaat agtctgatgg catgacaact 360
actttaaagg gaaagattng attctgnnta cta 393

<210> 2467
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)

<223> n equals a,t,g, or c

<400> 2467
ccgtgagggn aagcgtctcc gttgggtccg gccgctctgc gggactctga ggaaaagctc 60
gcaccaggtg gacgcggatc tgtcaacatg ggtaaaggag accccaacaa gccgcggggc 120
aaaatgtcct cgtacgcctt cttcgtgcag acctgccggg aaagagcaca agaaagaaac 180
acccggactc ttccgtcaat ttcgcnggaa ttctccanaa antttttcgg aaaaatggaa 240
aaaccntttn tgccaa 256

<210> 2468
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 2468
gggagccggc gccgggagtg agccataact ggtggctgct cttgcgccaa tgagcctccc 60
caattcctcc tgcctcttag aagacaagat gtgtgagggc aacaagacca ctatggccag 120
cccccagctg atgcccctgg tggtggtcct gagcactatc tgcttggtca cagtagggct 180
caacctgctg gtgctgtatg ccgtacggag tgagcggaag ctccacactg tggggaacct 240
gtacatcgtc agcntttcgg tggcggactt gatcgtgggt gccgtcgtca tgcctatgaa 300
catcctctac ctgctcatgt ccaagtggtn antgggccgt cctttntgcc tcttttggnt 360
ttccatggac tatgtggcca gcacagcgtc cattttcagn gtcttcatcc tgtgcattga 420
tcgctaccgc tctgtccaca acccntcagg taccttangt nttgtaccaa aaccngag 478

<210> 2469
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<400> 2469
gcccacgcgt ccggnnagtc agatagtgag gaacgattcc agttggtaga tctgcgtttg 60
tgagggtttt attctgttct ctgaatcttg gccaaaggaa agttggaagg caactgacag 120
attctgcctt ttaggtactt gaactggcag gaaatgcatc aaaagactta aaggtaaagc 180
gtattacccc tcgtcacttg caacttgcta ttcgtggaga tgaataattg gattctctca 240
tcaaggctac aattgctggt ggtggtatgt taacttctaa cattttaaaa aatttcttca 300
taggaaggaa ttttttgctg cttttaatta gtttttccag gagaggaaat ttaagtatat 360
tttcaatgat ggaagtatgg ttgtatcatg aaatttgatt tatatgtata actcaatgaa 420
tttttacttc atacttgagc tgcatgtttt aaagatacct ttcaagttga acagtataca 480
cttcttggtt tcaaatactg ggatttttta aaaaatttaa gtggaatnaa ttcctgcact 540
cttctaagnn ggtattncac acattcncaa aatt 574

<210> 2470
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (384)
<223> n equals a,t,g, or c

<400> 2470
gcttgtcggg aggagcataa gaagaagcac ccagatgctt cagtcaactt ctcagagttt 60
tctaagaagt gctcagagag gtggaagacc atgtctgcta aagagaaagg aaaatttgaa 120
gatatggcaa aagcggacaa ggcccgttat gaaagagaaa tgaaaaccta tatcctccc 180
aaaggggaga caaaaaagaa gttcaaggat cccaatgcac ccaagaggcc tccttcggcc 240
ttcttcctct tctgctctga gtatcgccca aaaatcaaag gagaacatcc tggcctgtcc 300
attggtgatg ttgcgaagaa actgggagag atgtggaata acactgctgc anatgacaag 360
cancttatna aaaagaangc tgcnaa 386

<210> 2471
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<400> 2471
ggcacgaggn aggaactgat tcgtcctgag agaaacacat tggttgtgag ttttgtggac 60
ctggaacaat ttaaccagca actttccacc accattcaag aggagttcta tagagtttac 120
ccttacctgt gtcgggcctt gaaaacattc gtcaaagact ctggaagaag aacttataaa 180
taaaaaaaga ntcatagaga aagtnnttca tcgactcaca cactatgatc atgttctaat 240
tgagctcacc caggctggga ttgaaaggct ccacagaggg aagtgagagc tatgaagaag 300
atccctactt ggtagttaaa ccctaactac ttggctggag gattgnagat aagtggaaan 360
taatggacca gagctganga acngtgggca cncacntcnt ggncngggag cngggnggga 420
gctnggnnag ggacaaagtg tttccgggan tgnnggcttc caggatttgt tttccngaac 480
caagaattga gttgaaggtc ccaagtgtca catncntcac aggtttcata ccaacacagg 540
cttcagcaat 550

<210> 2472
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 2472
ggttctccaa cagcttcagg ttcatcagta agtcctggtt tatacagtaa aaccatgacc 60
cctatatatg accccatcaa tggaacacca gcatcatcca ccatgacttg gttcagtgac 120
agccctttga cggaacanaa ctgcagcatc ctcgcattca gccaaccccc ccagtcccca 180
naagcacttg cggatatgta ccancctcgg nctntggntg ataaagccaa gctcaatgca 240
ggttggctag actnctgacg ctcgnttatg gaacanggca tncaacagga tgagcagctg 300

ctnttacgat ttaaatntta ttgtttcttn gacttgaatn ctaaatatga tgctgtccna 360
ataaaccaac tctatgagnn agccaggtgg gccattctct tacaagaaat tgattgcaca 420
cgaggggnga aatgttagan 440

<210> 2473
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<400> 2473
aaggngancg ncnancctca ctaaagggaa caaaagctgg agctccaccg cggtggcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagccg ctacaaccaa 120
gagacaccaa tggagatctg cctcaatgga acccctgctc tggcctacct ggcgagtgcg 180
cccccacccc tgtgtccaag tggccgcact ccagacctga aggctctact caacgtggtg 240
gacaatgccc ggagtttcat ctacgtcgct gtcatgaact acctgcccac tctggagttc 300
tcccacctac gagcgtggcg tcaaggtgcg cctgctcatc agctgctggg gacactcgga 360
ggccatccat gcgggccttc ctgctct 387

<210> 2474
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (195)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<400> 2474
aattcggcac gagcacagct catgttttcc agcctgtgtg ggagcttggt ctgaagagag 60
attaagtgat agcctactta tggatcctgg agaattcttc agaaatccat gtgtaactca 120
ggtgcctatt tggttatgac aaaagatatg gctaattttt attttgaaaa gtttgaataa 180
acttagtttt ctctntttcc acttgcaaag agttttgatg atggagacta ttttcctgtg 240
tggggcacat gccttggatt tgaagagctt ttgatgctgn ttagtggaga gtgcttatta 300
actgccacag gtnactgttt gacgtggcaa tgccgttg 338

<210> 2475
<211> 496
<212> DNA
<213> Homo sapiens

<400> 2475
gggagcaggt ggcggttttg gctcccccat ggacatcttt gatatgtttt ttggaggagg 60
aggaaggatg cagagagaaa ggagaggtaa aaatgttgta catcagctct cagtaaccct 120
agaagactta tataatggtg caacaagaaa actggctctg caaaagaatg tgatttgtga 180
caaatgtgaa ggtagaggag gtaagaaagg agcagtagag tgctgtccca attgccgagg 240
tactggaatg caaataagaa ttcatcagat aggacctgga atggttcagc aaattcagtc 300
tgtgtgcatg gagtgccagg gccatgggga gcggatcagt cctaaagata gatgtaaaag 360
ctgcaacgga aggaagatag ttcgagagaa gaaaatttta gaagttcata ttgacaaagg 420
catgaaagat ggccagaaga taacattcca tggtgaagga gaccaagaac caggactgga 480
gccaggcgat attatc 496

<210> 2476
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 2476
catctgaaaa agaatgantc ccaacantcc ctctatcaca tatgaacatc antcagtngt 60
ttgaatttca tcgnatgatc tgggcagacc tcagctgcct ggtttaccga gctgataccc 120
agncatacca gcctttatna acaaagnctg ggttnaaaga gaagttctac gtgctccttc 180
gtgggcang 189

<210> 2477
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<400> 2477
tgaatncccg ggtcgaccca cncgtccgcc caacacaggc atgctcataa ggaaaggtta 60
aaaaaagtaa aaggaactcg gcaaatctta ccccgcctgt ttaccaaaaa catcacctct 120
agcatcacca gtattagagg caccgcctgc ccantgacac atgtttaacg gccgcggtac 180
cctaaccgtg caaaggtagc ataatcactt gttccttaag tagggacctg tatgaatggc 240
tccacgaggg ttcagctgtc tcttactttt aaccagtgaa attgacctgc ccgtgaagan 300
gcgggcatga cacagcaaga cgagaagacc tatggagctt taatttatta atgcaaacag 360
tacctaacaa acccacaggt cctaaactac caaacctgca ttaaaaattt cggttggggc 420
gaactcggaa caaaaaccaa cctccganca atacatgcta agacttcacc agtccaancg 480
aactactata ctccattgat ccaataactt gaacaacgga acaanttacc c 531

<210> 2478
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 2478
gggaaannтc tgcgccatga gagccaagtg gaggaagaag cgaatgcgca ggctgaagcg 60
caaaagaaga aagatgaggc agaggtccaa gtaaaccgct agcttgttgc accgtggagg 120
ccacaggagc agaaacatgg aatgccagac gctggggatg ctggtacaag ttgtgggact 180
gcatgctact gtctagagct tgtctcaatg gatctagaac ttcatcgccc tctgatcgcc 240
gatcacctct gagacccacc ttgctcataa acaaaatgcc catgttggtc ctctgccctg 300
gacctgtgac attctggact atttctgtgt ttatttgtgg ccgagtgtaa caaccatata 360
ataaatcacc tcttccgctg ttttagctga agaattaaaa nctanntna 409

<210> 2479
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature

SNSDOCID: <WO___0122920A2_I_>

<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 2479
aaaatagtcc tttgcttcac tacaaaacgt aggatatctg gcgggtgatg cgaagattct 60
taataacatc aatttttcgc tgcgtgctgg cgaatttaag ttaattaccg gtccttctgg 120
ttgtggcaaa agtacgctgc taaaaatagt tgcttcattg atcagcccaa ccagcggaac 180
gttnactgtt tgaaggtgag gatgtcagca cactaaagcc agaaatctac cgccaacaag 240
tctcttactg cgcccagaca ccgacgctgt ttggcgatac ggtatacggt aaatctggat 300
ctttccctgg cagatccgta accggcagcc tgacccagcc atttttctcg nttttttcgn 360
acggtttggc tttgccggac agcatttnna cggggatttc gccgggtttt tggtggggaa 420

aanaaggatt tcatggntng taacccgcaa ttttngccgn ggttttattg ttgggtggaa 480
taaccatggg tgggtgg 497

<210> 2480
<211> 171
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<400> 2480
gtccggaatt cccgggtcga cccacgcgtc cggtcctttg cttncatgga ggtcctgnac 60
tggacacacg ngaaggagca gctggaaact ctccggaagc tgcanaggag ggaggtggct 120

gngcagtggc tgcggcctgc agaggangac cacctgnagg attccctgga n 171

<210> 2481
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<400> 2481
gactagttct agatcgcgag cggccgccct ttttttttt ttttttttaa tggtatgaat 60
ctcatttatt gaaaacatta tttctcacct ttctcaaatt gaagactgca aaaaataaaa 120
gcagtgcttt attgagttgt catgagcctc gggcgggagc agcagcactg cctctccacg 180
ctccgggaaa ccgcagctgg cgtgtgccac atcggtccca cctcgcttta caaaacagtc 240
ctgaagctta atcaaataaa attattgtac acaacattta cattagaaaa aganagctgg 300
gtgtaggaaa gccgggcctg gtgttccctt taagcgaagg tggntccaca gttggggcat 360
cgtcgcttcc tcaaggcaaa acagcaaatg aacccaaagg ggaanaggat gatggccang 420
aagatnccca ngaaggtgaa gcantcct 448

<210> 2482
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<400> 2482
cccacgcgtc cgaagatcat cttctgatnt gttggttttt gaatatacta aanaccctgc 60
taaaccagac caantggaaa atgtaatcct gatctcanat taanaagtcc cataaggaag 120
ctatggtctc tcctgaaatt caaatttgaa tggaaatctc ctaatgcatc tgatnaacat 180
actgtttgtc tgtnggatat nggcncngna acaanagaat gcnaaattgt ngatnctaaa 240
ccatctttan tggccactca actgttntta aaagatgtga ctggcacctg ctgcacaatt 300
cattgtatgg atctgttgct gatgatcaaa acttatnata tggaacncaa nntccaatac 360
aactccaanc 370

<210> 2483
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)

<223> n equals a,t,g, or c

<400> 2483
ctggtaggtt cgcaggtaca ggtccggaat tcccgggtcg acccacgcgt ccggaagatg 60
cagaagatcg gcctccagaa ctcctgttta ttcatggagg acacactgct aagatttcag 120
attttagctg gaaccccaat gagccttggg tcatttgctc agtgtctgag gataacatca 180
tgcagatatg gcaaatggct gaaaatattt acaatgatga agagtcagat gtcacgacat 240
ccgaactgga gggacaagga tcttaaaccc aaagtacgag aaatgtttct gttgaatgta 300
atgctacatg aatgcttnat ttatntttcg ccaaaaaggc attgtatant angaaatgta 360
agtggggtgg cttatggctn ctt 383

<210> 2484
<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<400> 2484
aacagnnctg accatgatta cgccaagctc taatacgact cantataggg aaattntggt 60
acgcctgcag gtaccggtcc ggaattcccg ggtcgaccca cgcgtccgcc cagctgggat 120
ctnagggctt ccttttctgn cctcctncag gatggggtca accgccatcc tcgccctcct 180
cctggctgnt ctccaaggag tctgtgccga agngcanctg gngcagtccg gagtagaggt 240
gaaaaagccc ggngagtctc tgaggatctc tgtaaggttt ctggatacag ctttaccagc 300
tactggatca agtgggtgcg ccagatgccn gngaaaggcc tggagtgnat ggcgaggatt 360
gatcctagng actcttatac caactacagc ccgtccttcc aaggccacgt caccatctna 420
gctgacaagn ccatcagcac tgctacctgc agtggagcag ctgaaggcct cggacaccgg 480
catgnattac tgngccagac atgaagccag aggcttggac tactttgact actggggcca 540
ngnaaccctg gtaccgcttc ttagcttcan caagggccat cgg 583

<210> 2485
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<400> 2485
gtctggaact gcctctgttg tgtgcctgct gaataacttc tatcccanag aggccaaagt 60
acagtggaag gtggataacg ccctccaatc gggtaactcc caggagagtg tcacagagca 120
ggacagcaag gacagcacct acagcctcag cagcaccctg acgctgagca aagcagacta 180
cgagaaacac aaagtctacg cctgcnaagt cacccatcag ggcctganct cncccgtnnc 240
aaa 243

<210> 2486
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 2486
gccttctcac aatgaggctc cctgctcagc tcctggggct gctaatgctc tgggtctctg 60
gatccagtgg gaatattgtg atgactcagt ctccagtctc cctatacgtc acccctggag 120
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
atttggattg gtacctgcag aagccagggc agtctccaca gctcctgatc tatttgggtt 240
ctaatcgggc ctccggggtc cctgacaggt tcagtggcag tgggtcaggc acagacttta 300
cactgaaaat caccagagtg gangctgang atgttggggg ttattattac tggatgcaag 360
ctntacaaat tcattcantt tnggccctgg accaaa 396

<210> 2487
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<400> 2487
gtccactatg gcctgggctc cactacttct caccctcctc gctcactgca caggttcttg 60
ggccattttt atgctgactc agccccactc tgtgtcggag tctccgggga agacggtaac 120
catctcctgc acccgcagca ntggcaagca ttgccagcaa ctatgtgcag tggttccagc 180
agcgcccggg cangttcccc caccactgtg atctatgagg ataaccaaag accctctggg 240
gtccctgatc ggttctctgg cttacatcga cagctcctnc aactctgcct tccttaccat 300
tctctggact gaanactgag gacgangctg actactactg gnagtcttat taataacaag 360
caatgttggg tatttcggcg ganggaccaa aacctnaacc ttctaag 407

<210> 2488
<211> 244
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<400> 2488
ggcanagcca gagggaacca tggaaacccc agcncattnc ttttcctcct gctactctgg 60
ctcccagata ccaccggaga aaatntnttg acgcatttcc caggcaccct gtnttttttt 120
ccaggggaaa nagccaccct ntcctgctgg gccagtcana gtgtttacag cagctactta 180
gcctggtacc agcagaaacc tggncaagnt cccaggnncc tcatctatgg tgcatccagc 240
aggg 244

<210> 2489
<211> 370

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<400> 2489
gtcgtcccnc tagatggaca tnaggtccnc gctcacctcc tggggctcct gcnctctgct 60
ccgagggcca gatgtgacgt ncagatgacc catctcattc ttctgctgca tctgtaggag 120
acagagtcac catcacttgc ccgggcangt cagagcatta ncagcgatgt aaattggatc 180
agcagacaat atggaaagcc ctancctcct gatctatgct gcatcaantc gcatagtggg 240
gcccatangg tcagtgcagt gatctgggac agacttcact ctcacatanc agtctgcacc 300
tgagatttga nctactactg caacagagta cagaggnact cacgttagca tggaacnatg 360
nagattaaca 370

<210> 2490
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 2490
ggcagagcag cactctcggg aacgtctcca ccatggcctg ggctctgctc ctcctnagcc 60
tcctnactca gggcacagga tcctgggctc agtctgccct gactcaacct cgctcagtgt 120
ccggntctcc tggacagtna gtcaccatct cctgcactgg gaaccagcag tgaatgttgg 180
tggttataac tttgtntcct ggtaccaaca ggacccaggc aaagncccca aactnatgat 240
ttatgaatgt ncacttaagc gggccctcag gggtccctga atcgntttct ttgggntcca 300
agttttggca acacggcctt ccctggacca ttttttgggg ttccaggttn aggatgacgg 360
tggattatta actggttggt tcatatttca ggnggcttac aatagnttat gtttttcggg 420
aattggggac caaggttcaa cgtcctgngg tnagccccag ggncaaaccc att 473

<210> 2491
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<400> 2491
aattcggcag agcaggaggc agcgctctcg ggtcgtttcc accatggcct gggntctgct 60
attcctnacc ctgctcactc agggcacagg gtcctgggcc cagtctgccc tgactcagnc 120
tgcctccgtg tctgggtctc ctggnacagt cgatcaccat ctcctgcact gggaacaagt 180
agtgacgttg gtggctataa attatgtctt ctggtaccat caataaccca ggcaaagccc 240
cccaaccctg gttttatgga tgtnagttat tgggcctaag gggtttttta aatgcgcttt 300
ttttgggttc caagtttggn aaaaaggggn cttccttnga ncatttttgg ggttcccncc 360
ctgggggggg tttttnnttt ttnnntnngn gctnttttgg aaaggncccc actntntttn 420
tttgggggggg ggggncccaa ttttnnncct ttngggnnaa anaaggttnc ccnggggggt 480
nnttttttccc cccnngnggg ggggnnaana 510

<210> 2492
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 2492
gaaagctggt acgcctgcag gtaccggtcc ggaattcccg ggtcgaccca cgcgtccgct 60
ctttgtggtg gcagcagcta caggtgtcct gtcccanctg cagttggtgc agtcaggggc 120
tgaggtgagg aagcctgggt cttcggtgaa tatctcctgc aaggcttctg gaggcacctt 180
cagtagatat gctgtcacct gggtgcgaca ggcccctgga caaggccttg agtgggtggg 240
aggcatcact cctgtctatg gtacgacaca ctatgcagat aatttgcgcg gccgggtcac 300
cataacggcg gacaaatcca cgaacatagc ctatatggaa ttgaagagcc tgaaatttga 360
agacacggcc atgtatttct gtgcgagggt tcacaactcc tatgacagtt cggctctcaa 420
ttggntcgac ccctggggcc agggaactct ggtcaccgtc tcctcagnct ncaccaaggg 480
cccatcngtc ttnccccctgg cacccttctt 510

<210> 2493
<211> 249
<212> DNA
<213> Homo sapiens

<400> 2493
ggactcctct accagctaca gtgcgtcctt ccgaggccac gtcatcatct cagctgacaa 60
ctccatcagc actgcctacc tgcagtggag cagcctgaag gcctcggaca gcgccattta 120
tttctgtgcg agacctattg cgagtgtgaa agctcgtctg gtggcaccaa gcaaggacta 180
ctggggccag ggaaccctgg tcaccgtctc ctcagcctcc accaagggcc catcggtctt 240

cccccctgga 249

<210> 2494
<211> 490
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<400> 2494
ggtagcccca gccntgagat tcccaggagt ttccacttgg tgatcagcac tgaacacaga 60
ccaccaacca tggagtttgg gcttagctgg gttttccttg ttgctatttt aaaaggtgtc 120
caatgtgagg tgcggctggt ggagtctggg ggaggcttgg ttcagccagg gcggtccctg 180
agactctcct gtacaactcc tggattcacc tttgatgatt atgcgatgaa ctggttccgc 240
caggctccag ggaaggggct ggagtgggtg ggtttcatta gaagcaaaac ttatggtggg 300
acaacacaat acgccgcggc tgtgaaaggc agattcacca tctcaagaga tgattccaaa 360
agtatcgtct atctgcaaat gaacagcctg aagaccgagg acacagcccg tgtattattg 420
ngctaaagaa gggtattgta ataagtacca acttgnttgg gccanggaac cctggtcacc 480
ggnttcntta 490

<210> 2495
<211> 489
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 2495
gaattcggca nagcagtacc ccgtacactt ttggccaggg gaccaaactg gagatcaaag 60
gaactttggc tgcaccatct gtnttcatct taccgccatc tgatgagcag ttgaaatctg 120
gaactgcctc tnttgtgtgc ctgctgaata acttctatcc cagngaggcc aaagtacagt 180
ggaaggtgga taacgccctc caatcgggta acttccaggt ggagtgtcac agagcaggnc 240
agcaaggaca gcacctacag cctcagcagc accctgacgn tgagcaaagc agactacggg 300
gaaacacaaa gttttacggc tgcgagttca cccntcaggg ccttaggttg gcccgttaan 360
aaggggtttt aacagggggg gnttttttagg ggggngggtt ncccccccctt nttctnnntt 420
ttccatttta ccccttcnnn tttnnggctt tnnctttttta aaagggnggg ncnncccttt 480
tggggncnc 489

<210> 2496
<211> 579
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<400> 2496
nttttttaaa ttggtatcag cagaaaccag ggaaagccnc tgagctcctg atctatgctg 60
cttctgcttt gcgaggtggg gtcccatcaa ggttcagtgg cagtggatct gggacagatt 120
tcactctcac catcagcagt ctgcagcctg aagattttgc aacttacttc tgtcaacaga 180
gtgacgattt ccctttttagc ttcggccaag ggacacgact ggagatgaaa cgaactgtgg 240
ctgcaccatc tgtcttcatc ttcccgccat ctgatgagca gttgaaatct ggaactgcct 300
ctgttgtgtg cctgctgaat aacttctatc ccagagaggc caaagtacag tggaaggtgg 360
ataacgccct ccaatcgggn actcccagga gagtgtcaca gagcaggaca gcnaggacag 420
cacctacagc ctcagcagca ccctgacgct gagcaaagca nactacnaga aacacaaagt 480
ctacgcctgc gaagtcaccc atcaaggcct gagctcnccc gtcacaaaga gcttaacagg 540
ggagagngtt aaaanggaga aatncccccа nctgctcct 579

<210> 2497
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2497
aattcggcag aggnaaaccc cagcgcattc ttttcctcct gtagggccag tcagagtgtt 60
agtaccaggt tcgtagcctg gtaccaacag aaacttggcc aggctcccag ggtcctcatt 120
tatagtacat cctccagggc ccctggnatt cccagaacag gttcagtggc agtgggtctg 180
ggnactgaac tttcacttct tcaacatcag cgggcctggg agcctgaaga ttttgcagta 240
ttantactgt gcaactctta tcgtagggcc ctcgggcact tttcgggcgg aggggaccca 300
aggtgggaga ttgagacgga actttgggct tgcaaccatn ttgtttttn annttnccg 360
gccattttga ttggggcant ttggaaantt ttgggacttg cncttntttg nnnttncccn 420
nttggaaaaa attttttttt cccngggngg ggccaanttn naaagggnag ggnggnttaa 480
agggcnntcn aatnggggg 499

<210> 2498
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 2498
gtccactatg gcctgggctc cactacttct caccctcctc gctcactgca caggttcttg 60
ggccattttt atgctgactc agccccactc tgtgtcggag ccnccgggga agacggtaac 120
catctcctgc acccgcagca gtggcagcat tgccagcaac tatgtgcagt ggttccagca 180
gcgcccgggc agttccccca ccactgtgat ctatgaggat aaccaaagac cctctggggt 240
ccctgatcgg ttctctggct ccatcgacag ctcctccaac tctgcctccc tcaccatctc 300
tggactgaag actgaggacg aggctgacta ctactgtcag tcttatgata gcagcaatgt 360
ggtattcggc ggagggacca aactgaccgt cctaggtcaa gcccaaggct tgcccctcgg 420
tcactctgtt cccgccctcc ttctgangag ctttaagcca acnaggccac actggtgtgt 480
ctcataagng attcta 496

<210> 2499
<211> 433
<212> DNA
<213> Homo sapiens

<400> 2499
ggccccagcc gtgagattcc caggagtttc cacttggtga tcagcactga acacagacca 60
ccaaccatgg agtttgggct tagctgggtt ttccttgttg ctattttaaa agcctccacc 120
aagggcccat cggtcttccc cctggcaccc tcctccaaga gcacctctgg gggcacagcg 180
gccctgggct gcctggtcaa ggactacttc cccgaaccgg tgacggtgtc gtggaactta 240
ggcgcccttg accagcggcg tgcacacctt cccggctgtc ctacagtcct caggactcta 300
ctccctcagc agcgtggtga ccgtgccctc cagcagcttg ggcacccaga cctacatctg 360
caacgtgaat cacaagccca gcaacaccaa ggtggacaag agagttgagc ccaaatcttg 420
tgacaaaact cac 433

<210> 2500
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)

<223> n equals a,t,g, or c

<400> 2500
gggaagcagc actggtggtg cctcagccat ggcctggacc gttctcctcc tcggcctcct 60
ctctcactgc acaagcctct gtgacctcct atgtgctgac tcagccaccc tcggtgtcag 120
tggccccagg acagacggcc aggattacct gtggggcaaa caacattgga attaaaaatg 180
tgcactggta ccagcagaag ccaggccagg cccctgtgct ggtcgtctat gatgataagc 240
gaccggccct cancgatcct gancgaattt tttggttcca actnttggga acacnggcca 300
ccctgaccat caacanggtc gaaccgggga tgaagccgac tattactgtc aggtgtggga 360
tactagtant gccaaggagt gttcggcgga nggaccaaac ttaccgtcta attaacccaa 420
ggctgcccct cggtcactct gttccaccct tctnttaaga acttcaacca aaaangncac 480
acttggtgtg ncttataaat gacttntacc cggaaccc 518

<210> 2501
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<400> 2501
gcaggaggca agctctgtcg gaatatctcc accatggcct gggctctgct cctcctcacc 60
ctcctcactc agggcacagg atcctgggct cagtctgccc tgactcagcc tccctccgtg 120
tccgggtctc ctggacagtc agtcaccatc tcctgcactg gaaccagcag tgacgttggt 180
ggttataacc gtgtctcctg gtaccagcag tccccaggca cagccccaa actcatgatt 240
tatgaggtca gtaatcggcc ctcaagagtc cctgatcgct tctctgggtc caagtctggc 300
aacacgggct tccttgacat cttttgggct ccaagcttga ngacnaaagg tgaattatta 360

ctgnctgctc gnatcaaagn aagtaagttt tttttcctat tt 402

<210> 2502
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2502
ggcacganct tganttggtt tcaccagagg ccaggccagt ntccaaggcg cctactttat 60
aagatttcta atcgggaact ctggcgtccc anacagattc ancggcagtg gggtcaggca 120
ctgatttgca cactgaaaat cagcagggtg gaggctgagg atgttggcat ttattaactg 180
catgcaaagg ttcacactgg cctcggaacg ttcggccaag ggnaccaagg tgggaaatcn 240
aaacgnaact gtggctgcac catctgtntt catctttccc ggccatctgn ntgagccatt 300
tgnaaatctg gaactgcctc tgttgtgtgc cctgctgnat aactttcta 349

<210> 2503
<211> 169
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<400> 2503
ngaaaaaang ggggattctc cctcacttna agggaacaaa cagctggcag ctccaccgcg 60
gtggcggccg ctctacaact actggatccc ccgggctgca ggaatactgc accaccntaa 120
caacangttt gtgctattca ctgtggcata acaatggnnn aattagtcg 169

<210> 2504
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<400> 2504
ncgattgcnc cctttctaaa agggaaccaa agctgnncct ccaccgaggt ggcggacntt 60
ctagaactag tggatccccc gggctgcagg aattcggcac ganctccatc tcaanaaaaa 120
aaaanaaaaa aaancccaaa 140

<210> 2505
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 2505
ngttttttcg aattaacccc ctcncntgga ataaaactgg agctccaccg cngtggcggn 60
cgctctaaaa ctaatggatc ccccgggctg caggaattcg gcacgan 107

<210> 2506
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<400> 2506

ccctctctaa aaggacaaaa gctggncncc accgcggtgg cggccgctct agaactagtg 60
gatcccccgg gctgcaggaa ttcggcacga ggtcngncta ngcc 104

<210> 2507
<211> 134
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<400> 2507
attacgttna gctggcncaa ttaancctca ataattggga acaaggcnct ggagctccac 60
cgcggtggcg gncgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgagn 120

ncnagtccat gacc 134

<210> 2508
<211> 124
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<400> 2508
gccaattaan cctcaatant tgggaacaan anctggagct ccaccgcggt ggcggncgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gaggccatgt tancgangac 120
attt 124

<210> 2509
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<400> 2509
ncctcactaa gggnacaaag ctggngctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccgg gctgcaggaa ttcggcacga gaccccatac agaaaccacc taccctcggg 120
gaggcttaat tacctggtaa tgtcgcagct gcactgctac ctgtgtattt tctgttttaa 180
tactggtagc tctcaccaca taagcttaat tactgggggc agagtgacat gctcgtgcac 240
agtcaagatt ccactaaaat ggtttgattt cgttgtaaat agtctcgtat tgcctaatgc 300
attaaaactc ttgaaatgat tgtattgcta ggccctttct tcaaaacggg ctttcttcgc 360
attatttagt ttacaggtgg acttttttt ttttaaagga agccaaatta ttgaatgtgt 420
aagagtacta taaaaagctg attgctcatc ttgagtgtca agacccagtt ccgggtactt 480
tattctttag atttggtagt gtagcattat cgaccctctg ccctatgttg ctgtactgtt 540
tcctttaaaa ggaaatggct ga 562

<210> 2510
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 2510
nctcataagg gancaaagct ggtgctccac cgcggtggcg gccgctctag aactagtgga 60
tccccccgggc tgcaggaatt cggcacgagc ccatcctttg ctcctaggat tttacatgtt 120

gcctgcaaag ggagtcaaac ttaggggca ggcaaacaaa cgagttcttt ccagcctctg 180
taaccggatc gctagagcga aataaactcg cacaagtgtc cagagatcgt agccagacag 240
ccagcctgcg cttgaagcaa cttttaagtg aggctgcaag agccgccggg atgtagattt 300
tagttcgtgg ccaagcacaa ctacgacacc ctgtccctgc ccccacccca tccccaagaa 360
tgcatggagg aaggagagag gacgaggtga gggccgcctg catttctgca cgtcggngcc 420
ggttagaaac cctgcagttt 440

<210> 2511
<211> 149
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<400> 2511
aacccgcacc aanggcaaca aancncgggc cccaccgcgg tgacgcccgc tcgagaacta 60
gtggatcccc cgggctgcag gaattcggca cgaggttaat tagaataaag tcatttttctn 120
ccaaaaaaaa aaaaaaaaaa aaaagnaaa 149

<210> 2512
<211> 149
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 2512
nnangacctt tcttngantt aacnccccctc ccttggaata aaactggagc tccaccgccg 60
tggcggcgct ctaaaactag tggatccccc gggctgcagg aattcgggac gagttcatgg 120
agaggcnant gctnggttcn cctgtgang 149

<210> 2513
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 2513

gttngaggac cttcgtctcc ctgagggaga ccttggcatg gagattgagc agaagtacga 60
ctgtggagaa gagatcctga tcacggtgct gtctgccatg acagaggagg cagctgttgc 120
aatcaaggcc atggcaaaat aactggctcc cagggtggcg gtggtggcag cagtgatcct 180
ctgaacctgc agaggccccc tccccgagcc tggcctggct ctggcccggc ctaagctgga 240
ctcctnctac acaatttatt tgacgtttta ttttggtttt ccccaccccc tcaatctgtc 300
ggggagcccc tgcccttcac ctagctccct tggccaggag cgagcgaagc tgnggccttg 360
gtgaagctgc cctcctcttc tcccctcaca ctacagccct ggtgggggag aaggggtgg 420
gtgctgcttg nggttagtct tttntntntt ntttaattca a 461

<210> 2514
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<400> 2514
gctcgctctc ctgccccacc ccgaggtaaa gggggcgact aagagaagat ggtgttgctc 60
accgcggtcc tcctgctgct ggccgcctat gcggggccgg cccagagcct gggctccttc 120
gtgcactgcg agccctgcga cgagaaagcc ctctccatgt gccccccccag ccccctgggc 180
tgcgagctgg tcaaggagcc gggctgcggc tgctgcatga cctgcgccct ggccgagggg 240
cagtcgtgcg gcgtctacac cgagcgctgn gcccaggggc tgcgctgnct cccccggcag 300
gacgaggaga agccgctgca cgccctgctg cacggncgcg gggtttgnct caacnaaaag 360
agctaccg 368

<210> 2515
<211> 695
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (625)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (664)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (665)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (671)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (690)
<223> n equals a,t,g, or c

<400> 2515
gtgctgagaa tattcctgag aatcccctga agtatctgta tccaaatatt gacaaagacc 60
atgcctttgg aaagtattac tccaggccaa aggaagtcac ccttctagac ttcagaccac 120
agacaacctg ctccccatgt ctcctgagga gtttgacgag gtgtctcgga tagtgggctc 180
tgtagaattc gacagtatga tgaacacagt atagagcatg aatttttttc atcttctctg 240
gcgacagttt tccttctcat ctgtgattcc ctcctgctac tctgttcctt cacatcctgt 300
gtttctaggg aaatgaaaga aaggccagca aattcgctgc aacctgttga tagcaagtga 360
atttttctct aactcagaaa catcagttac tctgaagggc atcatgcatc ttactgaagg 420
taaaattgaa aggcattctc tgaagagtgg gtttcacaag tgaaaaacat ccagatncac 480

ccaaagtatc aggacgagaa tgagggtcct ttgggaaagg agaanttaag caacatctag 540
caaatgttat gcataaagtc agtgcccaac tgntataggt tgttggataa atcaagtggt 600
tatttaggga actgcttgac cgtangaacc ggtaaatttc tggtggggag aattcttaca 660
tgtnntcttt ngctttaagg gaactgggcn agttt 695

<210> 2516
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<400> 2516
gcactccact ccttgtgcgg cgctaggccc cccgtcccgg tcatggccat gctcagggtc 60
cagcccgagg cccaagccaa ggtggatgtg tttcgtgaag acctctgtac caagacagag 120
aacctgctcg ggagctattt ccccaagaag atttctgagc tggatgcatt tttaaaggag 180
ccagctctca atgaagccaa cttgagcaat ctgaangccn attggacatc ccagtgcctg 240
atccagtcaa ggagaaagag aaagaggaac ggaagaaaca nganganaaa ggaa 294

<210> 2517
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<400> 2517
tatacggaaa gctggtacgc ctgcaggtac cggtccggaa ttcccgggtc gacccacgcg 60
tccgcatccg gacaccacag cggcccttcg ctccacgcag aaaaccacac ttctcaaacc 120
ttcactcaac acttccttcc ccaaagccag aagatgcaca aggaggaaca tgaggtggct 180
gtgctggggg cacccccccag caccatcctt ccaaggtcca ccgtgatcaa catccacagc 240
gagacctccg tgcccgacca tgtcgtctgg tccctgttca acaccctctt cttgaactgg 300
ngctgtctgg gcttcatagc attcgcctac tccgtgaagt ctagggacag gaagatggtt 360
ggcngacgtg accggggccc angcctatgc ctccaccggt caantgcctg aacatctggg 420
ccctgattnt gggcatnctc atgactcatt nggattnatc cttgttactt ggtatttctg 480
cttntgtgac agtctaccat tatttat 507

<210> 2518
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<400> 2518
gctngctatg ggcctagagt agcttaccta aatgctacta acctncctcc ataccattat 60
tgtaaagatt aaaggtgatg catctgttaa gtaactaata gagtgcttat taaaaggtat 120
gtgtncaata agtattaatt ccctttctnt ctttttctta ctagtgcact tgtgttttta 180
atggatcata ctttacccta tattgtattg tnggangcat cgtggatgga tggctgctgg 240
aaaccccttg ccataaccan ctcttcttca atacttaagg atttaccgtg gctntganta 300
atganaattt cnaaaccaca ttttgaaaaa ttatttccat cccagtgcta cttgtgttta 360
cttcttaaca atcattttct aacttgaaag ctggcattcc atgtcttcat ttttgggctg 420
tttcaatgca agggcttccc taaaacaaaa accaactggg tnaatgttat taagtgattt 480
gaaaaaaatt ggaananctt attccatcta tgccttttga tgctacttta tattccggaa 540
anttaanttt cnccccattt tccaa 565

<210> 2519
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 2519
gcacatagct agtcagtgac agactagtat ctgggtcact ggactcctta ctcaaaatct 60
actatttaat cagtctgtca gattaaccca cctggcatat gtacctggtg tgtgtgtaaa 120
gctctgatgt aatcagctgt acttagttcc ttttagtgtt cctatctctt tatccaagtg 180
tattaatttc atcttattaa atctttgaag tatcagacca tgagaangca tgaanaaacc 240
tgggctgana atcttcgcta tangaaacct gatcttgact gtatggctgg cttaagacgt 300
ttcacactgg aattgcaaca cacttattgg tgacctaagg tgcatgtnct tttgcaaaat 360
ctctcantna aggaatttat tggctnaaaa ctccttgaac tgccacaant gcgggccccn 420
ccnattaaaa gaaacaaagg nttttgctta aaaggccctt gaaaaccaat tcnaacncct 480
ggtccctcct cggaatttca naaaaaaaat ccccncccctt tgaacccccc cctcaanaaa 540
aaa 543

<210> 2520
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 2520
gcgatgcgct gtatgccggt atggaacggg cagacgctga cgttcgtgca ggaccgaccg 60
tcggataaga cgtggaccta taaccgcant aatgtggtga tgccggatga tggcgcgccg 120
ttccgctaca gcttcagcgc cctgaaggac cgccataatg ccctttnagg tgaactggat 180
tgacccgaac aacggctggg aaacggcgac agancttgtt gaaagatacg cangccattg 240
cccgtttncg gtcgttatgt ttncaaaaat tgatnccttt tngcttttac cagccggggg 300
gggggcccg gttaccccat tccccccccc atngttgant tcccttatta aaatt 355

<210> 2521
<211> 329
<212> DNA
<213> Homo sapiens

<400> 2521
gctctctaga gccctagcag ttgaactgtt agacaaagtg aacaatccag ataaccacgc 60
acattacact gaagcagatg acgatgactt tgagccccat gcaatcattc gtcataccat 120
tagatctaca aacaggaatg ccagagctga acggacagct tcagaaataa attttgacaa 180
attacaattt gaacctcctc tgagaaaaga aacagaagca cgagatgaaa tgggattgtc 240
atccagaccc aaatttcatg tttacagtgg aatccttttg ttgatggtgc aaatactggc 300
aaatcacctc aaaacgttgc aataccacc 329

<210> 2522
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 2522
ctttaatctc atttcccccc ccatttccag gtactgcaaa aagcctttga cttcaaactg 60
cacaattcag atagcaacac ctgggaaagg caagaagtca acaccaaaac ccatccctat 120
tctagctgct ggtttttgct cagacaaaat gtcattgttg cttgtatatg gcagttggtt 180
tcagcctact attgagcgag tggtacgtta gctgctactc tggagtaaag caatatagca 240

tccctgttgt ccatggaana aaattgattt taaaaataac aacattggtc tttaagataa 300
ataatatatc ctttttttaat taaaggattc ttcatnatn 339

<210> 2523
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<400> 2523
gggaggagct agangagctg gagcaggagg aattggccca ggagttgtta aatgtgggcg 60
acaaggaaga agaaccctca gtcaaattgc ctagtgtacc ttctactcat ctgcggcagg 120
gccagctccc aaagtggatg aagatgaaga agcactaaag cagttggctg agtgggtatc 180
ctgataaatc tgggcttgtc ttcctaatgc tacctttgtt ggtcctttct tccttaagtg 240
ccaagtgctg agctaaagga gaattgcagc tgantatgct cgaaatagtt catccangtc 300
angtggagaa acactatcgg gaaatggaag aaaaattagc actgattatt cagaaacatt 360
ggaaagggtc agggaaaggg aaaattttna ccaacngaag cngnctctta tanaa 415

<210> 2524
<211> 241
<212> DNA
<213> Homo sapiens

<400> 2524
gatggttcag agaaaatatt actgattgtg cttgtcccag catttagcat gttgaagttt 60
tgtatataag aagttttagc atagtggatt ttttataagt aggttaaaaa atactatttg 120
tatgttcagt taaacttttct ctgtatgttt gtctgttaca gctcagtcct tttgtttaca 180
gcgagtttgc cagggagaga aaccttcacg tttcattact tgacccgact ctatgagcat 240
t 241

<210> 2525
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)

<223> n equals a,t,g, or c

<400> 2525
gctcggatca ggatttaaac cggatgagga gtgaattgct ggtgcctggg tcacagctta 60
ttttaggtcc ccatgaatcc aagataccta tacttttgat tcagcagcca ggaaaagtga 120
ctggtgaaga tcgactaggc tggggaagtg gctgggatgt cctactccca aagggctggg 180
gcatggcttt ctggattcca tttatttatc gaggtgtgag agtcggaggg ttgaaagagt 240
ctgcagtgca ttctcagtat aagaggtcgc ctaatgtccc aggcgatttt ccagactgcc 300
ctgccgggat gctgtttgcg gaagagcaag ctaagaatct tcttgaaaag tacaaaagac 360
gccctcctgc aaaacggccc aactacgtta agcttggcac tctggcacct ttctgctgtc 420
cctgggagca gttaactcaa gactgggagt caagagtcca ggcttacgaa gaaccttctg 480
tagcttcatc tccnaatggt aagganagtg accttagnaa gatctgaagn nccttg 536

<210> 2526
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 2526
cgcgacgntg ggcgggtccg cggcgcgntc ggtcggcgcc tattctcggg ctgtttggcg 60
gaggcttgga atagttaaat gactttggtc ttgtccaagg ttagatggag ttcaactcta 120
acgtcaagtc ttggtccttt tcattgacga agcttcacaa aagatgtcta agcaacagcc 180
aactcagttt ataaatccag aaacacctgg ctatgttgga tttgcaaacc tccccaatca 240
agttcaccga aaatcagtga aaaaaggttt tgagttcaca ctgatggtgg tcggtgaatc 300
aggtctagga aaatcgactc tcataaacag cctattccta actgatctgt acccagaaag 360
agtcatacct ggagcagcag aaaaaattga aagaactgtc cagattgagg cttcaactgt 420
tgaaattgaa gagcnagggg tcaagctacg gcttgncagt ggtagatacc cctggctatg 480
ggtgacg 487

<210> 2527
<211> 410

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<400> 2527
ttanccctca ctaaagggnn caaaagctgg ggctccaccg cggtgacgac cgctctagaa 60
ctagtggntc ccccgggctg caggaattcg gcacgagggc cgttctggag ctgttgataa 120
gagagctcgg gaagctggaa atataaatca atccctgttg actttgggaa gggtcattac 180
tgcccttgta gaaagaacac ctcatgttcc ttatcgagaa tctaaactaa ctagaatcct 240
ccaggattct nttggagggc gtacaagaac atctataatt gcaacaattt ctcctgcatc 300
tctcaatctt gaggaaactc tgagtacatt ggaatatgct catagagcaa agaacatatt 360
gantaagcct gangtgaatc agaaactcac caaaaaagct cttattaagg 410

<210> 2528
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 2528
cctgggaatg taatgagtgt ggaaaagaca ctctcggatg tcctacctcn ctgtaccttа 60
tgtaactcat tcatganana aaccctatna ntgtgctgaa 100

<210> 2529
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<400> 2529
gccgnacgac tgttacagag gtctccagag ccttctctct cctgtgcaaa atggcaactc 60
ttaaggaaaa actcattgca ccagttgcgg aagaagaggc aacagttcca aacaataaga 120
tcactgtagt gggtgttgga caagttggta tggcgtgtgc tatcagcatt ctgggaaagt 180
ctctggctga tgaacttgct cttgtggatg ttttggaaga taagcttaaa ggagaaatga 240
tggatctgca tcatgggagc ttatttcttc anacacctaa aattgtggca gataaagatt 300
attctgtgac cgccnattct aagattgtag tggtaactgc angagtccgt cagcaagaag 360
gggagagtcg gctcaatctg gtgcagagaa atgttaatgt cttcaaattc attattcctc 420
agatcgtnaa gtacaantcc tgattncaat cataattgtg gtttccaacc nangtggaca 480
tttc 484

<210> 2530
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 2530
tnttagngcc cgcagncncc ggtccggaat tcccgggtcg acccacgcgt ccgactagtt 60
ctagttcgcg agcggccgct ctagaggatn caaggttacg tacgcaacca tgccagncna 120
angctntttn antggggcnn cnaaantnaa nttannnggc cgcngtttnn caacgtcgtg 180
actgggaaaa ccctggcgtt acccaactta atcgccttgc agnacatccc cctttcgcca 240
gctggcgtaa tagcgaagag gcccgcaccg atcgcccttc ccaacagttg cgcagcctga 300
atggcgaatg ggacgcgccc tgtagcggcg cattaagcgc ggngggtgtg gtggttacgc 360
gcagcgtgac cgctacactt gccagcgccc tagcgcccgc tcctttcgct ntcttccctt 420
cctttntcgn cacgttcgcc ggctttcccc gtcaagctct aaatcggggg ctnccttttag 480
ggttccgatn tagtgcttta cggcacctcg accncaaaaa acttgattag ggtgatggnt 540
cacgtantgg gccatcgacn tgatagacgg atattngccc tttgacgttg gag 593

<210> 2531
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 2531
ccctcactaa nggancaaaa gctggtgctc caccgcggtg gcgnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agaatgtcag gtaattgtta gccaaccaat 120

catatttaaa actgagacac caagtaattg actggaatct ctttgtaccg gatttactaa 180
gtggtgggtt ttctcatgga gtgagctgtt gggagttcca ctatttcatt ggaatatgga 240
caaattttag aatgaaaggt aaacacttgg gagagagaga gagaaagaaa cacagacgaa 300
gg 302

<210> 2532
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<400> 2532
gccttctctn aatgaggctc cctgctcagc tcctggngct gctaatgctc tgggtctctg 60
gatccagtgg gaatattgtg atgactcagt ctccactctc cctgcccgtc acccctggag 120
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
atttggattg gtacctgcag aagccagggc agtctncaca gctcctgatc tatttgggtt 240
ctaatcgggc cttcnngggn tccttgacag gnttt 275

<210> 2533
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 2533
tttntatnat ttgcgaactc ccgttaaagc ttgtacgccc tgcaggnacc ggtccggaat 60
tcccgggtcg acccacgcgt ccggntctgt cntataacaa gcttaaaaac ataccaacng 120
tcaatgaaaa ccttgaaaac tattacctgg aggtcaatca acttgagaag tttgacataa 180
agagcttctg caagatcctg gggccattat cctactccaa gatcaagcag aagctcttta 240

tgtcaatcgc atctcagaaa ccagtcttcc accggatatg tatgaatgtc tacgtgttgc 300
taacgaagtc actcttaatt aatatctgta tcctggaaca atattttatg gttatgtttt 360
tctgtgtgtc agttttcata gtatccatat tttattactg tttattactt ccatgaattt 420
taaaatctga gggaaatgtt ttggaaacat ttatttttt taaaaaaaaa naanaagggc 480
ggccgctcta gaggatct 498

<210> 2534
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<400> 2534
gcccacgcgt ccgggccgtc atggcgcccc gaaccctcct cctgctactc ttgggggccc 60
tggccctgac ccagacctgg gcgggctccc actccatgag gtatttcacc acatccgtgt 120
cccggcccgg ccgcggggag ccccgcttca tcgccgtggg ctacgtggac gacacgcagt 180
tcgtgcggtt cgacagcgac gccgngagcc agaggatgga gccgcgggcg ccgtggatag 240
agcaggagag gcctgagtat tgggaccagg agacacggaa tgtgaaggcc cactcacaga 300
ttgaccgagt ggacctgggg accctgcgcg gctactacaa ccagagcgag gccggttctn 360
acaccatnca natgatgtat ggctgcnacg tggggttcgg acgggcgctt cctncgcggg 420
taccaacat 429

<210> 2535
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 2535
gggaagcntg ctntgacctt gccaaggagc agggcccata cgaaacctat gagggctctc 60
cagttagcaa aggaattctt cagtatgata tgtggaatgt tactcctaca gacctatggg 120
actggaaggt tctcaaggag aagattgcaa agtatggtat aagaaacagt ttacttattg 180
ccccgatgcc tacagcttcc actgctcaga tcctggggaa taatgagtcc attgaacctt 240
acaccagcaa catctatact cgnagagact tgtcaggaga atttcagatt gtnaatcctc 300
acttattgaa agatcttacc gagcggggcc tatggcatga agagatgaaa aaccagatta 360
ttgcatgcaa tggctctatt canagcatac cataaattcc tgatgacctg aagcaacttt 420
ataaaactgt gtgggaaatc tctcagaaaa ctgttctcaa gatggcagct gagagaggtg 480
ctttcattga tcaaagccna tctttgaaca ttccacattg cttgagccta aaccttantt 540
tgggggggcc cccaaaaaaa acccc 565

<210> 2536
<211> 185
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<400> 2536
gcactatgca agctcnggat aacatcacga ncgcccggct gctgcagcag gaggttctgc 60
agaacgtctc ggatgctgag agctgttacc ttgtccacac cctgctggag ttctacttga 120
aaactgtttt caaaaactac cacaatagaa cagttgaagt cagggatnct nantncattc 180
tctan 185

<210> 2537
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<400> 2537
gcccactngt ccgcccggat attaatagtc ttggaaagcg gtttctacag ctgctgcttt 60
gcctgcaaat agcaatgctt ttcccaaaca tgcacataac actgccttct cttaacgaga 120
acctccaaaa taaacaatag tcacccttga cctactaaac agtcatcaca tagagatgag 180
tttttatcct caccttcttg cttcttcagt gaacaagtag taacaagcag cttctggatg 240
tgcctngaac tgacttggna taccaatggt tgccaaaaat gnataaagng caaattgaaa 300
aacacaggag actacatcta tatcagtgac acatttttctt tccttttctta cagggttttg 360
gaaattggcc atctgcatgg caaagaccga tctttctctg nctcaccaac ctgacaaaaa 420
aggtgtgcca agggacttna tcttacctat cagtgatgtc cgggccagca tangtgcttg 480
gggtcaatta cctttggtcg gaacngngca ccactgacat natggctcgg ntggactctg 540
gaaagangaa aatggtggac atgtttgggc ataaa 575

<210> 2538
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<400> 2538
gggagaccag cctacagcnt tntgcttntg tatccagcgc caggtcccgc cagtcccagc 60
tgcgcgcgcc ccccagtccc gcacccgttc ggcccaggct aagttagccc tcaccatgcc 120
ggtcaaagga ggcaccaagt gcatcaaata cctgctgttc ggatttaact tcatcttctg 180
gcttgccggg attgctgtcc ttgccattgg actatggctc cgattcgact ctcagaccaa 240
gagcatcttc gagcaagaaa ctaataataa taattccagc ttctacacag gagtctatat 300
tctgatcgga gccggcgccc tcatgatgct ggtgggcttc ctgggctgct gcggggctgt 360
gcaggagtcc cagtgcatgc tgggactgtt cttcggcttc ctcttggtga tattcgccat 420
tgaaatagct gcggccatct ggggatattc ccacaaggat gaggtgatta aggaagtcca 480
ggagttttac aaggacacct acaacaagct gaaaaccaag gatgagcccc agagggaaac 540
gctgaaagcc atccactatg cgttgaactg ctgngggntn ggctgggggg cgtggaaaca 600
agnttatctc aagaaaatnt ggccccaa 628

<210> 2539
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<400> 2539
gcgtggagtn gaactctccn nggnatcgnt ntctacttca gatcttgctc agttttgctt 60
ccggtgggct cctgggagat gctttcctgc acctnattcc tcatgctctt gaacctcatt 120
ctcaccacac tctggagcaa cccggacatg gacactccca cagtggccag ggccccattc 180
tgtctgtggg actgngggnt ctcagnggaa ttgntgcctt tnttgacgtg gagaaatttg 240
ngagacatgt gaaaggagga catggtcaca gtcatggaca tggacacgct cacagtcata 300
cacgtggaag tcatggacat ggaagacnag agcgttctac canggagaag cngatctcag 360
aggaagaaga ttaggaaacn agaagggttc aaaaaaannng aagaaggaac acagtaccca 420
agatggccca ngagaactca gaacgctgna aa 452

<210> 2540
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<400> 2540
gganngatat agagtttatc tacacggccc cctcctcggc agtgtgtggg gtctcgctgg 60
acgttggagg aaagaaggaa tatctcattg caggaaaggc cgagggggac ggcaagatgc 120
acatcaccct ctgtgacttc atcgtgccct gggacaccct gagcaccacc cagaagaaga 180
gcctgaacca caggtaccag atgggctgcg agtgcaagat cacgcgctgc cccatgatcc 240
cgtgctacat ctcctccccg gacgagtgcc tctggatgga ctgggtcaca gagaagaaca 300
tcaacgggca ccaggccaag ttcttcgcct gcatcaagag aagtgacggc tcctgtgcgt 360
ggtaccgcgg cgcggcgccc cccaagcagg agtttctcga catcgaggac ccataagcag 420
gccttcaacg cccctgtggc caactgcaaa aaaagccttc aagggtttcg actggtccag 480
ctctgacatc ccttcttgga aacagcatga ataaaacact catcccatgg gttccaaatt 540

aaanaatnnn n 551

<210> 2541
<211> 669
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (608)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (615)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (623)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

<400> 2541
gaccgcgcgc tcgccccgcc gctcctgctg cagccccagg gcccctcgcc gccgccacca 60
tggacgccat caagaagaag atgcagatgc tgaagctcga caaggagaac gccttggatc 120
gagctgagca ggcggaggcc gacaagaagg cggcggaaga caggagcaag cagctggaag 180
atgagctggt gtcactgcaa aagaaactca agggcaccga agatgaactg gacaaatact 240
ctgaggctct caaagatgcc caggagaagc tggagctggc agagaaaaag gccaccgatg 300
ctgaagccga cgtagcttct ctgaacagac gcatccagct ggttgaagaa gaagtttgga 360
tcgtgcccaa gaancgttct ggcaacagct ttgcagaaac ttggangaag cttgagaagg 420
cagcagatga gagtgagaga ngcatgaaag tcattgagaa gtcgagccca aaaagatgaa 480
gaaaaaatgg aaattcagga gatccaactg aaagaagcaa agccattgtt aanatccgac 540
cggaatntna anagggggcc gtaactggca ttattgaaag gactggaact gcaaaagacg 600
gctgactnta aaagnaatgg ccnacttgaa aaaattgaaa ctgggcnaaa ctgancctgg 660
agttaggtt 669

<210> 2542
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 2542
gtcgacctct gctgcagccc gtgccgccgc cgcctcctgg gaagagagga agcgggagag 60
gagcccacgt cgcctgtcac ccaatatctc canccgcgca gtcccgaata gtgtaagatg 120
ttcgcctgcg ccaagctcgc ctgcaccccc tctctgatcc gagctggatc catagttgca 180
tacagaccaa tttctgcntc agtgtttatc tcgaccagaa gctaatanga ctggaaaagg 240
ctcttncggt atttaatggg gcccaaatgg ttttttcttc aanttatccc caagggattt 300
tccaaancna 310

<210> 2543
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<400> 2543
gtgagaacgt attaaaaact tctgggaaac tacgggagaa ccttcttcac ggtgccttgg 60
aacactatgt taattgcctg gatctggtaa acaagaggct acctatggc cttgctcaga 120
ttggagtgtg ttttcatcct gtttttgaca ctaagcagat acgaaatggt gttaaaagta 180
ttggtgagaa gactgaagct tcgttagtat ggtttactcc tccgagaact tcaaaccagt 240
ggcttgattt ctggttacgt catcgactcc agtggtggag aaagtttgcc atgagtccat 300
ctaacttcag cagcagtgac tgtcaggatg aagaaggccg gaaaggaaac aaactttact 360
acaattttcc cctggggaaa ggagttaata gaaaccctgt ggaacctaag agatccgaac 420
ttttacacat gtatcctggc aatgnggcta aattaccatg gccgaaatgg acgaaaaaat 480
gnggntcctt ggggtcctct ctggaaatgg ggacctanac ccgaggcatg ctgnctaact 540
ntatgattct ttt 553

<210> 2544
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<400> 2544
gccanaacac attcgtcgta actntacatc tgntggggat catatcataa ttgatggnnt 60
ncacgcanaa tnnccanatg acttggngcg agaagctgnt tataaaattt ttctttatcc 120
caatgctggt caattgaaat gtntataaga attgctcagc agcaganatc ttntggcaaa 180
gtnggngggg nattccangn nttctcacag ggctctncaa ggaacgatag ctnanaatnc 240
agagactgac atgcaggtcc ttgaaaaact atctggcaaa cttnntgaaa ganctctgaa 300
agattttnag atgatacgan ggatgaaant gaaactgaat cctcaaaatt ccnaagtaat 360
gccntgggac ccccnttact acagtggtgt gattcgtgca gaaaggtnta atattgagcc 420
cagcctatat tgcccgnntt tctntcttgg agcatgcatg gaaagcctga atattn 476

<210> 2545
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<400> 2545
cgtacangag ctganggnga gcgcgcctgc aggtcgacac tagtggatcc aaagantgtc 60
ngcacagttt tctctcttgg agcatgcatg gaaggcctga atattttgct taacagactg 120
ttggggattt cattatatgc agagcagcct gcaaaaggag aggtgtggag cgaagatgtc 180
cgaaaactgg ctgttgttca tgaatctgaa ggattgttgg ggtacattta ctgtgatttt 240
tttcagcgag cagacaaacc acatcaggat tgccatttca ctatccgtgg aggcagacta 300
aaaggaagat gggagactat ncaactccca gttgtaagtt cttatgctgg aatcttcccc 360
gttcccgnna gggagttctc caactttggc naangcctgg gcatgatggg aaaacctttc 420
ccaggagggg ggac 434

<210> 2546
<211> 591
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<400> 2546
gctntgtcct cgctctggga atcaaaaccc cggntgggaa ctgaggcttc cgaactgctt 60
ccaaccctgg acacgaaggc ccccaccggc cggagaacga aaccctgggg tcgtctgaag 120
aggagggcca ggagtcccca gggccagaca gcgaagcccc agagctgctg cggagctgaa 180

caccgaggtc cccaagccct ccgcaaagga cgtggagatc ctggagcaag agagcgaagt 240
cctcgagcca tcagtcgagc aggacgcaga gagccccggg ctgtccacag ctgcgggctt 300
tgagagtcct gagccaggca gagacgaccc tgggccgtcc gaagcgcaaa gggcggaggt 360
ccaggggcag catccccctc caggccctaa gacctcctnc tccaggtcag gctcggaagc 420
cccccacctg cgttttccgc cgtgccccga ggctncccag cgtcccccgg aggagcggtt 480
catggagacg cccatcgagc gcgaaatccg ccggagctgc gaacgcnang agaagctgcg 540
cccgaacccg ggccttagcc cggccgngca agccgtgaac tcgtnnaact t 591

<210> 2547
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2547
ggttcaagag agagacaggg gttgatttga ctaaagacaa catggcactt cagagggtac 60
gggaagctgc tgaaaaggct aaatgtgaac tctcctcatc tgtgcagact gacatcaatt 120
tgccctatct tacaatggat tcttctggac ccaagcattt gaatatgaag ttgacccgtg 180
ctcaatttga agggattgtc actgatctaa tcagaaggac tatcgctcca tgccaaaaag 240
ctatgcatga tgcagaagtc atcttgagtg acatangaga agtgantcct gtgngtggca 300
tgactaggat gcccatgttc ngcagactgn c 331

<210> 2548
<211> 558
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<400> 2548
gctcgggagn tgaccaagaa gttgcgggaa caggggtctc tgctggggaa gctggtccag 60
aatggaacag aaccttcatc cctgccattc ttggacccca atgcccgccc cctggtacca 120
gaggtctcca ttaaggtaca gaggtagagt gggagagtgt tgcaagctct agcacagtag 180
ttatattctg cccacaattg gggggtgaac acaggagaga atcaaaggag gctttgaagg 240
taggagttgg tgcaggcata tcttataccc actgagcaca gctgccaact gttgcccttt 300
attcgtctat ttctcagact ccacgggtat tcaatacagg gggtgcccct cggatccttg 360
ctttggactg tggcctcaag tataatcaga tcgatgcctc tgcancgtgg ggctgangca 420
ctgtngtacc ctgggacatg cactanacag ccaaantttg agggctcttc ttaagtatgg 480
gctggtgacc tgctctattc catgcgnatc cactgancgg tttattganc tatnccgact 540
gntttggact gctggcac 558

<210> 2549
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<400> 2549
gcgactncat tgngganaga attnaccaag ngtngcagtn tgcnggnnnc cancacactt 60
tnatnggtgt ttnggacatt tatggtttcg aaacctttga tgtgaacagc tttgaacaat 120
ttgcncccaa attacgctna tgaaaaactg caacaacagt ttaacatgca tgtcttcaaa 180
ctggaacaag aagaatacat gaaggaagat ataccttgga cgctgataga tttttatgac 240
natcaaccag tttttgacct gattgaanca aaatgggaat cctgganttt ctggatnaaa 300
aatntttgtt tcc 313

<210> 2550
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<400> 2550
agggnaagct ggtacgcctg caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc 60
gcccatnntt ccgctagctt tctccgatta taaacaacac tgnnctgaac atccttgtgg 120
cacggtcttt gctcacatgc agggttattt tgccagtgct ggttcctgga aaaaaaatag 180
ttgggcagag aatgtacaca cttttgggac tcgtaatgcc tctcctggga aaggcggggc 240
ccgtcttctg ctcccccaac agtgtgggaa acggtaccct ctcccttgct gggcagcaag 300
cacctcttcc cagtgctgat ggaatcttgg tgcctctcgc cctcagctgc acagaagctc 360
tgccgcctct tgggactggg ggtgacggat ttctcccgag ccttgctcac ccctcgcatc 420
aaagttggcc gagactatgt gcagaaagcc cagactaagg aacaggtang cggngctggc 480
ggngggcaan gcacanaaag agccg 505

<210> 2551
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<400> 2551
ctngaagatt tgcatgactt gctagcttca ttgntgaata atgcatntga tgactatcta 60
aatgccatga tnagtgaggc tccaatgccc atcagntttg ccatgttcct naccatgtt 119

<210> 2552
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 2552

gaaagtgctg atgaggaatc tggctctgcc tgaggacgtc cgagggaagt gcacgagcct 60
gctgcagctc tatgatgcct ccaacagcga gtggcagctg gggaagacca aggtctttct 120
tcgagaatcc ttggaacaga aactggagaa gcggagggaa gaggaagtga gccacgcggc 180
catggtgatt cgggcccatg tcttgggctt cttagcacga aaacaataca gaaaggtcct 240
ttattgtgtg gtgataatac agaagaatta cagagcattc cttctgagga ggagattttt 300
gcacctgaaa aaggcagcca tagttttcca gaagcaactc agaggtcaga ttgctcggag 360
agtttacaga caatttgctg gcagagaaaa gggagcaaga anaaaaaaaa a 411

<210> 2553
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<400> 2553
gaacagctta gcaaaggaaa ctttggagcc cctctctcag gcagcctggt tgcttcaggt 60
caagaagacc acagacagtg atgccaaggn gatctacgaa cgctgcacct cactgtctgc 120
tgtgcagatc ataaagntcc ttaattcata cacacctata gatgactttg agaagagagt 180
gactccatcc tttgttcgca aagtacagg 209

<210> 2554
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<400> 2554
ggcaaaaggt acatcaaggc actggcagaa gaaaacagga atgtggtgga tgggccatac 60
gctggagtca tgacagctta tgatctgaag aaaacccttg ctgtgttatt agataacatt 120
ttgcagcgca ttggcaagtt ggagtcgaag gtggacaatc ttgttgtcaa tggcaccgga 180
acaaactcaa ccaactccac tacagctgtt cccagcttgg ttgcacttga gaaaattaat 240
gtggcagata tcattaacgg agctcaagaa aaatgtgtat tgcctcctat ggacggctac 300
cctcactgtg agggaaagat caagtggatg aaagacatgt ggcgttcaga tccctgctac 360
gcagactatg gagtggatgg atccacctgc tctttttta tttacctcag tgaggttgaa 420
aattggtgtc ctcatttacc ttggagagca aaaaatccct acgaagaagc tgatcataat 480
tcattggcgg aaattctaca gatttttaat attctctaca gtatgatgaa aaaagcatga 540
aanaattccn ggtggatgag actacggatc cggcnaaatg gctnacncat ggatccaagc 600
aat 603

<210> 2555
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 2555
gcgtgtcggg acgtgcggag gctctcactt tccgtcatgg cgctgaagga acaaacaatt 60
cctccgtccg ctaagtatgg cgggcggcac acggtgacca tgatcccagg ggatggcatc 120
gggccagagc tcatgctgca tgtcaagtcc gtcttcaggc acgcatgtgt taccagtgga 180
ctttgaagag gtgcacgtga gttccaatgg ctgatgaaga ggacattccg caatggccat 240
catgggccat ccgccgggaa ccgcgtgggc ccttgaaggg gcaacattcg aaaccaacca 300
ttaaccttgc caccgttcgc acaaatcttc gaaacaacat nctttcggca ncagcttngg 360
acntctattg ccaacgttca ttccattgtt aagagccttt ccaggcgtng gttgaaccgg 420
gcacaaggac ttngacatnc tcccattgtt ccgggganaa caanaggggg a 471

<210> 2556
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 2556
gcaatactca tcattaataa tcataatggc tatagcaata aaactaggaa tagccccctt 60
tcacttctna gtcccagagg ttacccaagg cacccctctn acatccggcc tgnttcttct 120
cacatgacaa aaactagccc ccatctcaat catataccaa atctctccct cactaaacgt 180
aagccttctc ctcactctct caatcttatc catcatagca ggcagttgaa gtggattaaa 240
ccatcccagc tacgcanaat ctnaacttac tcctcaatta cccacatang atgaataata 300
ncagtcctnc cgtacaacct ac 322

<210> 2557
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 2557
gcaacaatat actctccgga caatgaacca taaccaatac taccaatcaa tactcatcat 60
taataatcat aatggctata gcaataaaac taggaatagc ccccttcac ttctgagtcc 120
cagaggttac ccaaggcacc cctctgacat ccggcctgct tcttctcaca tgacaaaaac 180
tagcccccat ctcaatcata taccaaatct ctccctcact aaacgtaagc cttctcctca 240
ctctctcaat cttntccatc atagcaggca gtttnangtg gattaaacca aacccagctt 300
cgctaaatct tagnatactc ctccaattan ccacatggga atgaaattat agcaggttct 360
tacggttana accctaacat taacngtcct gaattttaac ttntttnttt tatccctga 419

<210> 2558
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 2558
gggacaatga accataacca atactaccaa tcaatactca tcattaataa tcataatggc 60
tatagcaata aaactaggaa tagccccctt tcacttctga gtcccanaag ttacccaagg 120
cacccctctg acatccggcc tgcttcttct cacatgacaa aaactagccc ccatctcaat 180
catataccaa atctctccct cactaaacgt aagccttctc ctcactctct caatcttatc 240
catcatanca ngcagttgan gtggattaaa ccaaacccag ctacgcaaaa tcttagcata 300
ctcctcaatt acccacatan gatgaataat aacagttcta ccgtacaacc ttacataacc 360

attcttaatt taactattta tattatccta actactancg cattcctact aatccactta 420
aaatccacan cacgaancta ctactatctc ncaccttaaa aaactttnat taaatacacc 480
cttattcctc c 491

<210> 2559
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 2559
gaatatactc tccggacaat gaaccataac caatactacc aatcaatact catcattaat 60
aatcataatg gctatagcaa taaaactagg aatagccccc tttcacttct gagtcccaga 120
ggttacccaa ggcacccctc tgacatccgg cctgcttctt ctcacatgaa caaaaactag 180
cccccatctc aatcatatac caaatctctc cctcactaaa agtaagcctt ctcctcactc 240
tctcaatctt ttccatcttn ncaggctntt anggtggatt naaaccaacc 290

<210> 2560
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 2560
gctcgtgccg aattcggcac gagcttctcc tcactctctc aatcttatcn atcatagcag 60

gcatttgang tggattaaac caaanccagt tacgcaaaat cttancatac tcctcaatta 120
ccacatanga tgaataatag cagttctacc ntacaaccnt aacataacca ttcttnattt 180
aactatttat attatcctaa ctactaccgc attcctacta ctnaacttaa actccagcac 240
cacgacccta ctactatctc gcacctnaaa caagctaaca tgactaacac ccttaattcc 300
atccaccctc ntctccctag gangcctgcc cccgctaacc ggctttttgc ccaaatgggc 360
cattatcgaa gaattcacga cnaacnatag cctcatcatc cccaccatcn ttgnccacat 420
cacctcctta aactctaatt ctaactacgc ctaatctact ccacctcaat tacacttact 480
cccatntctt aanaacntna aaataaatgg acgttggaac attcaaaacc cacccattct 540
ccccacactc aaanacttaa cacgtt 566

<210> 2561
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<400> 2561
gaatcaacac cctcctagcc ttactactaa taattattac attttgacta ccacaactca 60
acggctacat agaaaaatcc acccccttacg agtgcggctt cgaccctata tcccccgccc 120
gcgtcccttt ctccataaaa ttcttcttag tagctattac cttcttatta tttgatctag 180
aaattgccct ccttttaccc ctaccatgag ccctacaaac aactaacctg ccactaatag 240
ttatgttcat ccctcttatt aatcatcatc cttagcccta antctggcct atganttgac 300
taccaaaagg attagantgg aaccgaattn n 331

<210> 2562
<211> 539
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 2562
ncaaacccta gacaaaacac atngcctacc cctncnttgt actatcccta tgaggcataa 60
ttataacaag ctccatctgc cnacgacaaa cagacctaaa atcgctcatn gcatactctt 120
caatcagcca catagncctc gtagtaacag ncattctcat ccaaaccccc tgaagctnca 180
ccggngcagt cattctcata atcgcccacg gacttacatc ctcattacta ttctgcctag 240
caaactcaaa ctacgaacgc actcacaggc gnntcataat cctctctcaa ggacttcaaa 300
ctctactccc actaatagnt ttttgatgac ttctagcaag cctcgctgan ntcgncttac 360
cccccantga ttaacctact gggagaactc tctgtgctag taaccacgtt ctcctgatca 420
aatatnactc tccngntnac aggactcaac atactaatcg cagggcctgg tgctccctct 480
aacatatntc gcacaaacgn aaatgggggg gtcaantcac ccaanccaca tttgaacng 539

<210> 2563
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<400> 2563
gatcataatg gctatancaa taaaactagg aatagccccc tttcacttct gagtcccaga 60
ggttacccaa ggcnacccct cctgaaattc cggcctggct tccttctcac attgaacaaa 120
aaaactaagn cccccaatct caattcanta ttaccaaaat tcttcttccc ctccaactta 180
aaaacgntta angcccnttc cttccctcca acttccttct tcnaaattcc tttaattccc 240
attccaatta agccaagggg gcnngntttg aaaagggttg gggaattnna aaaaccccaa 300
aaancccccc aagcntttnc ccgccaaaaa aattcctttt aannccaatt aacctnnccc 360
tnccaaattt ttaacccccc nccctttttg gggnaattgn aaaantttaa nttaangcca 420
aggtttnccc ttacccgggt ttaccaaaan ccc 453

<210> 2564
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<400> 2564
gcctctgagc aaggtccctc tgcagcanaa cttccaggac aaccaattcc aggggaagtg 60
gtatgtggta ggcctggcan ggaatgcaat tctcagagaa gacaaagacc cgcaaaagat 120
gtatgccacc atctatgagc tgaaagaaga caanagctac aatgtcacct ccgtcctgtt 180
tangaaaaag aagtgtgact actggatcan gacttttgtt ccangttgcc ancccggcga 240
gttcacgctg ggcaacatta ananttaccc tggattaacn anttacctcg tccgagtngt 300
gancacaact acnaccagca tgctntggtg ttcttccaaa aaatttctcn aaacanggaa 360
ttcttccana tcacccctcn ggaaaaacca ngaacttgac ttccggaact taaaggaaaa 420
acttcctccc cctcctccca attctcctgg gcccccttaa aaaccactct ccttcccttt 480
tcccattcca acantttttt naaanggtga attttnangt ttccccc 527

<210> 2565
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 2565
gcagggtttc tgtgtgttgg gtgncggggg gggtgaaagc cacccaggga ggcagccaaa 60
ggaaanaagg acatctggtg ctggagggtc tgagtggggt ccaggggccc caggcaggcc 120
aggagggaca gcctggtgtc agctcaggga gaaggcccag gcccatctcg gctgggtggg 180
gtagggcccc tccaggtagt gggggatgag ctgtcacggg ttgggccgga ctgagagcaa 240
cagaaccctg ctgctgccct ggccccacct tgtccagcac aggaggccca agcctgggtt 300
gtctcccctc tcacccaccc atctctccct cccaaggaaa aagaagtgtg actactggat 360
caggactttt gttccangtt gccagcccgg cgagttcacg ctgggcaaca ttaanagtta 420
ccctggatta acgagttacc tcgtccgaat ggtgagcacc aactacaacc agcatgctat 480
ggtgttcttn aanaaagttt ctnaaaacag ggaagtactt naagaacacc ttttacngga 540
gaaccaa 547

<210> 2566
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<400> 2566
ccancctca ctaagggaac aaagctggng ctccaccgcg gtggcggccg ctctagaact 60
agtggatccc ccgggctgca ggaattcggc acgaggggtc ccgggcgcgt ttcgggtgct 120
ggcggctgca gccgagttca aacctaagca gctggaaggg ccctgtggct aggtaccata 180
gagtctctac acaggagtaa atcagcctgg tgtgcagggg aggcagacac acaaacagaa 240
aattggacta cagtgctaag atgctgtaag aagaggttaa ctaaaggaca ggaagatggg 300
gccaagagat ggtgctactg tctactttag ggatcgtctt tcaaggcgag gggcctccta 360
tctcaagctg tgatacagga accatggcca actgtgagcg taccttcatt gcgatcaaac 420
cagatggggt ccagcggggt cttgtgggag agattatcaa gcgttttgag cagaaaggtt 480
ccgccttgtt ggtctgaatt catgcaagct tccgaagatc ttctcaagga acactacgtt 540
gacctgaagg accgtccatt ctttgccggc ctggtgaaat acatgcactc agg 593

<210> 2567
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<400> 2567
gctggaagca ctgttcagcg atgtcaacat gcaggaatac cccgatttaa ttcacattta 60
taaaggcttt gaaaatgtaa tccatgacaa attgcctctc caagaaagtg aagaagaaga 120

gagggaggag aggtctggcc tccaactaag tcttgaacaa ggaactggtg aaaactcttt 180
tcgaagcctg acttggccac cttcgggttc cccatctcat gctggtacaa ccccacctga 240
aaatggactc tcagagcacc cctgtgaaac agaacagata aatgcaaaga gaaaagatac 300
aaccagtgac aaagatgatt cgctaggaag ccaacaaaca aatgaacaat gtgctcaaaa 360
agctnagccn acagaagtct gcgaaccaat tgnttnncca agtgaaatat ggggat 416

<210> 2568
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<400> 2568
gttcacctca ctaaggganc aaaagctgga gctccaccgc ggtgcggccg ctctagacta 60
gtggatcccc cgggctgcag gaattcggca cgagattccg tcctgcgcgg ttgttctctg 120
gagcagcgtt cttttatctc cgtccgnctt ctctcctacc taagtgcgtg ccgncacccg 180
atggaagatt cgatggacat ggacatgagc cccctgaggc cccagaacta tcttttcggt 240
tgtgaactaa aggccgacaa agattatcac tttaaggtgg ataatgatga aaatgagcac 300
cagttatctt taagaacggt cagtttaggg gctggtgcaa aggatgagtt gcacattgtt 360
gaagcagagg caatgaatta cgnaggcagt ccattaaagt aacactggca actttgaaaa 420
tgtctgtaca gccaacggtt t 441

<210> 2569
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2569
gagaaaagca gggaacatga gatcgatggg cgatctattt ccctgtacta tactggagag 60
aaaggtcaaa atcaagacta tagaggtgga aagaatagca cttggagtgg tgaatcaaaa 120
actctggttt taagcaacct ctcctacagt gcaacagaag aaactcttca ggaagtattt 180
gagaaagcaa cttttatcaa agtaccccag aaccaaaatg gcaaatctaa agggtatgca 240
tttatagagt ttgcttcatt cgaagacgct aaagaagctt taaattcctg taataaaagg 300
gaaattgagg gcagagcaat caggctggag ttgcaaggac ccaggggatc acctaatgcc 360
agaagccagc catccaaaac tctgtttgtc aaaggcctgt ctgaggatac cactgaagag 420
acattaaang gagtcatttg acggnttccg nttcgggcca aggatagttt actggcccgg 480
ggaaaactng ggtncctccc aaaggggttt tgggtttttg 520

<210> 2570
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<400> 2570
gcagcggctc cnggttctgg aaggccctga ccttcatggc cgtcggagga ggactcgcag 60
tcgccgggct gcccgcgctg ggcttcaccg gcgccggcat cgcggccaac tcggtggctg 120
cctcgctgat ganctggtct gcgatcctna atgggggcgg cgtgcccgcc gggggggctag 180
tggccacgct gcagagcctc ggggctggtg gcagcaaagt cntcatangt aatattggtg 240
ccctgatggg ctacgccacc cacaantatc tcgatagtga ggaggatgan gagtanccag 300
cagctnccan aacctcttct tccttcttgg cctaactctt ccagntagga tctagaactt 360
tgcctttnat ttttttttta ttttttttg aaananggtt ctcactatat tgncag 416

<210> 2571
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<400> 2571
tcacacgcct gcagttcacc accaccgtgg tctcttgctg tcccgcggan tgcagactga 60
agggagcaac ggcaagaaag aagtgctgag cggtttccaa gtggtgctgg aagacacagt 120
gcttttccct gagggcgggg gacagcctga tgaccgtggt acaatcaatg acatctctgt 180
gctgagagtg actctgtgct gagagtgact cgncgtgggg aacaggctga tcatttcacc 240
cagacacccc tggntccagg aagccaggtt ctngtccgng tagattggga gcggaggttt 300
gaccacatgc agcagcattc agggcagcat ctcatcacgg cagttnntga ccatctattt 360
aagctgaaga caacatcatn ggagttaggg agatttcgga gtgcgattna gctggacacc 420
ccctctatga ct 432

<210> 2572
<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (614)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (663)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (687)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

<400> 2572
gcaaagactt gcccacctga ataagtgctt gatgaacttt aagctaggga atttcagcta 60
tcaaaaaaac ccactgaaat tgggagagct tcaaggaaac cacttcactg ttgntctcag 120
aaatataaca ggaactgatg accaagtaca gcaagctatg aactctctca aggagattgg 180
atttattaac tactatggaa tgcaaagatt tggaaccaca gctgtcccta cgtatcaggt 240
tggaagagct atactacaaa attcctggac agaagtcatg gatttaatat tgaaaccccg 300
ctctggagct gaaaagggct acttggttaa atgcagagaa gaatgggcaa agaccaaaga 360
cccaactgct gcctcagaaa actacctgtc aaaagatacc cagaaataat cgcttaatgt 420
atattcatag ctaccaaagc tatgtgtgga ataacatggt aagcaagagg atagaagact 480
atggactaaa cctgttccag gggacctcgn tctcaaagga ccccagcccc tatattgagg 540
aagatgatgt aataattact ctatncatga tgtgggaatg ccttgcctgg tttcgatggt 600
atctacccca agcnttaaaa ttcaagaagc ctacngggaa atgctcccag ttgacaatct 660
ganatggcca cctgagaccc aaaatcnnaa ttt 693

<210> 2573
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 2573
tcgaggctga cgttgacggt gttgataatg agatcaaact gccccgccag tgctttcagt 60
gcctgcggat cgcggctatt caccacttta tcggcaccca tcgccagcac ttcctgctct 120
ttcgccggat tagaactaaa ggctgtcacc tcgcatccca ttgcgtgcag aagttttata 180
gcgatatgcc ccagcccgcc aataccaatt accccaacgc ggctggtagc agtgcatatg 240
gtgcatcaac agtggtttaa agaccgtgga taccgncgca caacagcggc cccggnggac 300
tcgatatcca atatttttct gggcagtggg attcacccat tgnccatncc gnacggaant 360
tttnggcaag ccaccgggat ttcaaatcgt ggggnaccga acttgtt 407

<210> 2574
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<400> 2574
ggcanagnaa acagaaaact gcaaaatatt gatgacaaaa attaaagaag acataaataa 60
atggagaaat ataccatgct catggattgg aagacttaca ttgctaaact gtcacttctc 120
cccagatgga tctacagagt ccacataatc tcacttaaaa ctccagaaga aatttttatg 180
aaagttgaca gctgattcta aaattttaca tagaaatgca aaggtctccg aatagtcaaa 240
acaattagga aaaggaaaaa caagttggaa gacttacttt ccggctgggt taaaggtgga 300
ctacacagtt acagtaatca gataggttgg tattaggttg gacagttgtt tcattggatt 360
ggntgcgggt tttggattng acncacacng aattgtncct tggtttttta atagt 415

<210> 2575
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<400> 2575
ggcagcggcg gcggcgcgga gagacgcagc ggaggttttc ctggtttcgg accccagcgg 60
ccggatggtg aaatcctccc tgcagcggat cctcaatagc cactgcttcg ccagagagaa 120
ggaaggggat aaacccagcg ccaccatcca cgccagncgc accatgccgc tnctaagcct 180
gcacagnccg nng 193

<210> 2576
<211> 469
<212> DNA
<213> Homo sapiens

<400> 2576
gaaacagagt ccagagctgg tgaagaagca caagaaaaag agggttgtcc ccaaaaagcc 60
tccccccatca ccccaaccta cagggaaaat tgagatcaaa attgtccgcc catgggctga 120
agggactgaa gagggtgcac gttggctgac tgatgaggac acgagaaacc tcaaggagat 180
cttcttcaat atcttggtgc cgggagctga agaggcccag aaggaacgcc agcggcagaa 240
agagctggag agcaattacc gccgggtgtg gggctctcca ggtggggagg gcacagggga 300
cctggacgaa tttgacttct gagaccaaac agcagagtgg agctgagctg tggacctctc 360
gggcaactct gtgggtgtgg gggccctggg tgaattctgc tgcccctgct ggcagccacc 420
ttgagacctc accgggcctg tgattttgct ctcctgaact ctcactcaa 469

<210> 2577
<211> 347
<212> DNA
<213> Homo sapiens

<400> 2577
ttgtaattta aggatcgggg accaaaaatg tttaaagact aaatgtgttc acattactat 60
agatatgtct ataaggtgaa gattcttttc ttaggtatac aaatgtgatg ttgtatataa 120
atgggcttcc cacccacaaa tgcttattag cctaaaatgg cctgaaagct ctagtaatta 180
aattatttct ctgcgtccta atttttgtc tttgaaacag attatttaga aaatcatgta 240
cttcgcttaa gtttctaact tttacttgct ttttccagag ttatttatac caaatcctac 300
aggggattgt gttttgtcac tctagaagag ttcttcacag agactta 347

<210> 2578
<211> 330

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2578
gctcgtgccg aattcggcac gagcggcacg agtaagggtt cctgctttca cagaattatt 60
ccagggttta tgtgtcaggg tggtgacttc acacgccata atggcactgg tggcaagtcc 120
atctatgggg agaaatttga agatganaac ttcatcctaa agcatacggg tcctggcatc 180
ttgtccatgg caaatgctgg acccaacaca aatggttccc agtttttcat ctgcactgcc 240
caagactgat tggttgggat ngccaacatt tgtnnttttg ggcaaagttn aaaagaaagg 300
catgaatatt gttggaaagg ccatggaacn 330

<210> 2579
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<400> 2579
gatccaggcc gggcccgagc agtactcagc ctgagtaaac tcgttgcccg gaagccctga 60
cctggtggac tacaccctgt caancccagc acgtgctgnt ganacancca gaacccgcgg 120
cgggacgcac tgangagggc cntnagtcag tacctgacgg acagggttcn ctggagggac 180
tgaagacggc cgngcccacc atggcggcac aacancccc gatacccatg ccagtgtgtg 240
tgccaaggat cancggtcac cacccatgac tgctgccctc ggcacanggg cctngnccac 300
tggatgtgac cttcntccat cat 323

<210> 2580
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<400> 2580
gntttggggt catccccttt ggccacaaag tcactggcca tgtgctgcac atcctcctca 60
agatgacatt catcgtccaa cgaccggtgg ctgctgctcc cttaggctct cccaaccaca 120
gtttctccca attgctccaa atattcctca gcccagcagg tgggggaaat ggccaagggg 180
tctgtaactt cagaaatgaa tgattgggac cagtctgtct cattataatc ctgaattaca 240
tccacagcat ctccagctgc aagtcactct gggcccagtt ctcagacaag gccaagtcgg 300
ncacaccagg ggctctctgg ggagcctgga ggaagtttga ctcttnagtc tgctgcatct 360
cagccaggag ttcatccatc ttcaaggtct gaggggcacg ggatacaagg gtacactgtg 420
gtcctgcagg aattnaccca ccaattcatc ttnagaagct actcccaaag gctttggaga 480
ctgcctcaga ggctggggct cggaggcngn gcangggtca ngcgtcaggc cttagtgctt 540
ctgctg 546

<210> 2581
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<400> 2581
ncctgtggcg ggtgtgggga gcggagccca gagctcctgt ggggccgctg ctttggcggt 60
gggcccagcc gggagcagcc tctttcgaag gccgccgtga cctcttcaag ggcgtggaga 120
cgggaaggaa aaggccccgg ttggggttcc agggcgccgg taacgttaac cggcgccttg 180
cctgtcctct aaccgtcgct ccctcctccc ctagaaagat gttctcgtcc gtggcgcacc 240
tggcgcgggc gaaccccttc aacacgccac atctgcagct ggtgcacgat ggtctcgggg 300
acctccgcag canctnccca gggcccacgg gccanccccg ncgcctcgca acctgcagcc 360
gncgncgtgg aagagtacag ttgtgaattt ggctncgcga agtattatgc actgtgtggc 420
ttttggtggg gtcttaantt gnggtctgac acanactgnt ggggttcccc tggattta 478

<210> 2582
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2582
attcggcacn aggtgaaaag gggcttggtg ttaaggaatg aaaagtgcaa tgagaactat 60
accactgact tcattttcaa cctgtactct gaggagggga agggcatctt cgacagcagg 120
aanaatgtgc ttggtcacat gcagcagggt gggagcccaa ccccatttga taggaatttt 180
gccactaaaa tgggcgccaa ggctatgaac tggatntctg ggaaaatcaa aaaaaattac 240
cgtaatgggc ggatctttgc cnatactcca natccggctt tgttcttggg atacttaaaa 300
ngcctggtct tccancagtg gctgactgaa agacaacnat 340

<210> 2583
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<400> 2583
aaggtgaaag agctgaagag ggctaagacg gtgctcacgg tcattaaatg gaaaggggaa 60
aaatccaagt atccacagac ttcgccatgc agaatgttct gctgcagatg gggctgcacg 120
tgctggcggt gaacggcatg ctgattcgtg aggcccggag ctacatcttg cgctgccatg 180
gctgtttcaa gacaacgtct gacatgagcc gagtgttctg ctcacactgt gggaacaaga 240
ccctgaagaa atgtccgtga ccgtcagcga caacngcacc cttgcacatg cacttctccc 300
gcaaccccaa ggtgctgaac cccncgggct ccggtactcn cttcccactc ccaaanggga 360
gcaaataccc atcaacccca tctcnccaaa gatcacncnt ccctccactt gcaatctcca 420
aaaggccagg cnnaaaacca ctnttccccc taatactccc cg 462

<210> 2584
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 2584
cggtcgcccc caccggcccc atggcagccc ccggcgcccc agctgagtac ggctacatcc 60
ggaccgtcct gggccagcag atcctgggac aactggacag ctccagcctg gcgctgccct 120
ccgaggccaa gctgaagctg gcggggagca gcggccgcgg cggccagaca gtcaagagcc 180
tgcggatcca ggagcaggtg cagcagaccc tcgnccggaa ggccgcagct ccgtgggcaa 240
cggaaatctt caccgaacca gcagtgttct gagtatgtct acaacctaca cttgttgaaa 300
atgattttgt tggaggccgt tcccctgttc 330

<210> 2585
<211> 273
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<400> 2585
gctcgtgncg attcggcacn agacggggct cntcccattt atcccagtgg ctcaacaact 60
tntttgccct ccccttctcc nccatggctt cccancttga catgtctncc gtggtggggg 120
caggggnaaa gcatacncca gactcttgna acaagtgttc cncctgggga ctctgtcaca 180
agctccatag aagcctctca agtccnantg cctctggaaa gnctctccaa ttacattcnc 240
accaccctgt gccccaaaaa agggncccca tca 273

<210> 2586
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 2586
gctctgacag tgacaaagag tggattgctg ctctgcgtcg gaaatatcga agccgagagc 60
aaaccctgtc ctccagtggc gaaagctggg agactctgcc ggggaaagaa gagcgggaac 120
ctccacaggc taaggtgagt gccagcactg gcaccagccc tggccccggt gctagtgcca 180
gtgccggggc tggcgccggg gccaatgctg gcagcaatgg cagcaattac cttgaagaag 240
ttcgagaacc atctcttcag gaagagcagg catccctgga agaaggagaa attccttggc 300
tccagtacca tgagaatgac agtagcagtg agggggataa tgattctggt cacgagttga 360
tgcaacctgg ggtattcatg ctggatggaa acacaacctt gaagatgact tcagtgtgan 420
cgaagaccta naantggatt ggaaccttnt tgatggattt gcanatgggt taaggaatgg 480
ct 482

<210> 2587
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>

SDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 2587
gtctttgnac aatttaatgg gaaaagatgc accgacgctg tgggagacag acgacagtgt 60
gtgcccacag agccctgtga ggatgctgag gatgactgcg gaaatgactt tcaatgcagt 120
acaggcagat gcataaagat gcgacttcgg tgtaatggtg acaatgactg cggagacttt 180
tcagatgagg atgattgtga aagtgagccc cgtccccccct gcagagacag agtggtagaa 240
gagtctgagc tggcactaac agcaggctat gggatcaaca ttttagggat ggatccccta 300
agcacacctt ttgacaatga gttctacaat ggactctgta accgggatcg ggatggaaac 360
actctgacat actaccgaag accttggaac gtggcttctt tgatctatga aaccaaaggc 420
gagaaaaatt tcanaaccga acattcnaan aacaaattgn ancatttaaa agtatcat 478

<210> 2588
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 2588
ggaagaattc ctctgaaggg aacaagcatc acaagagtac acctctactc attcactgca 60

gggatggatc tcagcaaacg ggaatatttt gtgctttgtt aaatctctta gaaagtgcgg 120
aaacagaaga ggtagtggat atttttcaag tggtaaaagc tctacgcaaa gctaggccag 180
gcatggtttc cacattcgag caatatcaat tcctatatga ccgtcattgc cagcacctac 240
cctgctcaga atggacaagg taaagaaaaa caaccatcaa gaagataaaa ttgaatttga 300
taatgaagtg gacaaagtaa agcaggatgc taattgtgtt aatccacttg gtgccccaga 360
aaagcttctg aagcanagga acaggctgaa nntntgaacc cncgagtggt cttgatgggc 420
ca 422

<210> 2589
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<400> 2589
gcagngggac aacgccgctg tcgccctgct gcagcccttc ctggtggtca ccaaggaggc 60
ctttgacaga tcctttgagg tgaacctgcg tgcggtcatc caggtgtcgc agattgtggc 120
caggggctta atagcccggg agtcccaggg gccatcgtga atgtctccag ccagtgctcc 180
cagcgggcag taactaacca tagcgtctac tgctccacca agggtgccct gggacatgct 240
gaccaaggtg atggccctag agctcgggcc ccacaagctg tcccggtgta gatccgagtg 300
aatgcagtaa accccacagt ggtgatgacg tccatgggcc aggccacctg gagtgacccc 360
cacaaggcca agactatgct gaaccgaatc ccacttggca agtttgctga ggtagagcac 420
gtggtgaacg gcatcctctt tctgctgagt ga 452

<210> 2590
<211> 672
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (670)
<223> n equals a,t,g, or c

<400> 2590
ggacaatgnt tttctttaaa atactcagag gacaggatca ctgtggantc gaatcagaag 60
tggtggctgg aattccacgc accgatcagt actgggaaaa gatctaatct gccgtgggcc 120
tgtcgtgcca gtcctggggg cgagatcggg gtagaaatgc attttattct ttaagttcac 180
gtaagataca agtttcaggc agggtctgaa ggactggatt ggccaaacat cagacctgtc 240
ttccaaggag accaagtcct ggctacatcc cagcctgtgg ttacagtgca gacaggccat 300
gtgagccacc gctgncagca cagagcgtnc ttccccctgt agactggttg ccaactcctg 360
gaacactgac tgtggccccc ttcgtgatcc atncatcttc agggagcnag acatatgacg 420
caggaatgga aagcggagtt nctaacagga tgaaagttcc ccnatcantt cccccantnc 480
cttcaagcaa gtanctttcc acatttgtca cannaaatta tangananat gggtgttggg 540
agccctttn gagaacncca gtntttccag gcccctgcat ttatcgagtt ttgcaatggt 600
tacaanctt ttgatctgtg ttcaccntga attcttttaa tataaanttt ctttttctct 660
ctttatctnn tt 672

<210> 2591
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 2591
cncatatcnn agccccagca gcancgccca aagcaacccc aataacaacg ccatggccgg 60
gtggaaacgc ctacatcgac aacctcangg cggacgggga cctgtnagaa cgcggcatcg 120
tggctacaag gactcgccnt ccgtctggcc gccntccccg gnaaacgtnc ntaaanttaa 180
cncaagctga agtggtgtcc tggttggcaa aaaccggcaa gttttacttt aatggctgac 240
actttggggg ccagaaatgt tcggttnatc ccggaattaa ttgttncaag aatgggggaa 300
attnaccntg gaatttttтn tt 322

<210> 2592
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 2592
naaaaagggg tcactatgga gttcaaagga cagaactcct gcctggtgac cgggacaacc 60
tggccattca gacccggggt ggcccagaaa agcatgaagt aactggctgg gtgctggtat 120
ctcctctaag taaggaagat gctggagaat atgagtgcca tgcatccaat tcccaaggac 180
aggcttcagc atcagcaaaa attacagtgg ttgatgcctt acatgaaata ccagtgaaaa 240
aaggtgaagg tgccgagcta taaacctcca gaatattatt agtctgcatg gttaaaagta 300
gtcatggata actacattac ctgttcttgc ctaataagtt tcttttaatc caatccacta 360
acactttagt tatattcact ggttttacac agagaaatac aaaataaaag atcacacatc 420
aagactatct acaaaaattt tattatatat tttacngnaa gaaaaagcct tgcnttatca 480
ttaaaccaat taaaaatacc ttttttattn acancccc 518

<210> 2593
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<400> 2593
accaaactga gtgtgtgtgt gtgtgtttat tggggtgtgg catgaggcga gtgtgtaaga 60
cagagagcaa aagagctaca gaggccactc taagcagcag catcatgtga ccactaaaga 120
tttacacctg aaactaaata cagaatgttc tatctctaca gattccaaag gttttcctaa 180
aaatataacc aacaacaggg ggaaaaaaag atacccagat tccaaggacc tcacgatggt 240
gctgaaaacc tatgacacca gcttcctgga ctttctccag aaggtgtttg gtatggggaa 300
cctttctctt tcgcatggac cccgggacca ggccctccaa gcatggcttg ggattccntc 360
agtcttcggg aacctccaag ccacagccca ggccccagac cctggaggga antcccantt 420
ccttttttncc cctcttggag acaagggaag ggacaaggtt tccagggtng tcattcactc 480
ggagcagnaa aggcagatgg agattnancc aaagggattn ccaggggaaa ccaaag 536

<210> 2594
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 2594
gggtgnatgg ggtatttcac cacgtggngc tggctacaca tttggacaag acatttctga 60
aacctttaac catgccaatg gtctcacact ggtttctcgt gcccaccagc ttgtaatgga 120
gggatacaat tggtgtcatg atcggaatgt ggttaccatt ttcagtgcac ccaattactg 180
ttatcgttgt gggaaccagg ctgctatcat ggaattagat gacactttaa aatattcctt 240
ccttcaattt gacccagcgc ctcgtcgtgg tgagcctcat gttacacggn gcaccccaga 300
ctacttccta taaatttctc ctgggaaacc tgcctttgna tgtggaagta tacctggntt 360
tttaaaatat atgtatttaa aaacanan 388

<210> 2595
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<400> 2595
ggggactcct gacatagcca gctgctgtga aataatggaa gagcttacaa cctgccttaa 60
aaattaccga aaaaccttaa tacatagctg cttgtctcct actatacctg tctgacacaa 120
tatcaccaga gcaagccata gacagcctgc gagacctaag aggatccggg gcaatacaga 180
ccatcaagca atacaattat cttcatgagt ttcgggacaa attagctgca catctatcat 240
caagagattc acaatcaaga tctgtatcaa gataaaggaa ttcaaatagc atatatatga 300
ccatgtctga aatgncagtt ctctacataa tttggattga aatgaaacca ccagtggtat 360
caacttgaat gnaaatgtcc tgtgccnata ttcctaaggt ttattgccaa aaaaannn 418

<210> 2596
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 2596
gggcgccgag ccgcggtccg agcagaactg gggctccctt gcatcttcca gttacaaatt 60
cagtgccttc tgcagtttcc ccagagctcc tcaagaataa cggaagggag aatatgacag 120
atacctagca tctagcaaaa taatggcagc tgcttacctt gaccccaact tgaatcacac 180
accaaattcg agtactaaga ctcacctggg tactggtatg gaacgttctc ctggtgcaat 240
gggagcgagt attaaaggtc tttcattatt ttgaaagcaa tagtgagcca accacctggg 300
ccagtattat naggcatgga gatgctactg atgtcagggg catcattcag aagatagtgg 360
acagtcacaa antaaagcat tgtggnctgc tatggattcc cgcctcagtc ccttgcngtc 420
agatngaagg ttcactggnt tcac 444

<210> 2597
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2597
ggagaagctt ccaggaatac atggcccaaa tggagaagaa gttggaggag gaaagggaaa 60
accttctcag agagcatgaa aggctgctaa aacacaagct gaaggtacaa gaagaaatgc 120
ttaaggaaga atttcaaaag aaatctgagc agntaaataa agagattaat caactgaaag 180
aaaaaattga aagcactaaa aatgaacaag ttaaggctct taaagatcct tgacatggct 240
agcaacataa tgactgtcac tctacctggg gctttcaagc tacttggagt agggacaaaa 300

tgatcttggc tnacgtattn aagagcctna atattccagt taagaaantt ataatatnag 360
gt 362

<210> 2598
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 2598
cccacgcgtc cgcttgggct tctttgaagg ctctgtgctg ttccccgagc ccctgacatg 60
gatggataag ctggtggtgg agtacgccaa cgccatttgc caatgggagc gtaacaagtt 120
gcagtgctct gacacggagc aggtggaggc cgacctggag tgaggcctcc ggactctggc 180
acgctccaac agccctcctc tggaagctgc gtcccctcac cccctgtttc aggtctccca 240
tctccctcag tgacctggat ctgacctcac accatcagca gggggcaccc accatgcaca 300
cctgtctcgg antaagcaac tcttcctggg gnctccaggc tatttttgtt gcttaattac 360
tggttttctc cattgcattg ttaggcatgg tgacaantga cagaattctt gcctcttgtc 420
cagtttcaac atctggttgc ttttaaccaa ntacatctag 460

<210> 2599
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<400> 2599
aattcggcag aggcagaaca aggagcatgt gattgaggcc ctgcgcaggc anagttcaag 60
tttcctggcc gccagaagat ccacatctca aagaagtggg gcttcaccaa gttcaatgct 120
gatgaatttg aagacatggt ggctgaaaag cggnctgcat cccagatggc tgtggggtca 180
agtacatccc cagtcgtggg ccctctggga caagtggcgg gccctgcact ncatggaggg 240
ctttccaatg tgcttgcccc cctcttgaat acttcaccaa taaaattcta atttcctgtt 300
ccaaaaaaaa aaaaaaaaaa aattccgggg gggggcccgt aacccatttg gccccttagg 360
nggttgtttt t 371

<210> 2600
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<400> 2600
ggcagagtga attcantcag aactttatgt aagacctgat gacgtccatg taaacatccg 60
gctagtggag ttgtatcgct caactaaaag attgaaggat gctgtggccc actgccatga 120
ggcaagaagg aacatagctt tgcnttncaa gtttagagtg gaattcgtgt gttgtacaga 180
cccttaagtt ttgatagtgc tcttcagtct gcgaaatctt ctttgggtgg aaatgaatga 240
actgtgcagc taactttctt agaaatgaaa aggacatttc tatatgtnng cnggttctct 300
ggtncttgaa agntgggtcc agcatggtaa taatgttcca atggcgagct ctttctgagc 360
tgggnggctt tgngctatnt catagcattt cagtaagtnt tcccantgta ggggg 415

<210> 2601
<211> 251

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 2601
caccggggtt gactccgggg gcgcggcgag gagagacatg aggctgagct ggttccgggt 60
cctgacagta ctgtccatct gcctgagcgc cgtggccacg gccacggggg ccgagggcaa 120
aaggaagctg cagatcgggg tcaagaagcg ggtggaccac tgtcccatca aatcgcgcaa 180
aggggatgtc ctgcacatgc actacacggg gaagctggaa natgggacan agtttgacag 240
cagcctgccc c 251

<210> 2602
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<400> 2602
gggcagggat cccgtccgag ccccggcccc aagtaacgnc ggcggcccgg agccgncttg 60
gaggtccccc tncccactaa gtgcctcttt gcatagnacc agtccccacc cgnacggtct 120
ctggaccact acagntgnac gggcaanggc gggtcgggga ggcgcanacg gncccnatgg 180
nccanctgnt gggnacaaga tctgtcaatt taagctggnt ctnctngggg agtcttcggt 240
aggcaaatcc agccttgtcc tccgcttttt caagggncaa ttttacgngt accacgagag 300
cacaatttga gcgggctttc tnananagac ttttttcctt ggtgcaaaaa cagtcaaagt 360
tttaganttg gncaaaaatt ggcaaagagc ggtttanagc ttgcccccat gtatttttgg 420
gggcccagtt tcatctngct ttttaatacc acacagtnna ttttaagggc cagaattggt 480
taagggctta anggaagcca cccacaatgt aattnaa 517

<210> 2603
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

ENSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<400> 2603
aattcggcan agnagggaag cagcggctnn gcttcattnc atctgtggtg angtttaccc 60
ttctaaagaa aaactaggga tttagaggac gtttgggcac tgaacgcaan tttctgcata 120
ggaaacctag gngatccccc aaaagaggtc cctctggtag gccctcgaga tgctgctggc 180
ggcctggggg aaatcctcat tgacgattca atttgttgaa ggccaatttg tggactccta 240
cgatccaacc atagaaaaca cttttacaaa gttgatcaca gtcaaatgga cangattatc 300
atgttnaact tgtagacaca gccgggccaa gatgaatatt ctatcctttc cctcaggaca 360
tactccatag atattaatgg gttatantnc tnntgtantc ctgnnacacc attcaaaagg 420
tttgnagggg tttaagttat ccctgggcaa tngtgggtat ngtgggggaa ggacaataac 480
cnntttgttg gntggggntn agnag 505

<210> 2604
<211> 171
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<400> 2604
cccgnagaca cgggcaanaa ctngggtcta cttgaagctg aactctgaga ccgacgcaga 60
cacngaatgn gtattactgt gcgagacaca ccaaccagca ncacccganc tacaggatga 120
aacggtggat cgacccctgg ggccanggaa cccnggtcac cgacnactca g 171

<210> 2605
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<400> 2605
ggcgcggntg gaggtgtgag gatccgaacc caggggtgga ggcggctcct gcgatcgaag 60
gggacttgag actcaccggc cgcacgccat gagggccctg tgggtgctgg gcctctgctg 120
cgtcctgctg accttcgggt cggtcagagc tgacgatgaa gttgatgtgg atggtacagt 180
agaagaggat ctgggtaaaa gtagagaagg atcaaggact tcctgctcac agcccgacga 240
aaggatgcca aatctgtcaa gatcaagaaa aataaggaca acgtgaagtt taaagttcga 300
tgcagcagat acctttacac cctggtcatn actgacaaag agaaggcana gaaactgaag 360
cagtccctgc ccccccggtt tgcccagtga aggaactgaa atgaaccaga caacactgat 420
ttngaactgn cnttatatta aaatactaaa natcctaata tattcan 467

<210> 2606
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<400> 2606
ggcaggatca aggtgaaaag gagaacccca tgcgggaact tcgcatccgc aaactctgtn 60
tcaacatctg tgttggggag agtgganaca gactgacgcg agcagccaag gtgtnggagc 120

agctcacagg gcagacccnt gtgntttcca aagctagata cactgtcaga tcctttggca 180
tccggagaaa tgaaaagatt gctgtccact gcacagttct aggggccaag gcagaagaaa 240
tcttggagaa nggtctaaag gtgcgggagt atganttaan aanaaacaac ttctcagatn 300
ctggaaactt tgg 313

<210> 2607
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<400> 2607
gcgccatctt ccagtaattc gccaaaatga cgaacacaaa gggaaagagg agaggcaccc 60
gatatatgtt ctctaggcct tttanaaaac atggagttgt tcctttggcc acatatatgc 120
gaatctataa gaaaggtgat attgtacaca tcaagggaat gggtactgtt cnaaaaggaa 180
tgccccacaa gtgttaccat ggcataactg gangagtcta cnatgttacc cannatgctg 240
ttggcattgt tgtaaacaaa caagttaang gcaagattct tgccaagaga attaatgtnc 300
gtattgagca cattaancac tcta 324

<210> 2608
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

<400> 2608
ncgccgaaag cgaagaagga agctcctgcc cctcctaaag ctgaagccaa agcgaaggct 60
ttaaaggcca agaaggcagt gttgaaaggt gtccacagcc acaaaaagaa gaagatccgc 120
acgtcaccca ccttccggcg gccgaagaca ctgcgactcc ggagacagcc caaatatcct 180
cggaagagcg ctcccaggag aaacaagctt gaccactatg ctatcatcaa gtttccgctg 240
accactgagt ctgccatgaa gaagatagaa gacaacaaca cacttgtgtt cattgtggat 300
gttaaagcca acaagcacca gattaaacag gctgtgaaga agctgtatga cattgatgtg 360
gccaaggtca acaccctgat tcggcctgat ggagagaaga aggcatatgt tcgactggct 420
cctgattacg atgctttgga tgttgccaac aaaattggga tcatctaaac tgagtccagc 480
tgcctaattc tgaatatata tatatatata tcttttcacc atanaaaaaa aaaaaaaaaa 540
agggccggcc gntctagagg atncaanctt acgtacncgt tgcatgccga cgtcttagct 600
cttntatagt ggtcacccta aaatt 625

<210> 2609
<211> 151
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<400> 2609
ggcccgggtg gttgctgccg aaatgggcaa gttcatgaaa cctgggaang tggtgcttgt 60

cctggctggg acgctactcc ggacgcaaan ctgtcatcgt gaagaanatn gatgatggca 120
cctcanatcg cccctacagc catgcnctgg t 151

<210> 2610
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<400> 2610
aatgattacg ccntttctaa tacgactcnc tatagggaaa gctggtacgc ctgcaggtac 60
cggtccggaa ttcccgggtc gacccacgcg tccggtcgcc gctgcggagg gagccgccgc 120
catgtctgcg catctgcaat ggatggtcgt gcggaactgc tccagtttcc tgatcaagag 180
gaataagcag acctacagca ctgagcccaa taacttgaag gcccgcaatt ccttccgcta 240
caacggactg attcaccgca agactgtggg ctggagccgg cagccgacgc aaagttctgg 300
tgggtcatta acggaatccg gcacggaacc tgccactcct atgtgcgaca catcaacaga 360
tgtccgcccc tcacactcaa cctatcccaa acatacccca ctgcctgnac acnaggcann 420

ctctccncaa c 431

<210> 2611
<211> 142
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 2611
ggcacgagcg caaagaaggg tngcgagann aanaaaggcn gttctnccat caacgaatga 60
taacccgaga atacnccatc aacattcaca atcgcatcca tngagtgggc ttcaagaanc 120
gtgcacctcg ggcactcnaa ga 142

<210> 2612
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<400> 2612
ananagacac naaccctcac taaagggaac aaaagctgga gctccaccgc ggtggcggcc 60
gctctagaac tagtggatcc cccgggctgc aggaattcgg cacgaggttg tctgcaggca 120
ctcagaatgg tccagcgttt gacataccga cgtaggcttt cctacaatac agcctctaac 180
aaaactaggc tgtcccgaac ccctggtaat agaattgttt acctttatac caagaaggtt 240
gggaaagcac caaaatctgc atgtggtgtg tgcccaggca gacttcgagg ggttcgtgct 300
gtaagaccta aagttcttat gagattgtcc aaaacaaaga aacatgtcag cagggcctat 360
ggtggttcca tgtgtgctaa atgtgttcgt gacaggatca agcgtgcttt ccttatcgag 420
gagcagaaaa tcgttgtgaa agtgttgaag gcacaagcac agagtcagaa agctaaataa 480
aaaaatgaaa ctttttgag taataaaaat gaaaagac 518

<210> 2613
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<400> 2613
gctgcactgc caccctgggc nacttcgcca aggccacctt tgatgccatt tctaagacct 60
acagctacct gacccccgac ctctggaagg agactgtntt caccaagtct ccctatcagg 120
agttcactga ccacctcgtc nagacccaca ccagagtctc cgtgcagcgg actcaggctc 180
cagctgtggc tacaacatag ggtttttata cangaaaaat aaantgaatt aagcgtgtta 240
aaanaaaaaa aaaaaaacnc gaaaccaan 269

<210> 2614
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 2614
gggtcnntgc ctccaagatg acaaagaaaa gaaggaacaa tggtcgtgcc aaaaagggcc 60
gcggccacgt gcagcctatt cgctgcacta actgtgcccg atgcgtgccc aaggacaagg 120
ccattaagaa attcgtcatt cgaaacatag tggaggccgc agcagtcagg gacatttctg 180
aagcgagcgt cttcgatgcc tatgtgcttc ccaagctgta tgtnaagcta cattactgtg 240
tgagttgtgc aattcacagc aaagtagtca ggaatcgatc tcgtgaagcc cgcaaggacc 300
gaacaccccc accccgattt agacctgcgg gtgctgcccc acgtccccca ccaaagccca 360
tgtaangagc tgagttctta aagactgaag acangctatt ctctggagaa aaataaaatg 420
gaaattgtac ttaanaaaaa aaaaaaangg n 451

<210> 2615
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<400> 2615
ggtcaccatc agctgtnctg gaaccacccg cganaatacg gccatggtnc tcgntcttgt 60
cgtgtctgtt caaaccggca cggtctgatc cggaaatatg gcctcaatat gtgccgccag 120
tgtttccgtc agtacgcgaa ggatatcggt ttcattaagt tggactanat gctcttcctt 180
cataggatta tccggggcat ctactcaatg aaaaaccatg ataattcttt gtatataaaa 240
taaacatttg aaataanctt cnaattgtca aaaaaaaaaa atatgncctc tnn 293

<210> 2616
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2616
gcgcctcgga ggcgttcagc tgcttcaaga tgaagctgaa catctccttc ccagccactg 60
gctgccagaa actcattgaa gtggacgatg aacgcaaact tcgtactttc tatgagaagc 120
gtatggccac agaagttgct gctgacgctc tgggtgaaga atggaagggt tatgtggtcc 180

gaatcagngg tgggaacgac aaacaaggnt tccccatgaa gcagggtgtc ttgacccatg 240
gccgtgtccg ctgctactga gtaaggggca tttcctgtta caagaccaat ggagaactgn 300
anaaagaatt gananaatca gttcgtggtt gcattgtn 338

<210> 2617
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 2617
aattcggcag aggtcataga acccagaagg aaattgagca ggaagctgca gttgaattat 60
cacagttgag ggacccacag catgatctag atcgagtaaa gaaacctgaa tgggttatcc 120
tgataggtgt ttgcactnca tcttgggctg tgtacccatt ggcaaatgca gggaggattt 180
tggtggttat tactgccctt gccatgggtc acacttatga tgcatctggg caggatccag 240
attgggtcct gctcctcttc aaccttgaag tnccccacgg tattgagttt caccagtgac 300
ggntattggt ggatttgttt ggttnaagag actttnggac ttcaagncca taagggnttt 360
tttttcagtc ctttanggtn caaccccgag ggggctttnn ttttggggga gggaggcctt 420
nt 422

<210> 2618
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<400> 2618
aattcggcag agnatcagaa gtgaatnatg ctggggataa cgatgagagt caccgcaatt 60
tcatccagga cgaatgctgc gtttgattca tgagtgtcct catcaggaag ggaagagcat 120
ccatgaagct ccgggctcag ctctgcgagc cttagcgtca aggccatcaa ggaagcgatt 180
gattatctga ccgttgaggg ccacatctat cccactgtgg atcgggagca ttttaagtct 240
gctgattgag gcagggaaaa catcctttca tttttcgaag acccttgcat ccagctgtgg 300
agtaattttg nacctgtttg acttttttagg aagtaggatt aaaaaaaaaa ttttcaagtg 360
ggcattcttt tgtcaactcg ttgnttttttt aaanggtttt gaacttttng gntttcngna 420
tttgaggtcc aggggganncg gtnntgggta aatttgncaa nccttggggt tttnctggca 480
gttatnggaa aat 493

<210> 2619
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<400> 2619
ggatataagc ttgaccacga gttgagaccc tgagcacagg cctccaggag ccgctgggag 60
ctgccgccag gagctgtcac catgacgggg gaacttgagg ttaagaacat ggacatgaag 120
ccggggtcaa ccctgaagat cacaggcagn atcgccgatg gcactgatgg ctttgtaatt 180
aatctgggcc aggggacaga caagctgaac ctgcatttca accctcgctt cagcgaatcc 240
accattgtct gcaactcatt ggacggcagc aactgggggc aagaacaacg ggaagatcac 300
ctgtgcttca gcccaaggtc agaggtcaag ttcacagtga ccttttgaga agtgacaaat 360
tcaaaggtga aacctgccaa aatgggcacg aactggnttt ttcccaacaa ggcttggggt 420
cacaanncna ccttaanct 439

<210> 2620
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2620
tgaatctagc accatgacgg aactagagac agttcatggg catgatcata gacgtctttt 60
cccgatattc gggcagcgag ggcagcacgc agaccctgac caagggggag ctcaaggtgc 120
tgatggagaa ggagctacca ggcttcctgc agagtggaaa agacaaggat gccgtggata 180
aattgctcaa ggacctggac gccaatggag atgcccaggt ggacttcagt gagttcatcg 240
tgttcgtggc tgcaatcacg tctgcctgtc acaagtactt tganaaggca ggactcaaat 300
gatgccctgg agatgtcaca gattcctggn 330

<210> 2621
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

BNSDOCID: <WO___0122920A2_I_>

<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 2621
ggcacgagtg gnaattttaa gggaatgaaa attaaacctg gctcaatggg naaaccttct 60
cctgctttcg atgttaagnt tgtagatgta aatggcaatg ttctacctcc tggacaagaa 120
ggtgatattg gcattcaagt tctacccaac cgaccatttg gccttttac tcattacgtg 180
gataatcctt caaaaacagc ttcaactcta cgaggcaatt ctatatcact ggggacagag 240
gatatatgga taaagatggg tatttctngt ttntttgcaa gngcagatgt tggcanatat 300
nccctggttn tcgatttggc ccctttgggt ggnaaatccc ccattnncac cccttanttt 360
agagtnccct ttttcaaang cccnacccct tcaaggggg nggtnaaagt tttnggnttt 420
aaaacccntt tcnangncca nttcagggcc ccttttaagg ggttccgggg cttttaaaaa 480
ctccgggcct tnaatttccc caggggggg 508

<210> 2622
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<400> 2622
ggttaaattt naggtagcag agggaaaaca agnggaaatc caacataagg gacaggctga 60
gaaaaaagaa ttacaacata aaatagatga aatggaagaa aaagaacagg agctncaggc 120
aaaaatagaa gctttgcaag ctgataatga tttcaccaat gaaaggctaa cagctttaca 180
agagaagctg accgtcgaan ggcatntaac caaagcggta gaagaaacaa agctttcaaa 240
agaaaatcan acaanancaa aagaatctga tttttcagat actctgagnc caancaagga 300
aaataanaaa nnaagggcgg tcgctctata ggatccaagg cttacgtact cgtgcatgcg 360
a 361

<210> 2623
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<400> 2623
aatatttcca nagntggtcc gcctgcaggt accggtccgg aattcccggg tcgattncac 60
gcgtnttgga aatgaccccn cagcagggag acgtctacat ntgncaagtg gagcacacca 120
gcctggacag tcctgtnacc gtggagtgga aggcacagtc tgattctgcc cggagtaaga 180
cattgacggg agctgggggc ttcgtgctgg ggctcatcat ctgtggagtg ggcatnttca 240
tgcacaggag gaacaagaaa gttcaacgag gatctgcata aacagggttn ctgacctacc 300
gaaaagacta atgtgcctta gaacaagcat ttgntgggnt ttggtaacac ctggttcang 360
acaganccct agcttttccc aanaggatac tggttgcaaa aaagttt 407

<210> 2624
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 2624
naattcggca naggaaccgg ggctgctgct ttgactccag gatccctggt ngnccttggt 60
gtttcaagcc cctgcaggaa gcagaatgca ccttttgagg cacctncagc tgccccggc 120
cgggnaagtg cgaaggctcg gagcaccctt gcccggctgt gaattgctgc caggnactgt 180
tgcatctnca gcttttctgt gccctttgct cccggcaagc ggttctgctt gaaagtttca 240
tnatcttggg aggcctgnat ggtnctttaa cggaattaaa ggttcccccc attgcttcca 300
aan 303

<210> 2625
<211> 165
<212> DNA
<213> Homo sapiens

<400> 2625
ggcacagcca cccagggcct gagtcetgtc cacaccccag gtgacggccg gctccacaag 60
gcagtgagcg tgggcccccg ggtgcacatc attgaggagc tgcagatctt ctcatcggga 120
cagcccgtgg cagaatctgc tcctgggaca cccacagggg ggctg 165

<210> 2626
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 2626
gtggatacca accggaaaac ccctatcccg cacagcccac tgtggtcccc actgtctacg 60
angtgcatcc ggctcagtac tacccgtccc ccgtgcccca gtacncccgg agggtcctga 120
cgcaagcttc caaccccgtc gtctgcacgc aagccaaatc cccatccggg acagtgtgca 180
cctcaaagac taagaaagca ctgtgcatca ccttgacctg gggacttcct cctgggaact 240
gcgctggccg ctggcctact ctggaaattc atgggcagca aatgctccaa ctctgggata 300
gaatgcgaat cctcaagttc tgcatcaacc ctcntactgg tgttatagcg tntcaactgc 360
cccngggggga agaaaaaaat cngtgttcct nttttcaaac ttctcc 406

<210> 2627
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<400> 2627
gacctcagcn ttcgctacnc gggaccccca cagaagagac gtggcccggc gtgacccgca 60
tctctgagnn ccgcacctac agcttcccct gctacctncc gcagcccgct catcaaccac 120
gccgcccagg cnggatacgg atggcatcca cctcctgagc agccngcncc tgnatgaatc 180
caagagtcgc atgcagcaga agctgccctg agtcactncn acntccggnc tcngggaaga 240
gccgtgngca ccaaccttga aaacactggc gacaacgtct ccctgaaggg gaaaccactc 300
cagaagggac ccangctacc caggggntgg ncna 334

<210> 2628
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<400> 2628
gcacgggaat gtgcccctgc actatgcctg tttttggggc caagatcaag tggcagagga 60
cctggtggca aatggggccc ttgtcagcat ctgtaacaag tatggagaga tgcctgtgga 120
caaagccaag gcacccctga gagagcttct ccgagagcgg gcagagaaga tgggccagaa 180
tctcaaccgt attccataca aggacacatt ctggaagggg accacccgca ctcggccccg 240
tgagtcacca ctgtgggaag aagggttgta aaaggaaata atcctggcct cttggggctg 300
ggttagggtg aagctgggta cctgacctgc cacactctta ngaaatggaa ccctgaacaa 360
acactctggc attgacttca aacaagctta acttnctgac gaagctnaac gaagaatact 420
cttggaaang tgacccctgc cttnttgccc tcctnantaa cccccataaa tacttgcttt 480
gtacctgttt taagttttct tcaattantg ggcaaggaag tggnanaaca tttaagcttc 540
taccctactg tctgnanttt ggaaggcc 568

<210> 2629
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<400> 2629
tgcagcnaga caatcggaga gaaantgnng caaaaagagc cantgggana tgatnagtct 60
gtnccagaga atgtgctgag tntcgatgac cttactgcag acgcnttagc taacctganc 120
aanccacaaa tcaaaaaagt ccgactcctc attgatgaag ccatcctgaa gtgtgacgcg 180
gagggantaa agttggaagc agagcggttt gagaacctcc gagagattgg gaaccttctg 240
cacccttctg tacccatcag taacgatgag gtaggtggct gtgccgcagc aggaggctgc 300
cttaggtcgc tgctgtctct gcaggggcgg ggang 335

<210> 2630
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2630
gtgcgtggca ggtgangatg aacagtctac acagatggct gcaaggnggg aagatgataa 60
agttacagaa gcatcttcna acaggnntgc tgctattaaa atcnatacca aaagtga 117

<210> 2631
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<400> 2631
gcctgcaggt nccggtccgg aattcccggg tcgacccacg cgtccgaaga agtcctgcaa 60
agacaatcgc accacagaat gctccaagag atgagtctag gggccgttcc tcgttttatc 120
ctgatggtgg agatcaggaa actgcaaaga ctgggaagtt cttaaaaagg ttcacagatg 180
aagagtctag agtattcctg cttgataggg gtaataccag ggataaagag gcttcaaaag 240
agaaaggatc agagaaaggg agggcagagg gagaatggga agatcaggaa gctctagatt 300
acttcagtga taaagagtct ggaaaacaaa agtttaatga ttcagaaggg gatgacacag 360
aggagacaga ggattataga cagttcagga agtcaagtcc tcgcagatca gggtaaaagt 420
tttgctactg catctcaccc ggaatncctg aaggaggaan ggactcaagt accnngttcc 480
anaggttt 488

<210> 2632
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<400> 2632
gaccggtatc aggtgtgcca aggcgaantn aaagaattgc aggcaaaaga gtttgcanaa 60
tggaatcagg anaagcaggc tgcttttctc ctaaaatcan cca 103

<210> 2633
<211> 686
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (615)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (663)
<223> n equals a,t,g, or c

<400> 2633
nttactanat nttcctgcag gtatttgggc caagaatncc cgggtcgacc cacgcgtccg 60
atggcggagt acgacttgac tactcntatc gcgcactttt tggatcggca tctagtcttt 120
ccgcttcttg aatttctctc tgtaaaggag atatataatg aaaaggaatt attacaaggt 180
aaattggacc ttcttagtga taccaacatg gtagactttg ctatggatgt atacaaaaac 240
ctttattctg atgatattcc tcatgctttg agagagaaaa gaaccacagt ggttgcacaa 300
ctgaaacaag cttcaggcag naaccagaac caattgtgaa gatgtttgaa gatccagaaa 360
ctacaaggca aatgcagtca accagggatg gtaggatgct ctttgactac ctggcggaca 420
agcatggttt taggcaggaa tatttagata cactctacag atatgcaaaa ttccagtacg 480
aatgtgggaa ttactcagga gcaagcagaa tatctttatt tttttagagt gctggttcca 540
gcaacagata gaaatgcttt aagtcactct ggggaagctg gcctctgaaa tcttaatgca 600
gaattgggga tgnancatgg aagaccttac acggttaaaa gagancatag ntaataattc 660
tgngggtctc catttagctc ttagca 686

<210> 2634
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<400> 2634
gcaactatga gaccattgaa cagaagaagg cctatgagat tgcagggctc ctgggtgaca 60
tcgggggcca gatggggctg ttcatcgggg ccagcatcct cacggtgctg gagctctttg 120
actacgccta cgaggtcatt aagcacaagc tgtgccgacg aggaaaatgc cagaaggagg 180
ccaaaaggag cagtgcggac aagggcgtgg ccctcacctg gacgacgtca aaagacacaa 240
cccgttgcga gaaccttcgg ggccaccctg ccgggatgac atacgcttgg caacattcta 300
ccttanccat tcgggccgaa ggacttcnaa gacntttact tgnttgancc cccg 354

<210> 2635
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<400> 2635
gtaaaattta tttattacag gaatcagaat gtnttgtgtc actattatct gctancatta 60
anaatagaga tcangttgaa ttttgtatga atntcctatt tatnaacact tttattaata 120
ctacaatggt gctgctgtga ttgancacga gcgagttcag aagacctttc ctcacccaat 180
tgataaatgg gccatngctg atgcacaatc tgctatagaa aaacaaaaac gaagaaatcc 240
tcttttactg cctgtggacn aaatccatcc ttcgtnnaan gaattattag ggtacaaaat 300
gagactacca tgtatcccta tatnttgtgg ntgtactaca ntatatctca gcctgatatt 360
ttaaaatngg ctggtcntct tgtttttaat atccggcatt ntgaaatatc tcanacanga 420
ctttaaattg tctattttgt tgcggatcan gttaatgtta caaggtattt naattttact 480
tgaatagcac natctaattt ctgcctcaat ctttatgttt taattattaa atanattatc 540
tnttatgatt tgctncttac tggaaacaaa aaaaaaatcc tggctttact tcattaacca 600
tgaatatttc ccngtttttn 620

<210> 2636
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 2636
gcncgagcgg gtactacccn ggcgggtatn gaggggctcc cggatggcct gcntttcccc 60
gacatcctct ggatcctctg tttggttnct ttgctgctgt ngctggacag gatgggccta 120
ttgatgctga tgaatttctn anatgtcnga cct 153

<210> 2637
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<400> 2637
ggcggggctg cctaggnctg ggttgtcctt tgcatctgca cgtgttcgca gncgtttccg 60
cgatgctgcc tctgctgcgc tgcgtgcccc gtgtgctggg ctcctccgtc gccggcctcc 120
gcgctgccgc gcccgcctcg cctttccggc agctcctgca gccggcaccc cggctgtgca 180
cccggccctt cgggctgctc agcgtgcgcg caggttccga gcggnggccg ggcctccngc 240
ggnctcgcgg accctgcgcc ngtggctgtg gctgcggctc gctgnacacc ganggagaca 300
aagcttttgt tgattacctg agtgatgaaa ttaangagga aagaaaaatt nagaagcata 360
aaacccttcc naagatg 377

<210> 2638
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 2638
ggaaaaatta atanctccta gaacaaaagc tataattcca gttgatattg gaggatttcc 60
agctgattat tcagaaattt tagatttagt ggaaaggaaa aaagatatat ttaatcctaa 120
aaaaggaact tatcaagaaa aacttgggag aatattagtt ttggctgatt ctgctcactc 180
atttggtagt agctacaaag gaaagaaaat aggaagtgta gcagatgtaa cttcattttc 240
atttcatgca ataaaaaatt taacaacagc agaaggtgga gctttaacat ggaatcttcc 300
taataatttt gataatgagc aaatttataa agagttgatg ttgntagctt tacatggcaa 360
aataaggatg cactagcaaa gctaaaagca ggtgcttgga aatatgatat tgncatgcca 420
ggatacaaat gnnatatgac ngatattatg gcggctattg ggttaatcca cttnaagat 479

<210> 2639
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 2639
gcatggatga gatggcagtt gaattcctgc atgaactgaa tgttccattt ttcaaagttg 60
gatctggaga cactaataat tttccttatc tggaaaagac agccaaaaaa gtgtaccagc 120
gcatacccgc tccagcctga ggacgtcaac ctgcgggtca tctcggaata tcagaagctc 180
tttcctgaca ttcccatagg gtattctggg catgaaacag gcatagcgat atctgtggcc 240
gcagtggctc tgggggccaa ggtgttggaa cgtcacataa ctttggncaa gacctggaan 300
gggagtgacc actcggactc gctggagcct ggagaactgg gcgaagctgg tgcggtcagt 360
gcgtcttgtn ggancgtgcc ctgggctccc caagcaaagc anctnacngc 410

<210> 2640
<211> 164
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<400> 2640
ggcagcctgc agtctgaaga ttttgcagtt tattactgtc agcagtatag tctctggtac 60
acttttggcc aggggaccaa cctggagatc aaacgaactg tggctgcacc atctgtcttc 120
atcttcccgc catctgataa aacaattnaa atnntgaant tnct 164

<210> 2641
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<400> 2641
ggtcgcggcg gggaccatgt tgcttccgaa catcctgctc accggtacac caggggttgg 60
aaaaaccaca ctaggcaaag aacttgcgtc aaaatcagga ctgaaataca ttaatgtggg 120
tgatttagct cgagaagtct gatcatcgga tatcatggag tctggcaaga cggcttctcc 180
caagagcatg ccgaaagatg cacagatnat ggcacaaatc ctgaaggata tggggattac 240
agaatatgag ccaagagtta taaatcagat nttggagttt gccttccgat atgtgaccac 300
aattctngat gatgcaaaaa tttattcnag ccatgctaaa aaaacttctg ttgatgcana 360
ttatgtgcga tggcatccan tgccgcctga tcatctttta ctctccnccc caaaaatttt 420
tttanatttg caggcaaaat caancettgc 450

<210> 2642
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 2642
ggtgatgtct cacagaaagt tctccgctcc cagacatggg tccctcggct tcctgcctcg 60
gaagcgcagc agcaggcatc gtgggaaggt gaagagcttc cctaaggatg acccatccaa 120
gccggtccac ctcacagcct tcctgggata caaggctggc atgactcaca tcntgcggga 180
attcnacang gccggatcca aggtgaacaa aagagttgtt tgaagcnttt tacatttttn 240
aaaaacccng ngnttttttgg cttttgncct tnaaaacccc naggcccgaa ccttcaaaat 300
ttttntttaa ccccttnnaa tcanaaggnt ttttttnaaa tggttntttn aaaaaagctt 360
cccntttcca aatggggaga agangggnaa cccggaagaa tccccccaaa atttcttttc 420
ctttttcccc ccaaaccctt cnttccaaaa aacctttnaa catttaaagc tttcnaaana 480
aggcccaaan aanattctta catttttggg aaaaaaatcc gttaagggag gaagttcctt 540
ttgccaaaac 550

<210> 2643
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 2643
cttctttaca gcggccnact ntgaactgnc nacttcggac tatagtgaaa gctggtacnc 60
ctgcaggtac cggtccggaa ttcccgggtc gacccacgcg tccgtggaca gctgatgaag 120
gggtcttcga caattttgtt ctcaaaatca gagataccaa aaagcagtct gagccactgg 180
aaataaccct acttgccccc gaacgtacca gggacataac aggtctcaga gaggctactg 240
aatacgaaat tgaactctat ggaataagca aaggaaggcg atcccagaca gtctgttctc 300

tcctgtttat ttacagtatc tgttgttgnt atagnactna ctgnttttnt atttt 355

<210> 2644
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 2644
atagntntct ggactcntta taggganagc tggtacgcct gcaggtaccg gtccggaatt 60
cccgggtcga nccacgcgtc cgcggacgcg tgggcccagc ctgggccggc accctggggc 120
tcaccaaggc aacctggcct tcggtcttca tagcaatgna atagccagcc ctggaagccc 180
cagcctgggn cgtcacctng gagggactgg atctgnggtt cccggcagnc cctgcttgga 240
ccggcatgtg gcctatggag gctatnctac ccnggaggat cggagaccca cactgtcnng 300
gaagagcant gcctatggct accaggctcc ttcnacgcca tccttgcctg tctnccctgc 360
ctactaccct ggactgagna gccctgacac ctacnag 397

<210> 2645
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<400> 2645
ggtggaggcc acatgcgcct gcctgcttgc tcagggagaa gaggccgaga aagaacactg 60
ctccaagtgc ctggcagagc agatgatcct ggaggaattt ggaaggtgct tatcacagat 120
tctccacact gagtttaaat ctaagggatt gaaaatggag tagagtataa agtgtgaatg 180
catgttgatt ttgtcttant ctanaaatct ctantttaga aaggatgttt angggaacat 240
gangctggct 250

<210> 2646
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<400> 2646
atcgtgactg ttggtggaga agagagagtt tcacggaaac ccacagcagc gatgcgatgc 60
atgtgccctc tctatgaccc taacaggcag ctttggntcg aactggcccc tttaagcatg 120
ccgagaatta accatggagt tctctcagca gaaggatttt tgtttgtatt cgggggccaa 180
gatgaaaata agcagactct tagctcagga gaaaagtatg atccagatgc aaatacatgg 240
acagcattgc cacctatgaa cgaggcaaga cataacttcg gaattgtgga gatagatggg 300
atgctgtaca ttttgggagg agaggatggt gaaaaggagc tgatttccat ggagtgttac 360
g 361

<210> 2647
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<400> 2647
gcaagcnncg ccnccannca tcactaaaag ggancaaaag cnttgagctc caccgnggtg 60
cggcccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg agggatatcg 120
acgtcgtgat ccagaagtcc agagctgagg actgcctgtt tgcagccaag ttctatagaa 180
attttagagt attcatcaga tagtgaaaaa gaagatgatt tggaaaatgt cctactcatt 240
nattcagaac cccctcacaa 260

<210> 2648
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 2648

gcccacgcgt ccggtcccgg gcgctagccc acctccgacc cgcctcttgg ctcctctcct 60
ctaggccgtc gctttcgggt tctctcatcg cttcgtcgtt cgccaatgtt tgaggagaag 120
gccagcagtc cttcagggaa gatgggaggc gaggagaagc cgattggtgc tggtgaagag 180
aagcaaaagg aaggaggcaa aaagaagaac aaagaaggat ctggagatgg aggtcgagct 240
gagttgaatc cttggcctga atatatttac acacgtcttg agatgtataa tatactaaaa 300
gcagaacatg attccattct ggcagaaaaa aaaaaaaaaa gggcggncgc tctagaggat 360
ccaaagctta cgtacgcgtn catgcgangt cataagtttt tctattagng ncacctaaaa 420
t 421

<210> 2649
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (678)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (681)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (706)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (740)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (750)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (783)
<223> n equals a,t,g, or c

<400> 2649
attaanggaa atcncggtac gcctttaggt accggtccng aattcccggg tcgacccacg 60
cgtccggatt ccctcccgaa cagttaaccg gaagagtaca gacagcccgg tagagtgtat 120
gggccaggag aaaggggaat tcagagaaat attctacatc attggagctg tggtatttgt 180
ggtcatcatc cttgtcatca tcctggctat atctctacac aagtgtagaa aggcaggagt 240
ggggcagagc tggaaggaga actccccact gaatgtttca taaaggaagc actgttggag 300
ctactgcaaa tgctatattg cactgtgacc gagaactttt aagaggatag aatacatgga 360
aacgcaaatg agtatttcgg agcatgaaga ccctggagtt caaaaaactc ttgatatgac 420
ctgttattac cattagcatt ctggttttga catcagcatt agtcactttg aaatgtaaca 480
aatggtacta caaccaattc caaggtttaa tttttaacac catggcacct tttgcacata 540
acatgcttta agattatata ttccgnactc aagggagtaa ccaggtngtc caagcaaaaa 600
ccaatgggaa aatggcttaa aaaatctggg tgggactttt gaaaagcttt ttttttttt 660
ttttttgana cgggagcntg nttttgttgg ccaagctgga aggcantaag caccgatctt 720
gggttaattg gaccttcggn ttttgggttn aagcaaatgg ctggcctaaa ccttccgagt 780
agntggga 788

<210> 2650
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 2650
ggtganaagc gaatatccct ctataaaact ggtggtggag tggcaacttc aggatgacaa 60
aaaccaaagt ctcttctgct gggaaatccc agtacagatc gtttctcatc tctaagtgcc 120
tcattgagtt cggtgcatct ggccaatgan tctgctgaga ctcttgacag cacctccagc 180
tctgctgctt caacaacagt gacttgctct ccaatggtat ccagtgattc gttgaanagg 240
aggtgctctg tagcagaaac tgagctncgg gtggctgntt ctcaatggnt gctcatgtct 300
cttttctgct tangtggttc attaaatgca ccacttggta gcaatgttaa tnttttttta 360
acacnttact tggggnct 378

<210> 2651
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<400> 2651
gcctcaagca gcggcggtcc cttagtgaca gtgtctacac ccctccacca agtgtccccc 60
acgggcctgg agcccagcca cagcctgctg agtacagaag ccaagctggt ctcagcagct 120
gggggccccc tccccctgtc agcaccctga cagcactgca cagnttggag canacatccc 180
caggcctcaa ccagcagccc cagaacctna tcatggcctn acttnctggg gtcatgacca 240
t 241

<210> 2652
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 2652
gacctgtcaa aacatatcaa gacccaccag aataagaagg gaggcccagg tgtagctctg 60
agtgtgggca ctttgccccc ggacagtggg gcaggttcag aaggcagtgg cactgccact 120

ccttcagccc ttattaccac caatatggta gccatggagg ccatctgtcc agagggcatt 180
gcccgtcttg ccaacagtgg catcaacgtc atgcaggtgg cagatctgca gtccattaat 240
atcagtggca atggcttctg agatcaggca cccggggcca gagacatatg ggccataccc 300
cttaaccccg ggatgcaagg tagcatgggt ccaagagaca tggaagagag agcccntgag 360
attaaaatgc atggtgt 377

<210> 2653
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<400> 2653
aattcggcan agcagggtca ctgtcaagct tgaggaggca ggtacaaaac atattatatt 60
aatcacagaa aatgagatcc tggcacacag ggtcagattg aggggtggtc acctgtagtt 120
ctgcacgatg ttccgagaaa gcttccagct gtnnccccgg acagcagcag atttngagga 180
tcagtaacag tgaaaaagtg ccgggctctg ccaggnaaag tactttggtc ccagcgaggt 240
tcctgggatg ttgatgtcta aaggcaattt cacccatttt ntgcaggaca gagattaagg 300
gttcagagcg ggagtccaag ggttccaagg ggttccagtt agggggaant tttggtggcc 360
cctgccctgg gcccctgagg tttttcntca ttcctttnaa gagntcaagg tgnttagatn 420
taggggaaag aaagagngtt cagattntta ctgggtctat nttgggaagg aaggccntag 480
gggattccnt tttnna 496

<210> 2654
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2654
aattcggcan agcctaaata caacagggac actctggaca atgacatcat gctgatcaaa 60
ctctcctcac ctgccgtcat caatgcccgc gtgtccacca tctgtctgcc caccgccct 120
ccagctgctg gncactgagt gctgcatact ccggctgggg caacactctg agctttggtg 180
ctgactaccc agacgagctg aagtgcctgg atgctccggt gctgacccag gctgagtgta 240
aagcctccta ccctgggaaa gattaccaac agcatgttct gtgtggggct tccttgaggg 300
gaggcaagga ttccttgcca gcgtgacttt ggtggccctg tggtctgcaa ggacagttcc 360
aaggggttgt ctnctggggc cagggtgtgc tgggaagaac aggctggagt ttngaccagg 420
tttacaattt gtggattggn ttagggcaac ntggttgcaa cattaagccc ggtnccttng 480
atttttacca taanggct 498

<210> 2655
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 2655
gaacgcttct gtgagacttg ataatagctc ctctggtgca agtgtggtag ctattgacaa 60
caaaatcgag caagctatgg atctagtgaa aagccatttg atgtatgcgg tcagagaaga 120
agtggaggtc ctcaaagagc aaatcaaaga actaatagag aaaaattccc agctggagca 180
ggagaacaat ctgntgaaga cactggccag tnctgagcag cttgcccagt ttcangccca 240
gctgcagact ggctcccccc ctgccaccac ccagtcacag ggcaccacac agnccccccgc 300
cagccagtat nntagggctc angaccaacc gcatan 336

<210> 2656
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 2656
ggagaataca gactatgtga acgcatcctt tattgatggc taccggcaga aggactccta 60
tatcgccagc cagggccctc ttctccacac aattgaggac ttctggcgaa tgatctggga 120
gtggaaatcc tgctctatcg tgatgctaac agaactggag gagagaggcc aggagaagtg 180
tgcccagtac tggccatctg atggactggt gtcctatgga gatattacag tggaactgaa 240
gaaggaggag gaatgtgaga gctacaccgt ccgagacctc ctggtcacca acaccaggga 300
gaataagagc cggcagatcc ggcagttcca cttccatggc tggcctgaag tgggcatccc 360
cagtgacgga aagggcatga tcagcatcat cgccgccgtg cagaagcagc agcagcagtc 420
agggaaccac cccatcaccc gtgcactgca gcgcccgggg caggaaggac ngggaccttc 480
tgtgccctga gcaccgtctg ganccntgtg aaancanagg ggattttgga tgtcttccag 540
actgtcagag cctgcggctt tcagagggca cacatggtcc agacactgga acantttnag 600
ttntggttcc nnggtggtgc ag 622

<210> 2657
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (463)
<223> n equals a,t,g, or c

<400> 2657
gctcgccggg gctgcggccg cccgaggctg ccctgaggat ctgtgtttgg tgaaaaggag 60
ccaaattcac ctgcagggca ggcggctcta gcagcttcag aagcctggtg ccctggcgac 120
actggacctg ccttggcttc tttgatccca accccacccc cgatttctgc tctgctgact 180
ggggaagtca tcgtgccacc cagaacctga gtgcgggcct ctcagagctc cttcatcggg 240
actttgaaca tgtcggggat cgccctcagc agactcgccc aggagaggaa agcatggagg 300
aaagaccacc catttggttt cgtggctgtc ccaacaaaaa atcccgatgg cacgatgaac 360
ctcatgaact gggagtgcgc cattccggga aagaaaggga ctccgtggga aggaggcttg 420
tttaaactac ggatgctttt caaagatgat tatccatctt cgncaccaaa atgtaaattc 480
gaaccaccat tatttca 497

<210> 2658
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 2658
tgacaccaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg cagnccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agggcagatc acctttcctt 120
tgtctccagc tcttaacatt gaagtggaac aaaatgggaa accgtccctg gttgatttga 180
atgaagaaat gcagcacatg gatgtagagg aatcacagtg tcttagatta tgtccatttt 240
tggaggatca taaagaagac attctatgtg ggccagtatg gcttgctagt ggccttgatc 300
tatcagggca tgctggaatg ttgacgttaa caagccccaa acttgttaaa ggtatggcag 360
gaggaaaata tcgttcgttt ttaatccatg tcaaggcagt gaatgaaaga ggaacagaag 420
agatttgtaa tggtggtatg cgtcctgtag taaggcttcc atccctaaaa caccagagta 480
acaagggtta ttcacttgct tcacttttgg ctaaagttgc agcaggcaag gaaaaatcat 540
ctaatgttaa gaatgaaaat acaagtggca cccgtaaatc tgaa 584

<210> 2659
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2659
gctgatattt gccggcaaac agctggagga tggccgcact ctctcagact acaacatcca 60
gaaagagtcc accctgcacc tggtgttgcg cctgcgaggt ggcattattg agccttctct 120
ccgccagctt gcccagaaat acaactgcga caagatgatc tgccgcaagt gctatgctcg 180
ccttcaccct cgtgctgtca actgccgcaa gaagaagtgt ggtcacacca acaacctgcg 240
tcccaagaag aaggtcaaat aaggttgttc tttccttgaa gggcagcctc ctgcccaggc 300
cccgtggccc tggagcctca ataaagtgtc cctttcattg actggaaaaa aaannnnn 358

<210> 2660
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (638)
<223> n equals a,t,g, or c

<400> 2660
gcatttatng acaagagaaa gcacaaagca tggagaccct ccctccaggg aaagtacggt 60
ggccagactt taaccaggaa gcttatgttg gagggacgat ggtccgctcc gggcaggacc 120
cttacgcccg caacaagttc aaccaggtgg agagtgataa gcttcgaatg gacagagcca 180
tccctgacac ccggcatgac cagtgtcagc ggaagcagtg gcgggtggat ctgccggcca 240
ccagcgtggt gatcacgttt cacaatgaag ccaggtcggc cctactcagg accgtggtca 300
gcgtgcttaa gaaaagcccg ccccatctca taaaagaaat catcttggtg gatgactaca 360
gcaatgatcc tgaggacggg gctctcttgg ggaaaattga gaaagtgcga gttcttagaa 420
atgatcgacg agaaggcctc atgcgctcac gggttcgggg ggccgatgct gcccaagcca 480
aggtcctgac cttcctggac agtcactgcg agtgtaatga gcactggctg gagcccctcc 540
tggaaagggt ggcggaggac aggactcggg ttgggtcacc catcattnga tgtcattaat 600
attggaccaa ctttcantnn tgtgggggca tctggctnga cttt 644

<210> 2661
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 2661

ttgttttatt gccatcctgt ttggaagcag cacaatatca ctttcagacg aagcctctag 60
gagatgttct gtacttttnt ccactctcag ttctcagtct tgtaagcagt tacgagtgta 120
cctttctcct ctaagtaaag aagccataga tgactccccg agacttttag caaaactctt 180
ggccttaaaa ctatgctacc atatatnctt agaagtcaaa ggatgcaaca cagagaatac 240
atttttctat gangattaat acaagtgnat attagtggat ataaccatta attgtttgga 300
ctcagcctta tcttacaaat gcaaggtcat ttatctagat cagtacttaa aaacataaaa 360
ttttactcta ataaaatgca atataaaagt nggtttaatt ttgatatgtg ctttatagga 420
gtgaagctga aaatatttta 439

<210> 2662
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<400> 2662
tgacaaaaag cctatacgat atgcaagant tgtatttnct caatatcaac catcacattt 60
agaaaacctt cagaaagcat atgtacatag tatcttatgt gtaagtgaat gagaatttta 120
tgaataaact ttttaaggga attaagacan tacaatcgtc tgtatctgaa ataaagcaga 180
gacaaaggca aagattatag ctatggntga ggtgaactga gtatcaatac attctaagga 240
taacatagag ttaatganat tnattaaatg atcaatacca gtataataaa tatcctggca 300

<210> 2663
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<400> 2663
ctttaattgt nctcactcac ttccaagttt gaataagact tttattgagg tatttacaaa 60
tccatatctg catcccttct ttctatgttt ctaattgtca ctttcaccta tacatgctga 120
ctcctagaaa atagtttgtt aaatagcaag gcatgagcaa ttattaataa tccccaaatt 180
caaattttta aattcatatt tttaatgaca tgagcatttc ccatgtcacc tatattactt 240
tttaaattac tccttttccc tggcttgcct tattccacat ccacctaagt ccatctgtct 300
ttcacatgct atcatattta tctttatgag tacagctttc attgaatttn actaaaccta 360
gaaattgcaa gacacttgag aaacttctag taacctaata tgtaatcaca tgttaggtaa 420
tcaacttttt gcaggttatt ttcaattact ctcca 455

<210> 2664
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 2664
taaaaactaa gtttccaagg cagtatgctg tggtccttga aaagtccttt agaagaattt 60
tctngaataa atttagagaa aacctaagtg tttcctaggg gatgcttacc aactcctcgc 120
ccctcccccg cccgccctct tttatttttaa ttgtgactca gggttaaata caaactacta 180
gcagctgttg gtggaaaaga gcccaatccc aaactctggg gttttccttt gttcccaagg 240
gaggccttng gaggaatgaa tgatcctaaa ggtaatgagc agacctgngg gaatcctcca 300

agtgccacct ctgactaata ttgggctgtt gccaggaaaa cccaactttg ggatttcaag 360
ctattacttt ccgtgcaacc cctggtgctt gactattcaa ggggacagct ct 412

<210> 2665
<211> 366
<212> DNA
<213> Homo sapiens

<400> 2665
agcagggtcg gcagtgaaga gcagagaaag gcagttgggg atgttgccac tgtcccccga 60
gaccaccctg ccatggagac gagggagctg tcccttcgcg gaaggggct ggccagcaag 120
aaggacagag agtggactgg ccgaggaccg ctgagctcag gacccaagga ggactcttct 180
aggagacgag agagcgaacg ccagggaccc tgtgcaggcc tgctcctccg tttgcaagca 240
ggctccctcc ccgaggccgt tcagaagcat tcctcagcgg gtcctacacg tttcctctcc 300
catgtcaagt ttagaagcag tgtcaagacc cacagcagtc ctgcaggagt tttaagggat 360
gcacgg 366

<210> 2666
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<400> 2666
gaattttaat agtaaaatct tataagtgga tgaggagagt aattaatata tagaacatta 60
ccaattataa atacatattt aagtataatt tagtgttttc tggaaagaaa tcaaatgtgt 120
ttctgtgggc attcacattt tctttttttgt gaattttcca agctttctac aatagccata 180
cattctgcaa tatttatagt ctataactta ttatctctag ttgacaaaca tggttctttg 240
tttcttaaat tataaatgtc tttaacctaa aaaaattaaa tagtcattca gcttacaggt 300
ctgcttaaaa aacagaacat tttttagctt nttttgaacc aatttttta atgttcctgt 360
gcaattagta ctttttactt taaacatatg cacttaaagc atccattcac attttaggca 420
ctcatttcag tattttcttt ctgcttacat tag 453

<210> 2667
<211> 479
<212> DNA
<213> Homo sapiens

<400> 2667
gagagaatag tgggtaggag ttaaccagga aagcaaggat gaaagcgtgt tgcgtttaga 60
taaaggatag gcttcaaggt cagggaacgt tgctgggtgg tgagatggaa ccctgatgtg 120
gaggctcagc aggaagaagc aggaaggaca ctgggccccc ggtggtttta gttccagaaa 180
caaatgtggg ccccagggct ctgcaatggt aaggctggaa ctactcaaca taagagctcc 240
acctttaact gtgcccccta agagtacctg atgatccccc tatctccttg tcaatgttgc 300
tgttcttctc cagaatctat ttcaaccctt ctctgatttc aaaccaccag tccctttacc 360
tctcagagaa aacagcaacc acaaaagcct ctccacttcc tactatctta atattgacaa 420
cttccagatc agggagctga gatatctcaa gctcaggttt ctcttctgag cttcagacg 479

<210> 2668
<211> 450
<212> DNA
<213> Homo sapiens

<400> 2668
ccgcatccta gccgccgact cacacaaggc aggtgggtga ggaaatccag gtaaggctcc 60
tgacagcagc tttagaaggg tacttgctgg agtgaattcg ggcctctgat tgctatataa 120
agttgtaggc aatcaagcaa cagagaactg caagtttcca aaggcaatga agtaggatac 180
ggaagggaaa tcatggaatt tccacaaaag tcttactggg gcctttcttt ggctagagct 240
ggcacagtgt gacgttcccg agttagttca gagaaatgct ttctcttttg cgaaacaaaa 300
tttccaagag taggtgaatc ctaggatttt tcaagcctgg gacagggtcc agggattttc 360
gtctcagtca ccatctaaag ctttctttcc cacgggctaa agcaaagccc cataggcttc 420
tccactatga cacctcagct cggattgccc 450

<210> 2669
<211> 507
<212> DNA
<213> Homo sapiens

<400> 2669
cgctccccca tccctgctct gctctgaggt gccagccaga gccgctcagg gtcctccgtc 60
cggtttcccg tgggcctaac agcagggccc tggggccacc acccgcacct ccctgcctcc 120
atctcagaaa ctgaagcctg ggagcccccc gggccacctg agtctgggag acgcaagcca 180
atcccgggga caggccccgg ccccttccta gtgaggggca cgctctggtc aatcgtgggg 240
cagagaaatt tgctttttaa cataaaacgt atcctttgtc cctagaatgg caggctacct 300
ccctgcctta ttctgtgaag atgtagttcc tttattagca gagcttactt tgaaggtaga 360
ataacaataa atatataagc agttggagag taaaatcact acagtattca agtctaaata 420
tattacaaat gccaagtttt attggaaaat tatatataaa attcttatat acattttagt 480
aagcctccat cttagtatct aaaactt 507

<210> 2670
<211> 404
<212> DNA
<213> Homo sapiens

<400> 2670
tacaggcatg aaccaccatg cccaacctca tttacaattt ttaaaaaaaa tcttaagatc 60
tgtatttttt atagtttata aaagtttttt tgtgatcaca aaaatacatg cttttggtag 120
aaacacaaac atacaaagat gttctataaa actgactttt tatcgtacat tttaagatat 180
ttaaaaatat tttctgtaat ttcatgaaga gtactaaagc cacagtcact gacattgtaa 240
acacctctgt tcattctcta acctgttagg tggttaagct atttttaatt ctaggggct 300
caggctgaac ttgaggttgg ggaggagaat ttgcctctgc ttttagttgc aattttcaag 360
tgaggtgaaa ttaagtaaaa tttgtaagag ctttttttggc tttt 404

<210> 2671
<211> 414
<212> DNA
<213> Homo sapiens

<400> 2671
gaaactcctt gttggctcaa ctgctcttca cagatgcata attttggagt ccatacacca 60
ccctggtcac tctctttaga atacactcca gttttgtaca tttattctat tttcaactgt 120
atgttaattt taaagtacag catgcaacat gaaaattaac atgcacacaa tgagaggagc 180
tgtgttaggc gaaggagctt attgatgatt actttgcttt ttcaaaaatt gtgtttaatg 240
ttggcatata ccccatcttc catagaaata aagtagggtg ttcaggatct aatttcaaat 300
gtagactagt aatctcaaag tgtaatggga caattatatc ccttgttcag gagacaaaat 360
tgctcccaaa ccttcttttg ttctgttttt tcatggcata ttttaagctt aaaa 414

<210> 2672
<211> 445
<212> DNA
<213> Homo sapiens

<400> 2672
cacgcaagca tggtaggact tgctggtggg ggccgagtaa catccagctt aatctttccc 60
ccccttcgtc gcccgtgcta tgccgggatg ggtccaggct cctgtgtgga ctcgatatat 120
cagagcaacc caatcttgcc gggatcaacc ctaaagggac cgggctacgg ggccaggaat 180
tgaagtgatg ggttcaaaga ggtagagtta gccgggggtg gagttaatga ggtctcttcc 240
ctctttgggg ctcgacggag ggaggaagct ctgcttgaag cacatggggc tggcccaccc 300
tgtagtcaga ggtagcaagt aatgaggagt cctcctggag tgcctcagct ttagctgggt 360
aaggtagggc gttgtgccat tgtggtcaaa taacattgca cgttctgaac tgtttcttta 420
ctaggttaac gtccctaaaa cccgc 445

<210> 2673
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<400> 2673
gcagactagg atggctgtat cactaacagc agctgaaact ctggcccttc agggtacaca 60
gggacaagag aagatgatga tgatgggacc aaaggaagag gaacagtctt gtcccaggnc 120
ctgcacatgg acctgcacag gaagagccat gggagaagaa ggaatctctg ggagcagccc 180
aggaagcact gagcatccag ctccagccta aggagaccca gcctttccca aagagtgaac 240
aggtatattt acattttctg tcagttgtta cagaagatgg cccagagccc aaggacaaag 300
gatcattgcc acaaccaccc attactgaag tggaatcaca ggtgttctca gaaaaacttg 360
ctactg 366

<210> 2674
<211> 233
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 2674
acnccctcat aagggaacaa agntngngtt ccacnggtga gnccgtnttg nactatggat 60
ccccnggctg cagattcggc agagcagaga cagagggagc cagccgggcc ccaggtgtcc 120
tcggacgcct ccgaaatctc ctgcgtgttt gtttcttcgg agcttcaccg gagcctgact 180
ctggaaccgg cctgtctgcc tgctgcagtc ttatgcattc ttagaaacca gat 233

<210> 2675
<211> 547
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 2675
gatngtatnc aacccacact aaaggnaaca tangctggag ctccaccgcg gtgcgnccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgagcttttc cattaaaaag 120
aaggaggaaa agagaaggag agcaagagaa aaaaaaatta ccttatatgt ctgtcttctt 180
atataagaaa gtgacaccat acaaagaaac aactattcag gctggtgcta gagggttggg 240
gagccgagga atccctgggg agcagtcaca gggaattcca tccaaaagtc caacatgcag 300
tgaatatccc acaaatgtta gtggtgcctc tgcagaggta gcaatgttga acgcctcgag 360
tattcccgga tgattttgat taatttcctc attccttttc tcctgagtcc agatatcccc 420
agcatagatt gcttcccaca tagtatctcc aattttaagt aatatatagt ctaatatctg 480
tttctttatt ggctaagtgt ctttctctgc gtctcctcta tatcatcaat agtcctctgt 540
catcttt 547

<210> 2676
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 2676
ancctcacta agggaacaaa gctggngctc caccgcggtg ncgnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agctagagag caacatgatc aagctttgcc 120
tgtagaagag taactgagca tcgtgtgcag aatggatgag agagaagcag cagagagaca 180
gcaaggccat tcagcaagct caggtggcag gtcccatctg atggaggaga atcaattcaa 240
ggagatgccc ttcctttaca gaacaccctt taacagcatc caggaggaac gagaggctgc 300
aatactgagg ctttcaaagt actcacgagg atgtccgaga atggctgtga tgccaggctt 360
ctggcaggtt ccagactcca tcacaagccc agcatccctg caccagatct gacatcgctg 420
ctgttgtgcc agctgtttat gaagggcctg agtagctagc aggtttttat caggagccct 480
gctgggggct tagacaccaa aagagaagtc tcatcctctg tagttcttct tgtgaatgtc 540
cttttagaaa aacaattaga accaaccaca agcaccaaag t 581

<210> 2677
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 2677
nanagccaac cngtcactta aagggancaa aagctggagc tccaccgcgg tgcgnccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gagggccaac gctggttcta 120
tccctgcttg ttgctttttt tttccctccg cttcttgcga cggagactgc tgtccaggaa 180
gtgcgcagta gtgattctag agaggctgga agctctcctg gcgacgctgg ggccgcgaag 240
ggctcacgta atgactccta ctcctggtga gcgcaggcgt tgcggaactc accgtcccac 300
aggacgtgtt tccgggggta cattaattgt ggctggacgc agtggcgcgg cagtttaatt 360
ctccggcggc tgcagattga cgggacgaga tggtcctggc agggctcatc aggaaactcg 420
gtcatcagct ggccgagatc agggagcgcg ctctcaagag tattctctgc aagattgagc 480
acaacttaat ctgctacgct gatctcattc aggagaggca acttttttctt catttgctgg 540
aatggttcaa tttcccgtcc gttccgatga aggaagaggt tctgaacctg ttaagcagat 600
tggttaagta tcccccagca gtccaacatt tggttgacgt tggtgcagta g 651

<210> 2678
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<400> 2678
tgaacatgca gtatatgttc agatagaaaa aggaagtgcc agaataaccc agctttaaaa 60
aggtcttcag aagaaaggaa gtctcacttt ttaaaataaa caaatgagan agtgtttttg 120
angaggagca gaaaatggag caacttgatt ncagagcact cgctcccctc gtgatgttgc 180
cggccacacg cacctgcgac ctcgtgcaga aacgtgcagc agtgctttcc agctggtggc 240
aggtgatgta catggtacgg agacagaggg acgccatggt ggcaggtgca gccgtggtgg 300
agagcacagg gcgacactcg gcttgg 326

<210> 2679
<211> 343
<212> DNA
<213> Homo sapiens

<400> 2679

ccatcctgtc ctgccaagtg tacatctcgc agatcctggt ggcctctgcc cttgggggcg 60
tggtcgacgc cgtggggact gtccgcgtca tccccatggt ggcctctgtg ggctctttcc 120
tgggcttcct gacggccaca ttcctggtga tctatcccga cgtgtcagag gaggccaagg 180
aggagcagaa aggcctgtct tccccgttgg ccggcgaagg cagggccggc gggaacagcg 240
aaaagcccac cgtgctgaag ctcacgcgga aggagggcct gcagggaccg gtggagacag 300
agtccgtggt ctgagccgca ctcccgttta cacacattcc agc 343

<210> 2680
<211> 354
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 2680
gttttaagca tgtttattca taaaaacaag tcatngntgt attttnnatc tttaagaatg 60
cttaaaaaag ctaatcccta aaatagttag atctttgtaa atgcatatta aataataaag 120
tatgacccac attacttttt atgggtgaaa ataagacaaa aataatagtt ttagtgagga 180
nggtgctgag taaacataaa aactgatttg ctctcagctg atgtgtcctg nacacagtgg 240
gaagatttta gtacacactt agtctaactc ccccattata cagatttntc actatatata 300
tnactagaag gggctaangc atattcaatg tattgagaaa cnaaagnaac caca 354

<210> 2681
<211> 156
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<400> 2681
tagtggatnn ccgggctgca ggaattcggc agagnccaaa aaagtagttt agcaactttt 60
gttggtagtc naccatcgcn agggccatag tgtagagtgt gaaaagctac cgtgaaacnc 120
agtaatccta ccctgcaang tgantgccct gccaga 156

<210> 2682
<211> 219
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<400> 2682
aggcctgcnt ccagggctgg nctgaaggcc tnacccctcc tgcngaaaag ctggccgccn 60
aaanaatgtc tctnagagac tgcgagaacc tttaattttt tnccggctgg ttcggatttg 120
gggtggattt tggttttntt ccccctcctc caatntcccc caccccttcc ccgncctttt 180
ttttttttt tttnaaaann ggtttttat nttgaaatt 219

<210> 2683
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<400> 2683
cctgccgccc ccagctttgc ctggacactg acttcattca tggtcctcct acttcagggg 60
cagcctccca gttcctctgc ttccaaacta tgcaacctcc aacctgctcc agttccagac 120
tgtataacct ctgacctgca ctggttctag accacaacac cagattgtac ccagatagct 180
ggggattgga agtgaggagg tttctcaccc cacagataac ccaagacaca aatgtgcaat 240
taaaagttta ttttagacca caaaaanaaa aganaaannn 280

<210> 2684
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<400> 2684
ggcacgagga aaaagcccgc ttcagaaaag cttgtcatta tccataggat acgatactta 60
attttacgct tccttatttc ttaggtggtc cacaattagt gaaaatctgt ttgcaaccac 120
tggttatcct ggcaaaatgg caagccagtt tcaaattcat catttaggac accctcagcc 180
catcctcatg ggttctgtag ccgttggatc tggactgtcc tggcatcgaa ctctccctct 240
gtgtgtaatt ggnagggaga ccacaagctg ttgttttggg tgactgaagt ataaagtgtt 300
ttcnagtacc ttagattcac aaactttgtn tttttagtac anatttggaa gaattccnat 360
agtaccacan tttggaag 378

<210> 2685
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<400> 2685
agagagagag agagagagaa cagtctcgag ttttttttt ttttttaaa tgttaagatt 60
ttatttacaa agctttttg ttgtacagaa agtaaaaatg ctgttacaat ctcagtgtaa 120
ctggtagcca cagacggttg actcaccaat cacagctatc cacgctacag caagantctt 180
acacaaaaac ctaacaacgc ttacaatttt tttggggtga agtccacaag cttggtggta 240
gattaccaag agggactaca tggaaggaag gcggaatgtc acaggaacta ttctttggct 300
cttngggtgg gtgggtgtcc tggggtttgt atcacagcta ccttttttt ttttttaaac 360
agctacaaaa tccatgagca gtccaaccaa tactgaacag ttctgtttct gcaggtcatc 420
tggggtct 428

<210> 2686
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<400> 2686
gtccggncac ttatagggaa agcnggntac gccgtgcagg taccnggtcc gggaattccc 60
gggntcgacc cacgcgtccg cttcttttag tcaggctttc tgaacattga gatatcctga 120
acttagagct cttcaatcct aagattttca tgaaaagcct ctcacttgaa cccaaaccag 180
agtactctta ctgcctcttt tctaaatgtt caggaaaagc attgccagtt cagtcttttc 240
aaaatgaggg agaaacattt gcctgccttg taataacaag actcagtgct tatttttnaa 300
actgcatttt aaaaattgga tagtataata acaataagga gtaagccacc ttttataggn 360
nn 362

<210> 2687
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<400> 2687
aaggagtcta acacgtgcgc gagtcggggg ctcgcacgaa agccgccgtg gcgcaatgaa 60
ggtgaaggcc ggcgcgctcg ccggccgagg tgggatcccg aggcctctcc agtccgccga 120
gggcgcacca ccggcccgtc tcgcccgccg cgccggggag gtggagcacg agcgcacgtg 180
ttaggacccg aaagatggtg aactatgcct gggcagggcg aacagaggaa actctggtgg 240
aggtccgtag cggtcctgac gtgcaaatcg gtcgtccgac ctgggtatag gggcgaaaga 300
ctaatcgaac catctagtag ctggttccct ccgaagtttc cctcaggata gctggcgctc 360
tcgcagaccc gacgcanccc cgccacgcat tttatccggt aaagcgaatg attagaggtc 420
ttgg 424

<210> 2688
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<400> 2688
nancgagtgg ttatcttgcg gtaagattat ggatgatatg tatgtttttt tcttcgtatt 60
tnctacctta aacaaaaagn tagaaaatat gttttaaaaa gttatggatc atttgtttaa 120
ctttaaaaag cagaaacaaa accagaatta accccaaaac atgttgattn agtcactnct 180
atgtcactgt ttggcataac tctccttttc atgtcacata ttcttgtcgg ttctagtgat 240
tgatcaaagg acacctctnc actttccctt gtccctnggg caccctgtnt t 291

<210> 2689
<211> 282
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<400> 2689
aattcggcan aggattggag taaggnttgt attttgaggg acatgaatgt ccaaagtttg 60
gaccatgaag atgatagaat cccaaggaat agctgaattt taaaaggctt tccccccaaa 120
aatgggcata tatatagtag taataattgc tactgtgtac atttgtttta aaaaatccta 180
gtgcttgtgc aagtgtaatg aattttgcct tatgacatga ctttgtggtg actatgcaat 240
ctgtncattg ttncaaaaag ttacacagtg ncaaaggaac at 282

<210> 2690
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 2690
aattcggcac aggcgcaatc tgcaagtccc aggtagccga ctcgaggaag aagcaggccc 60
ggtnctgctg cagtgcccat caccaccacg aactctctca gcgtcttctg ttgctccgct 120
gccgtcttca tcccatgcgc ctccccacat ccactacttt cttatcattt ctaaagcatc 180
cttgagtggg acttttgtct ttctccngag aggggagctt agcgcttgng gttnttgagg 240
atggtttaat agaggggnat gtgnntagct ggaacccaaa ctcttgtgtn nttggtgtga 300
cccttgtntt acacaatgtt ngtctatggt ggattggttn cacngaggnt tnnngtntna 360
tnagntttna aattgntnat tgtgntagnn gaagttncaa aagtgttttt gaaggtaanc 420
agtaangnng gnttanaann ggcanttntg tgacgngaga gngtgttntt gngggggagg 480
gnntntgnat ttttnggnna taaa 504

<210> 2691
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<400> 2691
aattcggacg agaaaaaata gccctcttag gaaaagacat aaaaagtgaa cttacgttgc 60
tagagagaag cttgcacacc atcataagat aaaaaacagg cctctggctc caccgtctca 120
ttgaagtgaa tgctgtttat cctccccact aatctgcact cctcacatgg gatcacagcc 180
cagacaacat ggcagacaga gaggcagatg cagagctgca ctgactcagt gggaccagct 240
ggggtnggtc atttaaacag accactcctg ccaaacagcc tgcggtgggt ggaacaggaa 300
ggacttcctt ggcctcgtnc acatgggaga aaagannttt ttttttcccg gagacatgtt 360
atagttggan tanttnatta cattattttg ggttgnccan ttttttttaaa aaacagttan 420
cgggtttnaa aaatttanan aaaatggggg nganttngta aggttngggn catttgatta 480
tttcannagg tttaacccat gg 502

<210> 2692
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<400> 2692
aattcggcan agtnttcaaa gcaagtatca tattaggaga attctgtttg gatctcccat 60
ggatatgggg catgccattt attttcccaa ttataaaaga gttttctcag tttgtatctt 120
gggctttta ccttcaggtt tttttttaat gtgattatct tcactctctg gatatccaat 180
tttgttcctt ttaagataag agacagaagg cacatacagt tggatttgtt gatgacattt 240
tgttggacaa catttcttca tgaatgtttt tnggcattgg gtgattaggn tcctacagaa 300
caatattttn canatggnca cacngtttta aaagcatgaa caacaaagtn atcnntggaa 360
atacgnannn ncaattatgg gttttgtaca tttnnaggtt nccctngnng gggccatttg 420
aataatnnan gggttatatn ttggggcntg gnctnggggg agncttncgg tngcggacgg 480
nggccaancc nttttcgggn tt 502

<210> 2693
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<400> 2693
aattcggcan agncttaaac aaaattccaa gaataattct tgctttaggc cttgcctaac 60
gcaggaactc acagtgtcac cagaacccgg tttctttcag ttccgttctt acccatgtta 120
gttccttttg caatagactc tggcctaata agtggcaaga cagctttatg caacttctta 180
tatcttctca gagtgcagtc tggtggggaa agactgaggg acccaggatt ctcatggtgt 240
ttcatagggt ctgactgggt gatgtccccg tnttatgaaa ccaattgttg tgggttgcaa 300
aaatgtgggc agnttccctt ggattcacan ggattttcaa nntgttagga ngcaagtggg 360
tngcaacatn gaaggnncct tgggggnccc agagttnggg aaggggngga ntttcccaaa 420
ggaaantttg ggggttntnt gccnaggggg nggnatttnt ggggnnggga anaannangg 480
gaacctttt ttttttgg 498

<210> 2694
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 2694
aattcggcac gagttcatgt ttgccttctt taatttggaa aacagctgat tgttatattg 60
atgagattaa tttgcttagg ttagacatgg gagtgttttt aatttgctac cgtctgcttg 120
atcccagatc agagtctaac tttttgcatt agctcctctg actgggnatt gaccaacttt 180
gtgaaataaa agcctgcccg ctgctgcctc tgagactcag ttattagtac ccatggaagg 240
gctttaggca ggnnagctct tcagggaact cagnggagag tcggtggnna tcatggntga 300
tggcattcag tgggncagnt agcccaggca cagggtgttt aaantacaaa catttnntca 360
cccatatgng ggaggttaaa aaaagtnaat ttcgaaaaca tttttttaat ggccttaact 420
tngggggttt tnttttttaa aaaggggaac angggggttt ttggaaacaa tgggnantng 480
ttgggggnaa aaaa 494

<210> 2695
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<400> 2695
nagtnnactt ggtagctgac ttgagccatg cccttagaat caggctctat aaatacatat 60
gggctaagcc ctcanaggcc atgggaatgt ggaaacgata tgttgggtca agtgtagagt 120
atcagtccat gatgagaact ttttctagac cctcttctgg gctagaattt ggttttcagt 180
gatagagaca ttctaagaat ttgtggagct agaattaagn aagnngttta tattgggctt 240

<210> 2696
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<400> 2696
naggtcttct ccccctatag caggctagct tgggttcctt nacacagtgg tttnantttt 60
ccaagtgcag caagagagca agcaccaatg tgcaagtgaa ctttnaaagc ttctgccttg 120
gcatcatgtt tgcaactgtc ctgttgaacc aaagcaaaag tttcatgaac cagcctaggt 180
tccaggggtt ggaagaataa acacctgtnn aaatgggggg aagctgncat tgttatgttg 240
gcgtgggtgt gagtggcacg 260

<210> 2697
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<400> 2697
aattcggcac agctgcagtt gctaaaggta aggttcaggc tgtttaaccc tctgttaatg 60
aacgcaaaca tgnatcaaan ctgggtagga attttacagg ttatttttcat ttctgcccaa 120
aggnagaaaa ccatttcacc 140

<210> 2698
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<400> 2698
aattcggcan aaatcgttca gggtcccgna cattgccatc aacagctgaa cagcctgccc 60
gtgaagtgga agggctggga agggccccgg gtaaggagtg ggaaatggtg agaattgggg 120
taggggggagc taagaggggt tncagcccaa ggtgtactta acccagcacc tagagaaacg 180
ccggagtctt aatgggtgtn tcnataagat atctttcgac tcttgg 226

<210> 2699
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 2699
aattcggcan aggcttccct ttagatatgt ctgttccaat gatcctaaaa ggtccagatt 60
gccctgagcg agtaggcatc aaaacaatgt ctcctctgaa ataaactcag gcattccacc 120
caggaacatg gccaaccgnc gtaaccacaa ggaatgggga ccacagggag gaggttggag 180
taatgatgag cttaccacat tgatcattcc atcaaagtgg gtacatattt accaggnagg 240

tggactttta ctgctatttg caagnatgtt gaagnttgnt gtggggtgtt tcantggaaa 300
gtgcccagga gagancagtt agtatgtgga ccctgttnnt tttggggnnc ttngnggntg 360
ggggagngca cttganccan tntttgggta aggcntaatt ncaagngtng gggntttant 420
gtnttntaag gntttgtntc tactnttttt nggnatacag ggtttnatng aannnnggtt 480
atgnttcaat ncnnntttna ag 502

<210> 2700
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2700
aattcggcan ancccacccc caccatcacc accatcacca tccaggctta aaagcccctg 60
gctacccctc ttnaccagta actaccgcct ctggtactac cttgcggttg cnancactgc 120
aacctgaagg aggatgaacg atgaggatga aaggaagatg aatgatgnac ttatctgnag 180
ggcttatgaa cagctncaga aaagggaact ttctnnactn cattgaatga tnccttatga 240
atgccagcta aacttcagaa ctcccagtga aagattgctt gatggattga gaggccccca 300
ggnatggggn ccccattngn tttgggggggg nttgttgtga ttttcaaatt ttnantttng 360
ggnccctttgg gatttatgag gaaangtggg gangggngnc agggngnggt tnttgggggg 420
aagttnccng gattttccag ggagggttga naaaggggan naaaaaagna aaaaangnnt 480
nnccntagtt tntn 494

<210> 2701
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 2701
aattcggcac gagggaaaaa tatttgttaa gaagtatctc tttggagcca agccacctgt 60
cttggtttct ttctactaag agccataaag tatagaaata cttctagttg ttaagtgctt 120
atatttgtac ctaggattta gtcacacgct tttgaagaaa acatctagta tgttatgaat 180
cagctattcc tgagnagctt ggttgttaat ctatgatttc tatttcntaa gtggtagtca 240
tctttgnntg nataagacta aaggatttct ccacaggttt aaaaatttta atgnntactt 300
ttaaggggta aaaattatgn aggttattgg tttctgggtt ggggttttcc tctaggctna 360
atnncatgat ccccaaagng gtnnccaaaa tgttngantt ttncggtggc cagnttggaa 420
ttgnggggnt gnggggnccng gtacaacccn cncggtangn ancnccattg ccctgttttt 480
ntccccgggg nct 493

<210> 2702
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<400> 2702
aattcggcan agactttaat agaataagga ttgtggccac atttaataat tgccagaaat 60
atgtgttcat taagcttttt aagaaatgtg atcgaaaaat gctgatgata cattgtgttt 120
aatagcttta ataaaaaact gataaagcat ctaatacatc taatgactgt nggatttcct 180
aaatctttta agctgaagga gtttactttt gacaaaaatc ctcattgaaa aagaatcttc 240
cggtaaaaac attgaactga agatttgcat aaatgcatgg ngtattactn tntattaagt 300
taaacttntg ntcttttaga ggcgtanaag tcagtctntn ntctnacaat gaattggttt 360
gggccttnan ggnntttatt aatnggtngn gccnaccgtt tanttgaaag gggcggttng 420
ncacgnggtt ntngnccgga ttggtnnagg tgggcttgnt tagggnnggg gaacagggtt 480
tttgcccttg gggggggnnan 500

<210> 2703
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (502)
<223> n equals a,t,g, or c

<400> 2703
aattcggcac aggactntnt ccagccttat ttttgctttc tttgatttct gagttactca 60
gaaactattt cagggcagtt taagaaggct gtacagttta gtgtaggtat atggnacatc 120
ttttttttgtn ttgtactatt tcttttggac atatgtttgt gaagctaatt aaacttttct 180
gtttcactng gtcactngag gttcataggt ttttctctta aaagacagaa taggactttg 240
ggnntgggtn cactgnccac ttngtttgna gtnatnttag ggnagtgctc cacagaaagg 300
tctttttnat ggtggggtcc caaaaaaatt taccccggtn tttgatgttg cnagtgngct 360
tttnagaatg nctttttnaca ngngagtngg actgtttnan aggnaanggg gnntgttgga 420
agcaacagga ggcatngtga gtagaggacc cngnnttttt tagntngggn gnaaacnnan 480
ggttcagnaa gaggattcag gn 502

<210> 2704
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (246)
<223> n equals a,t,g, or c

<400> 2704
aattcggcac agggaactcc accagcaacc ctcacccagg accgcagctc tggagacgcc 60
anctaggccg agagctggcc agctccccaa gcacancaaa gcctggagac gctccagntt 120
gggctgggcc cacaaagggg ccanagcctc agggaagggc tccaggagca gggtttccaa 180
gggaagccac tttccctctt gtccacggnc caggcattga tgccccTttt gggcagcanc 240
cagggncttc caaagtcggg taagggtggg gcatgggggg 279

<210> 2705
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 2705
attcggcana gcttttcttc aatgtccagt atcacctggg gctcctatgc tatgntggca 60
gtttgagctg ctggagctga ggtttgggcc ccaggaccca tcagtcctgt gggaccatct 120
gtgaagactg gctctgagac ccagtgacct ccatatctgg ggacagttct gtctccactg 180
gtttttgcca ctggatggga cagggttgag gtggcttcgt cttgctgcct gggcattcct 240
ctttaaaata ccctggnctg gccacactgn taagacccat ttngcagatg aggaaaatga 300
aaggctaagg naagatgnac aantttgag ggncctgtgg catcgnggcn gtttttccag 360
cccggncaaa agttgacccg atgtgaatga aaggcccagg ganttggggg aagcantngn 420
caatnaanna ggngtgtaat ttngancccc aagngggncn atttncccna atnaaaagng 480
gtttnggngg taaaaa 496

<210> 2706
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<400> 2706
gaattcggca cagtgaccat ttctcccatt cctactccat tattggtatt atctcataag 60
gattgttttg tgttttgaga atttatttttt tcctcaaagn tccctcacct atttcctcca 120
aacagacaga attcaaagaa agaatagccc ttctttcatc cattatgaaa tgaatttttc 180
atttgagcat gtcattttgc ttttttgttc caatggagat caaagggata caggttnacc 240
cccagtgttc agcagttctt ttcagttctg gaccttnaaa gaaaggggtc tggttgnaat 300
tgttgcagan ttagntctnn tncaggcatg tggggacncc agatgnntgg gtgtttgngg 360
nagccgagtg cttgtnatgn gtaacgtgnt gttttaanga acgggtggna agagcnngga 420
aattgggtgt tttcanaaca tttngtaggc aatggcccaa ngntacacat ttttaagggn 480
ttaanttggg gnggaaanta a 501

<210> 2707
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<400> 2707
aattcggcan aggcttgaat tgatgggttt aagaatagat tttaacataa taaaacaaat 60
ttaactcaat tctatcagtg tacaaagtaa ataaaactta atagtaattt agattaaaaa 120
atttatagaa tttgctgact gcattgtgag ctaaaatatg agctaaattt atgaatgagt 180
tgtttggctt cccaaggnaa cttgtgnaga actgaaaatt tgaagtatca gaaaaataac 240
agtgtgaaat catgaaagga ttctcatana atatatctgg gtttgcagtt tttgaaangg 300
gcagtgtagg gggnaacctt attaaatctn aaattttcca nngtgtactt ncgnattntt 360
agccnctaag ggaaaggtna aattgtggtt ggttatacag nggttnttaa tggncccaat 420

naaattggcn gcnaaatnng gatnacccgc ttnnngtttg gtatgggggc aaggtcnncc 480
tgncgttcca ccggnanttt g 501

<210> 2708
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 2708
aattcggcan agnttcaact cttgaatcaa acacaccctt attaaatgtg cttttnacat 60
caacagtcag tgtctgtnat tcagctctgg gagagagccg gctctggctc tgggagagag 120
cagcactgcc gaagtgaagc tgatgagagc tcaccagggt atgctggaag gaggaggatg 180
agacaagggt aatttgagaa gtaagaagat tgatatggta atgcacacac ggctacattt 240
tacttcccat attctcttgg tgtatctata gaaaacaaaa aagangcaac actatggtaa 300
gaaactaact gaagtttttt cttttccatt gcctaagact ttgttttgga cttatatagt 360
attattaatt accnccagtt aacttccaca tggnntttat tgtcntngnn ncggtagttt 420
tggggggggc tcaaaatctg gaggcnttgn ggatttatgg atttagtggg gggctnggta 480

ccctgggtnc tttggttc 498

<210> 2709
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 2709
aattcggcan agcattttna aatcctttat gaaagctata agatctgctt ctgtgtgttt 60
gtatgtctat atgtgttacg tgtatgtaat aatattttgt aaataagctc gttcttaaat 120
cgttagtaaa atagaaatgg ctttacaatt atccattaaa tataattaga tatttgcttg 180
atttaactgt gaagcttatg tctttngttg agagtttctg ggattcaggg ggtcttggat 240
agaggaccat gatgaagtat ggagacatgt tctcagtgcc tagaccagca gctaaagncc 300
agatccaggc ccattcggcc ccttctttcn gtggnttccc cgnttttgcc cttcggggtn 360
tttttagggg ggggttgggn ccccccggtt tnggcctnca aanttnngtc tttngncccc 420
atgggcttcn ggnnggcccg gnnttnnang ttttcccggg ggccnnnggg ttnttngggn 480
ccnaaaatnt ttggg 495

<210> 2710
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<400> 2710
aattcggcan agctgcatgg caccgtcctg cggcacgtgg ccaatccccg cggcgctgtc 60
acgcngnagt acaccgtagc caatgtnatc tctgtcggct cggggctgct ggtgagcgcg 120
gcaggcaacc cgggcggggg accgggactc ccggagagcc cagcaggcca aaggctttgt 180
ntcttccaca gagcgtttcc ntgggacttg tggccctcct ggcgtccaga aaccttnttn 240
gncctccatt gcactgggtc ctgctggcat tagctctggt gaacctgntn ttgtncttgc 300
ctgttncctg gggcttcttt tgttgtgtta attattgtgg gncaagntng gcnnnngntt 360
nattgttnna tnnnaannag gatttttgg atctttggta acaatgggnn gaggggnncg 420
ggaaanattg atttnnccttt tttaannccn aaannatttt ttgntnaaaa tttggntttt 480
tgggaanctt ttttnnt 497

<210> 2711
<211> 194
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 2711
naatgccgac gtgnatgtac cnagcctgtc ccagnttaca ggatgccccg tgtggagaac 60
tgcccagatg cagctctatg aacattatgg aaaatgtgct ggtaagaaaa ggcagttggt 120
gngaccaacg tttgcactag tttccagggc gtcctgggtn gttttntgca aagccccggg 180
tgggggggatt ttcc 194

<210> 2712
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<400> 2712
natnaattga ctgtattcag aagatactat atttactcta ggagttaact cccattntaa 60
gcaagctagc acaggtgnaa aattgggtga agtttttgaa taacttgtca nt 112

<210> 2713

<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2713
aattcggcan agnttttcac agacccaagt naggaatgaa ttctctaagc agtccttcac 60
tgtaatgtca catgatgttg aaattatcca tgggtgtttc tatttaattg ggaaaaattc 120
cctgttcttg ttttactcat ctttgggaaa taatcctagc agctaggnat caggtttgaa 180
taactaatng gatgattaag tgaaatattt ttaaactaat tcagcgtnta ctccttttag 240
acaattccat actggaaaat aatttcccca catattccat tnaggcaagt aaggtggncc 300
aatncctana taaacttagg gggggtttcg gtggtntngg ttttttacc cttncccggg 360
nnttttttt ccnnttttta tntcggnntt tgcttttggg ggaatttgcc ccngggggn 420
ttctgttttc ccggcntttn ntttttttnc aanctttttn cnnggggttt tngggncccc 480
ccttttngga antn 494

<210> 2714
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<400> 2714
gaattcggnc anagctaccg tcccagatga gctgcaggaa gcgtttcgat gtcatgtgga 60
ggagccgccg agtgattgat gggcccnagc ttgaatggaa agtccagatt ccagcaacac 120
agcttaagag atgaaggttg cttgagcagg aaatccaccn atggcccaaa gaggaaagat 180
ccgctttaaa tgcctgggca tatacttcca agaaccagat gtggcctgtt ccttacaact 240
ccttgggntt tagatgacag tttgaaantt tgngggt 277

<210> 2715
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2715
aattcggcac aggggttcag gtgtttcaca tttgagtgac atctcctcag ttctcttagt 60
tgtatgtctt tggaacagtt gggaaaatgt agttcttatt ttcagtcaca ttatagtgaa 120
cttttagtta tggattacat tagttaactt ttaatttctt ctgtttcttt tgaaatttta 180
tttcatcttt tagttgattg ccttttcatg tatatnagga agttattcaa attccacgta 240
tgnaaaaaga caattcttta gcacataaaa acttattact tcgtgaggat agaggaaaga 300
gaaaatgact aaagttantc taattagagg aatggggaag tggtntttgg gnacaattaa 360
tccnnngctt tnttgatttt ataggggaag ggtcatnagg tntccnggaa nccngtacng 420
tagttgntcn ntgtcaccag ccntggccnc aattggcnnc cctgggnttt ggtaggaagc 480
cggatnccnt tccncc 496

<210> 2716
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<400> 2716
aattcggcan agcaggaatt cacttttttct attgagattc tggttagagg gatatccaga 60
aaagtattta ggaacgtggg gttatggtgt tttctgcatc tgtttacgag atcatttctt 120
cctcatttct ctcagaactt tggtgttaac agcctgnttn cctcctttag gggatgactt 180
tgaacttagc agatgnctta catgacaaag gaaactgtga gtaactcctt aaactctcca 240
ctgtgggntg acttgcttat natcaccaaa ttattattgt tttcccaaaa acgnatctcc 300
tngtggatgg tccatggnaa ccnnttttnn nccagngggn aatntnnggg ggttangggn 360
ntttntngnn tnnttttttgg gggatttttt gggcccttnn ttttggnttt ncccccccttn 420
nnnggggggtt tttttnaaaa ccncccagnn tttggggnng gggggggnaa ttnnnccccc 480
cgncccnaa 489

<210> 2717
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<400> 2717
ggcagagctg aaccccggcg tgcgtgggcc gtgggctcgg ggaaaggttc cgtgcactcg 60
gggactccgg tgaagcctgt tcagccgtct gtntcatgtg gccatcttga gtctactctg 120
tcgctcttgt gccctagcac cccgagaact gtcagtttga gccagatgga agctgagctg 180
aacacattac gatggatgat ggaaacataa gactatcaag aaatccaagt ggtaatgggc 240
gaatttattc agcatccggc aatggactta tcgtagtttg gggaaacggg gtgtttccga 300
taatntcctg gagttatcag gacacctttt ttaaatttgg ggcctgattt tngtaaaagt 360
aattntttaa ggtggtccng gnttaattta attaaaangc tttaattca 409

<210> 2718
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<400> 2718
ttttaaaaaa aagagttact tcatttttn attcctcttg gaaatgccta aaactacagc 60
aagagaaatt ntagacttct tgattttaat gcagatgatt taaaccagat gatcataacc 120
ttttnatgga agtagtacgt atatttggcc cccagggacc tgagaatccc cagtgctcca 180
naggagacac tctgcagaag aatgtntgtn ttccagaaaa gggagtaggt cctctggtgg 240
cagctgctac tgtgccagtt tatatggggc cagttaagat tagnggctga ttggccagct 300
caaaaaagct gnttaaaaca caaaaaaaac tcaagagagc ttttgccagt gctcntttgt 360
ncccntggga accc 374

<210> 2719
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<400> 2719
cggctagccc gcctgggaat gcccttggcc tccntntncg tncccacatg cagggcagca 60
caaggagaat ggncgtnatg antnatgtcc accggngctt cctccanttc ctgatgaccc 120
atggggtgct aaaggaatgg gaacgtgaaa ggccttgcag aggcactgct acaaggtcca 180
tgaaccgcag tgcccaccgt agatnaantt ggaggacttc atccaacaac attnaacagt 240
nttttggaag tccttgtata ttgagattaa agagaaggag tgcacggaaa gatgatgggn 300
agacccattt tatgnnttgg tg 322

<210> 2720
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 2720
ggcagagtgg gatgtcaccg gttcatgctg aagagaaatt gtaaaggaac tcctttgcct 60
ggctcaggcc ccatggnctt ctnttnatgt tttgtccccg tccctttgtg agtcacagca 120
gncagtgggg ctggctggna ctgtgccagg cgaaggttca agggatggag gtacagttgt 180
gtngaaaggt ggagcctngc tgggaccggg gnagcttttc ctccaaggcc tncgcctggn 240
cttatgaatg gncgttnagg ggttgagggn gaaagctttc atcccaaaaa tggcaccagt 300
taacttgggn atgttcaaga atgnatggtt tggctggntt cttcagggat tggngttcaa 360
ttttccancc caattgaacc tttcc 385

<210> 2721
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 2721
ggcacgagcc acagtaagcc aggctcaact nagacaacac tgtcccctgg cagcatcaca 60
acttcatctt ttgctcaaga ntttaccacc cctcatagcc aaccaggctc agctctgtna 120
acagtgtcac ctgccagcac cacagtgcca ggccttagtg aggaatctac caccttctac 180
agcagcccag gctcaactga aaccacagcg ttttntcaca gcaacacttc agcctatccc 240
agagaaaacg gcacagggaa cagtatgatg tgcctcaaga gtgancgaaa ggaaggcacc 300
cctggaatct tnccagaaga cggccatctg ggaaggacca gaatttgagg gcgngccnat 360
ttcgggnctt g 371

<210> 2722
<211> 472

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 2722
ggcacgaccn cgtccaattc ggcacagtng gcactttaca aggnattnnt ttcacaaaca 60
cattttnatc ctccaacaac attttntnat ggtccctgct gtggaanata gtaatgtaaa 120
atntnactna cccccatcac acattgcaag cagcactcac ttctttggaa agctgagctc 180

tgcatgcaac atgctgccca aganggnaag gaagcagcac tggagacctg tgtttcgtaa 240
ctaaccaaga taagggcatt tttttccaaa tgtctgtgga gggggtcaca caattttnaa 300
ctatttactg ctgtnaaccc catttttaaa agtgtagtct gtgaagccat ctgnaatcaa 360
agttctcttg caaaatccng gccaaaatcc agacatactg aatcagaggg tcaggtccca 420
gattaggcat tttgaacaaa ctcaggttca taaagnttga aaagtttttg gg 472

<210> 2723
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 2723
ggcacgagta atagatgctt tcaataaata tttgttagtg gaaagnagaa aggaatgant 60
gcatgataac tattggacgc aaaatctgtg ttcacaaaga ccatccaaat gcttttaaac 120
tatcaaattt cttttcctac atttggtaag ggtgtggcat tgatacccta ctgggattat 180
aaattggtaa tggtttttgg aaagcagttt ggtaatatgc atcaaaaact gttgacattt 240

ttcattcacc tttggcctag taatttcatt tctgagcatc tcttctatgg gaactattcc 300
taaatattgg gaaaagcttt tatttatggc atgaagatgc tccattggag ntattattta 360
taattngggg aanttaancc cccagttgtc ttaccagggg ggggnttttt taaatt 416

<210> 2724
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<400> 2724
ggcacanctg atatcagtag ggcatgcact ttttattgaa accggaatct tttnttatta 60
tcaagagagc agtaaatgaa ttaaagcaan ccatgctttc acattaagca cttggagact 120
gtagtgtntg tctagatcat gnattacatt gtagggatta taatcggnaa atnaaggtaa 180
ataaaagtca attctgctaa acagttgatt actattccca aagggaaaag tctcatttga 240
ctntctctct ttttaaactg agttnaccag aaaggntgaa ataccaaaga aggntaaatt 300
aanatggcat tgctggggaa a 321

<210> 2725
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 2725
ggcacgagga aaaaaatacg gatagtatca ccatggactt cattgcttct aactccctag 60
tagataaaaa cttggggctt ataaaaagag cacctacaca ctaataaatt tcagaatata 120
tcagattagg cattctagtt tgagaatgtg cttganttgc atttntgttt ggatgactta 180
ttaaagaaac agcactctgc cccaaccaaa ctaatttcct catgccctgc aagtgccagt 240
gtatccattc ctgctttggg ttttntctna tgtctcccaa tttcccataa tggctccttc 300
taantccttt ccagtgcatc tnagaatctt ctcttttnct tttggc 346

<210> 2726
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<400> 2726
ggcacgaggt actggttcat agccatcatc ttccatcagt accccagaga ttcactttgt 60
ctcttatgtg ggatctgttt ccagttagat gccattattt tccttttcct tggtttactc 120
ttccacatat tggtaaagct cttccaatag cttttggnaa aggaaaaatg naaaagtnaa 180
atgttttgna atctctgtgt gtttgacaat gtctttattt tacccttata cctgattgcn 240
gttttggttg gcaaggtata gggattcttt agtggtctcc atgcccagtt ttggaagaca 300
tctgctaagc tttccagtgg ctgttgctgt gggagtctga aaaatctgtc cttnctgggn 360
ttccagggtg gactactgga aattggaagg ccattctgtt ccctnccccc ttggcaaaaa 420
aanccntttt taaaccc 437

<210> 2727
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 2727
ggcagagcag gcatctttna tttggcagtc ctacaataaa atgcagttgt natggacttt 60
tccaaccatt gctcctgagt agtgctgtgt agtgtggttc acatacccat ctaggaagtc 120
tcatgaaggc agcggctttt ggatattaaa gaatgtaaca gagttttaga gagtgccaaa 180
cccaaggcat acggactttg aattttatct gaccggcact gacatgctga gactttcaga 240
ttgggaaagc catttgtggt tactgccatg tntgtnccca aattcttccc gtttagtttt 300
naaaagnncc aaggaatnat ctttgggttt aggttaggct ttgngtncta ggngaatttt 360
gggatgggtt tnnacatttt cctggcccat aagggttttt taaaaggang gnccctttgt 420
tntcccaggn tttacacggn atttgggggg ggggtaaagc ccccctggca caaaat 476

<210> 2728
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO___0122920A2_I_>

<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<400> 2728
ggcagagggt ttctcctccc tagtttctgt gtctgtcctg ttcccactgt ccctcttgcc 60
tggtgagcta gagcacttaa gttggcataa agtgctgctg caaaaatgtt aggggtataa 120
caatttgtga ntatgaaagc tcgcattaat cttccagtgt gtccatctaa gtaaattttt 180
gtggttgcat ttntgcttgg gctgcaaaat aaagctgatt ttnatttcca ggnngtacct 240
tttctccctn tncaagttta ttatnnttgn gttttgcatt ntgtgtttaa gaaacaacca 300
accatttnga cncatgtaac tttnctttgc ctcccccagt tttttgggtc tttggcaacc 360
cttgtggnnc atgtgggcct tgat 384

<210> 2729
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<400> 2729
ggggcgaggg agcacatggc aagggaatga caggccaagg tggggcccag aggctgntta 60
aggaggcaca gactccctgg tgggaggctg gggccatgag acccgtnctg cactcaggaa 120
gccacattgc aggcagactt ttttagatga ggaagcactg cccagagtgc ctcgtttccn 180
tttttttgtt ggaattggaa atgaatgctt cccatcantc gcaagcttct gtacgttcac 240
tgtgncttga cattgtggac ttctaaacat tatttntccg tgnagcgaat cctttcaagc 300
ctggtaaggg gacttnacag cttgtn 326

<210> 2730
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO___0122920A2_I_>

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)

<223> n equals a,t,g, or c

<400> 2730
ggcacgagca gttttagatt tnatcagttg gtctattttg ggatttgaag attaagctgt 60
aattcctcta cctctcctct aagcgcatac cttcctctct nattttcaca gtagagtgca 120
gttacatcac actttctggt taagttagca ttcaatattt atactatttt nactctgtaa 180
atactattca caactggaat gtgtggtatc tgtaattata ttncctttt nggtccaatt 240
ttnggcttga gtttttgga attaataata ctgccttatt atttnatttg tntgagtggg 300
tctatatagc agaagactgc ttattatagt ngtattttna aacttcccag aacagaatga 360
catgnnttta cactccaggc tgtcc 385

<210> 2731
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2731
ggcacgagag actgtctcct ccctccccgc ctgnaatgaa ccctgtnaag ggagacaggc 60
caggaagtcc cagaaatatt tattcttgtn actctcacaa aatggaaaag ggtctcaatt 120
tttgtttctt taaggaactt gtgttctgcg tctgtgtcta cactgcctcc tctcaccaac 180
caaattgtct agccccccctc cagttacgct agaactctgc tttatcttca aggaagaaag 240
ggagtnggga gaagttacct ctnaaaccct ccagcatggc catcaatttt tttggaataa 300
tttgggaggg tcaacatgct tttgggaaaa gtgttttgga aaacggtttt gggggggttg 360
aaaaggaaat nttttgcctn aantggncct ttaacttcac gggngtgacc cattcaa 417

<210> 2732
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<400> 2732
ggcacgagcg gcacgaggca aaactctgtc tcaaaaagaa atgaaagggt tacctgttgt 60
taaatgatga caancagtat tcatgaacat ttggtttata caagatttac ctttatactt 120
aaccaaaata cttcttgatg taattattat gtcggtaaaa tttaattagg aaatttttta 180
aattccaaga aaatattttc ctgtagctta agccattata tttggttcag tgcttataaa 240
agcaaaagaa taatttgtca ttcatttttt aaantagtgt tttttccaaa tttgancant 300
aataccaaca tttcatccaa tgggttaccc cnctctgctg ggn 343

<210> 2733
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 2733
ggcacgagca ccgcgcctag ccagttttat tacactgctg tagtcagtgc ctacaaattt 60
tnctcatcct gccctttttg gccaacatta gctttaatca ttatcctaaa accaggaagc 120
tcaatctacc atgctttcat ccttgaaata aatttgggaa gtgacactca ggtcagaata 180
atttatggtg gatggagaca ggtgagcagc aatggaactg tcaaggggga ggatttttcc 240
actaccctct ggaggggtta gtggagccct gttgtatgaa aggaactttt aaaaccatgt 300
gtgtctctca aaggggatac ggctggataa ctagtggnta ggcagatcgt ccattaaaga 360
tgggatatta gatgtctaaa attttaattc ctaccagtaa accctgtgat gatggggtat 420
tattaattcc ccatttttac aggccattta attgaagggc tcaggaaagg ggttagtngg 480
ctttttttntt ccaaag 496

<210> 2734
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 2734
ggcanaggna gaccagaccc atcagaantc cagacgacag ccaagcatgg ccaagaaagg 60
aagtgctctc aggcctatgc aacagcctgg tgggatctca cagtgggatc ctcctcaaga 120
cctcatttgc ccctgcctac aaccacaaag aattcaaggc agttcctacc aggaaacaat 180
gtgagatccc agagtcctga gactgggatg gggttcttgg aaagtggtct ggactgcctc 240

ttgtggaaga ccctgcccag agcccctgng tgtgaagcac aagcagacca ggacccaagc 300
aattggntcc catgnaaact tttggngccc cnattggtta agatttt 347

<210> 2735
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)

<223> n equals a,t,g, or c

<400> 2735
ggcacgagct tggcctgtca gctgtncatc tgtaattcan cctgcnttat tcataatgta 60
actgaagctt gggggtgggg aggtaagaat agaaaaaacg gattcatgtt acagtgtggc 120
aggtgcagga gatggaaant ggcccagttc attgagaccc ttctggcctt cccatactat 180
ttgaggaagg aagagcagtt catgtgaaaa attgaacaac aaacctgtct tccagacttt 240
ctcaaacata ccaaatctta tggggtgtgt gccatttctg gcatgcaggg aattctggat 300
atgccaggtg tgtttggctg cttgactcca cttgaaaggg gaaatgggct ctgcntttgt 360
actgtgggca gttgggcaaa ggactttgac ctctgtgttc caattttggg acagggaaaa 420
gtgccagtct caacatgcag gttnctnggc ataaaccagc gggttggtag ggaaaataac 480
cncagtttnt gtttagacac t 501

<210> 2736
<211> 75
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 2736
ggcacgagct gccatctaaa atttcatttg aaataagtat tctnctgctt tcaaaaaaaa 60
aaaannnttt tnaaa 75

<210> 2737
<211> 86
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 2737
cggcagagcc acaatgaaca gtncacttaa tnccctgggt tttccaataa acagtttnaa 60
ggatataant nggtttaaaa aataat 86

<210> 2738
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO__0122920A2_I_>

<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 2738
agaggggncg catccatggt taatncacac ccnctgtcta tnaacttttg gaatcn 56

<210> 2739
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2739
ggcagagcgg cacgagcagg aatattgctg tcagtcctga gaggtggcat ttactggcag 60
atagacctca gacaagtaat tttactcctg taagcctgaa ttntnttata gtaccctaac 120
tcataagatt ggtgagatgt ttacaaataa cctaagagaa gtttcctggg caaagcctga 180
cttacaggtg caaggtaaca tgaaattact gcactgagac agatttagtt ctgagtatgt 240
ttatgccact tagcctattt ttgtatataa attgtacaga atactttatc aaacaagaat 300
agagtataca ttcttctcaa gctcatacag aacatttcac caggttngnc cacattctgg 360
gncctaggtt acaccttaac caattttaaa ccggttaaaa gcttncaaag tttgttctca 420
gnccncatgn tatttaacct aaaattcacc accnggaggt taccccgttt 470

<210> 2740
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<400> 2740
ggcacgagca gctgtctaag aggttggaaa atnaactact caagatagtc acgaaaatac 60
tgaantttga ttttcctttc catatttgaa ttaatttttc ctgtttgact ggaaggggtt 120
tttgtataac taaaacctca gcgcataaag gagatttaaa aggagcacat gatttagtgg 180
gtgggccatg aaactagaga tgggatttgg gggtgaattt gtcaatatct ggattttaat 240
ccagacatct ctgctaacaa gcctttggta agtcacttca gatacttttn cctccttttt 300
acaaagagag ggctggctta gttatttgcc caagnccctt tccaggctgn attnccacaa 360
gtacggttta ctgtantgtc ttatcancct ttcaag 396

<210> 2741
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 2741
aacatacgct gtagttttgg tatagtttag gcttactgag ccactttnat nagtcctggg 60
aattgatggg aacactccta aaatcttaaa tnctcaaaca cctgagaaac aagggccaac 120
cttgtaaagc aggcctccaa ggagagcagt caagcctcct atgttaactc ttctgtatga 180
ctatatataa tagaaagtga atgatgttga aagtccatta agatttatcc ttgtnttgaa 240
acctccatat ctagaagtgg aaacatgaca ggggnatttt gacgtaataa aagggaaaac 300
tattgaggtg atactgatac ggntatatat tgcatctgng gnaacagggg gngttttccg 360
ttaagattac ctggcaaccg ttttttgggc nttatggtcc cggaac 406

<210> 2742
<211> 85
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 2742
ttcccagtcc accgtcccca tcgtgggcat tngtnctggc ctggctgtcc tagcagttgt 60
ggtgatcgga gctgtggtcg ntggc 85

<210> 2743
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2743

ggcagancgg gcacgagcnt gggggtaccc agcaaggagg ccacggtgcc tgacctcaag 60
cncaaanctn tggaccagat catggtgaca gtttaggcag ggcccccaag ggagtggcan 120
ggagattgng gccct 135

<210> 2744
<211> 75
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 2744
ggcanagggg aagccattaa tgnactaant cgttttgacc acatatatac caagncccta 60
gncttagaga taccc 75

<210> 2745
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<400> 2745
gggttgtttg tncatgtttn tttctccccg tttcctgcct ttccgtagat ataaagggcg 60
ttctggtgtc actaaaaatg actatagtgt ccagtgtctc tnatttccat gtgaatctac 120
aattggggac ccccctccaa aaaaggaaaa gtnaaggcag gatgagggaa aggaaagagg 180
naaaatntga ctgcataggn cccaaagggt ttcctctaat tagaan 226

<210> 2746
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<400> 2746
ggcacgaggn agaagcagga ggtcattaaa gaagaccatc gtctttgggg tttgggaatt 60
ggcacaaggc atataaccca ctgattctct gatgtntgac aggtgagtag ctcaggccaa 120
gtgaactggc ttcctcatcc atctggtctg nggctgagct gggactacag ccaagtttcc 180
acactctgtt taaataccta agagaaagag atcaccctgc acggaatgag ttgacctaag 240
aggagtgaaa gagataaaca aagggatctt tgttcctgna tttccctgga agggaagcca 300
aatggcaata ggggagatgt ngggtatgga cacatncccc agagcagcca gcangtggnc 360
acc 363

<210> 2747
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 2747
cctgtcctaa tgnntttaaa ggtaggggat caaaancctg ggcttaatgt ataa 54

<210> 2748
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<400> 2748
aatttncctt ttaaaagcct gtggaganct agaggngaaa anctttaaaa ggtgatgctg 60
gggcagtaag tgggggggatg gggagctggg ttccccggnt tcaaaggggg tgtttttaga 120
gacatgnatg ttttggncac aaagggcanc aangggt 157

<210> 2749
<211> 344
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<400> 2749
ggcacgagca agagtgagtt ttaggtactt tacctaactt tcagagattg gagcattagt 60
ctagcagtat ttttgtaagc nagtttttat ttgatgttgt ttgctattat tgctgtctgt 120
catataaggt cgnaatctaa taaaatatct gnggggtaagg gaagctggga gaaccttgga 180
gtcttatata tctagtgaat atcaaatgng gantttgaga atgtcacatc aaattttgtg 240
tantaaatac attggttcat atttaaccca ttacataggt tgatttttag ggngctatgg 300
attgnaccat ttgaaatttt natnanggaa aaccatgggc cgga 344

<210> 2750
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<400> 2750
ggcanagcgg cacgagcnac aacacctctt tcataaagag acttgtgtat tcagcaaaat 60
aatttgaatt taatcctgac cacttaggaa gcttgatgct tgancttgcg aactttaagg 120
gctggatatg ggagggaaaa gaagaataan cataaaaatg aatcctacag taaaaacaca 180
ggacccaaaa aatcttttta tttaaaaaaa ttaaaatgtt tgtcccatta taagtttctg 240
ggcttgtntt tctttccgtg aaatataaac tttttggcca gcttttaagc agttgccagt 300
naaaatgggg gggttaaaan gggaatttgg gtttagtgcc aaagagttgg gggtttggga 360
atgggggngn ttggaagggn aa 382

<210> 2751
<211> 235
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 2751
ggcanagtag ctgcangntg aacagcagca cctactttat taccatctta ctgtcattca 60
aagaaggcag agctgaatgc nggagaaaaa ctgagtacta gcaacanttt ttgaaaccnt 120
ggnatactgt cataactgag gctagtaatt aatccctggn acttgtttgc cactgaaaat 180
ntccttgttt tgnttaccct ggttttcagc tnggnaccct ggatcacttg gaagg 235

<210> 2752
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<400> 2752
ggcagaggtt ttttnaacag catctgacaa gaaaattgtn tctctatggt acactcctaa 60
gagtagtgcc tttaaggaga gtcagactat cacatatctn tccccgctac ttttcccacc 120
tntccaagca ggcttcattn atgtttactt aggtttcana tccattcaca ggggcacaga 180
ctcagtcctc agtgnaatct tgaaagntta ctggttcatt attgcacact tttattagtg 240
cctgtnantc tgtttgaaga atggtttttn attaaacact ccctttgggt aaatggccng 300
t 301

<210> 2753
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<400> 2753
cagcccatca aagagagagg ctctcctagg gcgtccaggg ctggccatct ttaaacgggg 60
agctttctgg agtggctcct ctntgtagga gcagaagccc ggcctggaca cccctcggcc 120
tgggacaccc ctcgaaggag agggcgcttc cttgaagtag gtgggctccc cttggccctt 180
ccntccctat nactccatac tgggggtggg ctggaggngg ncacaggcan gctnattgta 240
aaaaccttt tattttagta aaaattatac agaagnttaa aaaaaaaaaa aa 292

<210> 2754
<211> 121
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2754
cagttcctnc cgtgatnatc cctacccttt tccacatttt ctntaaatgt ggggtttttt 60
ttttgttngc ttggttttga ggggtagagg ggaancccct cncngattgc ccctttaaaa 120
a 121

<210> 2755
<211> 97
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 2755
ggcacaggna gagagagaac tagtctccag ttttttttt ttttttttt taaaaattgg 60
gggggantcc tggggtttna aaagggtntg gggccnt 97

<210> 2756
<211> 195
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<400> 2756
ggcagacctg tccccaaggn ctcttcctta ttatggcagg gagtngggat tggncctact 60
tnctttctct ggaaaggaaa gcctccaana ntccatgtcc ttgggcagct ttagaaggcg 120
ttnagaacca cgcctagcag gnagaccttg aagctcacct ttagtctatc tncagaggga 180
ttcanttccn gcaca 195

<210> 2757
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 2757
ggcacgaggt ttttttttt tttttttnat ttnaatnggg ntttattttn tt 52

<210> 2758
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 2758
ggcagagctc gagttttttt ttttttttt tcaaaggggn ggngaggtta ancggggttt 60
atcgttnana 70

<210> 2759
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 2759
ggcacgagcg gcacgagaaa ttaaggaact acaccaaaca ttcttatgaa atttcaggac 60
accaggataa tcagaaaata tcccaaagcc ttccaaagag agaaaaaaaa agtcacatac 120
aaaggatcag gaatttaaat ggcgctgaaa ttctcaaagc aaattttgaa gtccgagcac 180
agaggaagca agagcttctg aattctgagg gcaaacaatt tctaagttga cttttctatc 240
cagctagaac ttcgtgcagt gtgaagttag aatgangtat gttcagacng tgagttcttg 300
aaaatatcac ctcccttgcc ctttttttcng gcagttantt aggttgtgct ccaaccaaac 360
agggggnaaa ccagggaaat ngggcacagn aa 392

<210> 2760
<211> 307
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<400> 2760
ggcanagcca atccaaatna tntccaggnt ttaggagcta cccaanctcn ggntatatgg 60
tgttggtttc catattttgt ntgtttnctt atttccaaan tagcctnnct tggtactaca 120
tggtaaagnt caagctnttt ttctancccg atcagggatg tanctcttcc ccgtgtcttn 180
acagtgtccc naagnaagtt ttttggcagc actctctggt agctgcaggg gtagtgaaat 240
ttggtccaga gaaggcgnga nggaaatagt ttncctgttn cctagctctc cgaggtcggg 300
ttttnct 307

<210> 2761
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<400> 2761
ggcagagcgt tattttacta ttctaggttt aatgataaca ggttgctatg tctaagcttt 60
gatattttgc agatttctaa atgcatttta ttgcatttag aagggaattt tgtagtattg 120
agaaaatgca ngcaaaaaat gaagtagaga tacaatgtcc atttaactca gaacaaaaca 180
accttatttc cccatagttg aaatggaggg cggggaagtc aggcagtggt ttctgaaagc 240
caagaactta gtagcactgt gccattctct tgcctgatcc agtgccattc ccttcacttg 300
atatctgttt actttagagg aggcagtttt tgagaaaggn tcctaaatat ccngggccca 360
tgnccccagg ggctttggac caggcaaagg ancatantgc cctgg 405

<210> 2762
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 2762
atattcagca aaaatattct tcaaaaacaa atgtgaagta aacacatttt tagtcaaaca 60
aacgctgtgg naaattcctc ataagaagac ctgtactaca agatacatgt ttttacatca 120
gtacatggaa cattctcgaa gatagaccat atgataggcc acaaaacaag tctcagtaaa 180
tttaagaaaa tcaaaattat attaagtact ctatcagagc acattgggat taaaattaga 240
aaacaactct naaaaggaac ccttcaaaac cataaaatat gtgccagngn cacacatngg 300
cttcaaatta aggggttgan ggangttcta ccagccgntg gnaagcaaan annggccggg 360
gnttncaagc ccgggttctg ttaaaaccgg cttttaaccc accangttcc aangggncca 420
gnccttcct tatggttaag ggggttcctt ttaaccaggg ggggttactt ttccncgg 478

<210> 2763
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<400> 2763
ggcanagcct acttcaacta tctgaagaga ttcttcaagg tggaggatac agtggttata 60
ttagttactc tcacccttgt tattatggaa ggtaaaattc ctggatccta gatttaattt 120
taaaatagtn aatttaataa tgtctggtgg aaacctctta aaaaaaacac tttgcagcac 180
atctctggta gccctgtgct tgngaatgac ttttaggctg ccagttcaga agatggaaga 240
tattaaactg tgttgatgga gttggttttt ccagtgggac cctgttaggt tccttttaa 300
aaaaaataat aatttttttat aatgggtatg tcttcgtgag nccctcacaa ccntgaggtt 360
tttacttgtt tgggcnganc aagggacatg aacgttttaa agnccgttcc actaacattt 420
acgggagggg gcttaaaggg ngc 443

<210> 2764
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 2764
ggcagagaaa aagagtggaa tcatgtaaaa ttctcagtta anccancaan g 51

<210> 2765
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 2765
gngaaagacc tntttcctgg gnctctncct gtgtagtctc cttcaggact tattgtgctc 60
agtgaacatc cantgctggg tgcagctcca tgcaccctgt tgtntgttta catgtnt 117

<210> 2766
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<400> 2766
ggcagagcgc attcaacttt ctaaacatcc ctcagactga cccacatctt tctatccact 60
tttaacatct tgcttgaatg acttccccag gcccagccag tctcccgcct ccagctccgc 120
ccccttctga actcccttta tgtggtacaa tcagagagcc cttcccaaag cacaaatctg 180
ctttnactgc tttgcttcaa gccctttngt ggctcctatt tccagctgga tgaggtccaa 240
gcctgtnaac gtgctgtacg tgttacatgg cctgaccccc cgttaatttg accagccaag 300

ttttcttaca tagcgttgtg gtcttttgtt tccttcctgc ctagaantgt cctttcccnt 360
ttnattttgg ttttnagggg tgttgccaaa ttncta 396

<210> 2767
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 2767
ggcanagnca ataagggctg ctttagaatt aggttatatg gcaaacattt tttctaaatt 60
tagtgagcta aatctcaagt tccaaggtta tgctataagt aagagaaaaa gcactttatc 120

aagaaatata gtactggcaa atatacatta caaattatca ctattttgaa ttttcctact 180
gagtgtttaa catttgatga gtgaaagaga aacaggtata atcaacaatt atatggtaaa 240
tcttagtgaa gccctttttg ntatactttt caggagccag gaataggaaa ggctgcataa 300
cagactttca caagtccagg tgtttttaat ccngtgcttt tcaacaaaac tgaggcatta 360
ccncatttgg gttaacagct gttnggtctt ccggaaattn gnccggtga 409

<210> 2768
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<400> 2768
ggcagagcca tggagctttt caagtatgaa ctttgaaata taagttaaat taattccagc 60
ttaattaact ggaacttacc attcattctg ctttgctaaa ttactacgct actgcttagt 120
ggattttnct aataccatta taaatgcttt ggaattctcc tgcccctaga aaagataaat 180
tgatctggaa tctcttatag tttgtttgtg cctgtatgtg ggaagttctg ggatgacctt 240
tggactgtat caacgtngat tataatcgag gantataaaa ttacagctga ggggggaaaa 300
gtgggttact cctggtagga tccatcttgg atggccttca gggaggacag aattcaccaa 360
attaacttng agtctagttt nagggattta ttnaggccgt ngttaggggg ggtaacn 417

<210> 2769
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<400> 2769
ggcagaggct aaccctcagc aattctgatt tttgccatgn caaaaatata aatttttagg 60

tgaaatctct tcatttttc aattagcaat aattcaaaaa attaaaaatt ctctgcaggt 120
caaacaaaac atatctgtga attaaatgtt gaagtcattc atttgaaacc tctgcttggc 180
ntgtttttct ccactgagtt tagccagctg agcagggttg gcacatacca taagggtngg 240
aaaagggttg ttccaagagg tccngttggn gttggggtcc ngccntaggc tt 292

<210> 2770
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<400> 2770
ggcanagcca ttagtggagt attaagccgt accctaagat tataaactgc angatgtgca 60
aagttggcta agggctggtg tatttggcag ggctctatac ttatacattg tcacttttt 120
ttttttgggg ncagngnaag cccccatntn ttntangaaa aaaagccagg aaggaaagga 180
aangaaaang aaantttttt cccacatctg gctctgttaa gctgngagag attgggcccc 240
cccgtttttt tcccanagcc t 261

<210> 2771
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 2771
cagtngngta nttcaangaa gatngtntcc taancacaaa gantgngcat ganggccagg 60

taggccatca ttnccttagg nncaatnggc cntttcattg aagcagtttt aaaacaagaa 120
ggatgagtac gtatacattt tataaaatcc attctgctaa cagtgtacaa aacaaagnga 180
cctcagatta gatgcaggga gtcccattaa atggctattg gtgtaaccca gggcaaaaaa 240
ttgtggtagt ttggancaga attatgggca gtagatttgg agagactggn ntagagttgg 300
ggaggaccag aaagtaaaat ggncagnaat atctttaaat ttactgnaaa tttacttggg 360
tt 362

<210> 2772
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<400> 2772
ggcacgagcc taaacaagac tcttccatca aaagattcca tatatcccat ttatccagct 60
gactcccttg ttgtgagccc agatctacca ttgcaattct ctgattatag tttggattcc 120
taggctctct atggaagaaa aatggtctct ggtgattgtg tacttcacta taaattgtga 180
agttaagtgt tacggtttat acatcagtnt ctgttacatt gattaatgtg agtctactac 240
tacagatgca ttgcattgga aaagccaggg gatctggaat ccataggaca gggagccaaa 300
atatagnnca ggttatattt gtgcaaggta atggccattg ntatggttcn tcttagattt 360
gtttttgcan tcct 374

<210> 2773
<211> 121
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<400> 2773
ccanttcttt ggaacgagga ggtccccccg gaccgaggct naacaaggna agcccctggn 60
gctncctgta aataagaatg tggttggcaa gatgcaaact gtgggatgga tccatcacct 120
n 121

<210> 2774
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 2774
ggcacnggga aaantaaggc acacataaaa ncaatagatg ntacacacag aattttaagc 60
agcanattta tcttactaat tatgtattgc agaggccact attntaaagt ctttnantcc 120
tctcacacac acacctacta actatagaga caggtaacct agnaagcctg ctnaaagggt 180
atagtgaagc cacctgggct gttttnaaaa ccattcacaa acaatatgga atgtttgtgt 240
ctgacaatcg gttgggntac cccttgaccc ngtggaaccc tgccagtgct ttgggttccc 300
cgtgaaagca ggctcagngg aaggaattnt actttncaga agtttatt 348

<210> 2775
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<400> 2775
ggcagagtac tctttttcct tagccatagt ggaatggttg tncataggca ttccctggcc 60
cagccttacc tgcttaggat gctggactaa aagaggcagg ttttgcacca agaaagaagg 120
ctgttgagaa gaggggaatt gtcgcagatt ttattgtctt tttacttaac agatatcttc 180
tctccatatt tnccctccaa tttaaataac atttattgga cacttcttac aaggttcact 240
tagactaacg ttttttaaat accgagggag aaaaatgtgt tccatgctca agcgtaggag 300
ttggtagggn ttgttttaaa atgaaggctc gttatgtggg tgggatntaa taagggacct 360
tacaccggtg gtacttgggc atcatttaan gngacctttt ttnatgaggg cttttgaggc 420
aattttnatg tgaaagggcc catttttttnc ccccaggg 458

<210> 2776
<211> 162
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<400> 2776
cctcccgttt antatcanga ctagacgaac ttaagcggan aactccncag atgcgcatag 60
gccactttta gccatgtaaa cttangatta agttcacaag tncaactttt gnttttaccn 120
gtccagtatc tctttaggac acaaagcagt gntggagtta at 162

<210> 2777
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<400> 2777
ggcagagcct gcctggccac acctgcttgc ncatggcntt ggttgcccag ctgaggcact 60
tgcngncagc tactggcata gctcttttnt nagaatatcc atcctcacag agagcttctg 120
taggagttgt gaactgaatt acaactcaaa actctggaaa taaatgcaaa atgcaactga 180
aggattctga aaaagtnaag caacagcagg tcagattggg tagggaagtc aaaatttgaa 240
gaccaacagg tatggctgan tttanctgtt ttgtatccac ctttcttaaa cctccngggn 300
tttttaactt ttttangggt ttagttcccc ggg 333

<210> 2778
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<400> 2778
ntggcgtnct tttctcaggt aatggaagtg ggcagagaat nanccttcc ctaggctcca 60
gtgtgtaaga nttaaagaaa gaggaaagaa acacaatggc ttgatggtcg aggacaggtt 120
tattntaaag aaaacaaacc caagantggc ttctggctga nttagatcag aggcatgccc 180
tcttacagac taagagtttt tnaaggattc agggtgggag antttatcag aggcttggac 240
ctgnttctnt g 251

<210> 2779
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<400> 2779
tagaagcccg aaaggngcct ttaaaaagcc tttttaaatc cacagggcaa gaagggnctn 60
taa 63

<210> 2780
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 2780
gagccactgt acccagcctc ctttgtttct ttttaaatgt naggtatcaa agcccaacca 60
acccttctcc actgcctcaa taattaagag cacagaaaca gatgtcctga gtttgaatat 120
gaaccatgac atctttagct atttnntctt tgatatgaat tcccatacct ataagaatag 180
tgtttacctc aagggatttt atgagaatta ttttaggttt aattttattg atgaggcctt 240
tacaagaaaa gaaactcttt tgtatttggc tgatgtttcg gttcagttta gaattcagca 300
gaattttctt taattttgtn aaagtncaat acgtattagt gttaangctt ggtacgtgta 360
ttaccccata tggtnntagt ttaggactta cataacagtn tactggcatt tatataagtg 420
tgaagcagct tacatgatca ggttattaat tggggagtcc ancatnattg tccaataggg 480
aaaagncatc gnaaa 495

<210> 2781
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 2781
agggtgcaaa ggccccgagg aagganttgc ttgatttttt caaacaatag ccaggaggcc 60
aggtggctnc agtnagtnaa ggagaggaga tnttgaaggg aataacgggg cggg 114

<210> 2782
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<400> 2782
ttgcaggctg tccnacctgg cctgcaagcn tacaagcagg cncgtttana tgaagctgca 60
gaggagtngg ggggctgctc cacccccagc caagggctct ntcgnnncca agnaggccga 120
ggntggggnt gcnacggcag ggcccagccg ggaacagctc aaggttgacc tggatgattt 180
ggtggccgct nagtgtttgt actgtgggga gctnatgatc cgctctatcg accggccgtt 240
natcgacccc aagcgntacg aggtnggagn agctcatttg gntgtaggag ggtnttnacc 300
ttttaatggg gggtgggcaa tggggagcat ggattaaaac ccattgaaaa aggctgcctn 360
ctaagttctt actcaataaa cttgcaantt nncacacn 398

<210> 2783
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 2783
gcggcacgag ggggggcccg gtacccaatt cgncctatan tgagtcntat tacaattcac 60
tggccgtcgt tttacaacgt cntgactggg aaaacccagg ggtcgcctna ca 112

<210> 2784
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (406)
<223> n equals a,t,g, or c

<400> 2784
gtcgtggccc acaggaaaag atcctacagg gaatggatcc tgatgatatt tggcagctgt 60
cctccaaatc ttaaaaaggt ttgaatgaan aaattacacc tttgaaagct gaccttccat 120
cnagttgggg aaaaacaaaa gcaagcaagc ngggaaagcc cgaanttccc caaaagttcc 180
cattggcnta aatttttttt tgaaccacna gttggggaaa nccngggttc attnggantg 240
ccntnttnaa ccctgnaaaa nttttccnng gnttccnatt gaanaagttc ttttggccct 300
ttaaaaaaan gaaaaaaatt tanaatttna nccccanttt cctnaaaaaa ttttnccccn 360
ccctttcncc cccctgggaa atctttggtt taaaatttaa tttggncttt tggggggggt 420
ttgggggaa aaaatttt 438

<210> 2785
<211> 72
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 2785
gcggcncgag cggcacnagg gggggcccgg tacccanttc gccctataat gantcgtatt 60
acaattcact gg 72

<210> 2786
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<400> 2786
gcctctattc ccgctctttg cttaatgcat cctancaggg gttgggaaca tggtggtggg 60
tatggctgga gctcacacca cgaagctctt ggggcctgat ccttctggtg acacttcact 120
tgtcccattg gttaacatct gggtgggtct attacttact gtgatgactg ctgtctcagt 180
gggcatggtg ttgatccacg gggttactgt gataaccacc atggatacat nttggtggcc 240
cactgggtac tgtnaggact ggctacattn aatggatgtt attggctaat ccactgcatg 300
gtttgatggc caccatctcc gttgggccct ttgggttttn atgggtgaat agcatttcan 360
ttnacatctt ccttttggcc ccccccccaat aaggtngctg ttgcccactt ccntttt 417

<210> 2787

<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 2787
gtgattttgg aatcagaaca caagcaccat actgaaggac tagcagccaa ataactgcct 60
agggatactg atggttgtga anactgtttc aaatgattgg atctttggaa agcttcagcg 120
tgccttagtt tctaggatca gaattanttt tcctctcact tgggccttgc agctaaatgg 180
agaaatgttt caatttcttt gaatacttgg cacatttcaa taantccttt cccgagttat 240
aaccactcna gggggggagca aatttgggat gggatttacg actttcacan ggcattgtga 300
gggaaaganc atttttccca aaggcntgtt ttttgaatta ccccctnggg gtgaatanaa 360
caattgnaac ccctccccac actttacctt ttgaacaatt ttcacaattg cacctggtta 420
cttccataat ttccccccctc ccaaaattcc gtttccntat ccnggnttnc nggccccatc 480
cccgggggaa atcctaaagg aaaaataa 508

<210> 2788
<211> 154
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<400> 2788
gcggcnngat gtgaactgcc tcaagagtgg gtgggctgaa gatctnggat ctnctcacgc 60
tatttggaac acngacnatc ctanccttgc cntagttgga ctatttttat nctttcatac 120
ctccccccgc cctcttggca cttcggcaaa actg 154

<210> 2789
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 2789
tcgatttccc tccacnagtg ggaganatnn cgggagctcc acagaggtgg ngcgttcgnt 60
ctagnactag ggacatcccc ngggtgtgac gcgaatatc 99

<210> 2790
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 2790
gcggcacgag ggcacgaggg ggggcccggt acccaattcg ccctatagtg agtcgtatta 60
caattcactg gccgtcgttt tacaacgtcg tgactgggaa acccaaaagn nngngn 116

<210> 2791
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 2791
gcggcacnat ggcacgacgg ggggcccggt acccaattcg ccctanagtg antcgtatta 60
caattcactg gccgtcgttn tacaacgtcg tgactgggat nacccanttc ttccctc 117

<210> 2792
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<400> 2792
gctgtctcct gtattccatt tcttgctctt tcttggtcca ttccctcatt tttgtggtgt 60
taactccctg atagtttcct gagaaagctt gcatgagtgg taaatgtttt agactttgca 120
tatctgaaaa tgtctttatg tttccctcat acttgattag taatttgagt aaagaatctg 180
gttggaaata atttttctat agaattgtac tttgcctcca ttttacttca ctttcccatt 240
tccagtgttt tgctgtttgg gtaaaactga ttccattcca atttcctaat cccttggnca 300
naactgcttt taccccctgaa aaaactttca aggtntcctt ccccctttat ncctgggaat 360
tccctgaaaa tttccctnat aatcctgccc ttggatgggt ttttcctttt tncntgcc 418

<210> 2793
<211> 217
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<400> 2793
gtcagctntt tattgaattc ttaatatatg ctaggcatgg tgcttcnttg cttctactac 60
atcttctngt ttgatcctta tagcaacctt gtangaaatt tggntgccan agattttaag 120
tgacttcngc gttacacagt tactaaattg ccaagctcgg anttctctgg gacagggaaa 180
tctggangaa aacccntaac ttggattctg aatatcn 217

<210> 2794
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<400> 2794
gggaaagcta atgcttctga aaaattgggt gtggtaagag aattcatttt ctttcattgt 60
cataaagctg atttctaatt ttattagata ttacattatg aaaatttact tttaggtatt 120
tttgggtatt ttgattaaat tgacatagct gtgataaaaa aagcaataaa tggacaagtt 180
gtattgataa ttatttgctt catnctgatc tatnattgtn aacctgtaca tncaattnac 240

<210> 2795
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<400> 2795
gaatagccag tagttattaa ccactgtctg tttcaaatga aggaagcaca actcagtcag 60
gtagcactgg aattagaggt taaaacatcc ttgggatcgt tgggactctg tcttctgtgt 120
ttctcaagcc tgcttggttt ccctttgctt cattctcagt ggtgaatact tgttctctaa 180
gtggtggcaa gatgggctcc agcagctact ggtgtccatg ctccttcaag cttgtgaacc 240
agaatccctc catcaccaca tttccagtct cttggtggga ctggatttgg actgttttat 300

atgtgtgtct gctcttgcac caatcctgta tgggtgccat gatatttcat gcaagtctgg 360
gtctgtnttc cattttccat gaanccccccc tnnggaatga atttatttttt tacaaattcn 420
caaattccct ggctcna 437

<210> 2796
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 2796
gcttgcctcc acaaactgga acctctgaac ttcagcagtt gttcctatca gtagggttat 60

tgtgagacct aaaatgtaat tgaagttttt gcatgtgacc ctgcccttaa ttcagttgct 120
ttaaaaacgt ttgaacatag tagaaaatgt aacagtgttg ctcttagtgt ttctcatata 180
tagggaataa aagaagangt tttataatag cacttgtctc acaagattta tgagcgattt 240
gaattttaca gatctattcc taagcaaaag accttaagtc ttttttttt tnctttaaaa 300
aaaantaaca attactttcc gttctgttgt atcgtgcctt ccaaaaanat ttgcgctgcn 360
caaataatgg gttgggttna accctaaatt acncaattct ccctnctgaa ttggt 415

<210> 2797
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<400> 2797
gctnaaacac accaaaagca atggggcaac atacaagcct aanacattan ggagcanana 60
ttgngggnat tcctcataat nttanaganc cttcanaana ggnaaagacc ttttcccttg 120
ggccaaccca agggccnaan annaanaagg naaaaaaaac ctttgggttc ccaaattccc 180
anngnaaagg atttggnaaa aacccaanaa aggncccaan agccgccttt aacccaacgg 240
naaaaatttg ggggggggaag caaaagacaa ttttntttct tgggccaaaa attccnccaa 300
ttccttggna accaaaaaaa ggnggggctt aaaattnatt tccttaagga accttcctta 360
ccaaanaggn aaatttttaa anaaccacat atttttttacc anagngaaaa aaaaaanacc 420
angccccttg gtncanaaaa aagttgngg 449

<210> 2798
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<400> 2798
gcgnctactt cccctatcat agaagagctt atcacctttc atggatcacg accctcagtn 60
aatcattntn tccttantnc tgactatcct agntcccngg ttntgccctt tgtcctgaan 120
caactcaaca accaaanact aancttaatn acgtaggcat tcttcagaac gnctccagng 180
naaaattagn aaaaccggtc ctgaaactta ttccntggcc cggccnatca atccctnagn 240
tccctgcaaa cgacccctcc nccatcgccc tnaacgacna tccctttntt accattagac 300

aaggacggga agggtccaaa acggannccc cttccccttt tacccaatnn aagattcaga 360
tntgggggcc acccaaattg ggttancttg gaaannctta ccggaaggtt acacccgaac 420
ttaccgggcg aggacttaaa atctttc 447

<210> 2799
<211> 124
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<400> 2799
tnattnaatg accaactact gatactgatc acaatggtca ngatagattc tnatgtagtt 60
ggaaagttct anatcacttt cttatacaag catgtggaaa gtntaaggat acaatccnaa 120
tata 124

<210> 2800
<211> 193

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<400> 2800
ccggntttgg ttccggnggg ggaaattttt ggggaccctt gggggaaccc gngggcccac 60
cggnttaaaa gcccttgcnt tgggggttcc caaccttggg cccgaaaaac cgggcccccc 120
ttggnttant ttttnaaggg ccggcgggtn anaatttcca anggaatttc naaaaccttg 180
gnccgcaaaa gcc 193

<210> 2801
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)

<223> n equals a,t,g, or c

<400> 2801
agtgtggggc aagttaacct tcctttncca aaattcnaag gccccaagcn aagttaaggg 60
ccgcccgttc cgggttaagg nttnaaaacc aagggcccca agt 103

<210> 2802
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 2802
gaccgcctcc tcccagagtc cttcagacga ttgntctggt ttccagtggn agccgaggct 60
gaaacttagt ggcttccctc ccacctttc acccaaaggt gaaatcgcga tgagatttgc 120
gaccgcgggc tcacccagtg ttagaaatct ccgtctctgc tacccctggt gccttggtgc 180
tgtttttctg acggtcattt agaccgtgga gggttagatg ttctctacaa aaacgagaaa 240
cctctctggt tttttaggat tgtaggaccg aaattatttt atggctcggt gggaagtagt 300
atttcttggc taatttatta ttagctttta accttcatcc actttnacctt ttaaaccttg 360
catgcctctg ctattgactg gtcttgccaa cgaaaagctt acgcattgca natacagtat 420
ttgcttctga gtggatcttg aaa 443

<210> 2803
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<400> 2803
gnaaaacatn acatttntgn tacccaancc catcccaant ttagncnttt antggtttta 60
aaccttggaa ccaaagncct tccccaattt tttaaaaaac ccanggaatt ggtttcccca 120
attcccaang naaattggna acccanaagg naaaaaaaag ngggccttgg gcccttgggt 180
ttaacccttg ggaaaaaggg tttatannag agcccaaaan aacccanaat ttaacccctt 240
gggaaaantt ggccttcctt gggttaagnc cccttaaaaa acttccccaa aaaccantcc 300
ccttccttnc ccaataattg gggaatccca ccttggggct tggggacaaa aaactggcac 360
ccaantttgg ctggccttcc aatntttatt accttccaat tttttccact tggtgtccca 420
agggtgggta cttttggggc ttcgtttg 448

<210> 2804
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<400> 2804
ggnacaacct tagccaaacc atttacccaa attaaagtta tnagggcgca tnagnaanat 60
ttggaaaacc cttggggcgn canattagna ttattanggt tancccgncc aaaagngggg 120
aaaaagcatt gnaaanaaaa attttattaa ancccanag ggccaattaa aattaattan 180
ggccacaagg ggaacttnaa acccccccct taattaaccc ctttttccttg gcnanttana 240
attggaaatt ttaaaacctt aagcnaaaaa attnanacct tttttggcca anaggggaa 300
gaaagacccc aaaaaggcct ttaaagngaa ccccccccg gaaaaaaccc caggaaccgn 360
aaggcttaac cccttaaagg gaaaccaggc ctttaaaaaa aggaaggcca ccaaccccc 420
ggttccttaa ttgggttaag gccaa 445

<210> 2805
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<400> 2805
gcattgnccc catgtgnaag ttcacttggt gncccagccc caaggaaacn ancttggggt 60
tccttccgng gggccccccg naagcnaaaa aggnaacccc ttncccccct nttnttgtct 120
tccccccacg gggggccttt ttntttaaag aagggnttna aattaccnaa acccccccaaa 180
ccctttgaan naanaaggaa tttcccccttc ccccccaang ngggggggggg gcccaanccc 240
ccaaattttt tggnnaaaaa aaanttcccc cctttgggna aggatttgca aattgggttt 300
ggccaaaggc cnttggnaat tnccaacaag gcaaccnttg ggggaaaggn aacccaaaaa 360
agcttggggg ggaanacccc aaggccggaa aangccccaa cccggccttt ggcctttgga 420
aaccaattgg gccttccaaa ccaatncatc ccc 453

<210> 2806
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<400> 2806
gcggcacgag ggggggccct ggntacccaa ttcgccctta tcagcttgca gttcggtnat 60
ctatcatatt tncaacttgg gtcccggtnc gatnttttca ccaaaccgct ccggttgtaa 120
cttgggggga aaanacccc 139

<210> 2807
<211> 113
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 2807
taccaaagga ccttngncaa aaaaaggggg gctttcctta anaaaaacca anaaaatttg 60
ggaaattaag gnttttttaat ttttaaccaa ttcccgggtt ccccttcccn ttg 113

<210> 2808
<211> 141
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

BNSDOCID: <WO___0122920A2_I_>

<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<400> 2808
naaaagggga ccccccnttag ggaaaaaact ggagctccac cgcggtggcg gccgctctac 60
aactaactgg atccccccggg ctgcnggaan actgcacgag gnagctgagt ggtatgtgtg 120
gtcgncgtct cgcgnaaaac c 141

<210> 2809
<211> 75
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<400> 2809
agncgcgnag tggggctcgg gnagnaggta gtggcacgcc gctggccagg atggtgctgg 60
agagcgtggc ccgta 75

<210> 2810
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<400> 2810
gctcgtgccg aattcggcac gagnattata tcttatgaag ctgcttggna atggggtttt 60
cccctctgta acanaatnaa tttcctggat ncatcccatt atccccntta nagnaaccac 120
cgngaatttt cctgnggggg gcccagnggn aagagttaaa gnatgtctaa tcctggaaca 180
aaagnccttt ccctggggtg gttcaaaccc actttggcca atcatgtttg ggtccagatg 240
gctggggccc ctggcctggg ggttcttatt aggaaattgn agccttcctt ttgntcntgg 300
aacgnctcct tgtttggcca tccccctttt cttccaatca agcctttggt agccaagtac 360
ctgggggaac ctggcatccc tggtgggaaa aggatgggga ggnaacagna tggacatctt 420
ccaagttcaa gcttcgttaa tataacctga 450

<210> 2811
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<400> 2811
gagcttcctg gnagttacct cagcnagana gnactaagna natttagnaa gnaaaaaaag 60
nggggaaaaa gnaaccctct ntntnccttt tccctcaagg gtttaaaang gtttggnttc 120
ccaaaaaggg ttttaaccca anggnaaatt tggncccttt cccnttnttn tttggggaaa 180
ccntttnttt aaatttnggn aaaattnggn gggggggggg gttttttnaa atttgggntt 240
ttcccccccc caaanggntt ttaaanaaga aaaccccccc cccaaanttt tttngggggg 300
gaaaaaaaag gnttttccca aaaaaaaatt ttgggncccn aatttttttt ttaaaaaatt 360
taaaaccccc cccccccttt gggaaaacct ttgggggggg aacccaaacc cccaaaccca 420
aagggccctt ttttaaag 438

<210> 2812
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 2812
gnacacttga aagatcatta ggactancaa atataancaa gatcanggag tggtcttggg 60
ctttgaagan cacataccaa gaacatcaag agaactcnat atnaattcaa tataaaagct 120
acnattcaag gccaattatc tcttttgagt tagaaaagcc caatggagag ccactcacgc 180
aaatcaatac cctttccttc tctcagttgg gagccagaca tctctaacta tcctctgaat 240
taaactggat ttttnaaatg ttttttctgtc cctnaactct ttggatcctg aagtcatcct 300
ttctttgttc catcaatctn gctccataat accattactc caacttgntt gaacanttat 360

tgggcatatg 370

<210> 2813
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 2813
ggtttttttt ttttttttg natttgaaaa atgcaatatt ttccccngnt ttnt 54

<210> 2814
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 2814
tgctcgtagc tnccctctat taanggaaca aatgcnggct nctccaccga aagtggcggc 60
cgttctagaa ctagtggatc ccccgggctg caggatttc 99

<210> 2815
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<400> 2815
gctcctctag gctgaaatta cctggagaag catcacagca ggtactctct gttccaggaa 60
acagaaggta gcccagattg tttgagaact gctgacatcc acagatcctc acagttaggt 120
taaaaattgt tgaaaaggca ctacttggag aatgtgctgt gtttctgctg catgtgtgat 180
cagaangcag ctgcagctta tgaaccagaa aaatagggtt agtggctaag taaaaggtgt 240
gtggagcaac cacaaaatga ttcagggtta tacttctccc aaaggacggt aaaattaaat 300
cgagaacaaa atcaaatcnn naagaanaaa naagtatctc cagtacatat tgtgggatca 360
cagctacaaa agcattagat ggtaaaatta tcctttcctg ctttttgtgt tttaagatnt 420
ctccccgttc caatgttntt ggcctgggca cnggaattat acncctacaa ttacanctga 480
aaaattctgg ttatcactca tggncttgac atgcaaancc tccttttcac atattgantg 540
ctaat 545

<210> 2816
<211> 118

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 2816
angctcgnta natcccctat tataaaggga acaaangcgg gccnctccac cgaaagtggc 60
ggccgttcta gaactagtgg atcccccggg ctgcaggaat tcgncacgag tntnattc 118

<210> 2817
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 2817
gccagatttg gtcccaaagg atacgactgt tagcaaaaac caaatttacc tgctaaagga 60
tgagctattt aaaaggaatg tgtcacttgc tgtgtaactg cattccaaca aggagttaca 120
taaatgtttt gagacagcag catctttgga gtaagtgcca agcctccaga ggaaccctgg 180
taaagggaag cagtggtctc atttggatat gcaggttctt gcatttttgt tataaaatct 240
actctccttt gaagttacct cttgtattgt aatctctata ntaatccatt ctgtatttca 300
gacataaatt ctctttttct gggccatcct tcctatctgt gttcacaaat c 351

<210> 2818
<211> 238
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<400> 2818
tgcgcgttng cgtnnctcct taccaaagga acaaattcgg ctcctccacc gaaagtggcg 60
gccnttctag aactagtgga tccccccgggc tgcaggagtt ccccacgagc agcaaaacaa 120
cnacnaaggn tctgtntttg cagaggggtc tatcatgctt ttaagaaata agaagagtac 180
cgganagaaa ttcatnatng acattagagt attttggatn tcnttaaact ttgtccat 238

<210> 2819
<211> 113
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 2819
gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgtc gtgactggga ancccaaacn nnn 113

<210> 2820
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 2820
nttccccacc aacagaagga actattaant tcaatgtttg ggaaacagcc cgggcaagga 60
agaaattccc gggggaatga naaaatggta ttatttccca accccatntn ccntcctaat 120
gtttgaantt ac 132

<210> 2821
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2821
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacnt cgtnactggg aaacccaaag annnat 106

<210> 2822

<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 2822
tgntnttaac tcgtanggca aagtaactca ctggtggggc gctctaaata gtggatccgg 60
gggctgcagg attcggcacg agctcntgcc canctccgtt anatacnacc acctgcttcc 120
tccttgcnat cc 132

<210> 2823
<211> 101

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<400> 2823
gctcgtgccc ggtacccaat tcgccctata gtgagtcgta ttacaattca ctggccgtcg 60
ttttacaacg tcgtgactgg gaaaaacccc aanngnnaat n 101

<210> 2824
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 2824
gctcgtgccg aattcggcac gaggtttttt ttttttttt tngggncttt atttgntnaa 60
ataacnctaa 70

<210> 2825
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 2825
cctattcata naccgggact tnggtgctca taactgcntg gtggacatag atctctnctg 60
tgaaaatatc tcnactttgg agtgaccagg tcatgttcct ga 102

<210> 2826
<211> 308

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<400> 2826
gctggatggt gctactgnca acagtnagtg ttcnnggtga ctgctactgc tgtgcaatgc 60
tnagcgccac atnccatggg accacgtgtc ctttaataaa catattcagn gtgcgcttat 120
ngaactcatg gcttctaaag cacaangant atgtttcaaa catagtgcta tctctnanca 180
ccatttgtta gcctccatct gctcagtggg attcctacca agctcactta tgaccggatt 240
atattnaaaa aagcttccac ctgaaactta cctganactt tctcttctct gtttataaat 300
cctaaatc 308

<210> 2827
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<400> 2827
gagtattaat actgtgctgc attagagaag cctcttccat gtgggaaagc tgcttgcaat 60
ttcagtttct tgtgtgtatg cctatgtaac tgagtgttta aaatttcttc aaaaactatc 120
aaaacagaag cacacagaag tacacctatt aggcgaggat atcgttggtc taatcatcta 180
tcctgggact ctgagaaatg agatggaagc tggtaatgan gatggaatgc aaatttgatg 240
ctttttaaca tttttcacca catttcccaa acttcttgac cctacttctg tttttaatgc 300
atggcacaat cttgaaccc 319

<210> 2828
<211> 113
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 2828
gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaancaaann nnc 113

<210> 2829
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 2829
gcaccaccgt gcggacacca cccctgcaga atcatctgtg aaaacaaccc cangcccaga 60
catangggcc aactaagctt cgtagccctc gaaatacngg gagtgccccc tctggaccct 120
cgagcccaca gtccatccac cacanaggtg tctgctgctc atcagatagt tcctaccaag 180
aaaatgctgt gtgaacccat ctgtgtggca aaccggcacg gggaganagc tgacttccaa 240
ngacgtctac canctgtcac ttngaaacca gaactgggct ctn 283

<210> 2830
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 2830
gggggtnttt ctancaacta gtggatcccn cgggctggat gaatgcggnc cgagttatgg 60
ganagttcct catccgcctc cttgctcgcc ggagccgcca c 101

<210> 2831
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<400> 2831
gctggtgtgg aggcagttgg gagctgtgtt cctttggtcc ccagactccc cctgaatctg 60
ctgtctgcgc gttcattgat gtcccccttgc tatgccatgt gctttcacaa gccgttgctg 120
ctgcctgcag tgccctttttt ttcattctgg agcctgacga gcttctgact gtagactctg 180
tcatttcctt caggatgcct gccccatgtc cttgcagttn ngtcttctct gtgctcccctt 240
aacccttagc aaatatcact agaataggat ttgtttttta aatggcgaaa gcctacttac 300
ttaactgtat taattcagtc tttcagtata cacttattta ttttttaagc tcttataacc 360
aggggcttag agagatgttt cagtaaagaa actaggaaat tagtagttag gtcnctata 419

<210> 2832
<211> 159

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 2832
caatttcntn ccttgtttac gtaaattttg aaagattgca tgatttcttg acanaaatcg 60
atcttgatgc tgtggaagta gtttgaggaa catcctatga nttntcttaa aatgtataaa 120
ggttgtnncc cctccatctt caaataaaaa aatgaccnc 159

<210> 2833
<211> 130
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<400> 2833
tcttgtcgaa tgcncctana cttaaaggga acaaaagctg gctcctccac cgcnagtggc 60
ggntnctcta gaactagtgg atcccccggg ctgcaggaat tcgncncgag ccatcttcca 120
gtaattcgcc 130

<210> 2834
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 2834
gtaaatntaa tgggggttg gatttgaatt tngtanaaan gggtttgggg gncgcncccc 60
caaaaaaatc ntttttttttc tcggagttan tgggatcnc 99

<210> 2835
<211> 326
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<400> 2835
ggagcaccct ggtcacctgg gggttgtggt tagagtgccc tccagccaag cctgcagccc 60

agaccgagct agactggaag gggtagaagg gcattcaggt agggacacag cctgggcaaa 120
ggggccctga nctttggcag ctgcgggaag atgagcccac ctgaaaggga agctgcattg 180
aatncagtca ngacctgggc tgtagggctc acctctanac agcatnacnc aaagggttng 240
gggggtctcc tnccggcctt aataaaaggc caaaattttc caccgttcca gaaatncggg 300
ttgccncttt aattggaaac cacccc 326

<210> 2836
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2836
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aancncaaaa annn 104

<210> 2837
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<400> 2837
gttttctttt cttttctcca actgcttgat aatgccttgc cctatggttg ggcccagaag 60
cacagcaagt tctggggctc atttttgagc caattcttgg tagaagggtg gggcatccca 120
gttcttaaaa ggatttccta tgcaganatt gtcattgtca tcctcaccac cagaagacca 180
gcattgatta ttttatcctc ctttttgcaa atgttccatc ttggaccaca ntgattttac 240
aaaganaact taaaaaangc ttgaaatccc aaacttcttn ntttcacaaa aactaa 296

<210> 2838
<211> 96
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<400> 2838
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactgac cnnaaa 96

<210> 2839

<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2839
ggatggatgg attttaatcc agttttcata atgatacaat gggttgattg cagcattttg 60
atgtggggaa tataaagata ttataaagga agatttattt ttaaattaca atttttgaaa 120
gttataatag attctgtagt acattcaatt gtcattaacc actgggtttc ctctgtaata 180
tttgtctatc aaatgatcaa ttttcaattc agatgaatta tcaagaatac atttttttaa 240
aaaacatcna aaactataaa aaataaattt cttgaaaaca ttgcatcctt gtttcntatt 300
aaaccntngg cttaataaat aaaaagtgan attggcca 338

<210> 2840
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 2840
gttcactcac gcatacacat atttgaagaa aatactcaga tccttcctta atgaacatag 60
ttccaagtat gtcaatacta gatatcactg gccacagagt tttggaccat agtttgtaat 120
ccttaattca tgttagagta tctgagttta ttcatctgag tgaatttaga aactttactt 180
tgaagctgaa ttttcattat attcaggcgg ttgtngaatt ttttttctgaa agtctaattt 240
nnttcttaat tntgaaaata ccaatagtgt cttctataaa tgcacttata aaatattgta 300
cnc 303

<210> 2841
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 2841
gcggcacgag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactgac cnnnaaaa 98

<210> 2842
<211> 60
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 2842
gctcgagttt ttttttttt tttgggggggt ccaaaatttt atnanctntt tnnaaaaaaa 60

<210> 2843
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<400> 2843
gttttagtat cttgatgctc ctgtcaaaag ggaaatgagg cttttaaaaa taaagtacct 60
taattcttta ttgacttttt gccctaaatt gctaggtgtg acccagcaat cttttaggaa 120
gagattttac agtggtgctt tatttatatc aataatccag tatagttagg ctgttcattc 180
ctcataatag antacataac agaaaattgg actttcacat tttcatattt agccttccca 240
tttaatccca aaatctctgt attctcatct naaaaacgat ccccattcca attatggtnc 300
caaccccctt ggtntaanat taaattacct ttattanttt tcttaaacat ttggaatttg 360

<210> 2844
<211> 176
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<400> 2844
ncggctcgag gctggaanag gatcttgggc gccgccagtc tttaacacca attggtgtaa 60
ganttgaaga cctacttcac agtagttctg tggacaatca caatgggaan ccaaggaagg 120
gtctgtcctg tttcgggctg ctgcncgtcn tggctgtctn ctgccattca ggtcnt 176

<210> 2845
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 2845
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaccaaact tncncnccnn c 111

<210> 2846
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<400> 2846
gggnaatctg gggttttgta aagcacgtta gttcagattt gaaatttaag ataacgtgac 60
tatcctggac agaggtgtgc cagagcagat actgcattac catattactg gtgttaacag 120
tattcacctt ncttaatggg aagcctaccg gatattttct taagttgcct ttataaagca 180
acttaatgtg atcagttctt ccgaatggtg atcagttatt ttaaatatct tctttgatnt 240
ntgccccttt nccctttntgc cccnggaaaa ca 272

<210> 2847
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 2847
ccccccccct ttttttgggg aaaattcncc tatccgnccc ccccccccct tttntttccc 60
gnaaaaanaa aatttttaa naacccccgc cttccccna 99

<210> 2848
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<400> 2848
gcagcaactt ggaggcatac cctgtggtat aattgtgtag atgggggtcc ttgtgactgc 60
caaacgcctg agatctgtcc ccactccagt gantttccca gggcgagggc gcctgtcaag 120
gcgagaaaga aaagcangcn atggtganaa agttatgaga ggtangaaag aagatactga 180
aacactgaag gtggaacccg tttggacaca gtnnaaggaa agcctcagaa ttagcatgan 240

ggaaaaggaa aagaaacgaa tttccagaat tgttttgcat tnccttttgg ttaaggcncc 300
agggaatngc cattgaaaaa ccccccctna aaaaaantnc tttaaaaagg gcnccccccc 360
attcccctct tgggcccccc ttttncccnc ncccntaaaa aagtttnatt ttnnttcccc 420
cgnaaaataa acctganaaa atttcccctn naacccnggg agggcccttt aaattttcca 480
atttaatttt nggnnaaaat acctttttga ataccccaaa acctttttaaa aaaaaaaaaa 540

<210> 2849
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<400> 2849
gtggagctcc aagcggaaac cgcgggagcc gagcccagct aggaatgcag acctcctgaa 60
aaccaagccg aggactgcgg ggtccggtgt ccacgcanag tgtcagcttc ctctggtgca 120
accagcaagt cttccagtat gaatcccaca gaaaccaagt ctttacacag gggaaaggaa 180
aggaatgaga aattaatttt attaatggaa accttcgctg aaaaaaacct tcactgaaaa 240
aatgttaaac acaaactgga aatatctgct taggacctta gaatgctgta aaaacagaac 300
ctganaagaa ntcacagtcc accaanctgt ctgtggttca tganaaaaaa atcccagaaa 360
ggaaagccca nagaac 376

<210> 2850

<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 2850
gtttaaataa atgcntctnt attanatacc cccnatttaa tatataangg actgaatttt 60
tgcctattat gtgccc 76

<210> 2851
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<400> 2851
gggggggccc ggtacccaat tcgccctata gtgagtcgta ttacaattca ctggccgtcg 60
ttttacaacg tcgtgactgg gaaacccaaa annnntntt 99

<210> 2852
<211> 118
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 2852
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg taaaacccaa ntnntctttt nttncccc 118

<210> 2853

<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 2853
gcggcacgag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg ancccnaaaa 100

<210> 2854
<211> 50
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<400> 2854
ggaaagcgtc caactgcttc natatnaacc tgtaacatnt cctgccnagc 50

<210> 2855
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<400> 2855
taacctcact aaaggaacaa aactgaactt ccaccgcggt ggcngggccg tcntaaaatt 60
attggatncc ccngggctgc aaggaattcc ggaacaacca aaaatggcgg aagttcaagt 120
tctgggttgc nt 132

<210> 2856
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2856
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa cnttttcatt ccccctntat 120
cntccnacnc 130

<210> 2857
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (607)
<223> n equals a,t,g, or c

<400> 2857
tcacgcgggg gcgtctanan tatggatccc ggctgcagat tcggacgagc aacaatgact 60
aatcaactaa cctcaaaaca aatgataacc atacacaaca ctaaaaggga cgaaacctga 120

atctctttat tactaagtta tccctttaaa tcanttttt aatttggccc aacaaactta 180
aaaccctccc tccggggaaa tttccctggg cccttccaac ttccaatttt ttaaccaacc 240
caaaacccca acccccaaa acctttattt cttttatttt aaaaacccct ttaaagnccc 300
caattgnggg ggcccaattc ccccccccct ttttaanttt gaaaaaccgn gggggggggg 360
ccccaanttt ttgaaatttt tattttgggg gggtttttt cccggccttt ccttataaag 420
aaaatttta aaaaaaaant ttgccccct taaagccccc ccacctttc ctttttaaan 480
ccaaccanna nggggaaca acccctttac ccccccccc ttttattccc ccccataact 540
tantttatt taattcgaaa aaaccattta agccntactt ccatttccaa acccaattaa 600
gcccttnggg cggtaacgcc cttaaccgcc t 631

<210> 2858
<211> 207
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<400> 2858
gctcgtgccg cttttactnc ccagtctcca antgctnaca cataaacaca tncatgtctg 60
actgttgcag aactgttcga actcctaatt caatgtnacc tngnttttaa tcgcagcaac 120
cctctcccct acccttgnc cgcccacgtt tttctcactc ttccgggttg tgnaaataac 180
tctcccancc nntggtcctt tccacaa 207

<210> 2859
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 2859
tcctcccctc tggccagtgg gtnggtcacc agagcactgt gctgtgggcc catcttggtc 60
tngncttctc ancggcacgg tggaaaggcc nagctcttct aaatg 105

<210> 2860
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<400> 2860
ctacntggat taaacnggac tccacgccgt ggcggncgct ctanaatagt ggatcccccg 60
ggctgcngga attcggcacg agcggaacga acaagccttt gttatgaatt ttantcatta 120
cattncaaag tgaaattttc ntncatgatt ctattggcng ttananntag aatntcagtt 180
actgtantgc tcacannggn ttcctggana acatctgccc gtatactaag tcccnnctct 240
gctgcctaga aaactgaccg ggtctcaccc ctcgtgaaaa tcttggtgnt ctacgaagtc 300
n 301

<210> 2861
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 2861
ggggggggcc gcttgggggg ccgggggggnn ccggcatnan aattaaaaga aaaaacntta 60
aagtttgggg ggaaattctc tccccccccgg gggggggctt gggcaaaggg gggaaaantt 120
tcccgggggc naaacggnaa agggngggaa aaaatccnt 159

<210> 2862
<211> 115
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 2862
angtactggg gacacattca acattctctt tggctatcaa cacccntaaa ccgncaccca 60
tnggctcagg aattaatggg gctcttncta cggctgtatg caagggcntc tcgct 115

<210> 2863
<211> 185
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<400> 2863
ntttattcga attanccccct ncctggatta aaactggagc tccaccgccg tgncggccgc 60
tctanaataa tggatccccc gggctgcagg aaattcggca cgagctaagg ctcagggtct 120
cacctctcag atnaaggctc tgagttcata nanccctgnt ggatctcctg gttttttttct 180
gacan 185

<210> 2864
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 2864
atcactcaaa naaattacaa naatttttatc ganctctatc cctaaaactg gggtaagaag 60
cccaaaaggt tcaacaccan aatatatntt attatcaacc acaat 105

<210> 2865
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 2865
ggggggggnt nattactcna attccgngcc gngggnggan ggaaagctgg actccaccgc 60
cgtggcagcc gctctaaaac taatgnatcc cccgggctg 99

<210> 2866
<211> 121
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<400> 2866
cgcggtggcg gncgctctan aactantgga tcccncgggc tgtatcaatt ctgcacgagc 60
caacgtgcaa cttccctacg gatcntccct taatcccggt tcatccgata ccatccnnct 120
c 121

<210> 2867
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<400> 2867
ggtcatgaaa attattttta aagttaagtg ctgagcttat caatatgttt ttacactctt 60
ctaattacta ttactcacag atgaccaatg atnaacatta tacccttttt attaataggc 120
gacaacctgg tanagctttc agagacattc ctggggtttg agcattgggc tccatagcac 180
tgnaatacta caatatagaa cctttaacgg agctgttnaa gttctgaaac tttactttat 240
cagtaaaatt antatggtaa tgcatatctc agagttgtca tgactatgaa tgatngagta 300
tgaagtccta gaatgttgtg ggacttnccc taaatttttt cattttccct tctctcctat 360
tactaanggc atctactacc attgtgtgat naaannaaat gaaac 405

<210> 2868
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 2868
gatttttaag aaagacaggn aagcaaatta agtgaacctc attattgttg catctaactg 60
ccttgagaga gtttccaggc cattgcatag gggaacaggg aatcctcacg ggagcctgtt 120
ggatcccttg agttgaggga gatggagctt agagtctagg ggatataaag gtacctggga 180
atttgctggt cagagaggga gagagaggag agagctgcac agaaagcaaa ctccagagat 240
ttgcagaaga ttcctcttgg agtnttcaac atagtatgca actaatgttc ataggggcat 300
cctacctnag gtttaggggg aactataccc naaaggatag aaggaatagt gccttgcacn 360
cccataggac tgaaagaaag tgactatttc ngcccgtnca gactggaaaa aaatctncat 420
gattccct 428

<210> 2869
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<400> 2869
gggggtttn attnactcta atgcccctcc tttaatggaa aaaactggac tncccgccnt 60
ggcggacgct ctagaatagt ggatcccccg ggctgcaggg aattcggcac gagcctgagc 120
tccctgtctc tcctcantgg acatcgtctg naaaccctgg ngtggcaatc cctgacgcac 180
cnccgtgatg cccaaggaan ac 202

<210> 2870
<211> 446
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 2870
gattccaggg aagtggtatg tggtagcctg gcaggaatgc aattctcaga gaaganaaga 60
ccgcaaaaga gtatgccnca tctatgactg aaagaagaca gagctacaat gtccctccgt 120
cctgtttaga aaaagaatgt gactacggat cagattttgt ccagttgcca gccgngagtc 180
acctgggcac ttagattacc tgattacgat tactcctccg attgtgacac aactacacac 240
atntatgttt ctcaaaattc tcaacagatn ctcaaaccct ctcggaaaca gactatcgac 300
taagaantct cctcccattt ggctcctaaa cctcgctccn tcatcacatt tcacgtatnc 360
cgttcccgtt cccnccaaac ntaggatgga acncctgcc ctgnttcccg gccctaggcc 420
cttttatatt cncgccaaaa aaaaac 446

<210> 2871
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 2871
gcttanagtc tggttgccaa acagatttgc agatcaagga ganccagagt ttcaaagaac 60
gctagtaagt ctctgagatc cttgcactag ctacatcctc aggtagagaa gatgcttcca 120
gaacatgcgg ctgctcctat tgcgagctgc ctggccaaaa cagatcctgg tgattctcat 180
gagaccactg tgccnggatg tttacacagt ccatgctatg tnctcggaac tgagacngtn 240
gatcnaccat tc 252

<210> 2872
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 2872
cggnangagt cgctctactt aatgtctatg atttgttcta tganttaaga agtnngatgg 60
tcnaggagta acttgatgtg agcagtatca acctgtgtta gatatcatac tgttgn 116

<210> 2873
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2873
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg accccnaaaa nnnn 104

<210> 2874
<211> 330

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<400> 2874
ttcggcacga gttcattctg agtactgtgg cagccctggg aagtttgtac acagaggata 60
ttgtcatttt ggaaagaccc ttggctgctt agtaagaagg cttcaanagg cagaaggaca 120

gactacgaag ggctgcttca gagtccaatt aagaagagag nctgggcatc aaaagaaaga 180
accggattgg tggctgtatc ttcatcccnc ntttaagcag tggagatcct gaccagattc 240
aaacacttgg cactatgaat cctctctcca aaaattaaac acagttatng ccntgtccnc 300
ttatcccaac ttgagncagc gcnaccagtc 330

<210> 2875
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<400> 2875
gccagactac gctcttccgg tanaacgctc ccggcctgac anaccatgga gctgcactgg 60
anccnttcac gtgntgttan ntgacacaat ngtctaaaac tgtctagtnt ataaacgtgc 120
aanaatgtcc cacacaacac gcgttgnatt cttttgaatc atgtncgata atggatcagt 180
atccancctg accccnacc agaagcagta atgccagnct gattca 226

<210> 2876
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<400> 2876
gttatganga accattgcac attttttttct gaaacagcca gtcaagcaga nattaatctc 60
caatgcaagg ctgatctatt tatcattttg gaggtgggta ctttattctt cttcgtcacc 120
ttttcatgtt cccccggatc tattagtttt atttttaga tactccatat nacatacgtt 180
tatgctttaa tacantgctt taaaaganat ggacattgtc tgctanaatt gatttagtct 240
atanatatag aaatnatcac gggttattca aatttctana tcctgtgtcc attataagta 300
ttaagcactg tcctgctatt tatatggata cngtcccaga gtccttcagn ccttaaagan 360
tgattttnca aatttgcatn cc 382

<210> 2877
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<400> 2877
gtttanctgt gtataataaa aaaatggaaa ataatggtgg ctttgaagat cgtttctacc 60
ccaggtaaaa naaacctgga ngtaagcagc ccggggttgg catgacagct tcagggtcat 120
caagtcctgg ttttctcttg acctattctt tgtcaaacct ggagtaagtc cttgtcctca 180
gggtctaata cagctgccat gctccancta tcacattcca ngttagcaag anttgaagag 240
aagaaaaagg tatgcctttc ccttttaaag gacagtgcct gacctaacac ttctattcca 300
aaaatcactg ggcnanaacc ttaggcnttt ggccccagcc ctactgccaa ananatt 357

<210> 2878
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 2878
ggngggtatg atncnccttc aattaacncc taaaggacaa aacggacccc cgcgngggcc 60
gctctaacta tggaccccgg ctgcagaatt cggcacgagg ggn 103

<210> 2879
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 2879
gcggcacgan gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg atccccaaaa nnnn 104

<210> 2880
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<400> 2880
ggggcgccgg ctccaagccc cgggatgaga atcctnggct actntatcct cnctngaagc 60
gnggctacnn nnncnngagg aagtggggaa gggcngactt gggacctgng gtgtctgatg 120
ttnaagngtn gtgatcactg tngnacatct gtactcctga aaatgtcagg aatcaganct 180
cgtgactgta attgtcgctt cgttaccgac accngactct ctatcnagtc catctct 237

<210> 2881
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<400> 2881
tggggncatc gtgctnttng gaaccaggnc cctaaaanaa taaantanac tcacccggtg 60
ccgnccctct aaactattgg atccccnggg ctcaagaat 99

<210> 2882
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 2882
gaanatcgaa aggagaaaaa aagccgagat gtagtctcta agaaagagga acgtaagcgt 60
acaaaaaaga aaaggaacaa agccaagaaa ggacanagan gaaatgcttt gggaccagtc 120
tattcttgga ttttgaactt tcaaattggt tctcccaagt taaattgaaa aatagtgaga 180
cttggtttta tgaatcgtgt tcntacactt tcttantnat nggtcctttn ctcctaccaa 240
ggctattaac aat 253

<210> 2883
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 2883
gctagtctcg agggggggcc cggtacccaa ttcgccctat agtgagtcgt attacaattc 60
actggccgtc gttttaaacg tcgtgactgg aaccnaaann nn 102

<210> 2884
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<400> 2884
gggggggggng ggttgatacn cgtcaattac ccntaaagga caaacggact cacgggggg 60
cgctctagaa tatggacccc ggctgcagat tcgcagagcn ggagtagaga nancnctttn 120
ccctgagtgc catgt 135

<210> 2885
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 2885
gcggcacgag gggggcccgg tacccaattc gccctatagt gagtcgtatt acaattcact 60
ggccgtcgtt ttaaacgtcg tgactggncc cnaaantnnt t 101

<210> 2886
<211> 255

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<400> 2886
tcncccaatt ancaaaaann tcaggctgtg tnctcaggat aaccgattgg gaaacagcag 60
caccagggtg gcaaaaaccc aaactcacct cttgggattg nancacnaaa ttgcaatcaa 120
tnantttccc tgcggattac tgcntgagga atttgcatta ctgnctccnt cgggggttcc 180
ccacgctcga nactcatgtc cgtgtagacc cattctcata tatcgcgcca cgcggaaaac 240
tatatgtgnc tcnca 255

<210> 2887
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<400> 2887
gcggcacgag ccttgccccg gagaactcng gagataactg tcacganctc ctctgcactg 60
gtccggaatc gtgaacagct gcgtctctcc ccaaaaaatc tacttgaagg tctggaaaaa 120
ttcctcccac taatacctgc tncatgaaaa aacgggttct cctcctcngc cnagcncccc 180
tcnaaaataa ttt 193

<210> 2888
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<400> 2888
gaaaaatcaa gcggctggaa gagaaagtct ccagagtcgg antgaggtgg aatatacccg 60
ggaccaaact cacgaccact cgagcctgca aaccttcctg ggangacagc agccaatgcc 120
ctccctggga atgctcccac tgtgctgtga agaactgatt ttggtttttc accactctgg 180
atcgaatatg ctcnctccca cctctcttga tncacctggg ttaactatta tactcatntt 240
tctttttgtg ctctcaacca tntcaaataa tcnaacctcc c 281

<210> 2889
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<400> 2889
gaaaatagat attcctcatt gagtaanaat aacctgatac caccagttca actcaaatat 60
ttactgggca aatattattg cgagcgaaga aacncttacg nttatattct gaccattagg 120
cacttacana gaaaacatac aactcttnaa tatttgacna actggaagac tcatacttct 180
ggtgctaagt tgcaactgcg ccatcttttt ctagctgtcc gatccatcnt ttaattgaat 240
ttaaggtgta tgttcgatac aaacntanan tcn 273

<210> 2890
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 2890
gctcgtgccg antcggnacg agtnttattg tccactanat gctcgtntna attgaagata 60
atagngattt tagaaaagan ttgaanggat gttgttttta caattangna agcacagaaa 120
gacacaaacc ccagacatct agctctccac gtaca 155

<210> 2891
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<400> 2891
gaaaacacta nngtgcttct ttaatatacc aaaattancc caanacttga cnaaattaag 60
catncactgg gagcttaggg aaccaatcct tttagtgccc tattaatgag gtaaatatca 120
cagcccatcc atcttaacaa agggtatnaa aatgacgatg tgcatgttnt gtgatgccac 180
aaccctatnt atnagaatnt atactaaaga aaaaat 216

<210> 2892
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2892
ttgatacccc ntcaattaac ccctaaagga caaactggac tccccggggg ggcgctctaa 60
atatggatcc cccgggctgc agaattcggc acgacggcac gaggcaagga aaganaaaaa 120
ttataaccaa gcataatata gcaagactaa ccctatacc ttctgcataa tgaattaact 180
agaataactt gcaagagagc aaagctaaga ccccgaaacn acgagctact aagaacacta 240
aaagacacac cgtctatgtg caaatatggg aagattatag taagcacaac tacgagctgt 300
gatactggtg tcaagataat ctattcactt taattgccca aacctctaat ccctgttatt 360
tangttgtcc aagaganngt cttgacctag aaanctgtta aatnaaattg 410

<210> 2893
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<400> 2893
ggggggggggg gggttgatac cccntcgant taacccctaa aggacaaacg gacccccgcg 60
ggggccgctc taactatgga ccccgggctg cagaattcgg cacgagctca gactgggaag 120
accaggcaca atgataaaca tactggctgt tgtggtgaca atgaccaatt gagtgtgtga 180
attggaagca agtagtgcaa gagtgaatat tggctgaaat tctagctatg gctatgattg 240
acaagggaac cgatggaaat cnttgccatt antgatgacc tgatcaccna tttatgattc 300
atantcaacg ctgaactgct ctaaactcnt gatgtttaag gt 342

<210> 2894
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<400> 2894
ntggcatcnc tgtgccatcg ttaccggttt ctggtctcta tgcgatncgt ggtctctngt 60
ctgctgatnc catctcggac tacgtgtata catcatcaac gaattgtgtt caactgctgg 120
gcttctggnc ctngactcca ctgccgggnc atgctgacga cccgggcatg ccaaagaatg 180
cactaagatc accagattac gttagctggn agtgttacat gcccaatctg ngctcagcca 240
cgaancacat gatttgtacg nctcgaaatg acacangtcc 280

<210> 2895

<211> 158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (158)
<223> n equals a,t,g, or c

<400> 2895
nctaaagaan annactggac tccccgcggg gcgccgctct anaatatgga tccccaggct 60
gcatgaattc gcacgagcat gctcgtggtc ccaataactc tgaagcgggt ggcattccna 120
cattgganct ggattaatta ccngtgtgta tntctttn 158

<210> 2896
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<400> 2896
ggagaatagt aatgagtttg agtgggaagg taaatgtttc actgttttta atctgatctt 60
tattaatgta ctaagggatt ttgtttgaaa tacatcattc tttctaaagt tcatatattt 120

gttactaaga taggaaattg tgctaaccct tgaatattct caaggactta aaaagtgtgt 180
atagagtaca ccagtggctt ttttgccctc ttatttgccc actgctctca tgtttttttc 240
atagctgttt caaaaaatat tcttgatnat tatggcatgc tctttttcag tcatcaatta 300
aaacttttga aaaacatatn ttacatttgt gggaaggatt ctgaaaggag cattggggta 360
cttttantag tgcctaattg cctcttgtga atgacactta attattnctt acccacttan 420
ctatnttatc agattcttct gantctatca attcc 455

<210> 2897
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<400> 2897
ggagaaaaat atatcagaat ggggcatact tagaaaaatg attaatactg cccaggaata 60
caaaaaggag tcaaaatctt ataatatgtc acttttacat atttatcata gtagtttgtt 120
ttgttttgtt ttagatgatg caaaattgag gggccttgca gcccccagta acctttctat 180
ggaatcagac tcttgaaggt catantggtg atccattcaa tttcttttaa gttcatgtnt 240
ggaatggtat ttangcattt aggaaattcc cctacttgat gccagaaaat gtccaccatt 300
tttaaattna tggggnaata tttaccaggt accagaatgc nccttggaa tttaccaant 360
ggggan 366

<210> 2898
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 2898
ncggcacgag ataacactga aaaaaataac ataaccatgg ctttccttgg agtatttaaa 60
aatattcttt gtccatttac gatgacccgg aatttcacac catctgctgg acgtgaaatg 120
aaacccagaa agtgaaaggg gaagagacga cggtctgcag gcttcagggc ccagccgtgg 180
gcccaggtcc atgtggctgc tgccttccct ttccgtgctg tgcgtagcct cctcttctct 240
gaccggntac cccgcanccc cctcctcatt ttcctccccc acttttccca agggggttct 300
ccacttttat tttgggatna acttttcctg gggggaaaat ttnggttggg gtttaccccn 360
aaaaccanaa ggcacttttc cagccattgn 390

<210> 2899
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<400> 2899
gcttgagcct ttccctgctg gaatgccttt tcctgacaag ctgtagccct aaagtccctc 60
aaggcacaac tctgatgttg aactgcaagt ggatcatggg ataaactggg ttttacttta 120
atacataata gtatttcttc ctcagttttc ccctttccta ctctcagatt cctttgttgt 180
aggtgggccc aaanaaggac ccaccccact nttccnggna tnccaggggg aaaacccggg 240
ggtggggcag gaaaaaatag gccaaatgat tgctgangaa aatcatggaa aatccacagg 300
ataagaaggt tcctcncctt cttacttttt ggctccccnc ccattaaaac tcaaaaantt 360
ccccccccc cttaaatcct cttccncccg gggangnaaa aaaaaaattt tagtggaggg 420
aat 423

<210> 2900
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2900
aattttgaag gctctctccg caagcctctc aattggaagt ccctggctgc cttgagcana 60
atttccgtta atgtctctaa ggaacttatg ctgtgctatt tgattaaacc ctctactatg 120
actgacaagg aaatggagtc accagaaatg tttgaaaagg attaaagttc aggaggtgat 180
tctgagtcna tnggtttctt cacgagagag gagtgancca agannaatct ttaacaattc 240
nacctcgaaa tttctaattt caaccnaacc aaactatttt atttgaagag ggctanggtt 300
caaaaaagtn cctttnttag tttgttaaat ccctccccan tnaaattcca ataaagtttt 360
ttttaaaagg ggcatgngtg gctcccccca gcaacccagn aaanaactta tcccgattgt 420
ttt 423

<210> 2901
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<400> 2901
gttttcctgc acaaagcctt gcttttagag aatgcccaat aaggcaagaa aaagcatagt 60
aacttgtgct ttgagagctc aatatttgta tcttatcagt acagaagaaa tatttctgtg 120
taacttgatc ttctgtctag tacttgtctt ataggtaacc aacactgaaa actttgtagt 180
gatgactacc aaagaaaata catagtaaaa caacctttta tttccaaatt gttaaagagc 240
cagccattgg atgctgctac atganttcca tgctcaagan ccattgttag aaattaangg 300
gtttctaagt ttttgggtga nttnt 325

<210> 2902
<211> 312
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<400> 2902
gttgttcttt aatacatgtg ttcctgttaa tattatgtcc aatcacaagt gcctgattgg 60
ctggtctana anagttggag aagaaagata caggtcttgt ttaatatcca tttcatgttc 120
agctctcaaa atattcattt aaaagaatct ggaatgtaaa agtaggtgtc tattcatacc 180
aaattcagaa ctnctccaaa attatatcca acccagtatt ttaaaattct ctgaaaaacc 240
anaaataaat atctccnatt tgaaaaaatg aacttacgat ttcanggntt ncagcattcc 300
attagaaaat ac 312

<210> 2903
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<400> 2903
gggactgctt cgtatcaatt cccattttat actcttgtag ttggaanaat angaatcaag 60
cattgtccat cttgccaaag actgntgttt gtgattccag ttttcagtgg cttttcagca 120
tcccatcang cagaanacca catttgtctt cantactccc ctccagctgg accgttaggt 180
gtttgtttta cagtcccttc tccatacggg tttgggatgg ccctaaanca tccagttcct 240
tgaacaacat tgtgcttgac acaanaattg aacatnaana tctccttgtt gctancctgc 300
actgcatcct tgtttaccaa attntcccan ggncttnttg aacccccaaa aaagttttaa 360
aattcccccc ccttttanaa aaaacaattt tttcccnaaa attnccccct gttnaaaaat 420
nnaancccca nttttnnggg cccccaaaaa aatccaaaaa aaaaaacccc ccttnttttc 480
ccccccggc antttttttn ttaaaagggg ggaaaaaatt cttctcccca atnttctt 538

<210> 2904
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<400> 2904
gcagtaatgt agtcatgcaa ttcagatttc aattgggatc ttacaaacaa actcattgtt 60
ttgtgtttgt caaatatgaa tacatttatc aacttagtga aaaataactt gatttctgca 120
tggaaaatat ccaaggttat atatcactat tcctttactc tagagaaggt catttagttt 180
tatgtaaata tgtggcagat ctcagtttca gtgacttncg tgctccanct ttaaaagtgt 240
ttttgaatgc ttggaaggaa aatgtgatat tcanagagag caatatcttt ataagttaag 300
tttccttgaa tgaatctatg ttgattacnt tgaataaagt tgaaatgccc agtttttttcc 360
ccnncnc 367

<210> 2905
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 2905
gctgganttt gcnctntctc nctgtcatgg ccatgattcg cggtcaanaa gcaaa 55

<210> 2906
<211> 238
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 2906
gaaaaagtag ctgagatatt gatttctggc atgacagagt gaggaggttg atgaaacctc 60
ttcccaaaaa aacagctaga aagctggaag aaaactgtca aaaacatcca tttcagctcc 120
ctaaaaattg accaaatata tgcaataaat tgagacgcat ttgttcatga aaaactatta 180
nnncctgggt tangaaccag aacaatcttt gggnttcctt gcctatcatc actccctt 238

<210> 2907
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<400> 2907
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaacccaaaa nnnnn 105

<210> 2908
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<400> 2908
gctcgtgccg aattcggcac gagctttggc tccanacgga ttggactgcc tgttctagct 60
cttctcagaa tatgacattt tcttggtcac ttctgtaact agcgtccgac cacacatgcc 120
attctgtctt cagatncctg cagttagtgt gctttctccc tcgtttgaac cctgcagtgt 180
ttagtttctg cctctcttat gacatgtact agtgttgtgg gctctgtgtt actctgagcc 240
acattatcca gcgaataatg ttcacattta tcgctaaana aatttgcctc atgccgaaca 300
ctcccctccc tcntgccccc cgccccggtg tttcctttag aaaaggcaag ggaantggcc 360
tttactaatc cncaggnnag g 381

<210> 2909
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 2909
gattaccttc atggatattg aaatgctcaa gaattatgcc agaagtagct attagagata 60
gagccagtga cttaggatat gaaatcttca gaggatggta gaaagagaaa ggtaaatgcc 120
ataagaaatt agagtacttg tggtcattga aaccatggaa tttactccng gggngtgttt 180
atntgagaaa tccaggttnc taaaattttg aaccctaact tttcttttaa nggggа 236

<210> 2910
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 2910
ggttcattta tgantgctgt gctttaacgg tgcctatnat aatcctcana tatcacnnag 60
tca 63

<210> 2911
<211> 58
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 2911
gaactagtct cgagtttttt ttttttttt aancntngga cntggatttg attgacnt 58

<210> 2912
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 2912
atntcatatt gnttcagcag acanaatgta cttcccttaa ctttcattaa tagtgtttac 60
atctttngtc agcacagcaa acttttagaa agtaatagtt ttacttattt ttatcttctg 120
ttttctcttt gtactgcttt gtcttgcatt gtgttccaac acatgagact tactgctcac 180
tgaattttgg agtcttttag aggtaaattg tggactcagg atttttgaa acttggtgtg 240
taactctaaa tcttgtatat gcatctttgt tgcttattac atatttacac acacaaccac 300
aaattttaaa cttatgatga aaatttacaa taacctgaaa agatccagan atttttgaga 360

ncatttngta cttgttattc ngtttactaa atttgangtg aaatatttaa aagaaaagga 420
cnttaggaaa tgaaatctcc ccttccaata tccttgaata antaaatgga ng 472

<210> 2913
<211> 73
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 2913
gtaaacacca taccnngcac taggcttaga ggaanaacat gtcagattgt nctgtcactg 60
gcnatgtacc cag 73

<210> 2914
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<400> 2914
ggggaactgc tcctccagga gactgctgat tttggcngga aactgctcct ccangantct 60
cctggaggaa cagttccaac agtctcctgg aggaacaatn tcctgntg 108

<210> 2915
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<400> 2915
tacgcgcttt cgaaattaac cntcactaaa nggaacaaaa gctgganctc caccgggggg 60
gggggcggtt nnaaaatnat nggntccccg gggtngaag 99

<210> 2916
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<400> 2916
gctcgtgccg aattcggcac gagtatctcc aggcattcag gcattcagag caacaggtcc 60
tctgaattac tggcctgagc tgcccaccct tcctgtgcag agattgtggt gttatggggg 120
ccctttgcac tccaagtcca gcnagatctc caaacacttg ctgcactaac tctcctgggt 180
ttangaattt aagctggccc tcatgccagt gcanaaaaac tngcggttag gggttttctc 240
aactccatgc nttnaa 256

<210> 2917
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<400> 2917
nctagtggat cccccgggct ncanaaatgc ggcaggaggg aaaaatatgg ataattaaat 60
aactgatnna ttctatttga ccagaaattt acttttgtaa acattataca taaaataata 120
aagcataagc acatgctaat ctgaatcatt ttcaagaaaa tgtgttaaat atattattag 180
gtcatattaa atatttattt gtttanttta taaatcatga tgtcttaaaa taacattaca 240
tatgttcaaa aaataacctg gtagaaaaaa tattcttctc tcattacata taaatttgag 300
caaatttaac attgnanttt atgttagcta gtngactctn agatcagaaa gaaaaatnaa 360
aactaagtcc tgaatttttn aactatgggg aaaaattaat cttgattgtn actcacantg 420
ccaccctatc tctgttttgc tttgtctttc cctcaaatna cnagaaatgc cnggaaccca 480

gactgcttcn cnattnggcc ngatngtttc accttccgtg gttattaatt ccnccaaaat 540
tgcaaaatcc cattctggga atnaacctnt ctgcct 576

<210> 2918
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 2918
gattttaagc taagaatata actatatcnt cttctcagcc caaatcaggt gtatatgtgg 60
tttgacaagt attatagtat attgatgggt atattaatgc aaagaatttn nntnggaatt 120
gtcctagaaa tatataagat aaagaccgta tgtctaatat gaaccagaac atcactgatg 180
aagtagagtg aaataacntt ttatttccat acatatctgt aactgagctc tctaatattc 240
tttagtgtct gtcaattatc agagaaaaat tttagaatgg tctttatttg actcattaaa 300
atatcctatc tttgaactgt tttaaanctg tttgaattgg tccaanatct nattnattga 360
aatttcnccc tattgtccca aaaacccccg tggtccttta acctttggtt ggaggtgaac 420
ccgtttttaa ntgacaaatg agtcttttga aggcaaaccc caccaccnaa cc 472

<210> 2919
<211> 113
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<400> 2919
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa ttntngtncn ntc 113

<210> 2920
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<400> 2920
gccaaaggtg tctgaagacc ctgggtagcc ttccaggtca cagacatgaa cacaacctga 60
gggacttggg ggacatatca aaagaaccaa catacacatt ttataagagt cccagtaggg 120
gaaagaaaga gaaaaatgag aaannngaaat ttttgaaaaa attatgttga aattttccca 180
attcanatna aaaaacttga tcttcncncc caaaaanctt aatgaactgg ataaacnccn 240
taaaatttnc cctaaaacct nttcccnttt ttttttaaan tctccaaaat naaaaatctt 300
tttggaatat tnggggggaaa aaacnccccc ctttttgtgg nccccnaaa aaaannnggt 360
tnttttttta accacnnggg ggggggnggt ntttanaacn nccccnnaa aaaaaaaaaa 420
ccncccccct ttttttaac cncccccccc aaaaaaaaaa aatttntntc cccaaancng 480
gggggttncc ccaaaccccc nttttttttt tttcccccaa atttttttn c 531

<210> 2921
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<400> 2921
acagaaatct cattgatcct catctctaaa gcttggttta tcttaccaag cctacctacc 60
ctctctatac cttaggaagc taccactcat gtagtcaaca aagttaaaaa aaattgtcat 120
tgtcatcagt cttctctgaa cacgtttcat tgacaaccaa gcctgtctct gattttcatc 180
tctaaagttg tcccttgaat atctctctct cttgttagtc ctatggctac tgatgatcct 240
tgccttctcc cactttgact ttgttttaaa gaaaaatttt gaaccaaata atataccagt 300
ttattttgan ccaattacat tccatgaatc cagggcacac tccnatnccc canaaatccc 360
gaaaaccncc gttccaacca ttatgggggg gggggtttca taggggggaaa gttggaaggn 420
gaa 423

<210> 2922
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<400> 2922
gctgaggagt tgagaagggg gcggagactt ccaggtctac ctgtccatgg taaagcactt 60
gaacattagt gtaaggacaa tgggaagcca ttggcaggtt ttatggaaga tggtgtttta 120
aatagatgtt tctggaagtg taaggtggac aatggattaa agttanacac cacactgaan 180
gcatggtgac tatttangca gctgtttagc agcagtctgg acaaggtatg atggtttctt 240
ggactaaggt taaatccagg aaaaaaatga atngattgtg ttaccttgaa caatttactt 300
ccccccccctg aacctattta acttntttcc ttccngtttt ggcctacctn tcctaagaaa 360
ancccggttt ttggcccccc naaatttcct gccggcc 397

<210> 2923
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (295)
<223> n equals a,t,g, or c

<400> 2923
gcggcgcgca ccttccccgg cgcagtctct tgccagccgg cgatcacgca gagctgaacc 60
ccgcagctag gcgcgcagga agggctgcac agagtttgaa gacacggcag ctgtaagctg 120
gcgtgaggaa gccaaaggag cgcgcagact gcaagcaaag ggcggtgggg cctgggacct 180
gaattgagtg gncgaccgca gcactcaagg tgccatctgc ctggcctntg aagtgtgtcc 240
ctccaaactg aanaagctat gantcaaggg ttnggacttt atgggaaaaa aaaanaaatt 300
ttattaaaaa 310

<210> 2924
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 2924
gggncccccn ngtcnttgat aaactatttc caaagaacca gaatatgtcc tggtcatgga 60
cattcaagcc agtacttncc gtaataccta actatggcaa gagtgtnaga gagcaaatna 120
ttctncctaa gaacgagatn ccatgcagga agccagagt 159

<210> 2925
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<400> 2925
gagannctaa antacgaaaa gggtacnagg aanatgtgcg cgtgtgttaa tcctacgttn 60
acctcangnc nccannacna ctggnaattc tntatcttcc tacctccaat ctcgtaccca 120
aaacaaaaca aangaccttt ctctattatc tcatanaata tccaatactg tccttgtgga 180
atattcctaa attcactatg acttttaaca cacaaagggt caacattaaa gncgtataan 240
aangtactng gnaccc 256

<210> 2926
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<400> 2926
ctcgtgccgc tcgtgccgan ttcggcacaa acggcacgag gaacaggtnn tnaatctntc 60
tttnntgtgn aatactnctc ccgtntgtnt atcaacctgc aagctancac gatgtttgct 120
ttngtacagg tttatatcac agaccactgt acatncttgt cttccaaggg aacttcaaga 180
tngaattact tttgatcnct cantntntat acantgtnta aaggtntana acttcaactt 240
tctcnataat attcaactct tcaatnactc tnccatcact tcctacttca atctgaattt 300
aaactaccgt aaagtctcnn aactttcctt tgaantacta ctacccaggt tcaacttttc 360
ttctttgtaa attggtaagg aataaatttt ttacgaacaa tttttcanaa gccttctttn 420
aaaggaacca atttactccn aattcttctt acncctgccn taanaaattn ccaataactn 480
cctgtcaang tttttnccct naagccaagg gacaaaaaac aatccaaaat cctgaacaga 540
aaaaaaaacn tctttttcc 559

<210> 2927
<211> 189
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 2927
gcctacttaa aaggaccaaa agttggggcc cccccgcggt aaaangacga tttttaacta 60
gtggatcccc cgggctgcag gaattcgggg ggacccccct ccctgaaaaa acagtangtg 120
tgtaaccncn aattaccaaa tggctgcntg actgtatntc aaatttaatc ccacttagcc 180
actcaggat 189

<210> 2928
<211> 490
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<400> 2928
gcaattacta gctatnaata tattactttt taattgtgta tcaaaacacc caagcactga 60
gttaatatat cctgtgcaaa tatactaaac ctacttagtc tatccaaata tgtaactgga 120
tacactacgt angtttcttc tactgaggaa atttgtcttt catatggtaa ctaggtatga 180
atatttgctg ttgaagcaag cttttcccaa tcttcaagtt gaagttttaa ttagcaaaca 240
atgtttacaa catgtaggcc aagtattaga attttcttgg ggtcactcat gatttatctc 300
catgctatat gtccccaaca aatagtctcc caagaatgga acanccaagg ccattggnca 360
tgtngcaagg tgcanaaacg ggctcancat cctctgaaat ttcgctttgt gaacatatnc 420
ctaacaaact ccaatcnggc catgnttttc ccttgaaact taaaccccca cctgttgcng 480
gggggtnact 490

<210> 2929
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 2929
cctcttaaaa ggaaaaaant gggccccccg cggaagnggg cgcttttaa ctagtggatc 60
ccccgggntg cagggaattc ggggngnccc cccctgcnt 99

<210> 2930
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 2930
gaacatattg ggcatttaac ttaaaaattc taagtcatgt tttctttttc cactataaga 60
ttgtactagg tgatataaag ttcatgtcac ttaaaattca acgactgtgt aagtagctct 120
ttcagctttt cattaagttc atttttggaa atgtgcacat ctatgccatc attgggcagt 180
tataatttgg ggatttaaac acctggcagt gattgaccac tgtgactttg cttattccct 240
ttctctcctc agttaccgag ctgataccca gacataccag ccttatnaca aagantggga 300
ttaaagaaaa aatctacgtg ctccttccgt ccgcaggccc aacaagntgg ggaaattaat 360
tgtttttgga aacacttggg gggggtttgg ggttgggctt tnaaaaaaca agttttnttc 420
aacntnctgt tatggaaatt ttgtttcata attatcccgt ttccnctttg ttataccnta 480
ccanaatgac gtttaaataa attttagaac tgttcaaccg aaanccccttn ccccctn 537

<210> 2931
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<400> 2931

gaaccnatta tagcagcttt atttttcctt tttaagatta catttcaagt ttctgaatct 60
agtcctaaag gtaattttct catatgaatg gtacatggtg attatatcaa ctgggctgta 120
gaaaatgggc actgatttct caactgtgtt gattctagat tggtaagtga catgctccaa 180
gtatagttga ctgcatttct gatcttgctt tgtttttatg ggaattaaac tcagaatagc 240
ccttcttaat aggtcttttc anaaatttgg tagaagagaa attggtgtgt taatcaacat 300
aagattttag aatgcatttc tatttcaatt ttctctccta ctaatcctgt tactgtggtt 360
aataatcaat gtgttaataa tgaatatctg ttctttactc tgttccaggg taagacaaat 420
atatatggga ctctgccttt tgaaantact ttagaaat 458

<210> 2932
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 2932
gcggcacgaa cntnccccga gtctgtctct tgccanccgg aaatcacncn t 51

<210> 2933
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<400> 2933
gctcgtgccg aattcggcac gagcccaaat gaattgctgg acccagactg tgtgcacaga 60
tggctgaaac agtcagacct acacctagga gatgagatca ttcaggttca ccgtgaccca 120
gccgcgctgg atggatctgg atgtgctact ctcacggttg tcatgaggta atatggatag 180
gctattaaga aagccgtgac gacgcactcc cctgagacac ggtctgcttg ttttgctgca 240
tgtagtaaac agctctctca ctagatctga cagcacttgg tggtgatatt ctttttcctt 300
cagactgact gaagaagatt cagaagtact acagcattaa gccttttgct gttaggatgt 360
tataatttgt gtgtttttgtt gcataaagat naatttttgc catgttgctg ttaaaaactt 420
ctnaagaaag gagatc 436

<210> 2934
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 2934
gcggcncgag ggaatgtttg ataccattat gaacaaatga gctaattatt ttatgtttta 60
ttgaaaantt atctgttgcc ttatgncatg ttgaaaattt tagagattag ttgaaaggga 120
atnagaatga ttaaaagttt ggaaggctga atttatgaag aaaaatntta aaaaggcaaa 180
ntctaatcat gatcttccaa taaaangtnt gtggtttggt gggaaaggan cagttggga 239

<210> 2935
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 2935
nccctnttaa aaggacaaaa gctggncccc caccgcggna agcggccgct tttanaacta 60
gtggatcccc cgggctgcag gaaattcggg gacgncncn 99

<210> 2936
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (666)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (677)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (696)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (697)

<223> n equals a,t,g, or c

<400> 2936
gcccaaaccc actccacctt actaccagac aaccttagcc aaaccattta cccnaataaa 60
gtataggcga nagaaattga nacctggcgc aatanatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaacccct ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgancta 240
ccttggaaca gcttaaagan cacacccctc tatgtggcag aatagtggga agatttatag 300
gttgaggcga caaacctacc gagcctggtg atagctggtt gtccaagata gaatcttagt 360
tcaactttga atttgcccac agaaccctct aaatcccctt gtaaatttaa ctgttagtcc 420
aaagangaac agctctttgg acactaggaa aaaaccttgt aganagagta aaaaatttaa 480
cacccatggt aggcctaaaa gcagccacca nttgagaaag cgttcaagct caacacccac 540
tacctnaaan atcccaaaca tattactgaa ctcctcacac cccattggga ccaatctttc 600
accctataga aaaaacttat gtttgttata agttacattg aaaaacattt ctcctcccgc 660
attaancctt gcgtccnaag ggataggggg cncganncaa 700

<210> 2937
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 2937
ggcgccctna ttanacggct ttccgcttct ttacaatggg gaanttcccc catccccaat 60
ttttttttct ncnaaggggc ccaacctaac agtccccttt aa 102

<210> 2938

<211> 664
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (631)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (648)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (661)
<223> n equals a,t,g, or c

<400> 2938
gatcccctttc actttcccct tttccatcac gaccatctcc ccaattataa actgactaat 60

ttcaaaacat tcaaatcact gtaaaaattg tttcctttta caattttatt tcacaggtct 120
tccaagtgta aaatattatc tcactaatag atgtattctc ataaaaattt ttacatgttt 180
gcatatacat gtacctgcat cttccaaatt aataacttga tttaaaaatt atcttcagaa 240
aatatcaaag ttcatggaaa ttaattaaat tttttgncna attgcaactt cagccctttg 300
acaaaaatat atagtaaatt cttatttagc agcagcattt aaatactaca acatttcaaa 360
aatcttcaaa gttccacctt acctgtaagg catgtggaaa cccaacttct ccagaaccag 420
acttagtggt caattatctt gaacctccaa ataagtcaac ctggaagcaa gacacaacat 480
atggaaccat ttgcagacca taccagcccc cagatacaat tatctcccac ttcaattgcc 540
ttccactgaa ggnnggtttt actaagaata aaatggttct cccttaagca ctggaaaaaa 600
acaatgtttc ctccaaaaaa aaaaaaaaac ncaaggggg gcccggtncc atnccctaa 660
nttg 664

<210> 2939
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (605)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (633)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (643)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (650)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<400> 2939
gttttagcat gatagtttgg gaaactcttg tctaataagc cagtgctttt gattcggttt 60
tctttataat ggttgaatag tttgtcatcc tatgaatatg ctgctgttta gattatcttt 120
gctttcttga tagacatttg tttccaggat tttgttcttg gaatagtagc ctttttatat 180
ctgtacacat atattactgt atatcagatt cttaaaaatg gaattaccga agcaaangct 240
atgtncantt taaattctga tatatactac taaatgtttc tcttaaaaga ctacctanaa 300
ataaatatta caaatattgg tgagctactg gaatcttaat gaaagacata aagttagatc 360
tgaattaacn aaatgaaaca atgttttttc tggattgana catccctgtt gtngaattta 420
ctaattttcc cccagtcngt gtctccaatn ttgtnttgtt naaaacttga cttttgatta 480
naaaacctac ttaataaatg attccacaaa ttttggaaaa aaaaagccgt tcnggaaact 540
tnttaaaatt ccaatccttt taaacnaccc tccttccgga acccgggaag tccaaaactc 600
tttcnttttt ggcctttatt atttttaacc ccnttttttt ncnttncggn ttntcccatt 660
tnccatttat ttattccccc cttnccccct aaattaccct ttcccccccc ttttggggg 719

<210> 2940
<211> 736

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (629)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (662)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (694)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (710)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (732)
<223> n equals a,t,g, or c

<400> 2940
gacacggcag agatcagcaa gttttgtctc aagtcagaca aggtctangt ggccttggcc 60
ttatncaaag tgggtgacat atttgattat atttcccttt acctccatag tantcaggcc 120
agcagcatgg actgcaagaa cctaagggag caacatactt anctgcaaag tgagcaaatg 180
aattgagcct aggaatatgt gatgaaaatg catggctgat gtttcctgat ctccaaggag 240
actcccattt gctgaagttt tgcatgctta gaaatccact accgcaaaaa atacangaat 300
acctttaagt tgattattgg caatcttatt catatattag caagaaaaag ggagagatgc 360
ttactggtgg atgctataca gtcctctgtt tttaaaagta ccatgagccg ctgtgcccgg 420
cccatttaat actgtttata tgctgcaaca gtgtttgaaa ctgttttacc cacattccaa 480
tgaacttgan aaagcccaaa agaaaatttg gattttagcc ancaagatta tggatgggtg 540
aaatttcctc tttagttctt taaacaagtt atctgttcat actanatttc catatctant 600
taaattacta actccatgaa tattttcana tatttccttt ataanctatt tctgctgaac 660
cntccctccc gtatgttccc tgtgacttcc aaanaaaaaa aaaaactttn ttttttcttt 720
ttaaaccatt cnacca 736

<210> 2941
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

<400> 2941
gggattacag gcgtgagccg ccattcctgg ccaaaacaaa atattttaga gaaaaatttt 60
agaaacttat gagtttgaat taaaaaaatt actcttcctt ttcaaataga agcttcactt 120
tgaattttat ttttggtctt tatttcaaaa tatctaaata tatgaagcca tacttgcagt 180
anatttcgtt tggatttcgt cttactcttt tctggaattc tgaaaattag tattaaagaa 240
ttccaggtca aaagggaaaa catcttagag gttatttagt ctaattctca agggaaaaga 300
ataattctta gatggtgttc ttaaaacatt ttaacacttt cttattcgtt tgactgcaca 360
aaggagcacc tttatatttg gctgtaatac atccagttna ggcatangga ttgctctacc 420
ttcatattta ttttttaaat ttatcttggg ttaactaaat tagaaatata ctgccattcc 480
catctttgtt atcctaacgc aatccaaggg aataacctct tcagtagatc ttaaaatttt 540
agtgtcctgt caaattaacc tcttcaatta atatatgtnt taantttgaa ggcaatgaat 600
tttccttcct ccttcctgtt ttttttttnt tnaaattccc nttctntc 648

<210> 2942
<211> 526

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 2942
naagggaaag catacccgta ccantatgtg gtctgaanga ccccgaccgg catggccact 60
canacacaag tccacaccac agcactaccg tcccatccgt tctcatgaat ntttaaatcg 120
aaaaagcaaa acaactactc ttaaaacttt ttttatgtct cnagtnaaat ggctgancat 180
tgcaganaac aaaaaaattc cccnctttt attttttaaa aaccatcctt ncaatttctt 240
ttggtnaccg aanctactct cttttccttt taaaatcact tctctggcct ctggtttctc 300
tctnctttct ttctggcatn antaatntaa anggcgcttt ctcncgcttt gcccattcta 360
cttncttagt naaacatgac ctntgcgtga atggaatagt ctggacccct tggtngggga 420
tgcttgggaa aaccaaggaa ggccctgaac tccccactgc ccaggagggc nttnggcngg 480
ctcccncatt ggaattaaaa ccccccccaa aaatgantcc ttaccc 526

<210> 2943
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 2943
gaaaaagtaa cctgccaact cagttttctc aaaaagtctc ctaattctct ccaagaaaag 60
ggacatatgt ttcctaaagg gaggacctaa aataaatagg tatttttttt cttgatattc 120
tgttcatctt ggtttgtact gaaatgttta acaatttgga atgtgaaatt gctacacgta 180
ctccaaagca aatcanangt taaaagtgga cnggtnaaaa acatcattcc ggtngggcac 240
tgccctcact tttgtgctgg cggcaa 266

<210> 2944
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (615)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<400> 2944
gggacagggc cctttccaag tctgaagcct ggaccacagt tggggaatct gtcacgtgaa 60
tgaagatctg ccctccaatt gacttttcca ggtcttgggc cccactgggg tttcacagac 120
gcctgcctga atctcaacgc tgacacaaag accattttgt ccgtgggtgg ctgtgaaatt 180
attgttgcta tttggggaca caagctgaan ggcctcctat ttcatcttgc tgctgtcatt 240
ctcgcattat tataatgtta tcattggtga tttgatgatn agtcagcttt ttttgagttt 300
tatgaattct ggcagtaaaa aanttccaaa atgtctttca ctganctnaa ttccaggttt 360
ttancaaaan ctntnttcct tctgganatt anatnagacc anaatacctt ttttnaaaaa 420
attgtttact tggtttgatn ccaatcccgg ctcctccatt atatactgtt tgaatttngg 480
tccacatacc tncccatctt ttttntccta nccttnanaa aagaattata tattantgnt 540
ccncaataaa attttgaaga attaattaat ttaaaaattn ccaacccttt tttcaattcc 600
ncaaaaccta acccncctaa acctttccgt ccacccttta aattttnccc ctngaaaac 659

<210> 2945
<211> 438
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<400> 2945
gcctgccttg tntggattgg cactgtttgc cattctctgg gttggctgtg gcatctaccc 60
tccctccctg ntgccanaac cagcatcctc cacttgttca ggggnttntc ttaatactna 120
acgtagnata agggcttctg nancccanaa tatganacan tttccccncc tcaagatcat 180
tcantgtttt tcctttaaaa aaatggtcaa tnaagctcct ttggcaaaat cccccnaana 240
aacaagggtt tctttttccc atcccctacc cttctgggaa ttttttaacc cccctttcca 300
acnacttccc ctattcctac cctggccctt ttttctagga atccttagaa gaattaaaaa 360
aagttaatat tgattcctta cnnaataaat ttnccccaa aggaaaaagg aatcctcccc 420
ttaattantt ggtttntt 438

<210> 2946
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<400> 2946
atccnaattg ttatatattg tgagganata gggnacgaaa tntatntgta tnngatgnac 60
gcantctcta anntcntttc ttgtnaaact cnttcacttn acttcttata acgatggaat 120
ctatttttct cgctnttnaa tnctttatcc ncttcagcnn ttgtacngtg atctncatct 180
actcttaaca anctggaaaa ctttccatat tgtgttgatc actaattatc tctcttgctt 240
attngtnacc ttaatatata tctgcagatt ttctccataa accanacntc tgggatcatt 300
tccttcccac anattctgca nccttcacct ccccatacag tccaattcat gtctcactgg 360
acccnaaact gntctctntt ctgaaccagc t 391

<210> 2947
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<400> 2947
angtggaaat gttcatgcca ttcagtgtga ctctgcaagt tcacggaggt cnncctnctcc 60
tcntanggnc cacagactnt tctangctgg ttggaaatgg gcccaagatg atctggaaac 120
ttccattgct aataatccaa atagtttcna tctnctaagt attaaaggaa gacacttana 180
tctgatntct nattaccaac tgatctncaa aatggtcagt atttagatng tctccctttc 240
tacctgcttt tccttttaca anaaatnnag caaggaacaa gcatcatgat antgaaaatc 300
tatttcatca atatgttcat nttcaccttt catcttttcc atnacccttt ngaatatcgg 360
tgccttnaaa atctctcctt aancaaattg cagttctgtc c 401

<210> 2948
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<400> 2948
ggcataatca gtgtgatctt tagctaacca tggttttcaa ttttacctat ttttaaaaaa 60
acttttaaat taacattagc tcagcttcat ctttattaac taatttttgt taaagatttg 120
atgtcttcct atggtatata ctattgtcag tttatagcaa tggtagcttt gacctatgaa 180
tctcccaaaa tcaaactttg atcaaacttt aatacacgaa agttctccca aaccgttact 240
tttatantga gaagttcatt antaaatttc tgtccttaaa gtttggcttt tttattaatt 300
tgaaatgtat nctcaggata accatactaa atcattggga tntttgaaat tatntaaaaa 360
aaattatttt taacccgttt tnctcttaaa attntattaa atacggccgg gccctgtggn 420
ccat 424

<210> 2949
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (644)
<223> n equals a,t,g, or c

<400> 2949
gagagagggg gcagaacatg accctgcctg ttgaccccaa ctgtgacact tctgaaacca 60
atcttaggaa agcctctcat gggaatggca tttccaagat taggggtaaa gtgggacctc 120
cctgttgaaa agttgtcctg ccctctgtca gctagacatg ccataagcaa gggaaagaat 180
gacttttaat gacaggggta gaaattggga gcaagaggct gaacacatgg aacagaattt 240
tttgaagtgc cttgttnaat ggaaagtaga tgtangaaaa tttgaaatgc tggtatttca 300
gatgggccca ggcctatcac ctattattcc acctggagaa ggtagactta tattactcct 360
ccttttcca naaacagttt gtgtgtnaaa gccctaaagg gccacattcc cttgatccct 420
tttattaacc aaattgttct ttgcaacaag gtngggtntt ggccacanaa ctcctttaaa 480
nattggaacc tggaagccgg gaagtttggc ttatttnntt tttccttttg ggctccttnc 540
cattctttat nctggatgaa ccccttttctt ttatttctng gccaaaaaaa aaaaaaaacc 600
canggggggc cggtcccctt ncccctttttt ttttttaaa tccn 644

<210> 2950
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (635)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (675)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (679)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (691)
<223> n equals a,t,g, or c

<400> 2950
gtaataataa tggttggaac tactgcttta tacgatctta atgtccttaa tctttatctg 60
ggaatgtctg gttttgcctt gattcttttt ttttttnaa ggatatttng ctgnatttaa 120
aatttntncc taanaacttt tcctttnacc cnctttaaat ttcnccccan tgcncccgga 180
ttcccatnan tttgggtgca aattcncctt tnaatnattt tgggncccct tngtntaatt 240
nttnccccc ctnctttngg gctttttttt cctgggcctt ttnttttaaa cattttnact 300
aaaacttttt tnggtttgna nctcnnantt ttnacccnac ttgggtttgt tttnnttggt 360
tnnggttngt ttaaacncct cgganatatn nttttttna naaaatttna aaaattttgg 420
gnccttattt cttaattcat ttttctgccc ctngnccntc ctttanaccc cttangcntt 480
tttgggtaaa ttcccnttcc ccnggtnccg ggccttttnt tttttccntc tttcccccc 540
ccttccccng tnttnttctt aaaatncccc aacccccaan gtttcccccc aaccncnggg 600
nttttttttcc caatttaaat tcccccccgg tcccntgggt ccccaatttt ncccctttaa 660
aaaccttccc ggaanaaant ttctttataa naaaaccctt aaaaa 705

<210> 2951
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 2951
gcaggaagac atggtgagag aacagcatgc ctgagagaga aaattcatgc ttgccagtct 60
gagataagcc agtatcatct tctttcaggt gcaagttttg aaactgcttt tgaatttgtc 120
tgaaaatcca gccatgacag aaggacttct ccgtgcccaa gtaaatagct tatatattta 180
ttttgtaaat atacacatat atacatttga acagacagac agatctggaa agattaagcc 240
taaaatgtta cagggattct ctctgangag cagtattaaa ggtggttttt taaattcatt 300
ttgtatgtat gaatttccta aatttttttgc aatgagcctc ttttactttt gaaaaacatt 360
tttaaaaatt cnccctagca caattaatta tacttttttc tctaccnatt ttgggttcaa 420
ttgtgcctcc cntattttat acttnaactg tttgntttta catgtttctt nattt 475

<210> 2952
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (260)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<400> 2952
gcggcacgag aattaatgaa gtcaccttca aatttccaga gccatacatg tatatattgt 60
cagaatctgt ccatgacaaa cacaaaactg aagagctgtt ttcaaagaaa aaagattatt 120
tcacttaatt attttgttgg ataattgtct agttagaact tccaaaaaga tacttacaaa 180
cataattcac aaatttgaaa taatttctga agttgattag ctatctcata tcttttatca 240
ggtcattttt tatatatgtn ggcacaaaca ataagtatgt tctcttctgt ttgggaaaat 300
aatttggaat aaaatanaaa ttagattatg aaaccaaaaa ccttctcaaa tttangcctt 360
atttactcat gactggtttc tatgcacaag aaaatactaa accaaatata tngtaggant 420
gttattctct tctgcatctt natccccatt ttgtttctgn ctttatttgt taaaattgtc 480
tttantttaa tggt 494

<210> 2953
<211> 103
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 2953
gcggcacgag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaaccaann nnn 103

<210> 2954
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<400> 2954
gtctggcttg ccgcccacac ctgtctggat tcatcccgac tcgagcacct cctcctaact 60
ggtcccacgg gcctgtccct gccactttcc aatctgtcct ccacttgaca tttggagtaa 120
ttttttaaaa cagcaaatct gattaggaaa ctcanangcc cagggaagcc agtgacttgc 180
cctctggcac cctgtcctga nggtagagct tcctggcaca nggtcagtga gccccgaggc 240
cacctccctg gaagctgcan gaaggtnanc gtngtcnana acaacaattt tcattgtttc 300
atgtgtcatt gcctatttta cgaacttcgc aantgccctc aatttgctta atttactttg 360
gccacccccc ccntnaaaag tcaaantcgt taattccaac tcccncccgg caccgggttc 420
tgcaccngtt attccaacag gctggacaaa aggctaaatt gantttgaaa nccaataatt 480
atttcnt 487

<210> 2955
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (338)
<223> n equals a,t,g, or c

<400> 2955
gccaagtcag acttctctga atttggagcc aagaggaagt tcacccagag ctttatgagg 60
tctgaagaag agggagagaa agagaggaca gaaaacagag aanaagggag gtttgcatct 120
ggacggcggt cccagtatcg gagaagcact gacagggagg aagaggaana aatggacgat 180
gaagccatca ttgctgcttg gagacgccgg cgagaanaaa ccaggaccaa nctgcanaaa 240
anganggagg actganctgg ggaaaatctg aaaacactga aagaaaccac tcacgttanc 300
ataaggctca nggcacacgt tgccaccact catcncanga tgaagatac 349

<210> 2956
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 2956
gctcgtgccg aattcggcac ganatttttt taattgttgg agtgggtgat ttaagtattt 60
gaactttgct tatctcttgt ctaattaata cagattctgg aattttccag ttttacgtat 120
agataagttt tgaaagtatg atttaagaag atatgaaatg tttgtattgg ctatacttga 180
atttttttat tgcaaaaatg tctgattttc tganactggt tttctaacta tttataaana 240
aaattggttg tggtctcttt ggaaaatgta naaaaaatgt anttgtgtgt tctaatgcct 300
tggccagata gcttgctant ctttattgaa atttaatgta tcctgacatg aataccatac 360
tnatanggct aaanttgtat gtttgttgct ntt 393

<210> 2957
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (312)
<223> n equals a,t,g, or c

<400> 2957
gctagcagag aaccgctggc ctagaggaag gcagagaaac gagggattcc tgagttcctg 60
cacggagcag agcagcccgg ggaccaacct ggaatactca gttcagacta ctgaggaaga 120
caaaataaac ttttatgctt ttaaaaaaaa ttatggacag aacaatatta gaacaaaaac 180
ttttatgatt ttccagcttc tggggtttgt ctacggttac cagcagcctt gcccngctat 240
tgtttttatt ctgttccagg ctggctgtta acaaaatacc aataacgggt nnttcttaac 300
aacnttttct anaatttcct ggggg 325

<210> 2958
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<400> 2958
gtgtaggcac cctcctaatg ttggttgccc tccttttaaa gtcagagcaa gagaagtagc 60
aggaatctat atcctaagga ggaacataaa gggtgaaaag cacagtggaa gggatgccta 120
aaagagcaaa ggctgaatca gggttttaat ggcctgaaat gaccaatttt ctaaaacttg 180
acaggttaga tgttaaaatc agacatatag gttccaaaca atcgattgca aaggancact 240
tgttcaaaac actggctggg aatctgctca tgttgatgaa aaaccccagg gtttaaagtt 300
aatttnaggt cnttttgaa tccngaataa cctggctgaa aanaatccca accnaacccg 360
aaagaaacaa ccctnccgga acccttaccc ccccttgtg gaaaagaggg tnaaaaattc 420
ccccccttatc ccttgcccnc aatttttttc ccctttttntt tcttnttttt tnccaccccc 480
ttaaaaaaac tttt 494

<210> 2959
<211> 149
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<400> 2959
aactattgga tccccgggc tgtatgnaat tcggnacnan ctcgtgccga attcggtacg 60
anagataact agtctcgagt ttctttttt ttttcctaat atcgtctccc ttttnaatan 120
cttatttaat anacttngtg caaatttaa 149

<210> 2960
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<400> 2960
gcggcacgag cctccatcct agatagacca tcttgagtct gctgtctgga ggctagatag 60
ggaacaccca ggaatgaaca ggccgggttg ccattataca gatgctggtt gctgaaagtc 120
ttcaactgta aactaggtgg atttggagat tgataggtaa ccccgtctta caatagcatc 180
atcatatcta tnatttaaga atttgtaagg gacagtagtt tcataaaaac tcttgggttt 240
tcccaaatta anaaaaaata aggtccccca aatttattta ttaattttan ggttttttg 300
ggntnnccg 309

<210> 2961
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 2961
gatcatttgt tgttttagaa gattgtcttc atctaaacaa aaacactaag aaatcagtag 60
atcactagat aatgagtcag tgtttttagc atcacatttt acaatttaca gtttttgttt 120
gattctgtag cccatttttc ttgaaggtta gaataagaat cttcttgtat ttgaaaacca 180
tctgccctaa attacattta actacaagaa atggctctct gctggagaaa tttaagcttg 240

tcttagttgt ttggtagtgg ctatggaatg anaagtgttg agtcttgtgc cccttccatg 300
ttnttatttg ctnacttact atattactan ggcctttaat tccagcacag catgtcttct 360
ggtctatgaa aattgtgttg aagactaagg caaatgcctg ttccctgcca ctctccncca 420
naaaatcnta tccgaaaant gactttgaat tccggtcctg gtaaccaaac actgtaatcc 480
tccctttgca atccccngaa ccaaaggcta cgtccccngt ncnccccttaa a 531

<210> 2962
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 2962
gcggcacgag ctcgtgccga attcggcacg agggggggcc cggtacccaa ttcgccctat 60
agtgagtcgt attacaattc actggccgtc gttttacaac gtcgtgactg gacccnaaaa 120
aa 122

<210> 2963
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 2963
gccgaaggcc cagttcttcg aaagcctgtg gccggagctg gactcacagg attcggggtc 60
cgtacagcgc gcacgtggta ccgcatcttc ggcagcggcg cccctaatgc ccagccccgc 120
cctgcttcct ttgccgggcc tgaacggtgt cagcattgaa ggttggacgc cgantcncgg 180
cgaattggtc ccttgcggtt ataaacttgg ggcttcccta agggcggtgc ccggatngat 240
gggggcncct cttccacctg caactccccc cacgcnaaaa cgcnaaaatt ncacatcncn 300
ggccaacccg tcncctccgg gtttttcaag gggggccccn gggcaaaaag aacttaanaa 360
ttgttttggt ttttaaaaac catttncatt tggnatgggt ttctttttgc ccctaaaggt 420
ttcaaccccg ggnttntggt tcattgggcc cattttcaa aaaacccenc ccnaattttg 480
ttttttccna aaac 494

<210> 2964
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<400> 2964
agtnttacct tcgccnttcg aaagccccgg ccctaaaagg aataaaagct ggagctccnc 60
cgcggtggcg gtcgcnctag aactattgga tcccccgggc tgcatgaatt cggcangagc 120
tgcttcctct cctggantcc agagtcccnn tgctccgtcg ggatattcan taaancnctg 180
ggantcnggc ngtanggacg cngcgcgccc tcccccgacg gtanggaaat ccgtngtggt 240

cngcggnggn atcncaggcg tcacttgtgc gnancagtcg gctactctct ttccatcgga 300
agatattctc ttggtcncgg nntctccggt tantaatgaa ttccaaattt cgagcanatt 360
tctatattnt tngaacaatt cgatgtttna ataacantca agttccatgt ttnagaatan 420
gcctncnccc ncatggaagg ttctagaaac ctggcgttaa cgctacctga aaaaaatttt 480
aaaaanactt gcgttnnnta cnanaaaaat gggcatccac acctttttt taaaaactct 540

<210> 2965
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<400> 2965
gcggnacgag ctttcttaca gctggctact gaagttttgg gatactagaa atatcacttt 60
tatccanaga cttactgagg cttgtactac tcttcaagct ttgtggttta gactttgagt 120
catgaatttc acccttctct gaatgtcttt taaagtttat gccattcttt gaatatggtt 180
cttggactcc tacattactg ctgccaaccc cacccagaaa ttttcttatt tgccnagtat 240

tttttttnggt cttttnnaat tcaanggtca tcattctcca taattttggc tat 293

<210> 2966
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 2966
gtcgagtttt ttttttttt tttaaaaaat ngtttaanna aaatcncncc caacactttc 60
a 61

<210> 2967
<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<400> 2967
atgattttca ngctcgaatt ccccttcgaa atncngcctc actaanggga aaaaagcngg 60
agctccaccg cggtggaggc cgctctacaa ctagtggatc ccccgggctg caggaattcg 120
gnacgagtgg caacctggtg atggcagtgg tantggaaca tcctgccttt gcanccntcc 180
ctccntc 187

<210> 2968
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<400> 2968
gcccaaaccc actccacctt actaccagac aaccttagcc aaaccattta cccaaataaa 60
gtataggcga tagaaattga aacctggcgc aatagatata gtaccgcaag ggaaagatga 120
aaaattataa ccaagcataa tatagcaagg actaacccct ataccttctg cataatgaat 180
taactagaaa taactttgca aggagagcca aagctaagac ccccgaaacc agacgagcta 240
ccttagaaca gcttaaagag cacacccgtc tatgtngcaa aatagtgggg aagatttata 300
ggttgaagcg acaaacctac cgagcctggt gatactggtt gtccaagata gaatctttag 360
ttcnactttt aaattttgcc cccagaaacc ctctnaatnc cccttgttaa ntttaacttg 420
tttngtccca aa 432

<210> 2969
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 2969
aatacaatgt natttaaaaa agtatgcgtc ataaaaacct ttaattctat aggnttatat 60
ctgattcaat gatatttagt anagtaattg tcaganagat gtgtaatgta ntaattgaga 120
ctgaanttta taagggccaa gtcacatgtc aatgtgacat gtanagacat atttatttnn 180
aaacttggat gtttctaaat ttgtattacn a 211

<210> 2970

<211> 96
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 2970
tttttttttt tttttangna nttttcccct taaaaaattt tttccatttc ccccentccc 60
cccgnggttt cctttttaa acatttccaa gccctt 96

<210> 2971
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<400> 2971
ggtgaaatgg aagaatttag gataagtttc tgaaagactc ataaacagtg attcttaaaa 60
aaatgagcat tgggatttat ttcagggaaa acataagtat tgtantcana ttaccacctc 120
cctncgggaa ngaaggccac atnttgtggg ttttggt 157

<210> 2972
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<400> 2972

gaaaaaaaaa aaaaatttgt tgcncttgan caacttnatg ctntaaaatn caaaatntct 60
ncaattntnt ggtccaaaaa tatattctgg atttggtaat tggcaaaccc tttgataaac 120
atggccantg accnctnaat acncccccaaa gccagcnttt nctncttntn cagtgcataa 180
aatttattta ttttnaaaan ccncatacta ttttgggacc attaaaacct atggttaaac 240
tggctgcatt ggaattaact ttngaccaaa tcctaacnct gctactttct aacattntga 300
attgggnaat ttccttttcn 319

<210> 2973
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (590)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (642)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (656)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<400> 2973
gacagcatgc atataaaatt ccaatctgac aggtcataaa tatacatttg gatatgtgta 60
tctattactt acaaaagtaa aaagaaatgt tctaatgcac agtttgaacc taaaatatac 120
atacataaag ttcttgaaag atgccaactt gaatccaatt ttaaatgaaa aagtttaaaa 180
ttcgtaagat gagatgagtt gatatgtaaa tatgtcaatc aaattgattg ttggcagagt 240

gaaaccagtt ttaactaaga taaccatgaa tacgtttgtt catgaagcct aaatacagtg 300
acattagaaa tgttagtgga taaaagctgc gtactttaat ttcagtttga acagatgttt 360
tatgttatat ctntattgag atgaagtaga tcactccaat tttaagttga acaacatgga 420
ttaacttttt aganaagcag tctaattagg ctgactttng aatttcctat ttttaagtta 480
cagttccaga acctgaaagg tttcatcctt ngtntccatg aaaacaggtg gtttttccnn 540
taaaatanta aaacngggtc ctaatgtcat attttaaaat nattgtttan aattaaaatt 600
ggtccnccaa taatttttttc caatatntcc cattcaggtt cntcnatttc cccatnttcc 660
ctttgaccnt gaatcttacc catgagcaaa cttggaaatt tgaatgaat 709

<210> 2974
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<400> 2974
gttcagctgt agttcttatg caagttcctg actgcgaagt caatgttaaa ggtaaggttt 60
ttttccctat gtagtctcat cttaagttgc aaatgtagat tttaattaag cagtantaat 120
gtgacttttt tgcctaatct tgcagtagat tctaccgtat aacacattgg anatggtaat 180
cgttcagttc atataaacat aaaacagcat ttgttaatat gtctgttaac angtagttna 240
taatttaatg tttgctttta ctggggcttg ttttgantcc cattttatt tgantcncta 300
acaaccatct nttaattaca atttaacttt cnaaganctg cgtnatttgt tttttgttaa 360
tgaaatgcta ttaacagcat tatnaaagtt ttctctttta atcttgaaan gaaaaaaatc 420
cntctcttaa aaagcctccc ccaaaaaaaa agaaaaactg ttccttaagt cccctactgt 480
nccaaaaatt tcncggttna tntttccacc tttgtccccc aaatttttcc cnatttttgg 540
ttt 543

<210> 2975
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (615)
<223> n equals a,t,g, or c

<400> 2975
gttttggtgc aagtgattta tttaataaat gcattttatt aaagaagctt taaaaagcag 60
ggtgtggaga aaagtttagt tacataaatg agtatattct ttgtgcaaaa atttgaaata 120
ttaccattga aactcagatt tgctgtagtg accctcaatc ccatttttct cgttccctaa 180
ttaccggctg ttttagtttg gtttagtctg tccttccaga ctgttctgcg tgtctttcta 240
tgtatcaaaa atattgcctt tttttttttt aatttaangt ttnnaatncc ttttatatnc 300
ncancanttt nttaancncc anncncttaa nangtccaat gannaaaccn ccncattgta 360
ctgaactntn ccccntggga accnccatta ttatttncag ggttnttcnt ttttaccaan 420
tgaatttaca aattaattcn ctnggtttaa nnccgttncc aancccantt tnaattaaan 480
aaaaaaaaaa atcctntctt ttggaaacct aagcctgggg ataaatttta aaatccttta 540
aggntttaan ccccttaaaa aagggttgtt tnacccccnt ttcccaaatt aaaaattaaa 600
ggttcctcct aaaancccct t 621

<210> 2976
<211> 489
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 2976
gacccactcc acntgcnaaa gctnaaacta ctctgctttc tcacttacct acacttttga 60
cttaccacat acatctctct cttcggatat gagctgnaaa ctccttatnt cancgctcta 120
actctgnagt cctaatnntt ctagttggac caaaaaaaat ccnnattgtt tgatctaang 180
agangnaatt taccaatnct gtatacgcat gtgtgtgtgt cgcttaaacg anctgtccgg 240
ttatanaaaa tcctgatcgt cataaatcat gtctanacat catgtaatga attgcacgat 300

ttaatattgt ccctattagc antcactaca anctatttct caaatntacn tatttctccg 360
taaacaanca ttcagtactc cntcggatct ctaaaaatcc tctatgatct ntncacatca 420
ctgataaaga ccaattcgta tatacatgac tgtccttanc acatattcac tatcagtaga 480
aaagcnanc 489

<210> 2977
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<400> 2977
gcttatggca aatttaaaag tttacaaata ggttctctca ttgaaaaaaa gcattgtagt 60
aaagtttaaa gtggagctca nacaaatcat gacttattaa gagactacag gaagccattc 120
agcatttaat aataactgtt tacaacatga ggcaaagcta ataatgttat ggttttatta 180
anagatctgt catctctgtt tttcttaaac tggtttaaca gtccagaact ttgttatgtt 240
gtttccanct gaaagaattt attatanggc ttggttaatt tatcctaaat tttccttttt 300
aagaacccca tgaacnggan cccccnaaga aactgaanaa taactccttt tttttnaaaa 360
agggtgaatc ctggcttgtt gcccaaaatt attttaaaaa ttccgcccct tnagggaaaa 420
ctttgctttg gtatttttcc ttnaaaacaa nttaccacca ccngcttnct tggttttccc 480
aattccactc ccagggtgaa ccttancctt cctgc 515

<210> 2978
<211> 568
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<400> 2978
gctgcatnac aaaagtggtt ngctctatct tcttttcttt ccctggtggt gttgtcataa 60
cagtgtcttt tagcaggatt aaccantaac taacttattt gctttggttt ccaataaata 120
actgcagcct gttaataatt gtgcatgtgt tttatgtggc ctcaaataaa ctgagacaat 180
cttacacatc tgcattccag atngggtcac tattccttca tacttaatct cctattatgt 240
aactgtccat tnacaaaaaa tacatcacat aagggaaaaa acttaaatac ttaatttgct 300
agtgcattaa taagtgatac taatacacat nacttttttat tgttacctta aatatatgtg 360
tttgctcaga aatatannna ataaaaccta ntgttatgtt ttctcgcntt aaaatgtacc 420
anatcttgtc caaatgcttc gaactgtaat gtgtttactc cttcncgtga actgtgtcta 480
aacatttant aatgttttta aattntnaac tccatgaagg gtaaggtgtg tccnaattna 540
actgtttcaa cttgcaatgc caaacaca 568

<210> 2979

<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c

<400> 2979
ggacaattcc attcaatctt tggaggcttt taaacatttt gacacaaaat tcttatggta 60
tgtaaccagc tgtgcacttt cttctctttc ccaaccccag gaaaggtttt ccttattttg 120
tgtgctttcc cagtcccatt cctcagcttc ttcacaggca ctcctggaga tatgaaagat 180
tactctccat atcccttcct ctcangctct tgactacttg gaactaagct cttatgtttg 240
cctttgtttc ccatcanaat gtccactaaa aagaaaagga ngaaactanc anaagaaaat 300
nttattttgg tttatnantc ttaancccct ccaaagacan aactttaaat cttttnaaaa 360
aaaagtttgg aatnnatttg attactatca ttattcnnca ctttactttt aanccnggct 420
ccctacttna cttccnccta cattatctcc ctttntncct ttatcatccc ttaaaaaaat 480
tcctttnaan atacattttt atcctccctt tttacaccaa aagggnaaat tccgggcntt 540
tggttgggtn caatcccctt tttattcccc cnncaccttt ttgggaangc tttaagggcc 600
naaaaggatt tttcctttaa gggccaaggg antttttaa aaaaccaact tttttccccc 660
cccat 665

<210> 2980
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<400> 2980
gtatttcctc ttcactttac tgatgctcct cttgctcaac tggaggatgt ctgccaagag 60
gcatgagtct gcctgtgcag gtgtctccta atcctgattt ttgcttgtat ttgtgaacat 120
gtggcaagcc tcttctgctg aaccaagtaa gggttgtgga gagagaacag aggcaccaga 180
catanactaa ggtgtaagga gcaagatgta atantttaac tcaattggat tttttaattg 240
ggtggaataa ttcagggttg ccacacaata ttatcaccta aaaagatgtg acttactgtg 300
aangatcaat actaaataat ggggctctct ctgccatata tattcttgct taaaagtatc 360
ttantacagt gcagacttat tatatacaat ttaatttaca tgaattcact attncatcca 420
tcctttatat taactataat tgtttatatg tnacanattc ccaattaaag aattacacaa 480
tattccataa tntttatttn tc 502

<210> 2981
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 2981
ttttctagat cgcnccntct taaggaaaaa aagaggtggc ccccgnnagt gaangatttt 60
cnataactgg agccatccgg ggggctggca anacttccg 99

<210> 2982
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<400> 2982
natttttaac aagtttaatt acagtatttt ttcaatggga aaaactttgc tattttagta 60
agtacttgtc tcagcgcttg actttggtta aatgttaaat atttttttaat atacataccc 120
angggggcaga aaacatttgn caattcattt ttattagctt gatggagcat gnattatttg 180

caatggaata ttggacttgg tatttttcct gagcattatc aggtttctgg ctggtgggag 240
gggtgggnaa aaccaattcc tctttanctg aanaagntat tggtgngggc agggctttgg 300
ctttgnctgg aaagcggctt aaatccacct tatnttgggg gcttntggnt ggggaaaaac 360
caggaaaact ttgtcccctt ccccccatgg ggttccn 397

<210> 2983
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<400> 2983
caaaatcctt cgtgttnatc angtcacctc cttcnacatt ttgaccacct cgcttctntt 60
gcacgacata caagatntcg ccttcgccta tctcaaaagg a 101

<210> 2984
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 2984
aatnaacctc accctccgnt aacaaaanat ggagctccac cgccgtggcn gacgctctat 60
aactaatgga tccccccgggc tgcaggnaat tcggcacgag ctctcccctt ttctctcccg 120
ttttccttct cttcaancta tctcgaaagc aaaaatatca gcactactgg naatanaaat 180
ccactctcta tgtttcaatt ccatttatcc tctggggagc acaaacttgg gcaatcaata 240
aaggctttaa ntganacaga catgctttag tgggtgcaat atgtgaccca aaaaattcca 300
cattcacatc agtgtggtta attttaaatc actcatcatt atgcacttat attcacaccc 360
acacacactc aggactcaca cagaaaaaaa aaatnattca gacactccaa aattatcctt 420
cctttcttta ttnttttatgc aggtttatga tnaccacttg taactgtcac aaccctnggg 480
gana 484

<210> 2985
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<400> 2985
ttntcgaatc cacccctcc tttaggaaaa anggctggng cncgccgtgg gtggacagan 60
cttcnactaa ctggtgnatc ccnggggctg gcaagactg 99

<210> 2986
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<400> 2986
ttttcnaatc aatgccccnc taggaaaaaa ntggaggncg ccgcggtgga ngacgttcta 60
taactagtgg atcccccggg ctgcaagact ncggcacgna ggatagtatn ataatatggg 120
tacaaggact atnggcaagc aaatanaaac tgaantgtcc angcccaant cccntttctt 180
gtccnaaagt ctgattancc nttttatcat aancnngatt ccgtangtnc tttcnatgtt 240
aattcnattn tcttggagcc tcactcctcc tcntataaaa tcatttggta ttatttataa 300
tcttctncca ncattctact cttagaagct gaatcnacaa ggacagnnta acctcantct 360
tggacctctc aggctaaaca ggctacatta acannatcta caanatgatg gatgggttgt 420
cnaangtgaa tattctcacg ntaancatgg gnataccccn atngtctgtt atactctgtt 480
atcgtcatcn ctgaantaca ntgtcttgaa attaanaatt ctccaattac tttacanagg 540
tatcncngta ctnatntttn ntntcttcac tgtattatna nagcnggtct cag 593

<210> 2987
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<400> 2987
gcttgatttg cctgtgagaa agatcactct gctacccaga tnaaaagggc cacagaaaaa 60
gcaggagatt ggggcttaag tnaggtgcta acaccaccgt agtgganaag ggagagaaag 120
cttggganat agatngatgg ggaggtagca ggacttggtg nattcactga gcctgggggg 180
atgacttgaa gctgatggtg cagtggntaa cagttgcagg gctctgaaag gggaagnagc 240
tgatttgcag gnagagggaa aanacttant cctgtngggt ccctgtnggt ttttaccccc 300
gtttccccag ccctattctt gccctccttt aaagtttcac 340

<210> 2988
<211> 285

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 2988
agcatacccc tgttcttttg tccacngatg ganacattgg tacaggccat ancactttgn 60
gcgtcttctc tagccnggct taaaaattac aatcaacaaa ttnacagctn agaaattaag 120
gctgtgtcnc attacttcan ganaancctt acccttggat catacttngg annectggat 180

tgctaaagan gattgtcctt tatataatgg tgganatatc ntcttgnaat ntcttaatga 240
tcaagaacaa ttctgtcaaa atgtttaatc ttacttggaa tagtc 285

<210> 2989
<211> 115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 2989
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgctgtactg gggaaaaccc aaannccntn ctntt 115

<210> 2990
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 2990
gccaccacca agatgaccaa gcaccaagcc ttcctgtttt ggtgcaaact ggcatttggn 60
acctttggg ggatccgaca agcaaataaa gcttcagctc gcagtacagg actctgccag 120
atgtcttcac ctcctcctgg tggaatctaa gccttgtgca cctttccaat ccaaaatcaa 180
gggtacagga atcttcctgg aaaaaaagta natttgattc anctggcaan aattctgttn 240
ancttaatag g 251

<210> 2991
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<400> 2991
tttctaaacc tcaccctccg tanaaaaatg gagctcnccg ccgtggngga cgctctacaa 60
ctagtggatc ccccgggctg caggnaatnc ggcacgaggt tgttctgtgc tcctgtcctg 120
caccataana gcatgtccca ggtcatcatg ttcttttgca ccaggntcct gggaatgcag 180

agacncttgg agctgacctg aactggacct ctataancag anatgctgan caacatctgc 240
agatacntgt atggtattgt agcagtccct gaaatcatnt actctacca 289

<210> 2992
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<400> 2992
gcggcacgag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cttgactggg aaaactcatg cctgcntgat cctcnaaatc 120
accacatgan tattcctatc cntacn 146

<210> 2993
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 2993
gtatnaanaa tncaccttat gtggtttatg ccttcaatca tctcgtaaat anaaagtacg 60
gnc 63

<210> 2994
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<400> 2994
gccacccaga ttgtcccctg gnaaacacct gggtctctcg gtttccacag tctggggtta 60
attcctggca ctgtgggatg atttcgagat gctgctctgc tcttttggtc aacatctgct 120
ctgactggtt gtcaaatatt ctgacattag acacagcccc aggcacgtcc tgcacacatg 180
cactcacaca atgtcccaca ggggacacac agtgttcaga attgtcacca tanacagaaa 240
ntccctcctg tggtatatgt tgaaatacct cctcttttgg gccaaagccc ctaggcagaa 300
nctcttgata atggtggcag gaaaaagggg tntngaaaaa aggcctgggc aggttaaaac 360
cantttcnca caaantctga attcctgctt gcaaaantgg gccgaaaagg gcaggaaatn 420
ctctttttaa aaaaaac 437

<210> 2995
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 2995
gaatanaatc acttacaggn aatttcagtc attgatttca aatttgtaaa acaagctaat 60
agttaatatt ttgccaaaaa gaatatctat aagatacatt aacctactaa tggactccca 120
aactatgtga aaaaaaaaaa actgacaaan ttgangggan aantanacaa ctgaacaatc 180

<210> 2996
<211> 113
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 2996
gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgtc gtgactggga nccccnaaaa nnn 113

<210> 2997
<211> 185
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<400> 2997
gctcacttgc tctgagacag gtgcggcaag tctactgcgg gctggtccgg gctcctcaag 60
tttcagaacc gaacggttat tccaattcgg ttccttggaa aaggaaaagn tgcactttta 120
naagttcccc aatgaaacaa aaaaacctcc accattttca nggccntgtt caacggccca 180

tnacc 185

<210> 2998
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 2998
aggctcatgg gataaaacag acttcttant atatacctan ctatcccagg atatttctta 60
agctaatgtg tttgtctcat gctttcaatc atttcntgca tctgaaaacc cntnaat 117

<210> 2999
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2999
gcggcacgag cggcacgagc ggcacgagcg gcacgagggg gggcccggta cccaattcgc 60
cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt gactgggaan 120
ccnaagnnn 129

<210> 3000
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (434)
<223> n equals a,t,g, or c

<400> 3000
gattctcaca ccaantncaa antattagga atttttttata tcagctgaca tcttgtgctt 60
acagtaaagc catatagatg cacacatagt gactttatta aatcaaatga gttgtgcaga 120
gcagagcaaa tctattangc tttctctttt aaantttttct aattttactc ttattagctc 180
cctcagttnt catcaattac atattcctac atcagatatt ttacactatc agattctttg 240
attanaaaat catcttcagc tttacattat taatctctga aggacataaa atcaaatact 300
ttctngtcca tgatcantna tccctactat nttaaatctt cccataaaag cttaaangga 360
aaaaaaaatg tcgttnttcc aaaaaaaatg cttgccggmn ggtccgcctt tatccacctt 420
tggagcgggt tggngacctt 440

<210> 3001
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<400> 3001
gaaaaaaaga catctgaaca aattttagtc tctaatcctt acggctaaag caaacagtaa 60
agatagccta acccttagct taataatata aaatctcatg ttaaaggtcc atttgcctca 120

gttccttta ctcagtacat cacattcagc tttcaacaaa aaaaattaca nggcatacta 180
aaaggacaaa aaaacagttt gaagaangac agcaagcagt nggacaagac tcngatttgg 240
aggaagatgt tgaaatcatc agactggaaa tttaanacn 279

<210> 3002
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3002
acttgcnnct caaaaaangg ccccnaaaag aatntaaggt tgaatctcta ccggggtgnc 60

ggtcgattta aaattnttgg atcccccggg ntgaaggaa 99

<210> 3003
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 3003
gtgaatacaa aacataataa aaaggtaagc tgaatatagc aaaaaaaaaa aaagggttta 60
aantgggagc ngntgggttn ccttttanct cca 93

<210> 3004
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 3004
gctttcctag aaagttaaga tgtaaatgta ttctcacatg taaatttgaa agttcagggg 60
tctattatga aatgatacac atttttaaat gaaccataat ttttttcact aagctgtttg 120
ccttccaaag tgtttacacc ttaagcctta acatgtatct tcattcagaa aacagttata 180
ttgtcatacc atagtaggaa gaaaaacctt tatttggaat atacactact gtaagtttgt 240
acagatcata tacctaccac ctgtctttgc ttaaagagcc ttgattacat naatatgtta 300
ggaaaaaaac atattgagtt tcaaaattta tatcctgaca ttgtttaagt ttatgantnt 360
tttttnnaat ttgccaaana caaggtgtta tatt 394

<210> 3005
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 3005
gcggcacgag gggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa tnntntnn 108

<210> 3006
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<400> 3006
gcttattaga gaggtcctat ggcagtgtaa actgtncctc cttgcttgcc tgcatttgct 60
gaactagagc tttcactgtc ggcttgcagc acatataccc ttccagttca ctggcttagc 120
aacagattca aagaacggtc ttagtactgt acctgaaatt atgatccact ctgatgatta 180
gactttgttc ttgggtcacc tgactcagct gtccttacct ttcattccgt aggttnaata 240
tagacataga cacagatcta taaaaattat acagatatga tnttgatctn gatatnggaa 300
aatagccctc ttataaatac cgatntctat gaatnt 336

<210> 3007
<211> 57
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3007
gcgagttttt ttttttttt ttttttaaat ttangggacc nctttttna ananttt 57

<210> 3008
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 3008
gaaactttta aaaatctttg gtggaataag agagagagag agagtatgtg tataaaattt 60
cagagaggta ttttaaaagt gatggatttc tagcttggtc ttgaatgaag ggcaagtctg 120
gttggcagtg aanaggcaca gttttcatgg tgggaggctg gcagcaaaca gacaggctgg 180
gcccaaacac agtgggctcc tgaaagctgg aggtgtacac cnngacagct gctggagggc 240
tgttgaattg tttcctggaa ttaggtttgg gtttagtggg acaataccnn tccn 294

<210> 3009
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<400> 3009
gcaggcatct aactcccaca cctgtggctg gagcccatgt cactcacctc tcctactcaa 60
aactagattg caaattccca tccagagact ctccaaatca gtgactgcaa cccatgcttg 120
ttggcaggtt cttatacaac ccactatgag ttagcatcaa aaatggcttt ctcctatcag 180
cacccatgtn tgggagtgtg tgtggggtta cttcccagtg ccgttccttc tcatggtctc 240
ctgactgctc cctgattcca gatcaaggct tggtaaantt caaaaactcc tccatggctn 300
ggaatgcctg gcttgtccag tnggaatgtt tttttcacaa aaanagttcc tcccccgtct 360
tcacacacng angaatccct cacagttttc ccaccaaatc cacccccnnn gggtgctgct 420
tgccttattt tccaaatttc ccaa 444

<210> 3010
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<400> 3010
gtttagttca cctggtaaaa tgggtttctc atttctcgat caagcctggt gtgaagggac 60
gcattggact ttaagttgtt ttataccctt catctatttt ttttaaagat ttgaactgtt 120
gatgtacagt ttttaaaatg ctanagctag caaaagttga caactttcca tctgattgta 180
tttattgaaa catgtgcatc tacatatatt tactggactn cttactgtac attttncttc 240
ctctaggaaa tggcatcaan atggttcaac taagaacatg atcactaaaa acattataat 300
aatacctttt ngaaaaaccc antnccccng tttaccaaat ttttntt 347

<210> 3011
<211> 126

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3011
gctagtctcg agggggggcc cggtacccaa ttcgccctat agtgagtcgt attacaattc 60
actggccgtc gttttacaac gtcgtgactg ggaaaaccca agctntnntt ttttttctnt 120
cgcant 126

<210> 3012
<211> 69
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 3012
gctgatgtga ggcctcttgg tngttgtgtn anggaaaatg gtatcaanta acagcatggc 60
ccccangta 69

<210> 3013
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<400> 3013
gagaacacag agtgtgttca tcagatttta tctgcagcag ttttnttctg tttattgttt 60
tnccttagta gtgatgttac ttttatcaaa gataatccat tgaggacatt gttctatttt 120
ctgacaaatc aaaacgttgt cttcaaataa tgcctttaac aatataattc catgtttgac 180
ataggaacta cttatagatt gttataaaat tgaataattt tgtattaatt atttaattct 240
ttccttaaca taacatgtta agcatgatcn aatgtgaaaa cacttttncc ccgaattnnn 300

<210> 3014
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3014
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cntgactggg aaacccnaaa nnn 103

<210> 3015
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3015
gcggcacgag gggggcccg gtacccaatt cgccctatan tgantcgtat tacaattcac 60
tggccgtcgt tttacaactt cgtgactgga accccnaaaa nnat 104

<210> 3016
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3016
gcggcacgag ggggggcccg gtacccaatt cgccctatan tgantcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaacccnaaa nn 102

<210> 3017
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<400> 3017
ggttattcan agcttaaaat ctacttttaa agctttccaa ataaaaaaaa gcaacttaac 60
aaattgctcc ctgcttatta gctnaaatga aatcatgaat gtgctggcat agatnagagc 120
ctaattgatt acctggatct aggtacatgt gtcgcctnna atcattcaac ctttcntcac 180
tactatgtgt aaggnantct gctnggtccc aggaatgtgg ggctaatgaa taaaagcact 240
cctacttnag tctggcagga 260

<210> 3018
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)

<223> n equals a,t,g, or c

<400> 3018
gctagtctcg agtttttttt ttttttttt aagttnanaa ngttnaacta naatta 56

<210> 3019
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 3019
gaggaagtgg gcagcctgga tatcacatca ccccatgtct gctgctgctc aggtttctct 60
cactgtctct tgggtatgtg gtggggattg gggggtgagg aaggggtggg anggcanatt 120
aaagagaaag cagctgcagc ctgaggcaca gacaggatgc agagtgactc catcatccca 180
cctagagtca tggacaccac ccactttgat acatcctgtt ccacaaccat aattcccttt 240
catgctnatt ccttttaat tggaatctcc cttccttcca cttccaaaaa aaccnaatct 300

nacccnggtt ttttaaaaat tggggaaaag ggttttccn 339

<210> 3020
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<400> 3020
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa nnnnn 105

<210> 3021
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<400> 3021
ggaaaaaaag gactcatcta gttatatgga gaggcagaga aatgcaccca cgcaggtctt 60
ggtgagtcac ctgccaagaa actgagactc cctaaagtaa cagaacttcc agccttcttg 120
gcaaaggatc caggtttggc acagtttcaa ggtttatgca tttaaagaaa naaacaccct 180
gagaaggcta aaattggtaa cggctagttt gaaggttaag aaaaaaaacc tactcctgaa 240
ctgattctct atgttgcctg aaggctcctt atcaaattnt tcttactgaa aaaaccccaa 300
accacttcct gttgttttat attacaactg cttgaattgg ggnnaantta cccccccgtg 360

ctttccgttt ncccccaaa ttngcntnct gcatttcctg ttgggttccc aattttntaa 420
aatcccccac ntgaaatttt nncattgggc ccccncccna nnaaaaaccc cnatttccca 480
ttccttggaa ggattggaaa aaacccnggg aaaatttttg gaatnaaacc ccttttttt 540
n 541

<210> 3022
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 3022
ggtgcctaac aaatattccc cttctcccag tcccacatct gattgcgggc tgactggtgt 60
taccagtgct acaaagagaa ttctaaggtg ggtatgccag gcaggcnagt ttacagacct 120
atcatatgtt ttctcagggg ctgcctgtca ccagctttgc aaatttgggc agatttgaaa 180
ttatcactta cctttctgcc ttagttatca gatctcttgt acctctggca gctttattga 240
atttgtgcca ggtttgttaa aataacattg ttcttgaaat tattccnaca ggtgagttta 300
ccccatgcct ataancccaa antgcttgga attaagggnt taaccactgc ccccgggcaa 360
attccagtnc cttttccaaa aaaaacccca aacttaacct tggaattaat ccaatttttnc 420
cccnntttta ttttaaaatt anaaaa 446

<210> 3023
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (292)
<223> n equals a,t,g, or c

<400> 3023
gttggattat tgaattttac cttanaaaag aaaaactgca cgaaaaacac atatcaaaat 60
ttaaaaataa ggaaagtaaa tcaacttcca catcaacctg cctcataatt ccaacatttc 120
acttgatttc tatatacatc tgaagccatc actaaattgt cagtgtacct tccaaaatga 180
tggccctgac cacatccatc aaatgtttca ctaagctaac taaatcctac aaatgcctgg 240
ctaattgaaa tgcttttnat antntttccn atgggctgaa tacccaaggt anagccg 297

<210> 3024
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<400> 3024
gccccgactg gcctggccac actgctctcc agtagcacag atgtctgctc ctcctcttga 60
acttgggtgg gaaaccccac ccaaaagccc cctttgttac ttaggcaatt ccccttccct 120
gactcccgag ggctagggct agagcagacc cgggtaagtn aaggcagacc cagggctcct 180
ctagcctcat acccgtgccc tcacagaanc catgccccgg cacctctgcc ctgtgtcttt 240
catacctcna natgtctgct tgaaaatatt tcctcagcct gaaagtttcc ccaaccatct 300
ggnaaaaaaa tnctatgcat cccttanaac cctgctcaga acacaattac ttttgttaaa 360
ggcttctgcc acatcttntn ttcccccaaa attgaaanac tccgccttct ccgggggncc 420
cggtanc 427

<210> 3025
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 3025
gttcttgcct atccttccat tgtttctaca tgcatgtaga cacaagttct tattccagca 60
tacataaaag gtaatgtact gtatatatta ttctgcacta gttttaaaaa atttaacagt 120
atgtaactgg agctcccttt gtatccatac ataaagagct tcttnctctc tgttacagta 180
anactatgan aatgttccat agtttaacca gtccagtccc ttananatgg ataccgtatn 240
gttattgcaa ncaagtgctg cagtcagtaa cttgtgttat atcannattt ngttcatgtt 300
gcnggtttat ctatanaata aatnccccaa aaataaattg gtgtgttcna ngggtnantg 360
tttttggtta cccccagaaa aaanttggcc aattnccccc cgtaaaaaan ttntttcntt 420
ttggaacccc ncncnttttt aaaantttta ttgnttnttt ttagnaaaat cttaannenn 480
cccttccccc caantgaaga aaaaanaaac ttgtccnttt tccccccggg tgaaaaa 537

<210> 3026
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 3026
gcggcacgag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacnt cgtgactggg aaaacccaaa annntatna 109

<210> 3027
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<400> 3027
ggcaaagttt atataagttg taggatgccc agcagccccc ttttctctat ntccttcctc 60
ttgaaacaag cgtnnactat accnctttcn ctaacccttt atgttaccat atcttctncc 120
aacctctctc cnatccatta ctnngttctg agctaccctg tctcnnntct aactcacgcc 180
tttntgnaan aggaagttta agccantgtt tactctctta antcacttca cccttagaac 240
aatcctggga ggtgttnatt tcggaaaagg atncttaacc acaggacaga aaanttagtc 300

ntcgtttctt tnnnnnntta tttataaatg ggaccntatg actggttatn ntcaaancnt 360
caacnttnnn nnnggaactt ngcatatttg caacccaaaa tgggccgcct tgaaanggtc 420
ttttgcagta aaatctcagt gtccacatcn aaaanagtct tccgggctcc aattaatata 480
ctcctgcccc anctgctcat ctcttgcacc tctaaacgtt cttcacaaan tagganattg 540
ggct 544

<210> 3028
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 3028
ntctgggagc cgatacacna gccactaacn attcggtcgt tgtgngacaa aagatgagat 60
aaaatcctct tcatcggccc cnaaatctac tggctgtggg ggctggtant tancctncgt 120
gaacgcccna cattgaaaca ctncccnatg tgttgggacg tccacagaat gncaagctna 180
ccacgcngtt tatcttactt gggcncgcnt aagcccccgc tttgggccca cttggtccac 240
ttccncaatc ccttgncgcc caanaaaggc ttctttccaa ggtttcccaa agggcccccc 300
nttggggttn cantcccctc aaaacataag gggccngcnt taattaacct cgaagtgggg 360
aacc 364

<210> 3029
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 3029
ggccctgggc gttttcccat tctgggaaga aaaaaaaaaa atncctgggn acccttttaaa 60
aaaaccnatt ccctgaaaaa aaagaacttt nttnccggga aa 102

<210> 3030
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3030
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaan nnnn 104

<210> 3031
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<400> 3031
gcggcacgag gtgacgcctg cgccttttcc cacagcgtca gaacaacaca actttgattt 60
ctcctctgtc aaagcaggga caaacaagct ggtccagatc cctgatatnc tggaagaagg 120
agggcatgtg accctnaaac ccccatgagc agcatcctgt ccccnagcca cggaagctcc 180
tgctcccttg gncaggcctg cccctccctc caagctgtgc tgttggacat tcggtgacnc 240
acacncctga caagctctcc ttgctggccc ttagaaggat cggtgaaaag gaaggggaaa 300
ccatcncttc ttgaactacc ctttggaatc cctccccgtt tgaatttttn tacaccatgc 360
tttatcnttn gnataacccc gntncctatt nangnnaatc ccaattttga acctttcatt 420
tgccaccaaa aaaaaccctt cttttatctc ccnacgattt ctcaaantcc ccgttttgaa 480
acctctcana ttcccaattt gcaactttca ctccacaggn aaatttttcc aaatctctta 540
tgt 543

<210> 3032
<211> 71
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (60)
<223> n equals a,t,g, or c

<400> 3032
ggacaantgn aacgtattcc tgggtgtgct atacccgant gcantggatt actcgggtgn 60
tcttatttct a 71

<210> 3033
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 3033
gcggcacgag ggggggcccg gtacccaatt cnccctatag tgagtcntat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa atantcntng tc 112

<210> 3034
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 3034
gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacntc gtgactggga aaaccaangg tnnn 114

<210> 3035
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<400> 3035
aggtcatcca gctgtcngat gggtcanagg tcntcacttt gtctgatgaa gacagtnttt 60
atagatgtna aggatataat gttagacttc tagcacttga aattgcccat ggtctttctt 120
cttctcttca atctnatnag ctggttgatc agaaatgcna gagtgacatt gagaancnta 180
aat 183

<210> 3036
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<400> 3036
gaagaanatg gcttccanaa ncatgcggct gctcctattg ctganctgcc tggccaaaac 60
aggantcctg ggtgatatca tcatgagacc cagctgtgct cctggatngt tttaccacaa 120
gtccaattgc tatngttact tcaggaagtg angaactggt ctgatgncca actcgaatgt 180
ccgtcttacc gaaacagacc cacctggcat ctatcctgat tttaaaagaa ncccnncacc 240
ntancanaat tncntaattt ggctttcana aanaccngnc caatattgga tttggncttc 300
ccccaacccc acanaaataa tggctngcac tttngcngtt gggatttgna ttgggggggcc 360
aanttntctt tttncnanaa tccctgggtc ctnggcaaag ttcccttggg gttggggaaa 420
ccaancccct tgttgcttga aaaattaaac tccccatttn ncccnccttt ttttttac 478

<210> 3037
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 3037
gcttcttgca agtgcttagg canaattata cctgaaaaaa aaagctggaa ctcttgacct 60
tttctcatgt tgattattaa tatgagcagt gaacttccna cnatgagatg ttagcagaaa 120
tgaagggctg ctgtcagtgc aatgctcatg gtggagctct acaggtctct gcantgccct 180
ancctgcctc tcctgctctc ctatcacagg canatntgcg acgggggacc ctgcntaccc 240
ccagccttgg ctccantanc attgggcaca aatccctcan gtgtncaggc ttngcacagg 300
tgcatattng ggagcacctc angatgcngt taggggaacc ctctgcacaa cccacctccg 360
gcaaaaacaa gttctggggg cacggtgccc caaagaaaac cntgattgaa tacttttgtt 420
tatttanttc tgcgntccat gnaaaacttc ctngggaaaa ttttctacaa acttc 475

<210> 3038
<211> 482
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 3038
gtggncnnag gggggcccg gtacacaatn cgccctatat tnagtcctnt tacannncnn 60
tggccgtcgn ttaacaacnt cctgactggg aaancccaag catgagtgcc agccactggt 120
atctanaact gtgattagtg aggaaacacc taggangaac aaacaaccca actcttttta 180
tctaatctgt tgactccaaa gggaccttct gcttattcca gttaaaactc aagctgcaat 240
tcaaaatgaa atcagtatct ttttttctct acttttcagc aaagcaagat gctaccttat 300
nattaccacc tttaacaatc aatcgcnaac atagtgggct taaagcagct ccccctttta 360
acctacntat ctggcaaact ngcagtcttg aantgaactc agctngaatt tttttcctga 420
actgaacant tttttnggtc ctgctgcngg ctggttttaa atgatggtgg aataaaaacc 480
cc 482

<210> 3039
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<400> 3039
gataatttta taatgttgtt ttttggtact ttaatacatt tattgncctg aaataaatca 60
cctcatttat cttttaaaga gtgtgtaagt gcctgtattg ttttctgagg naaacagtcc 120
tagttttaat tagaatgaca tagagttctg tctaaaaacc tcgaaaactt aaggaaccac 180
tgtgaaacat ccatctactt acacccattc caaccccaaa tcagtactga acaccaaaca 240
tgtacacagt tgtcatgatc ctcatcacac ttgtctcaac taaataatgt tacccctcca 300
cccctcccac tgaagatctg cctactgtat ttctacctga ggttcaaatc agggttcttc 360
tatgaaagtc tggtnnactc ntcnngtctg tatc 394

<210> 3040
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 3040
gcggcacgag cggcacgagg gggggcccgg tacccaattc gccctatagt gagtcgtatt 60
acaattcact ggccgtcgtt ttacaacgtc gtgactggga aaacccnaaa nnnn 114

<210> 3041
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 3041
gcggcacgag agtttgtttt ttttttaaaa tngggctaaa ntttnttggg ngcaggnccc 60
c 61

<210> 3042
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<400> 3042
gcggcacgag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaccccaant tnntnn 106

<210> 3043
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 3043
gcaaagatga gaattaccat tcctaacgtg aaaccaggat tggagacagc tgtncttgcc 60
caatttagta tcagtagcca gtgttacaac ttaattcctt cattggtaag gaaattgaac 120
aaaatggact ctctcagatt ccctgttaga atctgagagt tccaaggcac tggaggaacc 180
tttcaggtaa gcctttcttc cacctaagtt agcacagtca gtgtctgaga aagattgtgt 240
ggaatgaaag caaaacctta aatcttgaat tcagggttat atttcatcca tcactctttc 300
tangaagctg ttatgctgtt atgaaatgaa tgcaggtttt tggcactaga atgaacctgg 360
gttttatttt ggntcctgtt tgaataccat tgtgtttggg tgaaatttcc naaantttgc 420
canttgcnca ttttcccc 438

<210> 3044
<211> 154
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 3044
gaaaanggta atggaaacat ttcatatgaa gccaagtctc actgagatca ccctactgct 60
taataattca naaaattttc acctgcaaag tgtntggaat tttatgtntg tggntgaaag 120
ccatcttnta caatgcttaa tcacatctct gcct 154

<210> 3045
<211> 128
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3045
aggnntnccc taaaaagttt ataaaagatg gtanctccac cgcggcccgc ggaagaatct 60
agaactaatg gatcccccgg gctgcaggna attcggcacg anaggcacga acgcctnttt 120
catcnatc 128

<210> 3046
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 3046
aactattgga tcccncgggc tgcangtaat tcggtacgan gtgaaaagga naaccccatg 60
cgggtaactt cgcatccnac aaactctgtc tcaacattct gtgtcgggga gantgc 116

<210> 3047
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<400> 3047
gccctctcca cctgctgtgt acaaaggaga aataatcact ccacacccga ctgaacattt 60
tctaacctta tcactgtggc agaaactggc tactcttcct cctgggtaga cagccaggct 120
gtatttcccc gctgcccctg cagtgagagg tagccattgg agccggcgca ggccaaatgg 180
actctgcact ggagtgacac atgctgcttc caggcctgtc cctcaaacct cccacatgtc 240
ctctgtctgc tcttctcact tccaaggagc gtgaccatcg tggaaacccc aggtnagcaa 300
tggcanattg ggangcatcc atgggangaa actgggttcc ctgacntaaa gcatcatgga 360
at 362

<210> 3048
<211> 247
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<400> 3048
ggggggggnc naaactccta gctcntaagg gtcctcctca acaaagggaa caaaaggccc 60
agctccacca anggtggcgn tcgctctaga actagtggat cccccgggct gcaggaatcc 120
ggcacgagcg gcacgagggg gggcccggta cccaattcgc cctatagtga gtcgtattac 180
aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accccaagng tnntngtttc 240
ttcgtcn 247

<210> 3049
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<400> 3049
attactngan tgtngacccc ccactcaatc atatnccana tctctccctc actaaacgta 60
agccttctcc tcattctctc aatcttatcc atcatagcag gcagttnagg tggattaaac 120
cnnacccagc tacgcaaaat cttagnatac tcctcaattn cccacatngg atgaataata 180
gcagttctac cgtncaaacc taacntaacc attctgaatt tactat 226

<210> 3050
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<400> 3050
gggaaaattc cagattatgt agctttacat gttagggacc ctaaagaaac aaggttgagt 60
actggtaggg tccctgaaaa naatttagtt tccagaccac agattgactt tgatggttan 120
gattttatna nttaaatata tcaattttta ggtactttgg tatgataaag ttgtattatg 180
attnataata acaagtctta atttgaggct tactcacttg aggactttgg tacaanaatg 240
ctctttngct gtttttcctg accaattttc nctctgaatg caaaagggtc atatntgata 300
aacactgaaa ttgccaca 318

<210> 3051
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 3051
gcggcacnag ggggggeccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaacccnaag tgnnntngtt ctccgc 116

<210> 3052
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<400> 3052
gatcntaccc attcagacag atgctgtgnt gtncctcana accatngtca ttgtt 55

<210> 3053
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<400> 3053
gtttggtttg agccatctcc ctccactcca ttgcaggctg tgcactaaac caaggtactt 60
gctgctgtct gaaccatgtt gcttctacat cccatgcatg tgcacatgct gtatctactg 120
tctgctttgc aaacttttac cttccttccc gcgagccttc cggggtctta ccctttgctt 180
ctccctcccc tanacattag taaccccttt ctgtgtaagc attaccttca ctgttgtact 240
gtgttacagt tatttgcatg tctgtcctat cctaantgaa ctaagtgcca cttgattgct 300
cacaaagcan tttggantag gacaaattga agaaaaacct gaaaagttca t 351

<210> 3054
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (201)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<400> 3054
gattttattg tttccatttc attttcccat atattgaaaa gaacagggcc atgaacagtt 60
cttatggaat atggtttgat atatattttg ctgagttgga ctaacaccat ttgtttttgg 120
ttacattcca ctaacagaac atggcaagat aagtttatgg tcagggttgg ttggtgatcc 180
tcagtgttgc tgcgcagtaa naaggtgagt ttgaggtgag aggaacaagt angaaagaat 240
gatcccctga accacctcct cactttctta ctttcaaccc cacctangtt ttgtgaacct 300
ggacttggaa aatgttcggt acccagtc 328

<210> 3055
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 3055

ctccaccaaa ggggcctttc gctcnaagga actagtggat cccccgggct gcaggaancc 60
cgcacgagcg aatccntaat ccttctaata nctntcctct 100

<210> 3056
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<400> 3056
gggggatctg cnagtctaag ttcctctcac aaaaagggaa caaaaggccc agctccacca 60
acggtggcgn tcgctctaga actagtggat cccccgggct gcaggaatcc ggcacgagta 120
aancctnaca naaan 135

<210> 3057
<211> 168
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<400> 3057
ggtcccctgc tnaccaaatg nacagctcta ntcccctgta cttctctggg gttngcctag 60
ttaaacgnat atgctngggg gaggagctcc tggcangact ccacctgtaa ggantcataa 120
gacatcttng annggttcac ccttgctctg acttgncccc atacctac 168

<210> 3058
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3058
gcaanaagtc tgatggccac ctgantgcan gtgacaagga ccngacacan ccc 53

<210> 3059
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<400> 3059
gaaaaactan ttggttttgt ttggtcagtn ctattgaatt tgtttgtggt tttaaatttc 60
ntnaaaattt ctacttttat ctatttccat tcatctatnt gtgtttattt tgctattttt 120
gtnctgtttt tttaancccc ttganttaaa aacctaaatg cccaaaataa cttgtnaggc 180
tataaattnc cctgantatt gcttcantng tatcacaaaa gttttgaaa 229

<210> 3060
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3060
gtctggggcc atccatgnaa aaacaaacna cccggggcac attgggtaaa ctcnctgtac 60
gaaaaat 67

<210> 3061
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 3061
gctcgtgccg aattcggcac gaggggggcc cggtacccaa ttcgccctat agtgagtcgt 60
attacaattc actggccgtc gttttacaac gtcgtgactg ggaacccnaa aannnn 116

<210> 3062
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 3062
agttcgattc ctctctaaca ctggaatgca ctggaggtct tggcacatac atttttgca 60
tgttgactca gtaaacatac catatatatg actctnatac tgattacacg tagtaatcag 120
natgataatg aaatacctat aataaaattc ggagaaaagg anagtaaaat ttatcaaaat 180
atttgtccnc ccnggaggtg tatttcctct ttataatgtt nctctctatn gcatag 236

<210> 3063
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 3063
aaaaaaatga agtaactgat ttnctaaaaa aaaaaaaaaa aaaaattccn ncntta 56

<210> 3064
<211> 515
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<400> 3064
gcagaattta aggagccact cattctcagt gttgtgcaag ctgatcctgc aattgcacag 60
agtaanagcc tctttaaatt ttgcattcta aacacctctc ttgtcttgtg ttagtcaana 120
acctgctgta ctagtaggta aaatgcatac tttaacatag ttaccaaggt cattatattc 180
tcanagatcc tttgtgccat taagtaattt gatttttata tgccaaatcc ttttgatttt 240
tcttgttttg atttcctatt gggccatttt tcttttcttg taaaaccgta ttgctgttaa 300
taaaaattat ccttgaatat tgccagtgtg tggataacat ccatctgtta ctactgactg 360
cttactcntc tgtcaaatta ttgaaggtgc tgaacataat gaagcactta gtcaaaaact 420
ggantggttc caatntncat ggaaggaatc cccgaacttt acaaattccc ccnctaattc 480

tcaattccaa aatttccatt attctggact gggcc 515

<210> 3065
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3065
aacggcacna gggggggccc ggtacccaat tcgccctata gtgantcnta ttacaattca 60
ctggccgtcg ttttacaacg tcgtgactgg gaaaacccaa agnnt 105

<210> 3066
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<400> 3066
gtgacctctt ctccttggtg agcatctgtg acttaagtaa tatgatggat ttngctgatt 60
aaaanattct gttttncctg gagtgtctga aacataatta naaaaatatg ggtctncatg 120
atggttaaaa acacctttgg gactanagca aatcactgtt tttaatatga caanattgag 180
gctatataat ttaaatccca tttcactact cctaagccaa ctttctgaaa ctcttaattn 240
aactatcctt tgtnaggcaa aaaattcctt tcttttcant agaaattaat attagccttg 300
aaaaaatgac ccttctgata ggtttttaaa ataattaact ccaaantgat tttatttttt 360
tcccaaatan tgggttgtan tttggcggng gaaaaccnta atttttaaac attgtgttcc 420
ttatttccca ttttttcccn ntncttntan aattatattt tatattttgc tttcttcccc 480
naaangattt taaaccccca tttnttttnt ttccttataa aatcncngtt ngttnagtta 540
tt 542

<210> 3067
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<400> 3067
ggaatttttt ngtcaaagta ccttanaata ttatattgaa gtttngttat ttgcatactt 60
attaatttnc agcacacagt caggagtacc ttanaatatt atattgaagt tttattattt 120
gcatacttat taattttcag cacacagtca ggctctcatt ttgtgttttg ttgaaatagg 180
accaggaata ctgagcancc caaaatgact tgtatgtagc tttaaaatgt gctttagttt 240
tttttcaaat ttgtttncct aaggctaata tnanatgttn agcataaact tacattttgt 300
tttacaaaac tatatnactg aaaaatttgc ccttgccaat atgttctgat aaatgaaagg 360
tgattatttt acattaacat aagtgttgcc ancttgatgt ttgtttgatt ttaaaaaaaa 420

gtgagtnact gttttaaaaa aanaatatta tcttttaaaa aaaaatgttt tggtctntca 480
atttgaatcn aatatnagtt attaatcacn anttatatag ctttaattta agtttttgan 540

<210> 3068
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<400> 3068
gcctcatcct ccccaccttg ccacttgggg tgttggggac ttcaggtgag gctcatgcct 60
gttgggcctc tgtttttctc agaacgggga cnatcatggc ccccgcctcc tggantgaag 120
gctggggaca gaattagagg acccaggtac ntgctcagca ggaagccact gatctgtggg 180
accctggtcc cggtgtcttt gccggcctca cacccgcttc cctctanttc cagttgttcc 240
tgagtaaagt ggaaganacg ttccantgta tctgctgtca ngactggtgt tccggcccat 300
cacgaccgtg ttgccancac aacntgtngc aangantgcc tggacanatc ctttcgggca 360
angtnttcac tgccctgcct gcgctacaac ttgggcnnac tatgcctgca ngttaaacaa 420
ctctgcaaac gtcctcaacc actctccccg gctacggnat tgccggtgaa ctccaagcat 480
tctcganagg ggttttgcta aaaactntcg aagggncntc accggactta attt 534

<210> 3069
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<400> 3069
gtgacatttt tacattcaac tttaatttaa atgctgaatt taaatttaaa tgctgaaaat 60
ttatttaaac acttaaaatg atattagaan aggtatttta tgtttttaaa canagatata 120
tttcattttt atatgcagtc aacanatcac atgtgtatgt ctcttatgtg tccctgtgtg 180
ggaatagctt gaattactac ataagttctc tganaatatt aagttcattt aggggaacag 240

gacatatcta tatgaaaaac agaaatnata ctacnaacaa aagagagatc acgagataac 300
atgttattaa ttctcagtga atgacatgtc atgaatcatc agaagagatg aggatatggg 360
aaaagcttta tgaaagtatc ngaacataag gaagatcggt tngttaacag aagactttca 420
ttgtggtatt anttatatga ttcatgttaa atntatcata gtgaaattat gctcttctta 480
cttgtaattt acaaatattc ttaatatctt ttaatcttcc ttaanaaaaa accngggc 538

<210> 3070
<211> 242
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 3070
gctcgtgccg aattcggcac gaggttttac cctactcacc aaacgcctca accgcctttt 60
catcaatcgc ccacatcact cgaanangtt aaatttatgg gctngaaatc attcccggct 120
tacccttca acgccccaan ttgggggcc ctcccaaata atttccnttt ttaaatcttn 180
ggcccttcct ttccccttta acnaacaatt ncccgggggg cncaaaaggg gccctttaat 240
tt 242

<210> 3071
<211> 64
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 3071
gttcagttnc attttactan tcaatcttac gggtntacac atcctttaat tatactngtt 60
tnta 64

<210> 3072
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<400> 3072
aaaacattcc ntttgaaaga tgtcatgcta ttgtataaat gaatnctcct ggaaaggatt 60
gcctttccta aagaaaatat ttattagtgc caaataattc aaatggtata acaaagtgaa 120
gtgaaaaaat cagtatgtgt tgtggtanct gcttggatag gggtaccatc ttgtctggga 180
ntgtatacct atgctagttt cctccttttt atttttgcc ttcattcttc tgaatttaca 240
tatttcctaa aaatttccaa attgcttttc aggaanattt caaggcattg gggaaggtta 300
tgaanccnga aggaattgaa aaccaaaata attaatttta taaattaaag ttaccattac 360
atccanaatt ggcctgaaaa ttccccccncc tcacncttgt ttgtcttggg caaatgttta 420
nttnata 427

<210> 3073
<211> 217
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (213)
<223> n equals a,t,g, or c

<400> 3073
aaatttctgg gattcttgaa agcatgggct ctctccgcac tgagtctagt ttcactgctt 60
cttactggtt ttaatcttta atgttanacc tatgtttatc ccttattaaa atttcccct 120
gctttaattt caatgttcca atgtcaaana tcttataatt cnaaatgttc tcccaagggt 180
gggtcntaat tttttttaa aattttanta aanattt 217

<210> 3074
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)

<223> n equals a,t,g, or c

<400> 3074
ttgaatgcat gtacanatac ctatttttc atctcagttt gtaacccatg catttggggt 60
tggagttggc atgcagtgaa acctacagta tttatcaata tgtantcagt aactgtattt 120
ttgatcagct tcctttactt ccctaacatt tttaggtaaa aacaggaagt cttgttcctt 180
tttnctcccc aaatcattat gccctgtctt tttgttattc taaaattaag aaatagggtc 240
ttaaaaagcc aaaaacttcc catgaagtga attatantaa aggctttcct tgggatnaaa 300
aaatcagggt taaaactgtg ggccaacaat attttccaaa ngnacaaaac anctcctatn 360
gaaaaaaatt ganaattgan tatatgaacc aaacatntac tccttttcca atattgctaa 420
aaatcanttc ttccattaaa aactaatctc taatgaaant aatttttcnna aactatgaat 480
taaaaatttt ttaatggttt tccatctgan tcctgaaacc caaatangt 529

<210> 3075
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<400> 3075
naaaatatnt atttttaaaa aaccanaaag gtatggaaaa aggattgctc tcgacgttaa 60
aaacatcagc ttttctgttt ttttncacca tataaattan agtntnctnt cgaanaatgg 120
gtggtggtta tggtacanac cataacaggc tactttgctg ctacagtaag gcntgaaaaa 180
nttcagcgaa ttttactgtc ttgcanaatt tgggggatta cnaaatggaa aactgctata 240
taatnttcgn caaaaatgat tgcattgtgt gacttatatc ctnctattta ttggcttgag 300
tgcanggana ttttataaaa aaatctggtt tgggttatca aanatcttng antggggatc 360
aaanaatgct gggaaatttc ngagctaaac tggaattaat cttaggaaac t 411

<210> 3076
<211> 56
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<400> 3076
gcnnctccag ggggggnccg gaaccaattt cgccctatan tgattcctat aacgat 56

<210> 3077
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3077
gcggcacnag gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaaccaaan nnn 103

<210> 3078
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 3078
gtgagattgc aggcgtaatt aaatgccttc ttgaggactt ttataccttc ctcttgaana 60
cataaatcca nagcttactg gtggttgtct gaaaaanatc acatcttgta ataggagtca 120
tacataaata tttctganat ctccctcata cttaaccacc gtgcctggaa aatgcanaca 180
actgtattca gtaaatggta tttgaatata agtaaatcaa aagtgtcgtt tccatanatt 240
ctgtagatgt taccacttan aataattacc tgtctaaccc ttaacaaatt ctaccgtata 300
ttctcaagaa cttttgcaaa caccggggat tcccaaaaac aatgttggga attgttttcc 360
aatttttcctt ttgaaaacct ccaaaaattt taaattcatt acctttttac ctnccanttt 420
tt 422

<210> 3079
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<400> 3079
gcggcacgag accttactac cagacaacct tagccaaacc atttacccaa ataaagtata 60
ggcgatagaa attgaaacct ggcgcnatan atntagtacc gcaagggaaa gatgaaaaat 120
tataaccaag cataatntag caaggactaa cccctatacc ttctgcataa tgaattaact 180
agaaataact ttgcaaggag agccaaagct aagacccccg aaaccagacg agctacctaa 240
gancagctaa aagagcacac ccgtctatgt agcaaaatag tgggaagatt tataggtaga 300
ggcgacaaac ctaccgagcc tggtgatagc tggttgtcca aaataaatct tagttcactt 360
taaatttgcc cacagaacct ctaaatccct tntaaattta actgttagtc caaanaagaa 420
cagctctttg gacctaagaa aaaacttgta naaanantaa aaatttacac catagtaggc 480
ctaa 484

<210> 3080
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<400> 3080
gcttagccaa accatttacc caaataaagt ataggcgata gaaattgaaa cctggcgcaa 60
tanatatagt accgcaaggg aaagatgaaa aattataacc aagcataata tagcaaggac 120
taacccctat accttctgca taatgaatta actanaaata actttgcaag gagagccaaa 180
gctaagaccc ccgaaaccag acnagctacc taagaacagc taaaagagca cacccgtcta 240
tgtancaaaa tagtgggaag atttataggt agaggcgaca aacctaccga gcctggtgat 300
agctggttgt ccaaaatana atcttanttc aactttaaat ttgcccacag aaccctctaa 360
atcccttgta aatttaactg ttagtccaaa agaagaacag ctctttggac ctangaaaaa 420
accttgttaa ananagtaaa aaatttaaca cccnttagta ggcctaaaan c 471

<210> 3081
<211> 103
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3081
gcggcacgag gggggcccg gtacccaatt cgccctatag tgantcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaan nnn 103

<210> 3082
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<400> 3082
gctcgtgccg aattcggcac gaggagaaat cgtggnatga aagananagt accagtgatg 60
acttcttatc cctggagctg ggctttcact gctacccata tcccagccct gcgagtctgt 120
tctagccagc acagacaccg cagatccgga actgaatgtt cctaaatggc gcagccaatc 180
caggcttttc anaaactggg caaaaacatt aaaatgggga caatcgggtc ttccgcagtg 240
gtccaacaca ggatttcttt taaatgtttc aaaaacatgt ccttaaaact tcancctgct 300
tcttagcnag tgggccagtt ttgcttaaaa ctggtgnggg ggcnggggga aaatttttta 360
aaaantgcca aaaa 374

<210> 3083
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)

<223> n equals a,t,g, or c

<400> 3083
gctgcaaatg cttctttaag caaaatataa gtgtgtatct tatagaaagt aatgcaatat 60
caccagtctg aggtttggag tgtattaagg tacttggttt ctggaaatct ttttaagctt 120
ggaaaccttt aaacctgcga cttaaaaaag gatctacagc tatctnagta ggtggccttc 180
tgtgtcttgg ctaattttaa agtgtggtgt ttgtttctta cgcaaaaagg aacaaattta 240
aatcactagg tactcaacca acagatttca gtgtggatta nttaagaaat aattgtagtt 300
cttgtgtggt ggcacaaatt tttttcccta cattttgttt atgcagactg tcttntatnc 360
cttcatcctt ttctttttt ccctgaanaa angaaatcnc aattttgttt attggatgct 420
ttgaaaaaaa tccgaaggga aagaaaaaac caaactgact gtnaatactt tcntgaattn 480
gataattttg gctnaaantg ccaggcccca tcctgg 516

<210> 3084
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3084
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaccnaaa 99

<210> 3085
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<400> 3085
gcacgcctgg ccaagaataa agtctttaga gttggtaatg tnnactattt cttttcctgc 60
tgtattaaat tcattcattt aataaaataa tatgaattgc atgcccacag tgtatcaaac 120
ctggcactgg gcaccttgtt gctgtaggtt cagtgagcca tggcctctgt atcatggtcc 180
agatcatgtg tttagtggga gattaaacaa attantcatt gaacaaatca ctacaagtag 240
tantgatata aaanaaaagt atagtttcga tnaaattgaa caatgggagg tctaaataaa 300
tccattcana cttgaanaat ggcaattatc tganacccaa gatatggaaa aatnggtaaa 360
aggcatccct ggctcttcct taacacacta aatatctgct ctcttaccac acccgtactt 420
atgcaaattt gttcaaaata atcattcccc ggacttcaaa tcc 463

<210> 3086
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 3086
ggtttgtcaa cccctgcttt agatgttggg ttttatgtca gtgggcctca atttcaggtt 60
ttgagaaana caaaagaagg ggttggctca ttggaatcag ctggacagct tttcaaaagc 120
tacacacctc cctctctcct tcttctcatc agctttccct gagaaaccac tgtcttaaac 180
tttatgatcc cagttagtct gatttcatta actgatacag atngtttgct ttcattaact 240
atatttggcc tctgttaaca tatcttaagt tatgtttnaa cantttttc ttttannagg 300
tttgttggga aaaaaaattt tttccttttt tgaaaaagaa ccaaacaact nccngtnctt 360
angtttcctg ggaatctcca ntggggttna aacnaatccc gggccttgaa tccccaccaa 420
tactcttctc ttgggctctg ttttattaat aaaaaggaac ctgggaaaan aacaaattaa 480
tnttctttaa anaataacac tcccnaccac ctgttcnttt tcc 523

<210> 3087
<211> 351
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<400> 3087
ncccgttct tgctcttgac cttnncatta aaatgggggg gggggctctt nccaaaaaat 60
nccactttct tcccaagggg ggaaaaaacc tcccgggggg cccttggngg naancccccc 120
cccctaaaaa acccttttgna ncaaaacccc ttacttttcc cccaaaatgg aagcnttgnc 180
ttttgnnggg ngggccaccc nccaaaccta aatgattttt ncttcnaaat ttncttncgg 240
ggaatncaat ctaattggan gttttnaaaa gccaaaggga accttccccc aanctttggt 300
taataccctg gtttgttccc atnatgggat cttgggttca actttttntt t 351

<210> 3088
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<400> 3088
gtgacctttg acatgtgtgc accttctgct tctccagata atctggtatt ccatatgaan 60
aatgaagatg agaaacatca ctntacaaac cagttanact atccccaatt tgggttgcat 120
ttaacttgaa agccaaaaaa aatttgggnt tcctggcctt cttgccaaaa gcttaaaaag 180
ggtttgaact ttttgttgaa aanaaaaacc aantttnaaa aaaacntggt tctttccnna 240
aaaagaaact tttaggggct tgggnaaccc ncccccnaaa aaaaanttan aaaaaantnt 300
tggaattcnt ttttcccaaa aaacttgggg naatttttt tnaaaanaaa aattcccctn 360
naaaaattcc ctttcccccc ttttgggggg aangnnaaaa nnnnnnaaaa ntttncccc 420
ccccccttt tnaaatttgg aaaaactttg gccccccctt ttttgaaaan tttttaaaaa 480
aaatttttt tggggaaaaa tngccccca aancccccc ctgnaatttt tgnaaaaatt 540
cttt 544

<210> 3089
<211> 587
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<400> 3089
gactttccac attttccctc ttgtttgagg tcctgttcca accttcattt ctgaaactgt 60
tctanagcac tttgtctttc tcgtanttca taacttaccc cttcagtcta gaattagaat 120
tacattatct gttttactac tttactagac tgtaagctcc tanaagataa ggactaggga 180
gttcatctct gtattccacc agaaggtaca gtgactcata actagagtct ttanatgaaa 240
cttactgagt tgaataactt aatatatttc tgttttcatt cccaagggan gccatgtctg 300
gagatagacc ttgaatttaa taaattttag gcactatacc atttcagtgg anaaaattgt 360
tgggaaattt ggggggatng atatataaag gggaggagtt cactgggcca ntttgaangt 420
gcttccattg gtctggggtt actaaccatt tcttcctgaa tggtgcctag tatatcccca 480
acagtttgtt tcctatnccc aaaaaattta tatnaaattt tcntttcttt gcaaaaactt 540
gttccttcct tccattcatg aaatcntncc atgctaaatt ctaattc 587

<210> 3090
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<400> 3090
gcggcacgan ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aacccnaaat nttnnc 106

<210> 3091
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<400> 3091
gattgtatac gtgattcgtg caacagcttc tgaatttttt cctccctcac ccaccttaca 60
nccattagtc ctatnataat ttaatttggg tttgttggta tagaaactgt atttgcacaa 120
taatgataaa gccactcagg ctcatctagt cattncctgg atttatgtgt gtacgagtac 180
ataaaaataa gggcactgat ncgtntggta cttgtctnaa atggttattc ttcagtngtt 240
caaaggtaca caaaatgctn ttttctttat aaggtaaaaa tacttggagg ttataagaaa 300
ataactctta actanctnac tttgantggc tttgatattt ntttctcata ntggaatcca 360
taacctt 367

<210> 3092
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<400> 3092
gcttttgagt tagtctatag aaaggaatcc tttattcttt attgcagagc agtgataaaa 60
taattttatt gtactgttga taccatgctt tttctttatc caagaacatc cctattaaac 120
aaacatgaaa gaaaataatt gatttataac ccttttttaaa gcagaggcac ataagtctat 180
agagtggtac tgtnagtgta tgtactanan naacaaagga aacctgtctc agaacatttg 240
gatttggttg gaaacttttc attttctgtc tcatagagcc caacttactg agtggcactg 300
cccatantgt gaacaaaana gtgtntaaag acgggactgg acatggaaaa ctcaaaaaat 360
cctttctctc tcttaccttt gtgcgattga accatcttac ctatnacagt gaatcttaat 420
natgcantag tntttctcnt gtntccttct gaaagaaaat ccgngttgtt ttattcttgt 480
aatattctgc tctaataaat atgtaactgt attcntagag aacgatttt 529

<210> 3093
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<400> 3093
gctcgtgccg aattcggcac gagctgcggt agggggcgga aatccttgct aagcttctat 60
agctggggga ttctccaatt aggtctagga ttttgtggtc tcatatcagt tttttgcttc 120
tgaagtcttt catggtacan aaatggggan agtatttgtg gggggttgtg ccacatganc 180
gaatcaggga gatgagaaaa tgcatggata tattcaggaa ataatgagta nccagttggg 240
taaacatatc tatccatcta aggtagggtg ggaacacctt gaaaatggtc atgggaattt 300
attanaaacc atcaacaagt tggtctgggg atccaaaaac tgaatgaatg ttngcctgtg 360
gatttcanan caattggcag cagtgccaaa ttccccggtc ttgggccctc ttcaagtctc 420
ncctgaaccg tggcctcacc gagtcaaaan ngagttntct ccgctgcacc aaacacacct 480
ncaccaccan ntggttttca tttgacgccc aacacnccca tgaacanact tggaaatgtc 540
cattcaaatg aacccctaag cctn 564

<210> 3094
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<400> 3094
gctcgtgccg aattcggcac gaggaaagtc ttttaggtga ctttcagaac cagaatcaca 60
tatcatctgc agagctgtta acctcatttt ccaaattcct atgacacttt tcacaagagt 120
tatgtttgcc ccagagatct taattcagaa ctanggtcct tcacctttta agangtggan 180
ctacatgtga ttttcctgac acttgagatc atttgatggt gttaaaatgc tggggtaggg 240

gttgggaaat gggaaatggg agatgggggt angttnacaa aaaaagttct tgantaaang 300
ctaggaagaa aactatctga ngttacttat ttgcctaatc cttctatatt agaattagga 360
aatgtaaatt agtctccana tccttgtgtt gncttcttaa tcccaccgta nccatgacag 420
acaaattctc accctcncct gctnantgtn tgcaagttag anaanacccc aaatcccccc 480
ccttttggaa cttcaaattg ggggggtccc aaaacaccnc cggttcatat ttctaaacan 540
tccanaatcc n 551

<210> 3095
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<400> 3095
ggtcatgtgt tctcttttga actgttcagc ttttccgtag gggggaagat cagtcatgag 60
aagcagaaag taactctacc ttccttgatg ccagggagct ntgatgagaa agaaatccta 120
ggaaaggacc agttcccctt attccaactt agcatcactg aatttgtctt tggcaaatgg 180
gctttcctca agtcctgctc tgtgtttcag caaggacagg aagtanactg cctcttgtgt 240
tacttgaaga ncagtgttag gggagtgcct angggctcaa ggaagtantc ttctttctgt 300
taacggttgc ccacaggtca gggaccttta ttaagcaaan atttcctnaa attnttcctg 360
gggaaccc 368

<210> 3096
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<400> 3096
gcggcacgag tgtagttgta tatncacgat gtnatttaat gctaaacagt ncttacagct 60
tnagggaaaa ncataaattt ntagttaaat ngccttcata ctgtggattt ttcctcctac 120
taantaatat gtnggaaatt aagattacac atgttctggg tcccctcaaa ccctacattg 180
ctacagttca ctntagcaac ncatntcgtg gtgatngggg gatntacgta naaacntata 240
naagttnttt taaattttat ttattaagga agnanttccc ccaatctgca taaatgantt 300
atnactgatt ttatcanaat atctgtatta aaggttccag aaaaaccc 348

<210> 3097
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<400> 3097
gtgcttttca cagtaggcct gatgactaaa agatatgctt tattacacgc tattttcacc 60
tcttgaaagt caaaggtgat gattaatttc atttagcagg ggaagtggaa taatatcttt 120
tgaaataact aagtccacta aattatacag tatgctattc tggttctaag tacatattan 180
tcccttggca aatctgttct ttcaaagcat accttcccca aatgagccta cctacttctt 240
aaaaaacata ttacacaatg tggtantaat angtgttaag gaangtaatt ttttccatag 300
tgggtatgcn aacntttcnt ttgaaatttt tccttanatt taaagacttt ngggaaataa 360
aaattngcag ccaaccaaat tccttgaata gaattttatn cctactttgg ggaaaaaatt 420
atttttgtt tnccaaaant tatttttagt tattccttta gaaaatttga aattttancc 480
cantttaggg cttttaattg gaacctttnc ccaaagttga aaccntttac cttgaaaccc 540
ccaatttttt ttttttnncc attg 564

<210> 3098
<211> 115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 3098
gcggnacgan ggggggcccg gtacccaatt cgccctatag tgantcntat tacaattcac 60
tggccgtctt tttacaacgt cgtgactggg aaaaccaaaa cttnngggat cnaaa 115

<210> 3099
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)

<223> n equals a,t,g, or c

<400> 3099
gtgaatcact gaacactaag ctgtgttttc ttgaagccct gcaaactgaa gctagacaac 60
ttaaacttca gaagaaataa cagcaaccta tttacatata taagctactt tcatacctga 120
ctggtgatgt atggacatca gagtaatatg gcctatatca gtttttcatg attgttggtt 180
ttttattgtt gtttttttctc cctacctctc cttatttttct cttcctagga cgtgagactt 240
cacaacctgc taaaaatgag cttccctaat aatatgggga cctacctgtc tangaacaaa 300
ccatcctagc cattaaagat tagatnaacc tgagaccaga gatcnttttc ttctaaaata 360
ctttctccga aagatcttaa aaagacaagg ganaatgttg aaggaaaata atcttgggac 420
ccactctctg ancaaaggaa atcactngga ctgntaggaa ctgtcctctt ccatatccct 480
cccnaggatc ttctatctct ggaagtataa ccaattcntg gttcttnctt acgaatcccc 540
atcatttcct gtccttccct tgnnaccttc ctcctttnac cccttccatt a 591

<210> 3100
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 3100
ctcttatatt tcccagtctn atctgctgga atnnctatnc tactatcaga ccgaaatctc 60
tacaaaatnt tcttcgaccc cgtgggaaga agatacccat tcta 104

<210> 3101
<211> 79
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<400> 3101
ggcctcttga nctatnccaa tgagacgctg gtantcacta agtatgattt tttnaaagta 60
ttgttttata aaacanaaa 79

<210> 3102
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (589)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (640)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (644)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (668)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (681)
<223> n equals a,t,g, or c

<400> 3102
ggattctttg gcttataaga cacagcatat agaaaattta gttattccca ttaggctgcc 60
ttggtcctag agaattaatc atttaaaaga acctctcatt aaatatgaaa gattttataa 120
tttgcaaaca cttaagctgg tatgcaaggc aaatgttcaa agaatttttc agaatttgtt 180
atttaaacca ttaattagaa actacttatt tctgaaattt ggcataggct tgaaggaaat 240
ttgggtttta ancattttat tccttttac tgtctaccaa agggggctta ccccngccaa 300
aaattttgtt ttnnnaatcc naacccaagg gcatnanaaa ggaatttttt ngtttggtta 360
cctttnnnna aaaaaacccc aaatttttt tttttgaaaa aatttttct ttttttttna 420
aaaaagcccc tttantttt ttnaaatang gnttttttta aaaattggnc cccnnnttt 480
ttantttaaa nttttttaa aaaaaaaaaa ttttaattgt tttttnnaaa aaatttnccc 540
ccccttaaa anttttccc cacnnaggtt tttccccngg nttttnana aaaaaatttt 600
ttttttaaa aaatttttnt tttttggggg gttttttan tttnccccct ccctttcccc 660
aaattttngg tttaacccct nttttttccc ccccaaaatt tccccttccc cgtttcccca 720
aaaatttccc ccca 734

<210> 3103
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 3103
gctcgtgccg aattcggcac gagcggccct gcctcccgga ccaccctgcg gggcgcacca 60
ccgatctggg gtgcggggct cggcctccct gcgctcctgg ctgacggtgt gaccttggga 120
ccgagacgtg caactgtcca aggctctgtc ctatgccctg cgccatgggg ccttgaactg 180
gggcttccca tggganctgg tacctaantt ggagctgatg cccctggana caccgcangc 240
cctgcccccn atnctantcc atggtacatt ctggaacact ggccatccat cctactcaaa 300
ngcctgtcct gccagggaag gacccacatt cnccttgncc cangaantgc ctggaaaacc 360
c 361

<210> 3104
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<400> 3104
gcggcacgag gtaactagtc ttgagttttt ttttttttt ttannttaa atncnttttn 60
c 61

<210> 3105
<211> 347
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 3105
gcttacgttt atacttgaga aagtgttgat acagtggcct gagtaggttt nggatttggt 60
ttgcagactg gcttacagcc ctctggtaaa agaattgcag actttcangt gggtaggatg 120
agggattgct gctgctctag gtgcaaatgg attctattta tgtggttttg aataataatc 180
tgggatgttt gcaaacttta cagttcatta tctttcccta taaacaagat gggttggggt 240
tttctagctc tacantgagc attantccaa ccangtttga ntacagctgg agcaaaaaaa 300
ttacttgttt ttttttttt aaatgggcaa ggaacaantt ttttttt 347

<210> 3106
<211> 419
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<400> 3106
gatctaatat ctttggtcca gtttgagatt cgacttaaaa agaatccaga agacactttt 60
gcagagacac agaaagtaac aaagtacaga tgtcatagaa attgtagtcc agcagtacca 120
ggggagatgt actgggncca aagactctga tcctctagac tacctgtaga gcaagatatc 180
tttccattta tatcatctcc atatggtgac tagtactcta tgatgcatag gttaaatccg 240
aggttcccta gctttggaat attanatnct attnaaagaa atgagattgg gaacattaat 300
gtcacaaaac ttatttgctc agganttggg cagaactgct ctcttaacct taggctgtac 360

cacctggctg aagtttagtc ctcctacctc cttggaatgc ccncctnctt ccccccntn 419

<210> 3107
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 3107
taccgcctgg taaattttcc aggnatttaa gtccctttc cttntggtga aatacccccc 60
ttgttaaaat ttcgcaacaa aaaaaagcna ncccgttcna aac 103

<210> 3108
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<400> 3108
ntttattggn tgtacttgtc aaccaaanaa catanctctt aaaccagaan tttaagaatc 60
ttaatgggaa atttttggac ttgaatctgg gttcaaaatt tgggtngccc tttccgttnc 120
aagtttctta aantttctcc ggttttcnaa naa 153

<210> 3109
<211> 472
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 3109
nngacntgct gatattcctc agngacgtnt aaggtagaac gaaaacacct ttatgagaac 60
cccatccatg gaatgctact ccattactga ctttctcaaa tgaattgaga ngtctcaaag 120
gcagagacta tgagttactc atttttgtat ctcctagcag agcacagctc tgttgcggat 180
gggacccctc acaataatgt ttacatagtt taattaaatt cagaaagtta tcattcattt 240
gcagaanaaa ttactggtaa tgaagtacta tgcagtgttc cattctgcag aagactaata 300
cctgctaaaa catttctgtt taatatttga taacaaatta tcccttncca aaggaactat 360
tgctaacttc cccacccccc gacatttaac cctccagata cctcctggga caatggttat 420
ggcaactgga atctntatnt cncaaatgaa ancccctccn cgaattgaat ta 472

<210> 3110
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)

<223> n equals a,t,g, or c

<400> 3110
gtcggcacga ggggggggccc ggtacccaat tcgccctata gtgagtcnta ttacaattca 60
ctggccgtcg ttttacaacn tcntgactgg gaaaacntaa ant 103

<210> 3111
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<400> 3111
gcgcnnccnc ggtggcggcc gctctatatt aatggatcgc ccgggctgga tgaatgcagc 60
ccgagccact tnactaccan acgccttagt ccaaaccatt tacccaaata aagtataggc 120
gattggaaan ngaaaccgtg gcgcaatana tatngtaccg caagggaaag atgaganaat 180
tat 183

<210> 3112
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<400> 3112
cnttttcagg cctcacacaa tttttntatt aatgancntg atcggaccca agaaaaaaca 60
aatcncctcc atgggggttc caatttttcct ttctccaggc cnantttaaa aanaaacccc 120
ctcccccccga ggttcccctt tnaccttccc aagttcc 157

<210> 3113
<211> 77
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 3113

gggaaatgga gacggtcatc cctgtagatg tcatgatgca agggggggata aaggtcaccn 60
ttncangcct ngntgga 77

<210> 3114
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3114
ccttgnggnc tcttaatcag aggcttccgc ggggcntaac gntctaaatt ttagtggntt 60
cccgggctgc aggaattcgg cacggggccc cccnggtccc ccanaatttt tt 112

<210> 3115
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<400> 3115

aggtcccagc cccaccacng angcggccgc tctactctna atggatcccc cnggctgcac 60
gaattcngca cgagcctctg tatagcctcc cagggctctc caaggaagat ggctgagctc 120
catgggcagg gtgttctcac accaccacag atgggacgtg tgcattctcc ttnagacctc 180
catgcaggcc gtccccctgc agccgacctg ccccccgtc ctatgttgca catggtgggc 240
cagagtcnct ggctggtaga atgcttccgg ggctgtgttt acnggcgtgg tgtcatgtgt 300
gaacatcatt ccangaaaag gggcctcctc aagggtaagt ggggtctnna tgttaacctc 360
gcagatggtg gccgcaccng gantagaatn ctngggctgt caccacggac atacatcctt 420
cttccgagcc tcgtgatctc tccttccctg cctccaaggg gaagctgcnc ccnnatctgg 480
ccatgctcct gggcctccac tatgtnggtc tacatcggcc ttggaaaaan 530

<210> 3116
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<400> 3116
gcggtcctca ggtctcctcc ctggcaagat cagccagagg gaatgcgcct ctgccacatc 60
tcctcgtcca ccccctaccc ccggctccgt tgtcctttcc ctcccgggac ccgccgcgcg 120
cccgccccgc gcgcccgcag tccccctctc actttctccc aacctcgccc tcccacagac 180
gtgcccggtg ccggtaggct cctctccgca nggcaactgg ctttgggacc ggatganatt 240
tgangcagca gcgaacctgg gaccgggctt gtcgtgactc tggntcncnt nctgccccgg 300
cagcctttgt gacacgganc cctccggctg cctgctcctc ncncctcgca tgggtctgcn 360
acattgtggc aattccagan nctttattg tttgaaaaca gatacncnca attggctttg 420
ccgtgcanga atttaaaaat ttcanntcaa ctctgacact catctctctg cttgtctctg 480
caaatcagcc tcanaatgan ttctgatttt ntcaaacang cgttatttat ttaaaaattt 540
tccaacntc 549

<210> 3117
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 3117
gctcggatga caccctggcc tgaactgagg agatgaccag ggatgctggg ctgggccctc 60
tttccctgcg agacgcacac agctgagcac ttagcaggca ccgccacgtc ccagcatccc 120
tggagcanga gccccgccac agccttcngg acngaaattt tgggatnttc ccaagccgac 180
cttccctccg ccttctccca catgaggcca tctcaggaga tggaaggctt ggccagcgcc 240
aagtaaacag ggtacctcaa gccccatttc ctcacactaa ganggcagac tgtgaattga 300
ctgggttgag accaaaccgg tccctgtcct ctagttgcct tctttanacc tccgggccca 360
tcctcatccc tgantggccn aaccttgctt tcctgggctt tgccagatgc ttggtttgtt 420
aagtttttaa atatattttt gttctttgtn gaaaaaatnt ttttttttgc aaggggcccc 480
ccaaggcttg gganaaangt ntc 503

<210> 3118
<211> 262
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 3118
nataaagtta gacgctattt ctgatacntg gnatatatga ttcatcctta ccatntatcc 60
tcatatcana ctttttcaatt atgtaggtgg tttaatgtgc atgctgttna gtnaatncct 120
naggaagnat ctggganaaa tatccctnaa tcctanagtn ttcaataaaa catgcctgtg 180
actcttatgn attaaaggtc attttgtctt ctnatnaaat ttctggcnca tatnttcttt 240
ccttgatttg cttaaacatt tt 262

<210> 3119
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (86)
<223> n equals a,t,g, or c

<400> 3119
tcaattggaa ttttttngga ngaagatgac caacggattt gactgctaat atnggattcc 60
ttacctttg ttctnaataa gtctcncata aatgagtgca 100

<210> 3120
<211> 176
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<400> 3120
tttgtatgtg gattttattt ngttttacta taataattga ctaaccaggg gtttangaga 60
aaaattttgn nttccaaatg ttgntcctca ccaggcctat atattcatca tttattggat 120
attcattctt nagttaagaa tacnggtatt attattctga tctcaactcn cntatt 176

<210> 3121
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3121
gcggcacgan gggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aacccaaaan nnn 103

<210> 3122
<211> 125
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3122
aatattcttt ttggggagan cggaatttac ccccttggc ttaatcntan attcttgncg 60
agattttcct ggaaacnttt gggggggga aatttttggg gttccaggtg gcgggaaccc 120
ggaan 125

<210> 3123
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 3123
gcggcacgag ggggggcccg gtacccaatt cgccctatag tgagtcgtat tacaattcac 60
tggccgtcgt tttacaacgt cgtgactggg aaaacccaaa tnncnnn 107

<210> 3124
<211> 72
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3124
gtctaggact ggtttgggtg ctttaaaata gatattgtag ttcagtgcgt gctacatggg 60
ggganacggn an 72

<210> 3125
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<400> 3125
gcccaagtac caatgtacaa actgangagc ttgggcaaag tgtgtcattt atcgttctgg 60
ggctagggct gagtcaggtc cnagaactga ccccctctca gagctgggac ttcatcaagg 120
ctttggctct ggtttgaacg tgntacttgc aagctcttgt cgtagcaccg ggagactcct 180
ctcccagcaa ctcaggactc ctaggaccag tgaggcctgt gctatcatan atgaattatg 240
antggatcca tctganctat nacaantncc acccatnaac aacactgcgg tgctaagcta 300
aaatgcctga agaccatana cagagagaat gggattttta aagaaacatt tattaataca 360

aatcaaaaca tgtgaagctc agaatgaatn tgggaaacat gatngggaac tgggattcac 420
tgaacacgtn ctgcctaagt caaagggcan aggtccggtg tgaccaacat caggcgcntg 480
gggctctcca tgggcactct gcactnaaac aaattgcgcc nttctgtatg gtgcttgttc 540
ntaccactgc ccacanggct cttattattt t 571

<210> 3126
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<400> 3126
cncaaantta ccntgggaaa nttccggaac aacgggctgt gagctccncc gaggtggcgg 60
ccgctctaga actagtggat ccccccgggct gcaggaattc ggnacnaggc cgtntatgtg 120
nggtcaa 127

<210> 3127
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 3127
cctggtntta cggagacttg cccgcgntaa atttctcaaa attcggcnan aanggccttg 60
aantccaccn aaggtgtgcg gccgctctan gnactagtg 99

<210> 3128
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 3128
cnctggtttc ctcgnnntaa tgnccaaaat tagggaaatn nggctggagg nccaccgaag 60
gtgtgcanac gctctagaac tagtggatcc cccgggctg 99

<210> 3129
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 3129
ggaacaagga nctganagct ccaccgcggt gagcggccgc tctagaacta gtggntcccc 60
cgggctgcag gnncaaaccc actccacctt actaccagac a 101

<210> 3130
<211> 157

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)

<223> n equals a,t,g, or c

<400> 3130
nacaanngct ggaactccac cnnggtgagc ggccgctcta gaactagtgg atcccccggg 60
ctgcaggaat tcgagcacga ggaggcgttc agctgcttca agatgannct gancatctcc 120
ttcccagcca ctggctgcca aaanctcatt gaangtg 157

<210> 3131
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 3131
gnggtacgag gaantacata atcanacttg atcanactac gggcaanctc aaaacgttta 60
ctaattgcca tcaactccaa tttaaagatt atggccacat actactttga aaagtttgta 120
gaatggtgtg ttttataacc cataaatggt gtgtgtctac ataccanaat attttaggca 180
aagaaacata tttagatatn ttttgacaga ggatcatnag natttatgtg tttgaatctt 240

aatgagaagc angtaaattc taaattanaa cangtgtaaa gaaagaaggg aatgttggtt 300
aagaatttaa tctgaattta ttcaagttac ttttgttcta ctggnannca tagtacttta 360
gtttatatct tgcaagagat aaccctgctg tgtancataa tntgggtaaa atat 414

<210> 3132
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3132
agcctggttt ctcgctttaa cngccaaant agggaaaata ggctggagct ccaccnaggt 60
ggcgagccgc tctagtacta gtggatcccc cgggctgcng ganttcggga cg 112

<210> 3133
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 3133
ggccttgtca tcgcaagcat ttgacanaga cttgcttgtc ttgggcctgt cacctcctga 60
aaggctgctt tagctgtgga tgcccttgat taagggagag agcgcctang agctgcctgc 120
cccacctggg gtgacggctg tagggctggg tctatgttgc aagccctata tcctaccatg 180
cagtggaaag tgcttagctc tctccctcct gacctctggg canccagtca tcaanacaga 240
nagacnntgn cggnatgtgg gcancatgcc cangttcctt gctgactcan cacttatttc 300
tgtggtttta aaaaagaatt taatgttttt ggttgtatnt ttttgggggg gtgncggtgg 360
ncagaaacat gggggtagtt ctgagttgnt aagaaatgtt tctgnaatca a 411

<210> 3134
<211> 92
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<400> 3134
gctcgtgccg aattcngaac gaacanaaca tttactggga ngcatataat ttctattcaa 60
ggtngtattg aatgatggtt angttaatat ta 92

<210> 3135
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 3135
atacgtttcc tgggncttga tcgcgctaaa tcctcaaaat taggntaaca nggccngcan 60
ctccaccaag gtgtntggcc gctctaggaa ttagtggnn 99

<210> 3136
<211> 94
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 3136
ccccactcag cccagtgtgg ggtagaagca acgtntcant natctccanc tcccaggaac 60
actangaata ctttggtttt agccaaatca tcac 94

<210> 3137

<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 3137
tattcagctc taccngcctn atntagggaa agctggngcn cctgcaggta ccggtccgga 60
attcccgggt cgacccacgc gtccgcccac gcgtccgtaa tagtaagatg ggcaaacctc 120

ctagtccttg ncatttagaa gctggctttt tctaagactt ctagtatgta tggaattctt 180
tgaaaattat attactttna tttctactga ttttattttg ggatactaag gatgtgncca 240
aatgattcgg gatactaagn atgncatcgn tttgnaaatc atctagtgat gnttgntatg 300
acagattatc ctcaaagaaa catcagngat gatctggaac ctntaaaaac atctgttagg 360
angcaaaaat tnaaaggagc atttgggtaa taatcttaac ttttnggttc aggt 414

<210> 3138
<211> 62
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<400> 3138
ntaaccacnt aataatgggt ttncacacat gataaaaaaa aaaaaacctt ttacaaatga 60
nt 62

<210> 3139
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<400> 3139
ataaaaataa ataaaagggc cccacaaaat ccaggtaggg ggtaactgat gaactgatta 60
cctatttcan atttacgaat ctcaaaactc taagatagag attatggcat ctagtcaaat 120
actatttgaa atactacgta ctctcaaagt tttaataaca aaatggtaaa aattatattg 180
aaggttcagt ctcctcagat tcttaaagac tttgtgaatt atataggcag gatttaagga 240
tagcatctcc acctaatgag gtgttaacac ttgcttgggt tttaaaacgt ccagatcant 300
tcttgttgct tcctgaaagc atgggcttgg gtctgccaca tgtttggggc gcncnagcat 360
tntgggaang gaaaaaagg 379

<210> 3140
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 3140
tcttacgann cccaatccgg aaagctggta cgcctgcacg taccggtccg gtaattcncg 60
ggtcgantca agcgtccgct cacgncggtc ggaaggaaaa tcccncaatt cangaggaaa 120
ctgaatcac 129

<210> 3141
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<400> 3141
cccacgcgtc cgtatatatg tgatnctgan tgttnaaana ncaactctat tnnacccgta 60
naatgtactg gatntcaaca cacagtccan agacagtcat tctancaaaa gcttagtgtn 120
tccctataac tgggtattct ggtagggtna agtaangcat cctattccat ttcatgctgt 180
ggtaacagca agataggagc cgcacaggtc atagccagna ntnggctatg cgtcccttca 240
tntaatccca ntactccta 259

<210> 3142
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<400> 3142
cccacgcgtc cgcccacttg agctcatttt tgctcaaaga ccaactctat taaaccctta 60
gaatgttctg gatttcaaca cacagtccac agacagccat tctatcaaaa gcttagtgtt 120
ttccctatga ctgggttttc tggtaaggtg aactaaggca tccttttcca tttcaggctg 180
tggtaacagc agataacagc cgcagangtc atagccagca cttttctatg cgtcccttca 240
tttaatccca gtactcctan gtggtanatc tatnatnttg gtccacatga attattgaaa 300
antctgtcct aaattttaaa tggaacaaan tatgggtttg caatttactg gtggtggttc 360
ncaggaaata ctacgacaat nggganttt 388

<210> 3143
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (420)
<223> n equals a,t,g, or c

<400> 3143
aggatattta gtatagcaat atctttggat aaaataatca acaaacaaaa ttatgttgtt 60
ggaaaccaga aaacgacacc actgatgaat gtacttaggc tacttaatca agaaatagtc 120
gcaatgattc tacttctgtc ttctttttta aaaaaaattt aattagtttg ttttatttta 180
gaatagcatt actgattacc tttcttccct ggaaattaac acattcgtta naanacttaa 240
ggatgcatcc aatgaaatac tttagaattg aaaagaagga aatgaattac ttgaattctc 300
cagaantntt gtgtctattg gtgcnccnac nccgtttaaa tgctatattg ccnctganaa 360
ctgatgccct tttgtgaaac acactgtnac aggccccgtt tacctccttn ttttaattan 420
aaaaaaaaaa gggggggcgg 439

<210> 3144
<211> 79
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 3144
cccacgcgtc cgggtacact tacctttttt ttttttttt aaattttccc ccatccagna 60
aaacaacntt ntaatntnt 79

<210> 3145
<211> 247
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 3145
ccccatttta taaaaaaggg gaaaaaagcn tgggggtntn acgggggccc cccccagggg 60
ttaaccnnag atcccgggga aaatttcccc cgggggggttc cggaaaccca acggccggtt 120
cccggcntaa ttcaatacta annnaaaaaa ccccaaaccc caatnggaac ccccttaaac 180
caanggggggg ggccctcctc caagcccctc ccnaaaattg gaaccncccg gggnccgaac 240
ccaatgt 247

<210> 3146
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 3146
attggttgtg ttttcaacca tcagatgttc ctgggaaatt gtcaaccctc tgatgcagta 60
gaaacctgtg tatttgattt gaacgatgaa tccaaatgga aacccatgag tgaggaagca 120
attaaatctg tgtgtgctcc tggagctaca acatcccttc ctccctttcc acctctgtgt 180
gcatccacaa ttgaacgcgt cagtaacaag taatgaaatt gaaaatgcag ctgaggctcc 240
tggtgtcagn aacacaggga agggatcttg ggcctcacta ctggtntggg aaagaaccag 300
ctctcctacc cttttatcac ccagcttttg ggcntcttat gaatttgaag cgttcaacaa 360
gttatatcag cgggnaatga aaaatttcca gaatgccata gggaagggct gttcctnnat 420
ggtcgcacat ttaaaaggtt ccccaatacn tttggtgtta tagaaatgnc agaaattgca 480
ttngc 485

<210> 3147
<211> 242
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 3147
cccacgcgtc cggccacgcg tccgctccag aatgaaaana atttctacac cnanacttan 60
acgacagtnn atgctnaant ggcaattcct cntttaagct atttttccca accttcaggt 120
tggtcagccc tcctgatcct cacaggtgga taagtgaggn ctaccagaca ggggagccta 180
agaaacttgg attgaccttc taatctaccn ccttganttc agnacaccat tacnatcggg 240
ga 242

<210> 3148
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<400> 3148
accaagcacc tcaagctggg aatggttgtg ggaggaggaa agtaatcaag agatgtttca 60
tatgaaaata acaatatctg caatgagcct taaaggatga acaatattcc canaaacana 120
ttttggggcc nagatatgaa gcatggaaca aaggaaataa tattctgaac atnatggaga 180
aagcntcatt aaagtgcnca gaagtngcaa tattcntgaa ntgtttgggg aaacaaacat 240
accattgaat gtttctagaa cctacaaggg accccgnaaa cctngaanaa tgaaaaagaa 300
taaggaaatc caanttccat naaa 324

<210> 3149
<211> 99

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<400> 3149
gactgtcgcn ccctntctcc gttcaaaaaa tgggnnnctg ggcccaaaag caantntttg 60
gtccggaatt cccgggtcga cccacgcgtg ngngcccat 99

<210> 3150
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3150
aangaagtcc cccctaatta atatcggtnc ccngggaaaa tttttagggg aaggtttttc 60
ggggtgtcan ttttaangg gcccatattt tttacgggtg taana 105

<210> 3151
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<400> 3151
nggganagnn ggtacgcctg catgtaccgg tccggaattc ccgggtcgac ccacgcgtcc 60
gatcctagca tnttaaaatt cagttgttac attgggatcc cacatantat nttgtcatct 120
atatnagggt ggatgagggc tnaaatttca tcttgggtct nggaacagat tcatgggcac 180
acattttata acgattggtc ctcagttctg caaattaaga anctccaatc ttnttgattc 240
cccaccggta gnaacannat gcattgagta atat 274

<210> 3152
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<400> 3152
cacgtttcct tcatttttgt ctatacagtt cctcaagtag gatatttaag taggaaaccc 60
ttctttttaa taaaatcatt tgcagaattc caaaatacag aacagatgaa agcaggtctg 120
ctctgtgacc tgtgatggag tcagtagggt cctcaaagcc cagcctcttc agtcttcctt 180
cactggcccc cagggagccc taggctaaac agaccatcat gtgaaaacca ctgttacagg 240
tgcgagaatg gtgttttaca gagcagccag aggagangca tagaaaagga aacagatnaa 300
atganaaact anttaggaaa agaaagcttt catgaacact ttactatgtt gccacangct 360
ttaaaggaaa tccncccttan gttattctca caanaaaccc tattttaaat cngttcatta 420
tncccatttn ttaggcttga anggaacaca atcctttgga cangttnant taactcttcc 480
caggtctcac aantaaatnt caaangntga atggaaccca ggnttggcca actcaagggg 540
tgttct 546

<210> 3153
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<400> 3153
gtgcttttct ctttggcaga gtttttcttt gctctgatct tggagacatc cctctgccta 60
gtggaaacat aaggaataca gaaagaatgc aaggagatag accaacgtga gattctcctt 120
catgcactca agagaacgat gttgcaggaa gagctagtct ttcaggctgg gctggtgacc 180
tgagaaagaa tgtccagctt ttcttctcca cttggcatat caagagccag gcgtggaaag 240
actaaaacag gaaatgttta taaaaactgt tcacggttcg ccaacaagaa attggttaaa 300
gttagcaaaa atggggattg ganattccca ggaaggaaag atgcccgggg nttaattggg 360
gaaaaattgg gaaccctgaa acccaggaaa gttcaagccc caagcccaac caggntttcc 420
ctgttttttt ccaantgaaa gaaagtttng gggccccaag gaatgggatt tggaaaaact 480
tttcccccca agttcccccn gaaacttaat taaatttggt tgccttaaag gantcccaaa 540
ccccgggg 548

<210> 3154
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<400> 3154
gtattatcaa taacaataaa aataaagcaa atacattaga cattaccctc ccatcaggtg 60
cacanaagaa agtcaaggct ggaatttcat tctcttatct aaatctctct gttctctctc 120
agggaatatt ttcagagaat aggtggaatn aagtgaggct gtgganaatg ttatctataa 180
taggatagac tttcttctgt gcacctgatg ggagggtaat gtctaatgta ttatcagtaa 240
cagtaaaaat anagcaaata ccngaaaant aaataagggg gggccnttct naaaaatc 298

<210> 3155
<211> 215
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<400> 3155
tccttnncgc actcctgtac cgaancattg gagatccctc ctgtgtgtag gttaaagagc 60
caaaggccag atggttttgc cgantccccc ctgctantgt ggggggancc cactttctgc 120
ttgtgangcc ctgactggga accanttggc ctggaatctg ggaagggggc tcccttccca 180
cccttgttct tcctcccccnc ccacangnaa tcctg 215

<210> 3156
<211> 164
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<400> 3156
cctttggggg ggggcncccc aaccgggccc ccctttttggg cccnaaaaaa aaagatttnn 60
aaccccccggg ggggtttccc tnttgggggg gaaaaaattt ttccccccccc ccgggggggg 120
ggttttccgt ccaaanaccc ccaaaccngn ccgggttttc ctnc 164

<210> 3157
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 3157
aagagaaagg ctctgagtaa ataggcaagg cccggggtga gcaggggctg gaatccgaaa 60
gtgggaggcg gcggcccccc accctccata ntccttccgc cctctgctan caccgaagtt 120
tagcccanga cgggggccgt ttaagggccc ggccctccgc cgccgcgcac gtgancggca 180
ccaggaagct ggctgggcgc agccttccct gaagctcgct ggcaccggcc gcacgcntcc 240
atcccgggcc tctgancgga aggggaaccg aagctagaag gaaggcgcat tctgcccaan 300
gtcncggcag cngcagtttc ttgggcncca agtngtgatt ggaattactc ccacgaagaa 360
agggcgttaa caagaactcc taagcgaaaa naaaaacttg aacanttgtt aaaancttaa 420
ggttttgggg ctttccttga aatttncccc caaggggggg ttttttgaaa aaaattgggg 480
gaaccaaaag ggtttccctt taaaaaaagg gnaacccggt ttaggcnttt nccccttgaaa 540
ggaaanggtt tatncc 556

<210> 3158
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 3158

ggaactctcc gacaggcaat acctgctcca gagagccaaa tctggtnggc tgaactttta 60
tcangcctgc attgcagtnt gatttctncc tcttcgcagt cctgcttctg tn 112

<210> 3159
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 3159
cgcagatgct ggagcagcga ctggcccggg aagatccgtg ccctggagag aagcaaggag 60
cagctgctct cgganagagc tggacagaag tttgtattac aggctcgtac accggaggtt 120

tctgatggag canacnactt gaggaaggcc ggccttgctg aacacagtgg actgaccggg 180
tctggacccc tcccccacng gtgactgtgc actgcagcag aganaagang aaaggaatct 240
gaann 245

<210> 3160
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (92)
<223> n equals a,t,g, or c

<400> 3160
taggggtggt ccatggannc aanggagtaa ggacagccca aacgcntcta tgngtgtcta 60
gcntatnang gtttcaccgg tcattccgtc angttctgt 99

<210> 3161
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<400> 3161
acngttacnt taccangttt ncccgctcat ttatctcgtt ctgctagggc caccactaat 60
aagncgtccc atgagatcgg ggtggcaata ctacggcatt aatacaggtt gagntgacaa 120
agaaaaggca acagttggtt acggtggcca gggtgaccgc cacgaagagg ggttgcggta 180
aaggagggtt agcgnagttg ttagccgccg cggcctatca agccagttat gagaactacc 240
tattacgcgt ggcgtattgc catgttntag accatgaagg agnanntgcc ctnagaagca 300
gtgag 305

<210> 3162
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3162
aggggccca tgtgatagcg atacaangnc ccaggacatc tacgagttca agttnncaat 60
tacacaagac ancagttggt ctacgctgcg ctcagccgtg tatcgct 107

<210> 3163
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 3163
aaactgttta attaaaacaa agcatcgnga aggccacggc tggtgttgac actatgtgat 60
ttctgcccag tgctctgaat gtcaaatgaa aaaattcaat gaaacgccgg tnaaccgcgn 120
ganttnctat aatcctcttn aggtatccaa aat 153

<210> 3164
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<400> 3164
cnctccnacn nataccttтc caggttnacc gttcatctat ctcgttccaa atacttttac 60
ttgctaattt ttttatttgt cccactacta tgtttatttg cccttacgtc acccagtgga 120
ccctgagttt catacacgta gctgtcactt tgcacgcatt ttattatctt gtgcgcattg 180
cccgcacgta ctagttttaa gggtgattat agttantatg ttgattagtg gctagcgatt 240
ggttggttgc gttttcctga tggcccacgt actggtggtt tgtgtttaat gtagtgtttg 300
tggtgtgttg cctggtgaca caacagttac aatggctcgc tactggtgtt gtgtactata 360
tgggccctgc ccagcctang cccctagaag ccacttgccc tcagtctgca aggtgntttg 420
tgctggttgc caaatncaac aacgtgaatc atnacaagag gccttgctna ttatgagtgt 480
gagtgtttga ttggccnctg tnttcctgcc aagtcaata 519

<210> 3165
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<400> 3165
canagctggt aaggccncac gtatcanncc gggaattctc nggtcgactc acgcgtccgc 60
gggactcctg gggtggttct cttcctctgg tcccttctgg ggaacctntt ntcccnaatt 120
tcttcgctgc ngttttcccc atcggttccc tn 152

<210> 3166
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<400> 3166
gatnttgcca acccggatcc ngttgccaac gtttacccga tcatntatcc tcgttcanat 60

ttttcttttg cttttatttt aactacagcg gtttngtact ctgctttgca cgtacgtccg 120
tttttcgggt gctgtgttgt ttggggcgcg gttgctgtat ggtnactggt ggttagccat 180
gggttaccct atacgtagtg tgacttttta aagtagtgtg gtagttgtgc gcgcgctagc 240
ggnggaattn aagcaaagac annacaaacg tagatgggcc cctncta 287

<210> 3167
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<400> 3167
nanttgtcga cntgatccgt tnccaggttt acccgntcat ttatctcgtt cctacgccca 60
ctactgtgtt gcttatactg ttgtattttt gcaaaagcgg tcttgctgtt aacgggcgtg 120
ttatgtttgt tggccgtaac actattgtat actgctgcac ttcgttctga gtgctacgcc 180
gctgcaaatc antccacaga tgcatacagc acacttgtac tactggccta cgtgtagcgt 240
tttggattgt atggcgtgtg acttctactg gttaaattac tcttagggta acccanagtc 300
atatactact taacggtagg ccactgcccc tgcttatacg gccccgcctg ccggtgcccc 360
tgccccaggc caatgcgcgg gcccacttgt agtaggccgg agcttaacca anttggtgtg 420
caactaatac ngtggtgttg atcttaggtg ccctgggctt tgtgtccaac ttagcccctg 480
tggggcgtgc agccgactgg gtgtagttgt gggcctagcg caaacantcn tgttatgttt 540
agacggtgtt cctngtgccg gactttngcg cgttggggtg agatgtttta cctnactgcc 600
cca 603

<210> 3168
<211> 214
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<400> 3168
gcacacgcta caggncgtna acagttagcc ccacctagga cgggtacgnt ggcnccccgt 60
ttgccaacan gtgttgcgga ttgcacgtgt ttaggtatgt gtctgatatc canagctcat 120
gttatggccc gttngataag cagttaccac aatgcctctg accgccgctt cggtatancn 180
gancgacggt tgcaanccgc atgtcccatc atgg 214

<210> 3169
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<400> 3169
gttnttcgtt ggatggttna ggtgggacac gggganggatc ctggggaaat ggttanccac 60
ttttctcagt cggtcttact tggcccacca cgttganttg aacggnac 108

<210> 3170
<211> 577
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 3170
gcccgtcttg tcnacngnta ccttaccang tttccccgtc atttatctcg ttctaaaggg 60
aggtagagcc gggagncgat attactgtag cagttacaag ctagggagga tgggcgcttg 120
cccgtacaag gggcaaactg ctgctactat gtgaatgagc gatggaatgg gagacagcga 180
aaaaaaaggc accanaacac aacggacata gagtggctgg aaccgtttgc cgagaggggg 240
ccaggggggaa gggccgcggc ccaatgcgag cagccaataa tgaagaagac tacgacgact 300
aaagcgnang tggttggcac tctatggagt tgggnncaac tgggtgataa aaaaactttc 360
tgggcaactg gnagataggg aggccggnag ggcagtttnc tagaagttgc gcactgtact 420
agnagggggt tgcgngnagc gcgacacaaa ggcacatntg caacgtggaa tgctaaagac 480
agccgcaatg accagggcaa ttggcgtgag cgcggagatt gcaagngccn aagtaggagc 540
tnagatncat tgnagggcaa aagctggatg cgtggtg 577

<210> 3171
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)

<223> n equals a,t,g, or c

<400> 3171
nttgncaacn natgccttcc angtttaccc gtcatttatc tcgttcttta tctcgttctt 60
tatctcgttc ttttcactct tctgttcctg ctattctctg tctgttcacg ggtacctgtc 120
gctgaactga ctcttcgtcg tcgtgtttgg tacgtcttag tagcaggagt gattcccatt 180
gtagtactta tcancacagc ggtgttcann gtgatnacag ttcccacagt ctccatcccg 240
gcgcttgcca ccgccacccc aacagccgta cgaccatnca accgaatagg cagcatgtct 300
gtaggccgcc aaagcttgtt ctgcaanctt ttcaccctca nccgattcaa actatacgaa 360
gtatgccgcg tcagaggcgt agccaatagt attgctacca nataacgggt atnnnacaac 420
tgatcaca 428

<210> 3172
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<400> 3172
aaagcnctca ctatagntna aagctggtac ncctgcaggt accggtccgg aattcccggg 60
tcgacccacg cgtncgccaa attcatagag aataaaatta catgaaagag ttacaagctc 120
actgttttaa agacttgaca tttttcattt agttttaatt tacagtactt atggagagcc 180
agcagaagac atcagagcac tcacttcttc ccatctttgt taaggttanc agaattaccc 240
atggacantg ttaggtgagg ctcattcgnc ngcnctgaaa acaaa 285

<210> 3173
<211> 203
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<400> 3173
gnnagagngc ttccctcanc acgagcgatt cgcaacccag ttaaagctgg tacccctgca 60
ggtaccggtc cggaattccc gggtcgaccc acgcgtccgc gnnctcgtgg gcggccactc 120
cggtcccgac accnancctg ccggaaagaa cacccggaaa tgaaaggcca ccaagaagaa 180
angcactacc tnctangaca aga 203

<210> 3174
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<400> 3174
cgtntntata gtnaaagctg gtacncctgc aggtaccggt ccggaattcc cgggtcgacc 60
cacgcgttcg gtanaagatg aacaggagca ttatataagt gatgatttgg acattgaaac 120
taaaatggaa gaacaggaaa aaaaccctgc atcttctgaa cttgaagaac caagtttagt 180
ttgtgaggaa gatgaaatta tgaggtctaa agaaagtcca gatctttcta tttntcattc 240
tcaggttgag cagttagtca ataaaacatc tgaacttgat atgtctgaaa gcaaaacaag 300
aagtggaaaa gtctttcaga ataaaatggc aaatggaaat naaccagtaa aatcttccaa 360
agaaaatcgg aagagaannc aacatgaatc tnggagaata gtaagnctta tgataatgta 420
taggtngaat acaatgggaa ggatcacgaa tatcattact acagattaaa tttaaaanga 480
tgaatttgat atctttcgat gtacctgaga gtttttgata ttnaaatttt gnttaaaaaa 540
tattnttgtt ttn 553

<210> 3175
<211> 88
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 3175
gctgtatntt tcctcnggaa naatcncact cactattttg gaaagctggt nccgcctgca 60
ggtaccggtc cggaattccc gggtcgac 88

<210> 3176
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<400> 3176
tgagtggaca tgcnatggaa atggattgng acactggtga atgaacagat gatantctac 60
gtactnaaga tgcatcaccc aanatgatga aaggtactgt ac 102

<210> 3177
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<400> 3177
ggatgatgtt tactaacgan gaattttaca tccaaanngg gataggcact tggaccccca 60
ttctccaang gcccgggggg gcggnttccc atgggatgtg aaaggctggc cattattaag 120
tccctgtaac tnaaatgtca accccaccga ggcaccctcc cgtnccccag aatcttggnt 180
gttnacaaat nacgtg 196

<210> 3178
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 3178
actatttttg nnagatggta ccccctgcag gtaccggtcc ggaattcccg ggtcgaccca 60
ttngtccggt ttnaccagat nctgacccgc gacggcaagg 100

<210> 3179
<211> 506
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<400> 3179
gctctttaga tctacttgct tttctgcttt taaagattcc atgggagcag tgaggcttac 60
tttgagaata agggtacttt gttggataaa agtgaagcaa acttttattt tggcagtaac 120
ggaaataaag taaatatcac tatagcatag acctgtgttt ccaactcatt ttgctcaact 180
tttccagact tcctgagtaa acacagatgg gtttccactt atttttcagt tttatgtaga 240
aagttcttta gactataaat tccacatgct acttggagtt ttcagtgttt gcttgattgc 300
atgccattgg aaggtcaaaa acctagattt agacattata aagatttaga aggtgatgat 360
gtgtagtaac gtgttttcat ttggctttat ttnggctttc ttgatggtaa ttctaaatgt 420
tttaattcan gtcttgacta aatttcctgg naattnggng gcagacagaa ttttgaaagc 480
cttctatttt taaatagcan aatggt 506

<210> 3180
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<400> 3180
ggcggcccnt ttgggtcccg ccggggcgcc gggggtgcgg gagccggccc aggagggggc 60
ggcagcggcg gagtagccaa gtggctccgg gagcacctgg gcttccgcgg gggggncgga 120
ngcngagggg gcagaaagcc ngcgnc 146

<210> 3181
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<400> 3181
gcctatgcgt ccggtaccat ggaaaactaa atttaannna ccagttataa cagtgtttaa 60
tttagataag tttgagggaa aataatcant aggcaagagg aacatttttc ctgtantagc 120
tagagtgcct tgaaaaaatg tgtnggctat gtgaaggaat atttnaacta aaatggaatg 180
gtatgctnta tacccttaaa gttngaggag gatcttgata tgttttaaca ttatnatggc 240
anggaaatat ataaagaana aaaatattnt tctatttaca atttttanaa aaggtttaat 300
gtaaaaataa tntggatttg tatnaanaac aacacttatc gctatgtatt gtgttagaca 360
tattgtcagt ctgttgctac tgacttanat anttaaatgt tggcactgct gaanat 416

<210> 3182
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 3182
gagatagact ttnctnttgt aaagtaaata aattnttcaa aganaagcat tgcanatgga 60
cct 63

<210> 3183
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 3183
gcccacgcgt tcgggaattc atgtggaggc caccccagct gcaagtgcct tccttggagc 60
agagaggcag cctcgtcctc ctgtcccctc tcctcccagc caccatcgtt catctgctcc 120
gggcagaact gtgtggcccc tgcctgtgcc agccatgggc tcgggatgga ctccctgggc 180
cccacccatt gccaagccag gaaggcagct ttcgcttgtt cctgctcggg acagccccgg 240
gtttcccagc atcctgatgt gtcccctctn cccacttcag aggccaccca ctcagcacca 300
ccggcctggc ttgctgcaga ctataaacta taaccactag ctcgacacaa gtctgcantc 360
caggcgtgtt ggaagcccgc tttccgggtt cggggaaggn ccccgggggc ttggggaaac 420
gccctggngc cctttccttg ngcccaaaac ccaaaggccc ccctttttggc cctttccctt 480
gggcccttgn ttgnccgaac caaggaaact tggncccaaa 520

<210> 3184
<211> 62
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 3184
gtcgacccac gcgtccgtan aagagtaggt cntccagtgc tgctnntgca gacacctang 60
at 62

<210> 3185
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<400> 3185
catntggcng tgaccttatc tggangnacg ctggtacgcc tgcaggtacc ggtccggaat 60
tcccgggtcg acccacgcgt ccgctaagac ttacctgata tttcttagga tgtggacatc 120
atgtttgggg caatgtntcc ctcaccgcct ctctcatnct ttataccata aaagagtgat 180
ggcaatatgc tagctgaaat tcacccttcg atggtttcat tttcttgtct acaaaggcag 240
ggtgagcgac tgntgccctg tgatttctgg cactcccagt ggaaaggaag cagaggggcc 300
aagttatggc agagtgcacc cagttaggcc ttcgactaca aaagtatcat ggtttccctt 360
cctccccagt taccattctt tccctggttc ccatcccctt cacatccagc agtgngggct 420
aaccttcctt tgcnnatcct gggaaaacac atctttgctc cagtgcaaag ttagactgga 480
caaacaagcc ggtgtggang aagctttn 508

<210> 3186
<211> 91
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3186
actttttggga aagctggccc gcctgcaggt accggtccgg aattcccggg tcgncccacg 60
cgtccnttcg cctcaaaggc gnacaggtgn n 91

<210> 3187
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<400> 3187
ggnctgnctg aggaggtgtg gacttttatn tatagatcta catanaaact gntacatgac 60
anaaaccaca cctaaagaaa ttttaagaat ttggcacagt tactcactnt gtgtaatctg 120
aaatctagct gctgaatacn ctgaagtaaa tccttganca ctgaagtctt tcaattganc 180
tggatgaata ctn 193

<210> 3188
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<400> 3188
gtcgacccac gcgtccgcgg acgnntggga aaatatcata agatatacct attttaaaac 60
agaatggaca ccctatattt cagggctgtt gacaggcaca taagccctca cagtcagcta 120
gccattgatt ttcagagttt cttcatttac ttcaattatt gataaatatt caggattgct 180
agtaaatatg ttctttactc atgtgattcc tttaccatct ttttttagag gcattcagaa 240
gtccagtatt tcgacatgga acagataaga atggattcag cttgggtttc agtaaaaaca 300
tgcgacaagt ttttggtgat gagaagaagt actggttgct acccatttt tcaagtctag 360
gtgatggctg ctcctttcca acttgccttg ttaaccagga tcctgaacaa gcatctactc 420
cttgcagggc tgaattccac agcttaaaat ctcgaaaacc atnaagtttn ctgc 474

<210> 3189
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 3189
ggctngatgg gctgactttg actcanaggn atngttcgga tttggcatnt caaaacca 58

<210> 3190
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<400> 3190
gaacaaaana tggagagcta atttctgttc ctcttttgan nntgggttat gtnctagtga 60
gaggttcatc tgataaaaat caaatttcaa gtacaatatc acttttaaaa tatctaanan 120

aaggatattc aataggaact ccattagatg gaccaaaagg accaaaagaa aangntaaaa 180
aaggactttn atatntatct caaaaaactt ctataccact tgttccagtt ggaatttcat 240
atagtnaaaa gtggatatta aaaaagactt gggataaatn tgagataccc aaacctttt 300
aaaaagtnaa aatcttttta agtgaaccaa taacaattag tgataaagat gatttanata 360
aatatacaga aattataaaa ccnaaaanaa angcgggccg ttcta 405

<210> 3191
<211> 94
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 3191
gcagaactgt aatctgcgaa gatgaataaa caagcgaggt cactcttctg ggcatagaaa 60
atgctaccac gtggntaccg gntgaangan gnat 94

<210> 3192
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<400> 3192
gtttttagga attaagtcaa actaagggat angggcctga gtggaagagg ctttgccact 60
gaaatgacgt gcatgtggca gccgccggaa ccagaggaca tgcagccgcg tgcggagagt 120
gaggcggatc cattacgggc acacagctta ccatttcctt ccagaattcc ttcttccaaa 180
caagctatac tgaaatccct ctagtaaaag attgagacga aacactaata gttttgggcc 240
aaaacgtggt ggagaagttt gaaaagacaa acatagcaac gtgtctttgg ctatatggtt 300
ccttgccctc cagcaagctt gaaatataaa aaggctaaca tgcaaaacta ggggtactac 360
ccccctcccc cagtttttaa aaagcaattt ccagaagcaa acacacaatg gttcgacttg 420
aagtgtcggc ataaccattc agtaagaaaa gctagaatag taaacctctt ttctggntgg 480
gctatttatn aaacctaata aacatcaagg ancgnactca aggatgaaac tnggcaatgt 540
gtggagccg 549

<210> 3193
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3193
caaggagaat ctncgctcac tacnngggna naatggcccg ccgagcaggc accggnccgg 60
aattcccggg ttgacccacg cgcttttcac ccgatngcg 99

<210> 3194
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<400> 3194
ttnagaacgt nttncggcac gcgctgcggn tcctcattca cctgcacnnc agggtggccc 60
catctaagct ggaggcgtng caaaaggccc tggagcctac aggccagagc ggaataggca 120
gtgaangagc tntactccca 140

<210> 3195
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<400> 3195
gcggacncgt gggggcggag gcagaggtgg ggctctctgg cagtggagtg ggtgctagag 60
gcaaacccct cccctgcagc ctgcttggtg gtgatgttat gctgctgtgt gtccttccac 120
tgaggcaggg gcacaggtgg cctgggctag ganggctgag cagcagagtg ccgagggatg 180
gagggagagc ccccatggga gggtgccagg gggctggctg agcagctggg cggggtccgt 240
gaggtaagaa ggtgcccggg ccaggggggca ngagctctga tgtangacag ctcantccag 300
tcaangggtg ctatgaggac agcangggcc tncgagtctg gggtggcctc acccccacaa 360
gcagtcctgg ctactcagcn gcactaccca taggggacnc ctgggcagtt tcttcaattc 420
ggtggcacat taacatcgnt tgaaactttg tnttttcttn t 461

<210> 3196
<211> 69
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 3196
gctcttcact tnnatngatg cttttagata tttggccctt atgtgggaag aanatattga 60
tctanaatg 69

<210> 3197
<211> 275
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<400> 3197
antnataaat caaaaaaatt nggggggggcc acccccggaa agggcttctt ttctggcctt 60
gggcnaccaa gngcctcccc tcaaaccctt cccaagcttt caaccttatg gcccaagcca 120
agaaggggaa gaaagccccc gaagtngcaa nggaagaaag caagcanncc cgtggccccc 180
aaccgggttc aagaacccna aacccaaggt gccgcttccc ttgggggccc aaggnccctn 240
nattttnaag aagtggaaga accttgaaca acttg 275

<210> 3198
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<400> 3198
tnntctatct tgcnaatccc gttcatantt aaagccagta cgcctgcagg taccggtccg 60
gaattcccgg gtcgacccac gctttcggtt ncggttgccc cctcctgtgg actgngggng 120
cccgtttgna tgagctcatg nagaac 146

<210> 3199
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3199
ttgnaacccc gttaaagctt gtacgcctgc aggtaccggn ccggaattcc cgggtcgacc 60
cacgcgtccg cnncgcgttc gcccacgcgt ncgcccacgc 100

<210> 3200
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<400> 3200
gcggactcnt gggctgaaca ttagcaatgt ggtaagcact gcagtaggag ttttcacgtg 60
tctactcatg taatcctcaa tgcaacctta aagataatgc aagtaccatt gctctcattt 120
atgggtttgt gaatgctgag attaagaagg aatcgtgagt ctctacaagg ttggagactg 180

taatgtgccc tgcctggctg gctctggctt cacactctgc attgtgtgtg cagggagctt 240
ctggacactc tgacgaggat ctggttacct ctgcacaaca cagaagacag gttgaggaag 300
acggaaagct gaggggcttc ttcagggaaa aataatctca gcgtancatt cctgtaagcc 360
tgtctncatc ttacttgaag ggacttgctt ggatttctnc aaatccatcg ttgtgttgtg 420
ccaagncatg actatttctc tctgngataa a 451

<210> 3201
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 3201
nggtctaggt gtcgtccgag acncttagtn gnactcacat gggaaccnct nctatatttg 60
naagctggta cccctgcngg taccggtccg gaatccccg 99

<210> 3202
<211> 72
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3202
ttaaaatcat gacatgacat acttttggaa tttagtgccc atatgctgac agatgncnaa 60
angggtntat an 72

<210> 3203
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<400> 3203
cccccggtcc ttttttgggg ggaaaaaaaa acccccctcc cctttttttg gggggaaaaa 60
aangantaan ccccttcttt gggg 84

<210> 3204
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3204
gctnatgcaa ggtcannccc cttcctgggg gcctggttaa tgtggatgag ngaaggcctg 60
ggnccccttgc 70

<210> 3205
<211> 477
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 3205
ggcttcgntg tatttagtaa gcctttacaa gacttgttaa agatgtnatg agtgccccaa 60
gctgncgttc cttcccttcc tgncccacaa gctccttntc ctgaatttnc tacctaaata 120
ttaaccatat gcctagnctn tnaaactaaa aacttggacc tcatnctcaa ttattanctc 180
ctttcaactc tggagaccnt ctgtctggtc tnnctctaga aggttctacc gcataaattg 240
atntgtgctc cctgccctcg nactgcccaa gcccgggcct gcacatactc actggactgt 300
tnccgttttn acagatgnca gtcttcctgc ccctttcac actgcagctg aagttcaatt 360
acctnaaang acncncttat ntttcatttc cttggctcca aacctttngn ttgcctctaa 420
gattaaagct caanttctta acagtgtaca gtgtgcaact tccaaccttt ttatntg 477

<210> 3206
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<400> 3206
ggcaaatttn ctgtgcaagc tctaagtagc aggtggtatt tccttaatat attgtttttg 60
acctttgggg aaattggtat tacgagctga ctttggaaaa ttaaaatagc atcaaggtcc 120
tacattttaa ataaaacaat cgatatctta atttttaaaa tcagactaga ttacgatacc 180
aggaaaagac atacatattt tgcttttatg tgttaaagtt ttgtaattca gggaggacaa 240
gaaaagggat atggtgcagc tgaacttttct aattcactaa gacaggaaaa aaggaaggaa 300
aaaatgtata tttttaagtt tcaatttaaa cctttgctgg taactaaatg ctttgatatg 360
atcagtcata caaagagtta aattaagcat ggagctgttc anatggcaaa tctgcgttga 420
gctgaangta aaagacatct ggatttttca ttcatttgct cancagcact aaatttcaag 480
cttgtttttt tgttcagcat caaagaaaag ggtggtttat ggttatcgga ttttttttaa 540
cccacatntt tcatgaana 559

<210> 3207
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (170)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 3207
tcaaaatttt tggctgtgtt cttgaatact atagcttacc ccaagaggac ttgtggggaa 60
caagaatgag agggtgaact agaaagaaag gtgattaggc attgtccacc ccaaaagcaa 120
ctcctctaac aaaagaagga gcttagagca gtttccatgg agaggaggan tggctgttta 180
tcatggctgg ccctntcatt agctcattac caaaaaacct caagggaaca actaanaaaa 240
ggttttggga ttaaaatctg tttaaagaaa tatccggaaa tagggtttcc cataaaaacc 300
ttgcccattt tttctaaaat ctgatttttt tccttntttt taacccataa atttttggct 360
ttattcntac atatnctggt attttgacnt cttttggcca aaaanataaa 410

<210> 3208
<211> 170
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 3208
cttgntgact tnctcggaaa taccnctact atagggtaag ctggtacgcc tgcaggtacc 60
ggtccggaat tcccgggtcg acccacgcgt tnncggacgc ntngggtgaa aagctcctta 120
gccctggggc ttgagggngg aaaggggtag ggtgggtaag agtccatgga 170

<210> 3209
<211> 64
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3209
gcggacgcnt nggcaagatc tacgaagaga gatagatcta ccgaagagag atagattttn 60
annc 64

<210> 3210
<211> 62
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 3210
gcaaatagtn tatcaacccc agactatttg tttgacatgg gncaatnttn agaatatntt 60
gg 62

<210> 3211
<211> 80
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<400> 3211
ggtcttcttt aggtagcaga ggtgcagagg aggagtttag atgacntttg anacctcant 60
catnaaggcc tacagaatnt 80

<210> 3212
<211> 74
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 3212
gcttctgagn taggagaact tattccacct tcaaaaccta gtttgggctg ggtgcagtgg 60
ttnnactaat ncca 74

<210> 3213
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<400> 3213
cttgctatag ctctgagcnn gtactcccgc aggnacccgt ccggaattcc cgggtcgacc 60
cacgcgtccg cccacgcttt tcgantacta tnctttacag ggaaaaaann gggctgttgt 120
gggcatccta tgcagaanca tatttncgct nggttcgaaa gattatgatg catcagctct 180
ctagcaaatc ttctttgntt ctttttacag cattgncctt gcttgnaccn ttngctgatg 240
gctgctagan tttaaatnta tcntgatcnc ntanttgata atattagtga ttccgatttc 300
agctntcatt ngctatgctt ttgctnattt ctcatgtaac atttggtnaa cgattccagg 360
aatatngaca cataggtggg aataa 385

<210> 3214
<211> 90
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 3214
gntctgtctg tattattatt cacctataat tagncattat gagataatga taatacagtn 60
ggatagtaaa gnttataata tataaatnga 90

<210> 3215
<211> 91
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<400> 3215
gaaactatta cnttgtaaga actctgccta tgcttgctaa atatagnggn gaattantgg 60
tttactaaaa taancaggaa gaggggaaaa a 91

<210> 3216
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<400> 3216
gttttcatct atcttggcag gaagtgagta tgcgacatnt aagattgaga catcaaaaat 60
tcacagcatg agcagattgt ttacagatgg ggtaactaaa aacaatgagg taaatgtggt 120
tgcctctggg aaaaacactg gaggcattgg aaagggttgg gttgggggcc tgttgttttt 180
tgcattcgcc cccttgagtt catttgttct ttcatctaac agacacttac tgtttgccaa 240

acacatgtaa atgaaacgac tttactgaag atttgaggac gtgagatatt ttctgtcacc 300
acagtgccag atttaaaatt gaatattaga gaaacttgtt cttaaaactt tttgctaggc 360
actttatgcc aaccatgttg ctacctctt ctctccgtcc tcttacattc ttn 413

<210> 3217
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<400> 3217
aggangctta anttatctta nnnaaacttc tgactatagt taaagctggt acccctgcag 60
gtaccggtcc ggaattcccg ggtcgaccca cgcgtccgtt acctctctgc caagtttggt 120
ggaaaannngg ncaaanttna aaaaat 146

<210> 3218
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<400> 3218
gacctctact atagntnaag ctggtacncc tgcaggtacc ggtccggaat tcccg 55

<210> 3219
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<400> 3219
tagcccangc tgggacgnct gcnggtnccg gtccggaant cccgggtcga cccacgcgtc 60
cgcccacagc gtcctggaat ttttttcttt tgaaagctat gtaggtggac tttgngatta 120
tgtaagcata aagctaatgg gattggnggg agccccanct gagagcnggc angtgctgga 180
caatcttctc tcagccttgc tctgctaatg tctccctggg tgtaggctgg cctcntgctg 240
ctnntgttat gcancacanc aagataactg cctgctg 277

<210> 3220
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<400> 3220
gctggcctgt ttttataact ttatttttca aatattaaca accactgctt tcagagtggt 60
tattttgtta tttttgaagc aggaaataac catttgtatt tgcacctgcg tattgcatat 120
gaattatggt atacttggca aatgcttttc ttttacctgt gaaaattctg aaagctggtc 180
caagctacat tgcataccaa attgtgctct tatatattat ttgcatcgtg tccttttaa 240
tcaaatagca tgttttagtt ttattatagt aagctttttg ctgtaagaat ggcacttgct 300
taacctttna atggaccttg gaatctttaa attattgctt ttnaacattg gtaattnaaa 360
ccaaaattcn atttncgtaa tt 382

<210> 3221
<211> 142
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<400> 3221
acncccantt gaaaccccnc actcattntn gggaaagctg gcacgcctgc aggtaccggt 60
ccggaattcc cgggtcgacc cacgctttcg caggagtctg ccacttgtca aagaaggngt 120
tnatcctgag tcttnccant cn 142

<210> 3222
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (638)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (672)
<223> n equals a,t,g, or c

<400> 3222
gaatttgcnt taaggtcagc tagcatcctg ctggcaagcc nctgcatagc atttgtgata 60
agaaggacca actctaggct caatatgaag ggatttagtt ctgtaagcag caaaaaagct 120
tctttatcaa gtcatcttac ctctaattct tttccagtgt gccaactcca aagtcaacat 180
taaaaatgta aatggacctg tgtaaatatc acagagagct tttccttata catctcaatg 240
ctgagagtta aaatattccc aggttaaaat ttttttaaag taccaataat agagctaaat 300
acaatgacat ttgcttttaa aaggtggata ttttatttct gctttttgaa aatacttatt 360
tagtattgac ttggaagcca atttgggtcc tttaataagt aaagaaaata atatgtttaa 420
aaatgtaaat gttttacaaa ttttgaaact ttcataanng nattaatcag aaaacaagcn 480
cattgccatt ctttgaaact catgtttcta gacatgacag cangtcaata aaaggatgaa 540
aacaagtgtc ttcactaagc cgtattggnc aataaatggg acccaaacgt tcaatctgtt 600
caanttacca aaggttcaaa aaatacgtaa tttagcangg aaacctttca tnccagtggc 660
tatcccagnc cncacattc 679

<210> 3223
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 3223
gcccacgcgt ncgattgggt ctttagcctt atgaattnga gctgcttatt taattggtgt 60
aatttactac atattagtac tatattcgta aggatttttt attaaccatt acagatttta 120
caaacagcta gttatatggt aaacagatta ttatgccttt ttgcaattct gaatatgatt 180
ctagtatttg tgtagatgta tttggtactt tttcccctaa ttccaacact agtttatata 240
tatagcgaat aaatctagtt gtataaattt ttaaatgccg tcagtagaaa gcacacaagg 300

ttatgatttt tttaattact ggcttctgat ttctttcact tctgatcctt ttctttttct 360
canatgtagc tgagtcttga tcattttaag acaacgatgg gtagaatttg agaataatgn 420
taattntcct tttgtaattc ancccttac tatgctttgc cagaagatca gaatctccat 480
ccttgggntt nggataacca tgt 503

<210> 3224
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3224
nacctggata acccgntctc gaaggggcgg cggcagcggc aagcggagga ggcggaggcc 60
tgngaggggg cctgngaaaa gggctnggaa ggcctgaaca gnggg 105

<210> 3225
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<400> 3225
aaggccccca gcaggtaccg gtccggaatt cccgggtcta cccncgcgtn nttttaagcc 60
ctataacaag ctaaaaaaca ggncaactnt aaacgaaaac cccgaaaact a 111

<210> 3226
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 3226
gaaaggtcgg aagncccagg accggtccgg aattcccggg tcgaccccgc ttccccggac 60
gcnttttaaa ncngcaactg ngtctttaga gctaggggcc acattaancn ttgcactgnn 120
cagcatcngg ctntatggaa cnnaagtnta ccaaatataa aaagaaactt ctgcttttaa 180
aaaaantata tatatatatn aaatncgaaa ccngcatttc tcccacggca atgnaagaag 240
tagggcgggt ga 252

<210> 3227
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 3227
tttngcaccc aagggnatgc tggcccgggg ggagctttag gatcaaagcc cgcttnacaa 60
gacgacgaac 70

<210> 3228
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 3228
ttttcgccgc cgtctccctc ccttgcccgg ggngcatttn gnccttttgc ccgcctggcc 60
accgccccta ggggccccct ttctgccctt cccgcacccc tagtggggct ttgtctcggc 120
gcccagaaaa tggcgacggg gcccctggcg acccccttccc cgaggacagc gccggactcc 180
gagccctcct ctcggagccc cggccgcggg ccctgcgcca ccccctgccc cgtccttgac 240
ccggctctcg cctccgcttn tgccccttga aaccttggcg atcctatttc gtggactcct 300
agatcggccc tgctacttgc aaagggtatg ccgggccagg gaaaccaggg atcggcgccc 360
gntctctggc agntcctggg ggcacttagg gaaagatgcg gatgcaagcc ttgaactggc 420
actggccagn ggttcagnct tcactgcttg ng 452

<210> 3229
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<400> 3229
gcggccgcac ancaagaatt nagngaaggn ccccctgnag gtaccggtcc ggaanncccg 60
ggacgtccca cgcgaccttt ttaaacgcaa atntaacaa 99

<210> 3230
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<400> 3230
ttttacgcnn ccgggtgtgc tgcttgattg agggctcctt agagggggag atacacacgc 60
acacacacat gctcaccccc gggctgcacc cctcacctct gccacagcac tgagggcctc 120
ccccgcgttg ctgttctccc aggaattcca cggcctttga gtacctggag gagttcccca 180
tacagatgct ggcccagctg gagacactca cagggaggaa ggcaaagcac gggctcttcg 240
catcaacatg gaatatggca gaaatttctc tggccccgac aaggacgtct tctttgatga 300
ccggnctgtg gggcacacag aagatgcctg gcagtctaac tttcttcatc ctgncatcta 360
ctactataga tacctnccca ccggngagca ggtctctgcc ttccccaacc tgngggctcc 420
tcaaaactna ccgctgcaaa 440

<210> 3231
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<400> 3231
tttcataaaa aaataagagt ggaggaatag ggcaatattt tgccttaggt aaccagatga 60
attgcaacca ttaacatctg aggcaacatc tgaagaggaa gtgcgttatt gggaaatatg 120
ataaatttaa tttcattgca tttacagtgt ctgtgggaca tcagctggag gtattcaatg 180
aatgtctgga tatagagcaa tgtctcagaa gaaagtctag aaatagtgct gtccaataga 240

aacctactgt gaccctcaaa tgcaaattat ttagtacatt aattacgttt tatttaacac 300
aatatatcta aaatgttatt tcatcttgta atcaatacaa agttattaag atgttttctt 360
gccagatctt aaacttggtg tgtaatttta tacttagcac atctcaagcc atatgtcaga 420
tgctcggtag ccgtatgtgg cttggggact accgnatggg acagtgccgn tccagaatat 480
ggtaatgggg angattatac cttaacaatg ggcanttgaa anactgca 528

<210> 3232
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 3232
gaatntttaa aaacaggaca agcactacaa gatacggggn ctanttaaaa aaacaaaa 58

<210> 3233
<211> 179
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<400> 3233
gnngaagatt taagataact aagcacnnta aacttgtagg catctaataa attagcctta 60
aaatntataa agcaaaaata taactacaag gagaaattgg caaatnctca cttacagtgg 120
gagaattgca tacngctctc agntaatgan aggacaagca aacaaaacta gnaaacata 179

<210> 3234
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<400> 3234
ntaaancatt aagcggctgn taaaagtggg ncaaatttna gggggctgag cctggtggct 60
cacatttggt atcttatagg ctataaatta gagctattcg ccaacnccctg ancangccag 120
gc 122

<210> 3235
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3235
cgatttttt caaaggttaa aatggaccnt ggtttgnaaa ganantttcan tgg 53

<210> 3236
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<400> 3236
tntgngaccc cagatggcat tcncaaaacc ccttcgagaa ggaacccagg nacncctgca 60
ggcaccggtc cggaagnccc gggacgaccc acgcttttcg ctnttcccan cngaggggan 120
cccaggngcg ggtcaaaaaa gcgaaccann cggacaggga cacaaaccna gacagntang 180
aacgctgaga gaggantgnc aacaagcang gcgagcccac ggncacacng gcaccngagc 240
ngacccncga nagncccanc gaaactgagg cgtgccngca ggacagngag caggccctca 300
ggagccaaag ggatgcaagg aacgaancct ggataccaan gaggngaccc acgaagaaca 360
cagatgaaac aangancaac cgagngctag gggcncacag agacaacanc ccggagagna 420
taa 423

<210> 3237
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<400> 3237
gaagaagcaa gagaccangc ccaatgangc caagaacatc agggccggcn tggcaagaan 60
gaatgggagg actgacggaa nggatggcaa ccaaccgaag gcggacacag gacgcnagga 120
catnaaagca 130

<210> 3238
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 3238
tattggaaaa acgngnacnn atccgngaaa acccctnact atatttgagn cgaaaggtcc 60
cccngcaggt accggtccgg nattcccggg gcgactaac 99

<210> 3239
<211> 118
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 3239
ncccggaccc acacacacct agnggggaaa aaganccgng cccacagacn attagacaag 60
agataacaca gggatacacc gagaaaatat acccagagag atacagnacc ccaacagc 118

<210> 3240
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 3240
anggcagcga gcngggagca cagacccaga acgaagacaa gaacgaccgg nacaacgcca 60
acggagctca agaggcgaac aagccgcaag acaagnngga cggaaacann aaaaaa 116

<210> 3241
<211> 139

BNSDOCID: <WO___0122920A2_I_>

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<400> 3241
ataagctaag tgagtagngn ttncnaacct gaagaccacg ncacagctcg tatgctgatg 60
gtcatttgca ttaagatgaa caatttctaa aaacatacat aanaaanagt ancaatcaac 120

tgagcaaaaa tangggaaa 139

<210> 3242
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<400> 3242
cacaacacct accacaggga aaaccgcnac gcccgcaggn accggtccgg aantcccggg 60
tcgacccacg cntttcngcc aaacatggcg gggcaggacg ggggg 105

<210> 3243
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<400> 3243
ggacgcgtgg ggtagcccca agaaggctgg ggctatttac cagggtagaa aaaggagctt 60
acctcccacc tttggtccta agtccctgcc ccctcccctt cacaccataa ctaggtaaca 120
gtttgataac tagggaagaa agcagaacag ttaagcagcc gccacatccc cgctggctgg 180
gggcctcact ccaggaaggg gctggactgg ctgtcctttc cagtggcctg gctccgctgt 240
gtggatgggg agatcggggc cagaggcaga accctggtga ggaagctcca gtcctgctct 300
ctacccagcc catcttgcct ccatggtgcc tctggaggcc tctgggcctc ctctaacagg 360
ggctggtggg caccaagagc caatggagta gacccctggc tggtaagggc caagtcccac 420
cggttgcttc tgggaaaggg tttctaacac tagtctgtgt gctggggntc ctggggtgcc 480
cttcactggc cttttggtna ataacaaggg ccttgnttaa nn 522

<210> 3244
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<400> 3244
ggggcatgcc aggacagctg gttccaaagt caactgcatt ccctgccgag gagccagggc 60
tgaattcttc atcacagcct ggttatggct taggcattat aaatgatgct gtgctgacag 120
ccaggtggac agcctgccta actggatgat gcttcatctg tcctgacagg gacagccctg 180
caaatagaat ctgagggatg gcagacctat tggagtcatc gtgtcctttc actgagtctg 240

gtgggactct cttccactca tcttanactg gaagatgcct gnctttttc tttcttataa 300
gtcttcacag agaaagggag ctttttccca agacacactt tatttttctt ttggcaatgg 360
ntagtgcaag ggttaaaaag ttcttgaagt caaat 395

<210> 3245
<211> 142
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (142)
<223> n equals a,t,g, or c

<400> 3245
antaattttt atgatcttct nctatttnga aagntggtac ccctgnaggt accggtccgg 60
aattcccggg tcgacccacg cgtccttacg ggcgagggca tggacgagat ggagttcacc 120
gangtgggat gtgntaccca nn 142

<210> 3246
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<400> 3246
gttntagttc tagatcgcga gcggccgccc ngnttttttt taatttttt tttccntttt 60
tttggcatca ttaacatttc atttgaaatg catattgntn ttgaa 105

<210> 3247
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<400> 3247
ggggtnggtc tcttaccctt gatgttttgt tttnttccat nactaaaata tttggtggac 60
ttgaaagtga ccttgtcctg atttcagaat tagaaattta gtgagtgttt ttattgcctt 120
aggcagcact tgcttaatgt ggatgacatg tcaatggcat taaatcacca ttgagccaca 180
ggctgtgaag ggagccagtc agcatcagtt ttctgactat tgtgcctaag aaactcaaaa 240
agatttgtgc tgcangcatc ccgaaggatt gggacccaca tgggccttga tgtgcgtttc 300
tgtaggccag agcccagcca aggctcctgg catgtttttc ttcacctttg caggctaaca 360
gaaatgtctt gattctcttt caaatcaa 388

<210> 3248
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (533)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (602)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (622)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (648)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (653)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (665)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (668)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (670)
<223> n equals a,t,g, or c

<400> 3248
naacctgngn atagcttaga aatagccatg ctggagtatt atgtccagaa ggtaacctgc 60
taatgctagc acgcntcgca nacactacga aaggctcgca cagtcaacat ggtagtgtat 120
gccnttcaca gccaacacgt ctatacactg gggacttcac cagtcaaaat actccnggtg 180
cnttaaaatt aagggcnttt aattcaactt aagcggtttc cgaataaccc aaaatttaaa 240
tcaaacggtt taatttttta cggagnngac cctttactan gggaagggcc ccccaatttt 300
aggacccntc naaatatttn gggcctttaa aggccccaaa tattttccaa acccttaaa 360
cnatttanna aatttccaaa tttgggaaaa aatttataaa antanncaaa tttggnaaaa 420
tgggggaaac nntgggnttt aaaaanccgg ggaaatttgg ggggggnccc cccttaaagg 480
gggnaaaaaa tttggggaac tcccccaaaa ncaattttta ttgccnaccc ttnntttcng 540
gggggaaaaa acccaaaccc ccnaaatttn agggggnttn ttaaaacccc nnccccccaag 600
gnggggngcaa acctccggcc nngtttcctt tgggaaacca aatttttncc cgnggggtttc 660
cattnggncn ttgggaaatt tttaagttt 689

<210> 3249
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 3249
tccactnctg tnggnacngc tgcgnaattg ccgggtccga cccacgcgtc cggagggcgc 60
acccctgagc cctgggctct gcttggcatg cccctgaacc ccgtttcctt cacagactct 120
ctgggactta gctccttgga cagcaggccc cccacagtaa ctgtgtctgt tttctttgct 180
gctgagctcg tgcacagaga tgatggctga tgcctccttc tccctcaggg tacgggtctg 240
gcacgtgtgg gctcctggta atgccagtaa tggcctctgg gtagagtagg gtcacgtcac 300
tctgagagaa ttccccattg tgcctacaga ctcacccctt tctttccctc ttctgntttc 360
atttccttcc ctatattcag acagacattc ataggatgga catagaaatc atnttaatga 420

cngaaaagac ttttaaggaa ctattcactg nacttanctt gtaccaaaca nc 472

<210> 3250
<211> 699
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (683)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (692)
<223> n equals a,t,g, or c

<400> 3250
ncggacgcgt gngtagtgag ataagcagga cattttacaa agaaacaagt agctgttcaa 60
tagatttcca tgaactctga gcacagccaa caatccccgc cccccactcc tccctacccc 120
caagtgttac caggcttcat tctttagngt cattccagtc ctncactaaa tttccattag 180
ttattaatca tctaaagctt ttatctaaag tttaccattt atccttctgn ctctggccct 240

gnattcccct actttacaga gatatattta aaaaactgnc acttgtaaaa gcaaacagac 300
aagtgggata gaatactnaa aagtcangan aatagaaagc cttttctgaa attgaatcac 360
cttctaacag ctatttctaa taaaaaatgt attaagaaag aaaggggaa aaaaaggctt 420
ggatcccgaa agacagtttg aatcataaca gtgcgagtgc gagacagaag acaatcactt 480
tctactctct gctngtcnct aaaggaattn cagttaggta ttcaagaatg gaagaacacc 540
gagagtcagc cgttcttctt tctctttaaa acaaaaacca aattcatctt gggcatggta 600
tcaagttgnc ttgaatgtan aagggaaaaa aaaaggcant ttccaaggca ttacctaaaa 660
atcaactctt tccatttaaa tgnggggcca tnttggtaa 699

<210> 3251
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<400> 3251
agggctccag gaacacccca cgtccgttct tctggaccac ancgccctng actgtgaccc 60
tnagcgacnc ttctgtcctg cnctccgaac acacagcgct gtcctggaaa actctgcaca 120
cgtgtgcaga ct 132

<210> 3252
<211> 133
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3252
gnatggttgt cgaagccaan ntgctgcgag cactcaggcc tatgnaagaa accaagggaa 60
gacagtggtt ngtggaccaa aagggctgtg aagcattcct gggcatgtgc nccaagatnt 120
ccacntcttg gaa 133

<210> 3253
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 3253
ggntggctga agtgtacgac cttgcggnca gnaaaccagn tgacattgaa ngctca 56

<210> 3254
<211> 158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<400> 3254
aagcaatcct gccttancgn cccaaagngc tagagtgatn attacaggca ttgaaccacc 60
atgtacagcc caggattagt ttatantctt tggttgaagg nctctttttg agacangaac 120
ttactcagtt ncacatgctg attncctaaa tgcaggtg 158

<210> 3255
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<400> 3255
gagaaaaaca agaaaagtgg agaatcttct tctnagttga gtcaagagca gaagagtgtc 60
tttgatgaag atctgcaaaa gaagatagaa gagaatgaac ggttgcatat acaatttttt 120
gaagctgatg agcagcacaa gcatgtggaa gcagagctga ngagtcgact ggtcactctg 180
gagacagaag cagnccagca ccaagctgtg gttgacggtc tcacccggaa gtncntggaa 240
accattgaga agntncagaa cgacaaggtt aaactagaa 279

<210> 3256
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (591)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<400> 3256
gtccagaaaa ataaatatgt gcttatttat ctcccctgtt ctgggttgac aacagagtgg 60
ttctcctggt agcttccaga taccaaatcc ttgggcgtgg aagagcagta aggcaggagt 120
aggggagagt tgggcaatag aattaatata agaaggttct gatctctgta ctcttttggt 180
gactaagtcc tgaaaaatat atttgccatg tctcaaattt gttggacttc tgatacagtg 240
tggcttaatg ttcttgctct cgctaacagc aacattttac aatcagtgtc gagcttggat 300
ttggcattat gaagtatttt gtttgggggg cacatataga agagctactt aggatgaaat 360
agaaggtatg acaacattgt agtttgtgca tatcaaatca tcagatgcca tgggatttga 420
gagaagtggg agagaaaagt tttggtgtga ataaaactgn aataatgtgt anagctaaag 480
gaacagtggg agacaacctg aantagaaag tgtttcacag agaatgctaa ttctggagcc 540
tgagccacta ctttttttt ttttttaaa cnggntngaa ccagacttta nctttctgna 600
aaacttttaa aaacctcttg gatgccttg 629

<210> 3257
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<400> 3257
ncattcgcct tttctaggat tgcatttccc aagtgctatt gcaataacag ttgatactca 60
ttttaggtac caaacctttt gagttcaact gatcaaacca aaggaaaagt gttgctagag 120
aaaattaggg aaaaggtgaa aaagaaaaaa tggtagtaat tgagcagaaa aaaattaatt 180
tatatatgta ttgattgnca accacattta tctnagtaga actgaattgg ctcggaaaaa 240
agaaaaactg catgttaatc attttcctaa gctntccttt tgaggcttag tcagtttatt 300
gggaaaatgt ttagnattat tccttgctat tagtactcat tttatgtatg ttacccttca 360
gtaagttctc cccattttag tttcctagga ctgaaaggat tcttttctac attatacatg 420
tgtgttgtca tatttggctt ttgctatata ctttaacttc attgttaaaa aaaaaaannn 480
annanaaaa 489

<210> 3258
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 3258
ntagaaatgt actcaagccc tatttataaa caaatacttt tctacttgaa gtntaacnct 60
tacagaacat cacctgnaat ggccacncac actgtatgtg tgagtcatan 110

<210> 3259
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 3259
gnttagccca ccaatgccaa gacaaaatta tttttcttat acttattttn tattaaacan 60
aatgaaaaag atccttttca aaaaggtgat cctgaaaata aaactaacac tccagtattt 120
tgtcattgtt tttcgcaatt gagctatctg aaaactgtta ttcctaagta atgttcaaaa 180
atgataagta atctggatac ctttttctta tactttctcc taggaaaact ttaaaacttt 240
aaaaaggcaa acctaccaat aggaataaca aattaaatgt caagagagta tatccaatat 300
taggatataa aatgtatgtg tctcaagttt aactctacaa aaatttggta cttgttttta 360
aactctatat ataaagttcg acttaatcat gggntgttnt aagaagtctt ttggagagca 420
agaacatttt tgcntttctt aaaggggggg gtttacttgn an 462

<210> 3260
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<400> 3260
gcatttctat atcgtctctg cgttacatac tcactgagca cttttagaag gaaagggtaa 60
ggtggtagag tacaggatct agttgtatac aaaattggtt ttctcatcca tttggagaat 120
ttttatttttg gaataacaga tgaaatgatc aggtttgttt atgatgaggg ggttatttgt 180
ggtcataaat tcaaatgacc ttctttattn nttttctctt tgttgacatg tttctcatat 240
gagataaatg gccttttgaa aggtacctac cttagcatgt gccacagtat gatgtgttca 300
tgttgatata cataagcatt tnctagtctt aaggtctagg ggttatgtaa tattggattt 360
gcctnaaagt ttttgaatta cacataccat attctnaaca tttaaaaatt aaataatttt 420

gcttatatat ttgattatta tgttgggnga gnactcctgt tatagagtat ttattgngnc 480
ag 482

<210> 3261
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 3261
gtcantgtct taattgaggc caccagatac acacatgaga atataaataa cggcttgtgg 60
caataatgac taaatgccaa ggagtggctg gtaaaccgng gtgttcccta gagaccccgg 120
cctgggctct acttaggctg cctcttggac atcagaccaa ggcttacatt ctgaatccac 180
agggcatcca catgggtggt gtcagtcccc cacagacaga gaagtgtccc gttgcatttt 240
tccatctatt ccagtagtaa gattgtgtca tttgagattt tctttaactg tataattgga 300
cgtttaatta acaaaccaga gaggaggaaa aacaatgagg tgggtagagc atcatgttca 360
gcctcagggc tgtacagcaa agcaatttta gactgcggat gttgagtctt cagttaccct 420

gagtgccagt tacagtgatt cacatctgaa agaacagtct tgntgagang gacagtncaa 480
ngtggatngg c 491

<210> 3262
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3262
ncccccctgaa aatactacta tatttcaagc tggtacccct gnaggtaccg gtccggaatt 60
cccgggtcga cccattngcn cgctttnaaa aaaaaaaaaa aangg 105

<210> 3263
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<400> 3263
ggaatctttt aagtgtggtg gtaaagattg caaaataata aaatgacctc tgaatttaaa 60
atttagaaaa atatgtcttt tctatattga ttttacaatt tggagaaatt tctcttattt 120
tttatatttt ttcttttagt gggagaagtt tagtctacgg ttttttattt ttagtcacca 180
agctgtagcc aactcctggg tcattttctc tgaaaaacat ttggagatca tgacaagttt 240
tggattaaaa cattctgtta ttttgcatgc aaactanntt actgngntcc agactggcca 300
annnttggna cccntatcaa cacntgcccc tttagnggct ttcataccat taccaccagt 360
accagaaact ccaggtggcc caagcttaaa gtaaaaatcc taaagcacat tggcttctcc 420
catgcaatgt gctgggtcca aaccatgctg gtaaatatna naantcctat ggttatgact 480
gactaatgac aatnatagcc ccaaaataca tatttttgat actatttaan ccaaga 536

<210> 3264
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<400> 3264
ggnggaacct ggctccggca gcccagcccc gcgccctctg cctggcccct gttcctagat 60
ggtgggcatc gggacgtcgg atgtggacct ggacaaatac cgccacacgt tctgcagcct 120
gctgggcagg gatgaggaca gctggggcct ctcctacacg ggcctcctcc accacaaggg 180
cgacaagacc agcttctcgt cgcggttcgg ccagggctcc atcattggcg tgcacctgga 240
cacctggcac ggcacactca ccttttcaa gaacaggaag tgtataggtg tggcagccac 300
caagctgcga ggacgagagc ctggctggag cccgcgttgc tgttcccaca gggcctcggt 360
ttttcctaac ttgctctgca tgctgtcagc ggctgccccg ccgtcataga cttaaaggac 420
tgcaataaat gtagagttga tgtctaaaaa aaaaaannn 459

<210> 3265
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 3265

aaaagaggat gaaggataag gttgtagcac tgntacaaga cccactggtg gtgacnanaa 60
cggcatgtcc tgggaggtta aantanactg aatgcctaga tattatccta ctgatga 117

<210> 3266
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<400> 3266
gagagtattt atgagagtag antaagatna aggagcaaag gggagagata tataatgaag 60
acacctcctt aatggtctat gtcaacgcta ggtgacctgt cttcctttgc ttcttcaagc 120
ttctaggacc tgtgtgtttt gtttcatttt tggttttgaa ccctcaaaac aacactctca 180
gtttcatcca ctgacataca ctctgtgtgg tgcttggtaa attacattca ctttctcagc 240
ctttgagctt cactttcccc ctctgtgaaa taagcaggtt tttaacctat ttgtattatg 300
gatttctttt aaaatatgat gaaagctgta gactctccat tccaaaaaaa aaaaaaaatg 360
aacaaatatg catacacaaa agattttaca aatccatctc aggaggtcac gaaccaaccc 420

BNSDOCID: <WO___0122920A2_I_>

ctgatactca tangactcca tgggatcttt taagtttcca ggtttaaana acatntnggc 480
aagcattttc caagtanccc atttcacat 509

<210> 3267
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<400> 3267
gcccacgcgt ccggggaaat ggggctaggg aggtgaaagt gcgtggtcac aaaatatcag 60
aaatgccagt agcccagagg gacttgcagg aaaagcgtgc ctaacattag tctcaaaagt 120
ctggatataa ctaaagatcc aggtgaagtg gggtcaaggg tggtcttggg gactctggtt 180
tggcagggct caggcctgac ccgggtgcct attcctgcag cgctggtttt ggttggtgag 240
agttcttctc agtctgttca taggcgcaga aattgtgggt gagtgtgtgg tgcagcccat 300
ggggagagga cggggtgagg aaggaggtgg gcagagggca cctgggacaa tagggaactg 360
gggttggttt tctgctccct cttcccactc tncagctcct tctagggccc acttttggc 420
ccttaccatg caaccacatt ggacctctaa gtncccatct ntcttgcagt gtcccacctt 480
ccataccact ttntaattnc attttccanc ct 512

<210> 3268
<211> 51

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 3268
gatgaagtna ccctagccat catatgagat tgtttgggct nttgntcgca n 51

<210> 3269
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<400> 3269
ggtgggctgc agtgatgact ttggctttct ttccaaaaat gacggcagcc atactgtgat 60
ccctgccccc aactgctgca cagagaagag ggtgaatgcg gcgagggtgg gtggaaggtg 120
ggcggtgagc tgggggggtta tggtgataac ctatgcaaga gatcaaggtt gtggtaggga 180
gcanngnttc tcaancangg ga 202

<210> 3270
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<400> 3270
gcggnnncgt ggggaactgg cttagttttt agaagagtga tcggtctcat taaagtggag 60
ggaaaaatag gacccttaag gaaaatcaaa agatagtgac ttaatttagc tagaaataag 120
gacttaatat ctgtcttcaa atatatatat atggctttgt ggagtggttt ttggaccagt 180
aaggcagctt atttagcata atgattataa agtggnttct tctgctttgc gaactgt 237

<210> 3271
<211> 59
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 3271
ttttgcacct tgtcgaccac tcaggcgcag gcncagggaa ggacnagnga cnccanagg 59

<210> 3272
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 3272
ttttcgccat ctacaacagc agcggagagn tcatcaacaa catcaagtac tacgacggct 60
tcatgggcca gcgggtcggc gccatcagct gcctggcctt ccacccgcac tggcctcacc 120
tggccgtggg aagcaacgac tactacatct ccgtgtactc ggtggagaag ccgtgtcaga 180
taagcggcgt gaccccgggc ccaccaggcc acggncgnct gctgtacata gtgaagctgt 240
cactcgncgg ggcacggngc gtcggctgct gcggncccgc agtgngaacn gttggctgct 300
gccttagctg ctgatgacgg caggagggcc ctgctactcg cttttgtctg tcttcgctgn 360
cgtgtctgga atgtcaggga aggggagggc tcgggttgac cngtggcttc ccactgagca 420
ccagcaatca 430

<210> 3273
<211> 86
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 3273
ttttcgggga tnagagcccg gcagacagag ctctgggnct gaccttagcn ncattcttca 60
tggctgccaa gtgagagtgn ggcccc 86

<210> 3274
<211> 74
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3274
gcantntntc ccgcctgccc atcatcgatg tggccccctt ggacgttttg tattcaatca 60
ctgtnttgtc cnat 74

<210> 3275
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 3275
agngacttca atgnaatctn gctactattt ggaaagctgg ccgcctgcag gtaccggtcc 60

ggaattcccg ggtcgaccca cgcgttntng gacgcgtggg ctattttcta aataaacctt 120
tntaatctaa aaaatagttt ggncgttntg 150

<210> 3276
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<400> 3276
ggaatgctga gttttcttta tcttgacact tgatacatac gtaattcata tatctatatg 60
cttcacgttt ttatagttta ctgtatatat gttattcctc aaaaaaaaaa agaaaaaaaa 120
atcctttctt tctacagagg tacntactac tctacctgnt aatcaccaat ctcaacatgt 180
tnacngaan 189

<210> 3277
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 3277
gcccacgcgt ccgggagggt ggngggaatt aagggtgnta ttnaccttna c 51

<210> 3278
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<400> 3278
ccgggntttt ntggggggtt nttttcccnt nggcattttc aaaaaccaag gttgggcctt 60
ttggggaacc gggggaaaaa ccccctgggg caggccttcc ggttttctct cgcaaacncn 120
ccccggggcn cngnggctcc ggc 143

<210> 3279
<211> 57
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3279
gcatttccta aaggctngag ccggagctgc cgngncangc gtctaacaag gccntta 57

<210> 3280
<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<400> 3280
gtcctcccnt cttacctaca agtgctgacc cttcctgggn tgctgccaaa catgaccctg 60
gatactgtga gtctcaggct gctgggctac caggatcaga atcaagaagg gaaaaggatc 120
aaaatttata gagtatcttt tagagtacta gcatggtcat ttcattacca actttgcaaa 180
ataggtatca ttgatcccat tttatagacg aataagttga gtctgatgga taacttgcta 240
tgtgagggac ccaagcctgc taattctaca cttttgcaca ctctcacttt attgcctaca 300
gaagagctca gaaggagagg gagggagagg gggacgggaa gtagaactgt ccctggggta 360
gaaataaatt ggagtgctgg acatgtgcat taggagccta ctaggctgna ttgcagatga 420
ctcagtatgc aatgggcagg aaggaggggt gaagagagga gtaggcagtt ttctncaaag 480
ctgctttaca acaacatcct gagtgtgaac ataagtgagt ctacatgtnt atctntgnct 540
cttctacaca tacccttttgc aagntgctgn gtggaagttt ttggggcct 589

<210> 3281
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 3281
tgcactttct actncagatc tttaatgggn naacccncng caggttccgg tccggaattc 60
ccgggtcgac ccacgcgtcc gcccactttt aggatggtcc tcttgtactt cgtgtgctcc 120
ganncatggt gacgatgaca caccctggtg gcatgcccgt gtatgttggt ttagcgttgt 180
ctgcattgtt ctagagtgaa acaggtgtca ggctgtcact gttcacacaa atttttaata 240
agaaacattt accaagggag catctttgga ctctctgttt ttaaaacctt ctgaaccatg 300
acttggagcc ggcagagtan gctgtggctn gggactttaa naccaaccat taacaattgn 360
tggttaaagn aatttccggt taccgtccat ttccaagttg gaaaatgctn agtccttttn 420
nttttttttt tttccaattn aaaaaggacc attnaactta aaaaaaaaaa a 471

<210> 3282
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<400> 3282
gggaggagtn tctcctggac catccgaacc tagcctgtcc cggcccgnag cctctatgga 60
ggctcctgcc gggccgtaga gcccttcgcc ccctggggac ccacccgtct ataaggtccg 120
tttggcctgc agcagcctga gtccgtaatg ctgggcactg ttcatgggat cggcccccta 180
tggagccctg tgtctatagg ggactcctac ggtccctagg gttcggcccc gtccataatg 240
actccatata cagggccttc catcgctcta tagggctcag ccctcggctt ccagagcctg 300
tcagcagtgg ccgtaccctt cgccgggact gccgggtctc cgggacctct tcgatctaca 360
aggtcatgtt atgcctatag aggtcgcatt tgcagggcct caccccgggt agagggtcct 420
cttcaggttt ttacggcctg tccccgctct aaagggtcaa gtgcaaggan gcggcnaatg 480
gcccttgggc aaaggttctt ggncatgggg aactgggntt ttgggccttg ggcccgtgct 540
gggggtcn 548

<210> 3283
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<400> 3283
ggccaaacct taaanaaggt tncaagggtc cctaaatntn tttgggaatt tttccagggg 60
ggaagaccnt taacaccctg ggaaaaaaaa aagaatttgg gaaaaaccac ccgggaacca 120
actnggggggg gccttaantt taataggggn aggcggggn 159

<210> 3284
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<400> 3284
atggctggga agaaanttca ccncccctgag cttttctgac cntgaaatng gcagggcaca 60
tgacacaccc attttataaa tgggcatgnc cattttgata aaggaggaaa gaagttcaac 120
tcccncttct ncaaagtcca gggccttggg ctccacagcg aaagcctncc cnatgccccc 180
act 183

<210> 3285
<211> 174
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<400> 3285
ngattnaaaa agctcaagan cgcngaangc tgggttttta caaggatatt cggtatttga 60
tgaaacccag ttaggcatga catattcccc ttctccccat tcctacctct cttttattaa 120
aaattttata gttacagtgt ctatgttgcc cagccnggnc nngaaccctn tggc 174

<210> 3286
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<400> 3286
aggaaaacnt gcactataan ntcgggnaag gtactcctgg gggtaccggt ccggaattcc 60
ngggtcgacc cacgcgtccg tttacgcgtc cgggcggctg cggaggcnat gggcctgant 120
nanggccgga gttgcccgga gcctgccacc gctctcagnc agnccgcatc cttctctgnt 180
cttccctccc cccgcctgcc acggngcggg tatccgcagc cacagcccgg ggccggtgag 240
gnggcgaang gggaggggag gaatcaaggg atgagcgcng gaagggcgtt gggggccctg 300
agcngtacta angacg 316

<210> 3287
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3287
gannnttagg cccggcccct ccccgcttcc gcacagggac cgggaccggg accgngagcg 60
ggagcgcana gagcggagcc gggagcgaga caaggagcga gaacggngac nctcccgctc 120
ccggnaccgg 130

<210> 3288
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<400> 3288
gggcttttgc catttttaa aaaggatact ggaaacggaa aaganatgac attcatatga 60
acaatgcatt tttcttatta atataatcta tttttgtatt ttacttaatg agctttaagt 120
gcctgtcgtt ctgaaaattg tgtatttata attcagctta tctcacaatt ggacctaata 180
gcatttcttt gtgcagttag gtgacgagca ctgctttgag gcccaagcac tagtagagat 240
gcgcgataca ggtctagttt cggtaactgt tccagacatc aagcaataaa aaaatgaata 300
ccacaaaaga tgtttgattt tacagtggag ccttactgaa ccagcattca gaagtttaag 360
gncctcctan gtatgagtat ttttagtagt ggatcactgt ggcagggtgc aacttctacc 420
agttcctgnt tcttctgagc cagaaccctt tttcagggaa aggggaccca attaatttta 480
aaaacctcac cttgaagcac aanttggcca tgggggcttg ggantaaagg tcctattttc 540
naccctggta actttnccaaa tnctgggaac ccccag 576

<210> 3289
<211> 115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<400> 3289
ngaagtgnta gatctatgaa agctnntacg ccctgcaggg taccggtccg gaattcccgg 60
gtcgacccac gcgtccggga gttntgtgga aacctcccct ctcagcggcc ngggn 115

<210> 3290
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3290
gggatttggt gtggaaacct cccctctcag ngggggnggn gatnaaactg antaatac 58

<210> 3291
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 3291
gtgctgcttg tcagacattg ctgtctcttc ctgtggattt taattggaga aaatatatta 60
ggtgactatn ntagagctga tgaatttgca gatcaatctc ctggaaacct cagttcttca 120
tccctnagaa gaaagctgtt tttagatggg aacggaagca tctccgactc cttaccttcg 180
gcttctnccg gaagtcctca cagtggtgtt caaacatcac tagagatgnt ttattnaana 240
nnattggnnt nttgaaaang gaaggaagcc cctngcagac accaagttcg gggcagtgnn 300
cttctagccc tatncaggct aagtgcaaaa aaatacagct tgggaagcat aactagacct 360
tcgctatttc ttcacccact ttntnaccaa ttgaattcag ataggagaga ctccactctc 420
agaacanagg aagnttactg gncattct 448

<210> 3292
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<400> 3292
nanagaagac ttnttgtaga ccccccttgaa natacgnaaa gctggtacgc ctgcaggtac 60
cggtccggaa ttcccgggtc gacccacgcg tccggctttt ttagatattc ttcctttata 120
ctacatcaaa acttgataag ttgcaatgta natnactggc ccagggcttn gccatctgaa 180
gattnggntg aaaaacactg acatgaagtn agattaatag gataaaaggc atatacattn 240
atttaatgtg aatacacagc ggnctttata atgaanaccn aaagatacag aa 292

<210> 3293
<211> 308
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)

<223> n equals a,t,g, or c

<400> 3293
gnnncaatcn tcctttgtca tttatacttg catttgcctc cttttaccct aaccaattnt 60
tttctctcat gtgcatatat gtattccctc tttcccaaca ctggcataat tacttcaaat 120
aattattcaa tcctatcact ttcatttnta gattttcctt nttgggggga ggaggattat 180
tntctttata aaaatgntaa caaaatattt caaacttgca gaatataacc aatatccatg 240
ancctatctc tcagaattaa tnntttaaag aaataaaaac atatatnagg agtctccttt 300
ggacttna 308

<210> 3294
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 3294
aaantactaa tactcatttt nanggngggc taagaatatg aatagaccat ntgtctatta 60
tataaatata gtgaagaaac atatgacaaa atgttcaacc ttagtcctga tcagaataaa 120
aataaaagta aaataggtac aattttaaag ctactaactt gactacaagg agtagtgctg 180
gtgaggggca gggaggccag aatcgtggtg tatggctggg ggtcgggggt gtaaagagcc 240
tccatccttc atctattcat tatactaaca tacttatgag atatgtattt attaagtgcc 300
ttcaaatgtt tataaccttt ggctctgaat tctacattta ggaactatag atacaaatta 360
ttgacctgat gatgatatta cttaatgggn aggagaagta gctaaatata ttaatagcat 420
gggaaattca tcgaggatna ttaaaagana ttnn 454

<210> 3295
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<400> 3295
acaacttcac ttacttttgg gaaagctggn ccgcctgcag gtaccggtcc ggaattcccg 60
ngtcgaccca cgnttcntnc agcgcgggga gcccgtcggt aattntaata ttttattata 120
tatatatatc tatatttttg tccaaaccaa ccgcacatgc agatggggct cccgcccgtg 180
gtgttattta aagaagaaac gtctatgtgt acagatgaat gataaactct ctgcttctcc 240
ctctgcccct ctccaggcgc cggcgggcgg gccggtttcg aagttgatgc aatcggttta 300
aacatggctg aacgcgtgtg tacacgggac tgacgcaacc cacgtgtaac tgtcagcccg 360
ggccctgagt aatcgcttaa agatgttcct acgggcttgt tgctgntgat gttttggttt 420
ggtttggttt ttgggctttt tttggattat aaaaaaataa tctatttcta tgagaaaaag 480
aagcgtntgg atattttggg aatctttccg ntnaagcatt anaaccttta ataaactttt 540
ttgaaaaggn tccaa 555

<210> 3296

<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<400> 3296
gagaatgtgc tggagctacn nagccgagat ggctctgagt acctgatcca gcacgactcg 60
gaggccatca tcagcacctg gcataaggcc attgctcagg gcatccagga gctggctcac 120
tggtggaggt aaggagagtt aacctggtta agggaagaga ggactcttcg ctgagggtct 180
ccaggccatg cctgttggga gtgcatttcg ggtcccttgc ccatcctgga aggacccgca 240
nntggctcaa ggccccgcct ttntgaggct atggnaatcc antccgcaaa 290

<210> 3297
<211> 121
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<400> 3297
agcanaaaaa tgcactangg ccatgggagg attcagtgct aaancaagaa tgatanaaaa 60
tagtctcaac ttaaaggccc ttacccaaat ntgaaaatgc tgaagaatta actntaaatn 120
t 121

<210> 3298
<211> 182
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<400> 3298
taatancnac tttggnccat acctttccgg ggtgtgtttg aggatgccct ctaccatgtg 60
ggccttcccc aggagatgan cctgttaagt gntcggcagt aacctactan ggnccttcgc 120
ctcagcagca aatcttgcta ctggctctag atctgcgggt tnccctntac cctgcctccc 180
gg 182

<210> 3299
<211> 359
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<400> 3299
gggtttntag ncacatcctc taaaattgat ggaanagcaa gactttatgc cttgacatan 60
cccnagtggg agccagacta taaggaataa aaggaaaaac tttcttcctc tctctccaag 120
aggatatggg aagcttctgn gagtgcatag gatgggggct ggagtcattc ttagctgntt 180
cccttcctct gnccatatac tggatcacct caacataccc tggtgnggct ctaagggtaa 240
atcagggata gggccaagga gaaaacaacc aagaactctn tcctgtaata agcaggatcc 300
agattgagaa agtcnagcga atataagagc aaaagccatt taaaaatcta tataccnnn 359

<210> 3300
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 3300
aacgaaggca cagaccgaat caaggagagn ggcgatanac tagaaagcaa gagaaaacaa 60
aatccgaggg ngatagggat aagcatgggg ncaagnacat ggatatgagc ataccgctca 120
caggggaaga ancataaccn tgagatgatc acaactggg 159

<210> 3301
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<400> 3301
tnccccttggg aagaaacccc gggaagcaac gaacgaagtc tgggngcccc taagnaantg 60
gccccccgggg gnccctggga acaaagctaa cgctggggca atggn 105

<210> 3302
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<400> 3302
ccacgctttc ggttaagggt ctctgggaac tgacctttt aactataaga acacacaaca 60
gaaagttcag cggattatgg aggactgatt tcctcatcaa cctgtggtta ttgataaaag 120
cttcttcagg gtgggtcctg atcaccccag ctgtttccat acaactgtgg ttcacttagg 180
tgtcatgggc atgcacacat tttgtccaag ggaaataaag taggtgaaaa gcagtttaga 240
tactttaatg gatacattgg gcagggcttg cccaaaactg ctttnctcct tgatcttgag 300
tgaagctaca acacaagngt cggggaaagt tcagaaggca ggcatttttt acttaagctt 360
tctaaagggc tttaaattcg naacattctt aaataaagga tataaagggn 410

<210> 3303
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<400> 3303
tttngcctca gnctccacat ctgcctgttg cggtcctggc tgtggggtct caggataagg 60
acatagcccc ctggaagctg ggaaggcccc acatcaggcc ttgcagtttc taacccagga 120
ggtggccgac agcagtgcgt cggggctgcc tgtccctgca cacgaggccc tgggggggtga 180
atggaggctc tccctgtttt tgttagcatt ggaggcctga gcagggctaa cgcccaaccg 240
ctgcttaagc gcataagatg ctgagatgga aaacgtgttg catggtgtaa accatgcaaa 300
gccctcccag ccagtgcagt gatcgaggca gacagaaggg aaaccgctct gcaaagagag 360
gctcggctct ctctggggta cacagatcac ccagactggg caaagctct 409

<210> 3304
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 3304
ggagccttnc cctggcgggg ccccacctct gggaanccnc agcgcctgca agatttttc 60
ctctcgtgac agggagcagc atgcggaggg cccttgcaca acctgggtct tcaggaagga 120
cagtttctaa ccagagttct ggtaagcact ggtgacattt cacattggct taagcaataa 180
ggaaaagcag tcatctcacg tagcaacgtg gcttggggaa gggagtctcc agtttcatgt 240
attcggagcc tcaagaacaa cgttgaagac ctggattctt ctcctgtttt tgcagttcct 300
tgcccaggtg ttggcccagc tctcttcatg gttccaagaa ggctgcccca ggaaggcttg 360
tggacagaag ggagaagcat ctcttctcta tgnctctttt tatctaagaa accaggtttg 420
accagcatcc ttcccttanc ttcccaggag gaatgcccgg atccccttng ncttncccat 480
cccttcatgg gntgactaaa ccccacta 508

<210> 3305
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<400> 3305
ngaaaatcnn ccctantttt tgggggaaa aaaaaggccc ccgggtttaa ccggcctctt 60
gggcaagggg gtnacccccg gggtttcccc ggggaaaatt ttcccccggg ggtttcggga 120
acccccaacg gcccgttccc ggctttcccg gccggaataa caaagtttaa agggaatggg 180
gcttggtaaa gtaacccttc ttggcttggt ttggtttggg gggggggtt ttggtgggaa 240
nccgcttggt gggggaagcg ntccaagccc ttggggtggt nngn 284

<210> 3306
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<400> 3306
nnttcgcagg canaggggta cctggaggag gaagggccgt gggtcacctg cagggcgggc 60
tcaggcctcg cggctccgcg ggccgcccac ttgggttggg gcacagcgcg agtctcgcgc 120
acgtggcggg ctgtggtgcc tgtcgttcga gttcgcatag aggggctggg cgggtcacgc 180
ggggaacctg ccttgagccc cgcgntgnnc acnccggacc atggcggcct tgggcctggn 240
c 241

<210> 3307
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<400> 3307
annntaatcc tggcctccgc ctgcggagcc ggnggaaccc gnttcccgcc tccacggggc 60
agcgccagcg gcctggtcct ttcaccggca gctccgtgcc gacgctctca ccgctcttcc 120
tatcgccggg agtggcgggc cgaccagggg gcggccgggc taccgtccgn cattcacgtg 180
tctctgcgcn cgcgggggcc gnccgagccg gccancatgc cgctgggcct gaagcccacn 240
tgcagccgta tgcaagacca c 261

<210> 3308
<211> 603
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (548)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c

<400> 3308
naatctttta naatgtgttt gcatgggtat gtgngngtat gattcctgtg tccttcattg 60
ngtctgaatg ttgacagctg agttgttgtc ctgtgggtgt agtatagtgt gttcttaaac 120
atttcaggta tttttgaatt tatctatgtt gtctttgaat cttttacagg gattctataa 180
ctgccgtcat gtaagttgnt acagaaggga ggctgttttt gngtcttgta tatttctttn 240
ctttcagaaa ttacagatgn ttataattag cttcaaacac tgccttaata gcaattggaa 300
gataactgcc gtcagcccga cgngggcttt ccctttactt caggaggaga atgactacta 360
atctggaaca aaggtcttac tatagcagtc agatcaccag aagaagngcc gacacttcct 420
ggcttcatct gaaaatttgg agtcaaggga aaantggaaa gaattgcnaa aataccaann 480
aanttntacc ccatggccat gaaccaaata agaacagata tgcctaaang gataacccag 540
acctgngngg aattgggccg ggaacaaang ggaaacattt gggacaactt aaccggngtg 600
aaa 603

<210> 3309
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 3309
ggatttgaac tgcnccccctg tctccttgtg ggttggccta gaataaaagg gganngctgg 60
ccctttaaag 70

<210> 3310
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 3310
nnaggctgtg ttctaaaact gtgcccacgg gcctgcctcg caggggaggt cttggctgtc 60
tctgccctcc acagctgccc tgcgcaccgc atgccctcca ctcgcgctgg gtgccgaggg 120
ccgggggaga aggcagggct gcctcgggaa gggcgacctt ggccccccg tgtgaaacgc 180
acacctgcat gaggctcccg cgctccctgc tcccctcgcg tccttccctg ggtgtctccg 240
tgccaggttt ttagggagtg ccccccccacc ccggcccct tctgtgttgc tcctgccact 300
tcagtcctct gggacacagg gttgagtccg agcagcagag tattggtatg tctgtctgtc 360
ccgtggacct gcccgcaggg cccacgtttg tggctacnan caccancccg tcttgcggcg 420
gaaacccccct gtgctcgacc cgcttncggc tcattcaagg aatgtgtggg naactgcaan 480
acttgcattn tgggaacggg gaganc 506

<210> 3311
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<400> 3311
ggctgactct ggaaaacatt aggnactnag aatcaagggt tctggggtca gatggataat 60
ngccataatg ctaancaagn ngcnactgga ntnncttgcn cntaaatcna ctgggcattt 120
cattggtaca tttnttgaat tnatgattgt ttgtgagata ctgacacatc cgcacnttca 180
gaacancntg tgcccttgga ttntgtgcac aggaanctag atggncacct gaataggntg 240
atttattctt gnaatacaga aatgtgattt tgagcccaag aataaaga 288

<210> 3312
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 3312
ggatattttt tagttgctta taggtaggtt ttctttttac tcttccacag aaaagaaaat 60
aatagtaata ataataagac aatgtagtgt ggtgttgcag agtatcattg tgagtgtttt 120
gttttgtttt ctgagatgct tagaaaatgg tgaatgtgta acagtttcca actgaagtga 180
aatcatattc tgttagcatg gagcagcagc actatcttcc tgtctactct ctaacggtgt 240
gtgaatgtat gctaatatct atatatatat attaaatgtt ggatttctct atcaatgatc 300
taagtggttt gcagctggaa gtttgtgtgt atgtgtgtgt ttcaggantg aaaantatcc 360
cacacttaca gtgttatttg taatcntctt acttctctaa cagngatna 409

<210> 3313
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<400> 3313
gcacatatgt gatatttatc tctaaataga atgtcttagt tttattttta tcactagatt 60
ttatgtactt tgaaccacag attctttcat caagtgatct taaaatactt tcttatacac 120
agagcccact tacttttctg tgggactgtc tcatttatga aaaatcattg gagaaatctt 180
taatagaaac cttcagattc agaaatactt gcacaatata attagtaata aaatctcgtg 240
tatatatatg taaataattt tattctacaa ataaagtatt tatcttcata atagctgatg 300
gctgctagtt actgtatgct agaggacatc tatcaaccta tgcttaaggg acccaggaat 360
ttatatttta accaactccc tagtatgcag acacctcatc ttgtgctttt aggaaccatt 420
gggtaaaact cattggatac tggnttcacc agttacattt ttgnttttat gaaccctcact 480
ggggaaaagg ttacatggaa ggnggtagaa ccccccanct gnttttaag tnaagggccg 540
taaaggggga ta 552

<210> 3314
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<400> 3314
gctncccgac agctgctcgt tgacagtgtc acagactctg tgcttggccc caatggtgat 60
gtaacaggca ccccacacac atcccccgac gggcgcttca tagtcagtgc tgcagctgac 120
agcccctggc tgcacgtgca ggagatcaca gtgcggggcg agatccagac cctgtatgac 180
ctgcaaataa actcgggcat ctcagacttg gccttccagc gctccttcac tgaaagcaat 240
caatacaaca tctacgcggc tctgcacacg gagccggacc tgctgttcct ggagctgtcc 300
acggggaagg tgggcatgct gaagaactta aaggagccac ccgcagggcc agctcanccc 360
tgggggggta cccacagaat catgagggac agtgggctgt ttggacagta cctnctacac 420
cagcccgaga gtcactgttc ctcatcaatg ggagacaaaa acacgctgcg gtgtgaggng 480
tnaaggtata aagggggggg accacantgg tgttggntng ggt 523

<210> 3315
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 3315
ggtgaggacg acgaggagga caccggagtc tgcancctgg anccatttga ccttannnat 60
tnagatt 67

<210> 3316
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 3316
gatcgaaaag gtggattcaa cagacctttg gatttcattg catgagaatt gaagtgttga 60
aggatgattt ttttcccct catcttggtc agagagtgga ttttgtattt tgtatttaac 120
ttgcattcaa aaaacaggat ctcagttctc ctttcttgta aagtaagaaa atcttattta 180
tgatatatac agttaactta ccttgcctca acagaagaaa ggttaaatat tacatttttt 240
tcttttagga aatatcattt gtggcaggcg tcaaccccat tttatttgtc cttattcctg 300
tggaagcagt atatgttttc ttcctgaatg ctcattagga cttcttaaaa nacatgaaag 360
taatttggaa gtaagtttat ccaataaagc agtatttcta ccctttttaga tttgataaan 420

attttttatta ctaaagaatc tccccagaca ttntcttttt tttntcacac ctnggattta 480
agtatcttgg attggtacna 500

<210> 3317
<211> 64
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 3317
gagacttttg acnnttntta gaggctaacc cagagggtag anaggagaac agttggattt 60
ctgn 64

<210> 3318
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<400> 3318
gggactgggt tcgagttggt cctggctcta tccatggtgc ctggcacggg ctcggcccac 60
aaggtctcag ggaggctgtg cggggagtca ggataggctg gaagcctggg gatggcctgt 120
gtggaggtgg cgtctgtgcc aggcctagaa gtcatacggg ggaggtagca accctgactc 180
tgagtccaac tctcgctgtt ggaactgggc tggccctgtt tcctcactgg ccctgaattt 240
caatccgttc aataaggggt tgggcaagat gatttctgag gtgctatcca tctctgtcca 300
gcttagcctg gaaggtcaag tcctggacac acagacagat gatgggacag cccagcacca 360
ggctcagccc ctggtgggga gcgtgtgtgc agcagctttg gtcctaaata ataataacac 420
aatggtgcca ctaacggaga tttatggagc tcttttccgg ccatgaactt cgtgtncttg 480
cactaatatg aagccattta tctaaaagtc aagttccctt tatnccgnng aaaanatggc 540
ctcttcg 547

<210> 3319
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 3319
accaactacc gggccctgng ctctgtccan gcgcncagct acggaagccc ggacggtcag 60
cagcgnaggt cagcgtctat gcgagntctg ggggctctgg ttccc 105

<210> 3320
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<400> 3320
tgcacagact nctggcntat actcagaata aaatttacat aatgctttac atactcacaa 60
aattgtnntg ataaacatac tnttataatt gttgcaacac cttgggaaat agctggnnct 120
atattactgc gt 132

<210> 3321
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<400> 3321
gcccaggtgg tgctgcttgg ccccaggtcg aattcctgtg ctggcagcaa gcaggggcct 60
gggctgtcgg ctggctgggg ctcatgcagc catccccttt gcagccatcc gggtgacctg 120
cataggttcc tgcggggtct ccaacaaggc taatgacaca gcgtgggtag tggaggaggg 180
ttacttcaac agttccctgt cgctggcaga caaggggagc ctgcccgctg gagagcacag 240
cttccccttc cagttcctgc ttcctgccac tgcacccacg tcctttgagg gtcctttcng 300
gaagatcgtg caccaggtga aggccgccat ccaaacgcca cngttttcca aggatcacaa 360
gngcaagcct cgnggtctat atcttgagcc cctttgaacc tnaacagcat tccanacatt 420
ggagcaaacc caaccgtggg ccttctgcca ccaaagaaan ttcttcctac aagcttggtt 480
naagaacngg gcaancgtgg tcccttnaca agcca 515

<210> 3322
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<400> 3322
gcccacaccc ggcctaataa ggaatattct gaataacttt atgccaataa actcaacaac 60
ttagatgaaa tggacaaatt ctttagaaga caaaaactac cagtgctcac tcatgaagaa 120
ataggtgagc tgaaaaatcc tctatctatt aaagaaattg aattttagtt tttaactttc 180
ctataaagaa aactttagca gagaggggta ggcaccatct ctgctgtttg gtcgactcag 240
ccattccagc ctgcgggctt tggagagtcc aaaagtttca gacaagggag cgtcccccca 300
gcagcacaac atagtggctt tgccagatca tgaccagact gctgctttaa gcagcctgga 360
tcacttcctt ctcactgggc agggactccc agttgggccc ttcagccatg cccactggca 420
catactatgg acagagctct gatctctccc tgggatggag tgccccaggg aggggagggc 480
tgccacctgg gttggatgga tgactcaact gttccaancc tgcangcttt gganaagtcc 540
aagctgatgg ggcagaannt gg 562

<210> 3323
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<400> 3323
gcccacgcgt ccggcctcac tagtggcaag ggcaggagcc actggggaga ggacaagagg 60
cctgagacct gctccccagt ggctccaggc ctcactagtg gcaagggcag gatgaggctg 120
caccgctggg aagagtctat ctaagctctt ggcttggagt cccgtgtcgt ctccacccag 180
aggaagttct ccanagttca cctttccctt ttccttgagt tgtgctgaat gccccacccc 240
agctctcttt cccttctggg tgtctttgct gggangggggc tgngntgtna gccctaccgg 300
nt 302

<210> 3324
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<400> 3324
gcccacgcgt ccggcaaaat tcaatgtgca atttggggaa agggttctct tgtgtgtgtc 60
tcccatttag aggcagatgg ggccagagtg ttctagagat ccagactcta gagctccgat 120
cccatccacc cctcagctgt ggncacacac caacgcggag cagccctcac cctncccatg 180
caattaggac gaggtgagcg cagacgtcac tctaagctca aacttttcgc agtctcttcc 240
cntgnggnaa aaccatannc ntcnagccca aacangggtn gaaaggccaa atctnnanaa 300
aggttgcagn cgagagggaa ggctccctct gcgcctgaan gcccccangt cctcggnttg 360
gggggaactc ttcagcacan ccttctctgg acacccgaag gaagaatc 408

<210> 3325
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 3325
gcacagttcc aggttcaccc ggctgagcgc gctgcccttg cggaggccgc gggccctcct 60
ggtgagatcc cttcacgtcc cctggcctcc agtgtcatct gctctgcgtg atatctccag 120
ggggacctct ctgctgggct ccaggccgca tggctgtggg tgaccagcat catgtcccac 180
cgggtcccct gcagtcccag tgcacctgcc tgctcatcca gggacctgtc ctcactgcct 240
gctgcctgca ctgtgtggaa ggacagaggc taaacgacga agcctcgagc tctggtctca 300
tggaaatggc agcctgccca ccacccacgc ttgcccagcc tttcttcacg cattaaaacg 360
tggagagtgg aatcttctgg gcccaggtaa tgcgcctttg ctccgacatt cccttcacta 420
ctcactggcg agctcagttg gaaattcact cccaatagga gttccacggc agacacatcg 480
tgagtcatgg cagaactttg nctttttaatt gcagaatgtt aaagaaagag tcactcaggt 540
agcaaagatt ggcttttcag gggcgatttt atggagctat taactcagag acaccattac 600
ttaaatgtaa tttttattat tacaattaaa gactgatttt gattttatga aaaaaaaa 658

<210> 3326
<211> 118
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3326
tggactgact atggcactct gaggctggcc tgcacgggct cannccatga ngangagaac 60
cgatcccttg ccttgcccct ccctgtggca gggctnactg cctgccctcc tgcttgca 118

<210> 3327
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 3327
cacttaccat cttgcctttc tccttgctct gatgaatttg aactttcngc ctaatgtgga 60
cgctctggnt nagcttcann aggaaccatg aaccacttac tgg 103

<210> 3328
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 3328
gctagttcta gatcgcgagc ggccnggatt tcattgggtt tnttttacaa tantancttt 60
tggggt 66

<210> 3329
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<400> 3329
gcggactngt gggcccagat gctgagggtc cccatggaca atttgtttca gagaagagag 60
ttgaacagtg gtgagctggg ctcacagctc catccatggg ccccattttg taccttgtcc 120
tgagttggtc caaagggcat ttacaatgtc ataaatatcc ttatataaga aaaaaaatga 180
tctcttatca attagcactc actaatgtac tactaattga gcaacctacg cactcagttg 240
actacgtaaa tctgtcaggt cttttgtgat ttcctctgat gcaggagagg aaaaattgta 300
attgatgaaa ataatgaatg aaaatcaacn gatgaataaa tggttcttta tangtgaaaa 360
ananna 366

<210> 3330
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<400> 3330
ggccacgcgt gcgntatatt cgggatatca cattngaatt attttagatt agaacaagtn 60
gcaacgcaat taancacgga attgcatcaa aganatgnaa catggatgng aagagatttg 120
gccagtgtgc ntgngncaca gcaatnncna ngntggatan acttaagcta atgctaactc 180
aanagactat gcnactcatg acagcgaant aattgagttt aaatcgcata aganctgaaa 240
ttcacngaaa gatggaagat cttccttaac aaganagaaa atataaatgt tgnagatgaa 300
ttanaaatgc acttttatga aattcagtta cnaactatat gaagttaaan t 351

<210> 3331
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 3331
gntcntttn tcttataaac cttttgccta ttaatgctgt anancctact tcttcacagc 60
aaatacccan cagagaaaca tntgaagcca ataaagagag aagaaaaatg acatcaaagt 120
caagtgaatc aaatatatat tcacctttaa cctnttttat cactgctgat tcagaactcc 180
atgacattat taaagatttg gaggattgnt tgatggtggg tctacacact tgtggngatc 240
tnggntccaa atactttgcg aatatttacc tccaactctg aaatcaaggg agtttgcagt 300
gtgggttgnt gctaccacct cttatctgan gaatttgaaa accagcattg agaacgtact 360
cnggaaaagt ggggatttcc aatgggccac tatttaaagg aagagagatg gtgctgnggn 420
cgtaatgcca naatgtaanc atg 443

<210> 3332
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<400> 3332
gattaaaagt gctcttctca tagcacgagg ggaatagctg ggcttctgtc tcagaacggt 60
caccgtggca tttgccttaa ccacgccatg cccctgacct ttgtatttgc aagtcttgag 120
gataattaaa atggggaagt atttttgtgc ctatttggcc ctaggctgaa gagtttcatt 180
ctgtcctgta gtctgaggct aacctaaaca cattaactta ngaaccgacc tgacttctga 240
ccagggacaa gacccantgt gggaggttat tttggattac accagtctgc tttggtctgg 300
gtgtaagcat tgttcgngct ctgaatgtgg nttcaccctg aatcacccan catacaccgg 360
tctcattgnn tgcctg 376

<210> 3333
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<400> 3333
tattattttg ctgactgtgg nttcatnaac acantaaaaa tatagcttgg aaaaaaaaaa 60
a 61

<210> 3334
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 3334
gaacatttct tccctttaag taaatntttt aaaatgngtt tgcatgggta tgngtgtgta 60
tgattnctgt gtccttcatt gngtcngaat gntgacanct gagttgtngn cctgagggng 120
tagtatagng tgnncttaaa catttnaggn attnttgaat ttatctatgt tgnctttgaa 180
tcttttacag ggattctata antgccgtca tgtaatctgt tacagaaggg aggctgtgtt 240
ntgtgtcttg tatatttctt ttctttcaga aattacagat gtttataatt agcttcaaac 300
actgccttaa tagcaattgg aanataactg ccgtcanncg acgtggtctt tccctttact 360
tcatgaggag aatgactact aatctggaag aaaggtctta ctatancact caggatcacc 420
agagtatgtg ccgaacactt tctgnnttaa tctgaaaatn tgagtcatgg aaaatggaag 480
atttgcaaaa n 491

<210> 3335
<211> 157

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 3335
ggtagccatg acatagcttg agctatagcc tttaattcct tactttggct atgggtggag 60
ggtgagtttg aagaggttct gattttcttg taacctggga aagccatgac cttgngcccg 120
attctttnan atngctttgg gtaataaata ttggngg 157

<210> 3336
<211> 248
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<400> 3336
gggacggtgg accctgcgcc tgggaccgcg tccgtcctgc tcgccgcgca tggccgggaa 60
cgcggagccg ccgcccgccg gagccgcatg cccccaggac cggaggtcct gcagcggccg 120
ggccgggggc gaccgcgtct gggaggacgg agaacatccg gcgaagaagc tcaagagcgg 180
tggcgactag gagcggcgcg agaagccgcc nnagcggaag anngngctgc tcatggccta 240
ttcgggca 248

<210> 3337
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3337
gtgacatggn nacacaactg gacacgccag gaanntggca gttcccagac ccancaatga 60

tag 63

<210> 3338
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<400> 3338
ancgcnctgg gaaacgccct taggataagt ttacgctnna acgccctgca ggtaccggtc 60
cggaattccc gggtcgaccc acgcgtncga ggttagatgg gctctgncca cactagncat 120
tacaacatca cggaaagatg aagttagaga cttggtatta ancttggta tgccacttgn 180
attagattca caatcttgta ggctgggcaa gatgcttanc ctgtcatggt ctgcntcctg 240

tnctattcaa tgatgattat tatntacttt ataatatcat aaagactaaa caggctcatg 300
catganatat tttggnagag gagnatggag tatgtaacac ttgacattac tggtactatt 360
caaaaggatc nctgntt 377

<210> 3339
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<400> 3339
cgggaatact cttnggtnat ttcgcgnagg tacccggtcc ggaattcccg ggtcgaccca 60
cgcgnccgac ccttanggcc ttttacgctt aattcctggt gaaggntggg anangaatgg 120
canctgaagg gcggtntnaa aatttccctg ggggggcttc tcactggtct ctactcatnc 180
agtaagggga tctgtgacca tgtgtggggt gggacaggag agacacacgg ggtcctggaa 240
gcnctntgng cacangatgg gagggcaca 269

<210> 3340
<211> 159
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<400> 3340
ttggtatgca acaaatanga aactgataac ctggctnann ctacaattca atggaaccac 60
tattttgttc ccctggtggn tactaacact tccaaaccag cagactcaca gttgccagga 120
caggaagcaa aaagnctgna agccggttat taggngnaa 159

<210> 3341
<211> 152

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)

<223> n equals a,t,g, or c

<400> 3341
ngnccgnagn gattggcaaa ctcccagcgg tttaagggtn taaaagggcc ccgcaggcca 60
ccagggtccg gaattcccgg gtcgacccac gcgtccggat gtgccaggga gtgggtgtgg 120
agacccggac angggcgcag nnanactcac an 152

<210> 3342
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 3342
gataaacaac tcagttaacg tttacatagt aaataattgc attgccttgg gctggaatag 60
ggacgccaga aggtatagga ccatgtggaa ttcagaaaag ggagccctga agaatgagat 120
tttattgttc ttaccaggag agtccaggtg ctagagttct ctccttgtaa gtgactaacc 180
ttctcccttt tggtacacaa tcctcagatg aacggagatg attcattagg ccattctagc 240
ttaatggatg catcactgtg caaccacgca aatgcctcat ttctgattca ctcatttaat 300
atttattgag gagtgctggg tactaggcca ttagaagaac aaacaacaac aacntaggcc 360
tggaccttgc acttgcagag tcacaggcta nanaggcaca cnagntaata tagaaca 417

<210> 3343
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<400> 3343
gggcctgntc tgncgagang agagcagatg gaatgagttg gtgacccctc ttaatctgta 60
gcctcaggga aacacggcta cccaatgcca agatggtaaa ccntcaactc gaagagnaag 120
atcaggacgt atgcttaagg tgnaagggtg aggagnagnt ggtaggcagt atgtttgcca 180
gtgacattga aggtgagaga aacaaaaatt acaaatgaat gatattttct caatnctgng 240
gaagaagtgn tacaggcagg cctttgntct tagagctncc aagatgg 287

<210> 3344
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 3344
ngcaacnaat tgacttagaa ggatacaaaa taaataatan agcagagtgg tgtctgcaag 60
tcttcacagt agactcagag cttaggtgtg agggaatgag acgacacaga tgggtgtgga 120
agccacctgc ctaggagccc cattccccca ggaacacatc cagtttcaag aatgtcgcag 180
tccagatgtg ntgtactaat cacaggtcat aagcagtgtt gcctgtaata tagctgacat 240
tcgacaagat ttctaaggaa acagttntgg aaagttaacc tgtggatgtt aagtcctgct 300
tcattgntgg ncacttangn tg 322

<210> 3345
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3345
ggcaaagatg acngcagcat actgngaacc ctgcgcccaa cngctgacag agaagagggt 60
gaatgtggag ggngggagga aggtggaagg ngagctgggg gg 102

<210> 3346
<211> 156
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<400> 3346
gacatncacg catggaagca tcactgctat atannaggct caccatgnct caacngaatt 60
aaatgtttat accgtagatc ctgagatcag caccggacac tgnanccaaa tnttntagga 120
ggcacatcta cgtactagag atttgcnttc catagg 156

<210> 3347
<211> 280
<212> DNA
<213> Homo sapiens

<400> 3347
cgtccggtga aacctttgct ttctggccta attactgagt taattagggc ctagaccaca 60
gtaacctcca ttcccaccca gagtctctga ttcaactctg atttgaccct agcttgtcac 120
cctgacaccg actccacagc ctttggtcct tggcactctg atcccgaccc ttggccctct 180
tccactggga agtagcaatg ggtggaccgc tgggctgtgg tctgggtggt ctatagctgt 240
ggcctgaccg cacactgcaa caactttcaa tgccccccaa 280

<210> 3348
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 3348
tgtncctggg caaatcccca tgnggaaagc cgggggaagg gaanccatct ttccccccgt 60
gggggnncga gccaaagttg ggtggaaaaa accccattgg 100

<210> 3349
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<400> 3349

gaacctgtan cttgntcttg attgtctgga tgtcctgaan cctttgggac atnagaanat 60
aattgagcaa tgaactggaa ggcttaggca ttcgcttgaa caggaaaccc cccaacctn 119

<210> 3350
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (601)

<223> n equals a,t,g, or c

<400> 3350
gaaaaaatac tgtatgatat agaaatgcca tacccctac aattatttgg gcttttcagt 60
gaaaattttc aatgagtcac atcattttct tccaattttt tcatacagga aaacatggtt 120
atatattata aatgcctcta ccttagtctc tctggtcttt ggataatctt gcatattgct 180
actgaaattt gggagttcct cctccataca gcagagtana tacagagtgc tgccaggagc 240
tgccaccctg agcacagaag gctactctgc agcagccttg ggactgggcc acatggncat 300
agaagcagcc anaaaggaag aaagggtggg gtgaagccaa aattcaagcc aggcattttc 360
aacttcagcc cttagctagt gaggtcattt tccatgtaat ctctggttcc actagattca 420
atgnctctta aatggtgaac acacaaaatc tgaacccatc ccatgaccat ccagaccaac 480
acaatgatgc ttgcattcct gggcattggc attggatcag gaantagtgn gagtccanaa 540
ttaagcctgg gctttgaggt acccttgac cccactttca tgagggcttg gacttanaga 600
ng 602

<210> 3351
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<400> 3351
ngggagtnag cctgtttccn tccatgggtg ggaagacttc agcacaaang aaagactaat 60
tcttgncagg cattttgaa aaggctgatt atgtgtatca aggtacagca tcgnagggtt 120
cccctaaact tgccctgttt ttgtttttttt aggtttgcta tccccttact gancggtctc 180
tactangtgg ctgtgattaa atgtcccaag caaggatagg gaaggggaat ggntgagcct 240
ctggagatca ttgtaaccaa tnntgncana cctgtttggn gcagtgnnga gcaaacctag 300
ataangacct gtttggggca tgacnggagc anaatctcct ttaacaacca agcagttcct 360
cattcacatc aaccagagnc gaggctgtga tnacttagga ngntancaat cctaataagc 420
cttcagtgcc att 433

<210> 3352
<211> 59
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 3352
gagataatac ttgtctcctg aaatctgtgg ccataaanna ggcttgnata tggncanag 59

<210> 3353
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<400> 3353
gcnnatctnt annttttaaa tcaaatactg aataaagaat gaagatcttc ctat 54

<210> 3354
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<400> 3354
gctcaaggtt gtgcctggct acgctcacac tgttgggcaa aagcacagac agatatgctc 60
catttccaag catgtgggag ctgagttcca tctctttcag gttaacatat gtgtttctat 120
gcctgactct caaccttgga cctgtacctc tgcaatcact tggccctgga tggatgaggg 180
agggtggcat gtgaatagaa actggaccag ggagaccacc aaggaatgat gtgccctcga 240
gcaagaggaa tttaagttta tgtcattata aagctctgaa gatatttcaa tgattatgat 300
ggacaaaatg gagctcttaa ataatcatac agggaggcaa gtgtgatctt actgaagaat 360
gaagagtcta atgtagtggt tccatgttgt tttgggagtt gcagtctggg ttctcaggga 420
tcttcactac cacccctcac cttgccttga cttgttacac tgattctgct gntgaggact 480

aaaaggtngg aaagcngaat atnntattca aatgcata 518

<210> 3355
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 3355
gtacttctct ggttttgggg ttacttgtaa ataagtctac gtatataaca tgtctcgtgg 60
attttgcatg ctacactaat ctctgttaaa tctatcccct ctttattcag agcatgctgt 120
caaggtcctt taattccaat tttactactg taagcagttt tcactgtggc agctctaggg 180
atctgcatgg cagccagggc agtcttgcct tgagtgttgc agacagaaga ggtnctggtg 240
ggcacatttt ncgagtgagt acctacacta gaccaatact tttagcttgt agaagagaaa 300
accccaaatt ttaagngttt ttaatgnttc caggaaaaaa aatgnttact ctggggttag 360
aaaccttgat tncctctgag ttcttccatg gctnagttct aaatctttct tcagagctga 420
taaatncatt atctcctgag tttcttttgg tnataaacna atgatgtant cagcccttgg 480
tttatgcaaa aaan 494

<210> 3356
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 3356
gncaantata agtnattaca tgtntttatt tgngtgtgat taaaagcata aatgttcaat 60
gtcancattg aaaatatatc acantttttgt aacctttatc tggagcattt cttcattnac 120
ttatatatca ngaatattaa aaaaaaaatg gactggacca ntcaatgcca ntgancctg 180
cntttgnngc tttacccata cttgcaangg tgatgctgtg aangctgaan actggtcang 240
aaattggaan ancttntaaa gaacattttt tnncacanca aacctggtnt ctnaaaattn 300
ctatnttntt ctgaaaagtg cccagtntct nggaacactt aaaataaatt gtcactgaaa 360
taaaaccttg accttcagaa aatgganaac ctgaggttat cttcaaaaga cagaattgct 420
aaatttttca actaaaatct tgaacactat tacnactagg aggtgntcct ttgnntg 477

<210> 3357
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<400> 3357
gtctataccc attttgggta tagaagataa aactattggn atttcgtttc ttttctgtac 60
ccaaaatgga ggttaaaagt tacactaaaa ataacacgat tgcaccaaag aaagcgtccc 120
atcgtatcct gtcagacacg tcggacgagg aggacgcgag tgtcaccgtg gggacaggag 180
agaagctgag actnttggca cataccgata ttgcctggta gtnaagacac canagccttc 240
taatgccnan cagtt 255

<210> 3358
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<400> 3358
gaatatccct ggccagantg atgccttgct gaaggttacg ctgtcntttg ggagagcgat 60
nctcntgcct cagactnttg agtatttggg acaacaggca 100

<210> 3359
<211> 94
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 3359
gctagttcta gatcgcgagc agccacccac tgggagtctt gtttttattt ataataaaat 60
tgttggggac acctcaaaan agnananntg aaaa 94

<210> 3360
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<400> 3360
gcacttgcag aagatttcag ccccggccac gatgtttgct gtcagcggat ggaaaagtct 60
tcctcaattt atggttcata ccccattctt ctgaagtgct ggttatgttc aaaactctgc 120
cagaaaaggc agcttttaaa gccttaaagc gaactctaca gctgatagct cctctgcatg 180
atatcgtggc ctaccttgtc agttttgcta agcttggcaa ttgtccanca tgttttgaat 240
ttctcgnagn accnaccctt tganaggtga ctgg 274

<210> 3361
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 3361
aatgtccgna cacggtcccc aattgccggg tcgacccacg cgtccgtgtc accattgctt 60
ttgacantnt tcaacactga gcaaaactcc ggggcaaaan tggggnnaa 109

<210> 3362
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<400> 3362
cnacgncatg gccatggcct ganaactctt ccagtatatg tngcagaagg agcgantgga 60
accgctccac ctggcaactg ccgaccctca cagaagctgc tgaaattcnt gaataagcac 120
ttnatctgga gatcacagtc cnannggtga acaaatt 157

<210> 3363
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 3363
gctcttacgg tgcaatcctg ccactatagc ggcaggattg caccntaaga ggnnangttc 60
taaatn 66

<210> 3364
<211> 88
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 3364
cggcaagaat ggcagaactt accaaacaat taaaagagaa attccttttg aacccttgaa 60
nttattgaaa ccggaacntn acgnattt 88

<210> 3365
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 3365
gccgcacatg agccatgaga gcagctgcaa ggggcagctg aataattatc tggaggtaac 60
tgggtttgat tcagactctg ggaacaaagt ccatagactg gagctcctgg gttgaggggt 120
gtctgttatt gctcaatcca gggtcagaag aggactgggt agctcattgt gtgtctttta 180
caatggtaac gacttttcct tttctcacga gtcttctgag ttagagggaa tgacaaaaac 240
agccaaagga ttaaaggttc aatagctgag ctggaaatac tangatatgt ggctggacta 300
aaccaccatg aaaagcaaaa agaaagtggg agatgaacta ngtangaatn nananatang 360
gagggaccac tgattcanaa gngacttanc aacgatnata acttgcaatt atataccttt 420
taaaataact ctcatactga tctgncactg angaatactt cctacatggg acctgtgctt 480
aaaaacataa tgtggatttt aggcccacac tgntncngga at 522

<210> 3366
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<400> 3366
gagataactg ccaaaaatca ccagaaaaat acttttcaat ttatgagcag attattacaa 60
gagcaattta ccaagaccta ccaatgaaca atgaaaacta tgaactgtta ttctaaagct 120
aatagaaaga tgtggttttc atgtccattt ccatcatctg cacaatgtaa cctttaaaaa 180
tatttcttaa agtgttaagt ttatgggagc aaaaaaatat tgaaaaatta tcagaaagtt 240
cacaaaaacc ttacaaactc acatgtcatc agattaaatg ttctcagaga gcctgcagtt 300
tttcacactc cctgcaacct catggtcatc gctccacagc aagataaatg ggtgacaaga 360
caatcctctt ctantttggt tggcaaatgt caatatcagc atactttcaa gnctttctat 420
gtaaatctgc aaatanagcc tggnctttga tttaacttat ttgagtgctg nataagactc 480
ttagaatgac nggttcttct ggtttgacan aagnaaggcc tttatctatg tctcaa 536

<210> 3367
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<400> 3367
gannacgcgt gcntagacag cagagcacac aagcttgtan gacangagcc at 52

<210> 3368
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3368
anatataata aatgaganat aataagagat antatatata aataagtata aaantaggta 60
aaaatatg 68

<210> 3369
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3369
ccgngagatc gggacgcgca acnggccgtt ccgggttttg ttaaatnaca ttgtattggc 60
agcaacagtn taacaagagg agtaagcaag ngtggtaaac 100

<210> 3370
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (83)
<223> n equals a,t,g, or c

<400> 3370
ggtgggctgc agtgatgact ttggctttnt ttccaaaaat gacggnagcc atactgtgat 60
ccctgncccc aantgctgca cana 84

<210> 3371
<211> 92
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3371
ggtgatttaa cagtgtggga tgataaaatg aggtgtctgc atagngaaaa agcacatgat 60
cttggaatta cctgctgnga ttttttnttna na 92

<210> 3372
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<400> 3372
gcgagagtaa ggaaataaag ggaattgcct ntggctagag agtnggttag gtgttaatac 60
ctgntagaga tgtaacggat atnacctccn ttt 93

<210> 3373
<211> 87
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (82)
<223> n equals a,t,g, or c

<400> 3373
gcacttgcag aagatttcag ccccggccac gatgtttgnt gtcagaggat ggaaaagtnt 60
tnntaaattt atggttcata cnccatt 87

<210> 3374
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 3374
gaggtacacg gcanctngag aggaatgcnc cnggagaaaa gaccaacgca ctgaaaagaa 60
gccgacttag nagttcaaat acagatgaca cccagctgcc nagcgaaaan gccaaggaac 120
aa 122

<210> 3375
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 3375
agcgaatcna gtacctccaa ganggaagac tntctgngag ttctactccc ataagtcaga 60
tgccctcaac atgatcggtn ttgtgcgacc tgcaagtatg ag 102

<210> 3376
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<400> 3376
gcntcanaat aagtaaagtt taacantgat tcancanttg tcattatcaa agaataaaag 60
actcaagaat atgcaatact ggggagactg ctgagtcact gtggccattt ttagataaac 120
cttttcctgt ttataataac acatgctgat tgtaggaaac tagaaaatac atgaaagtgc 180
agagaaaaga ctaaaagtca tctatacttc aggtcgtaga aataaccact ctgaacagca 240
cacttctttt tacactattg ttttacactg ttgggattac atanatatat atgtntgtat 300
nccactttgt gaacatnatt ctatgtgaac tanaaatgg 339

<210> 3377
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 3377
gttgacgcgt gggtagttct agatcgcgag cggncgccct ttttttttn tcccnnttcc 60
cccccan 67

<210> 3378
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 3378
gcccgtttcc cggncaattt ttcncccttt tttcncccnc aattaaagnc ccaatttcca 60
aaaaaaaact tgggggaacc caaaaacttg ggggcccttt cttttccctt ttttcccccc 120
cttgggggggg aacccaaaaa aatttttaaa gggggggccc ctttnaaagt tccccttta 180
acccgggncc atttgcccct tgggccctta atttcttggg ncttctttcc tttcttttnc 240
ccccttgggn cctgggntct tggtcttctt gaagcttctt gg 282

<210> 3379
<211> 90
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<400> 3379
gatgagagct gccataagag ggatccctga gcagtgagac tcaggatgga atnattggan 60
nnaattgcct cctactttgc angagggcaa 90

<210> 3380
<211> 60
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (57)
<223> n equals a,t,g, or c

<400> 3380
gtngacgcgt gggcgcgcgc acagagctct ggngcgccgc tcccagncac agccttncgc 60

<210> 3381
<211> 208
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 3381
gcttgaaatn agtgagagca gactnaccaa acctngntgg tgganctntg tgttccgttn 60
gcctctaggt ggcagtcaca gcatttataa gtcctgtcat attcttaact gagattttga 120
gtttgagccc tgggaacatt ggagactacc aaaactncct agttntggcc tnttncttga 180
aaattganaa agggaagaac tgaaacat 208

<210> 3382
<211> 94
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 3382
cacgcntncg taaaaaatga aggggataat atatgataaa tnatgntctg atatcctcct 60
acagtagttt aaattgacag aaaaatttga atgn 94

<210> 3383
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 3383
ggngagtata gggaaagctg ggacgcctgg agggaacggg ccggaatncc cgggngganc 60
cangtgtgcg gggttggagt tatatggaga aaggagagat attaagnata g 111

<210> 3384
<211> 100
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<400> 3384
gcactgggag aagaacctct cataccctcg gtgctgcagt ggcccagctc actcggccca 60
nacaccatgt gtgannagga tnaccatcgn gctcgtgtgt 100

<210> 3385
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 3385
ggactgacaa cactccacac ntaacaaccc aacagaatga aagacaggtc ctttgctagg 60
tatactgttt acctcagtct ccactatccc attacacaca aggtctagca ttcaataaaa 120
aattaggata cataccaaaa agcaaggcaa ataatgactc cttatcaaga gataaagtag 180
tcaacagaaa cagaccaagg agtaatgcac ccagatgtta gaacccatca aacagggact 240
ttaaccaagg tgagcattat aaaagatata gttgaaaagg tggacagata ggaaacttca 300
gccaaacaat gaaaactata naananaaca tanatgcnga aaaaaattg 349

<210> 3386
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 3386
gcggacgcgt gggctgacag tgtcttacac aatgatttat acacataggt acaaagtaaa 60
taagacacat tgtcaagctt tctttagatg taagtatttt caaaattatt tttaaaatga 120
ctttcaaagg ctttaaacat agactatcaa aatcattgac attttctgat acatttctaa 180
gttcaaagtt atttggggag tatctttttt ttaaaaaaac agacagatga ngcaaccata 240
tattttatat cttacattac cacctacata gatcttttga gcattatatt aaattatnct 300
antatattgg aggctactga ntggaatcat ttgnaaangg cat 343

<210> 3387
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 3387
ggtagatatt aaaaattatt ttttctaaaa ttaatgttat actaaaatca tagtttgaat 60
tgctgacata ttaattgtgg attaaataat ctatatctta cagactgaat catattcatg 120
ttgttgatgt cctttanaac aganaatggg taatgtgtan attaactata nagacattac 180
cagtgtacat aaaagctatt aaaaatctta atattgtaat ttancactgt attcctnta 240
cctan 245

<210> 3388
<211> 77
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 3388
gcctangcgt tcgctgcgaa gctgaggatg agtgatgggg tggaggcagt aacaggngcg 60
gcganaggag aagtgat 77

<210> 3389
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 3389
ggcaatatct gttgcagctc acccttttac atagtcccca gattattttg actgatggaa 60
ttaacccagg gaacaacaat ggggggctca gctccactct gtgtcactct gggaactgtg 120
caaccaagaa taaactagga ttttgttttg gcatagcagg tgaggaaaca caggctgtgg 180
tctcttgcaa aagtctgtct gaaacttntc tnactntant cctattctca ttanact 237

<210> 3390
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3390

gaataaacat ttgtgtacaa aatgaaanan ntacaanata aagaatataa aaanatgaaa 60
aaa 63

<210> 3391
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 3391
gacttcngta agctcacctg gaaccntacg actcattana gggaaanctg gtacgcctgc 60
aggtaccggt ccggaattcc cgggtcganc cacgcgtccg aagatattcc ttttttgtc 120

ctagagaact tattttcctg ngaaaatgcc taccacaaag aagacattga tgttcttatc 180
aagctttttc accagccttg ggtccttcat tgtaatttgc tctattcttg ggacacaagc 240
atggatcacc agtacaattg ctgntagaga ctctgcttca aangggagca ttttcatcac 300
ttacggactt tttcgtgggg agagtagtga agaattgagt cacggacttg cagaaccaaa 360
gaaaaagatt gcagttttag agatactgaa taattcttcc caaaaaactc tgcattcggt 420
gactatcctg acctg 435

<210> 3392
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 3392
cttatatggg ancctctacg actcattata gggaaanctg gtacgcctgc aggtacacgg 60
tccggaattc ccgggtcgan ccacgcgtcc gaacgctgat gtcntgcaga aattatatct 120
gagtgcattt ggctggacta gctatttccc tttgtcactt gatgatgctg caagggaatt 180
tctcagtttg ttctgctcca ggagaacttc ttgtcancat gggcaactct gaaagccttc 240
tctgattagc ctcccaagtt ttctggntnt antaaaattg gaagcagtat atatgtngct 300
aaatttcaat antgtgcact gncgtagtac atctactttt aaggacttgg taccttnnat 360
ttaatatatt angtaaaacc atgtaaaact ggcatttttt ataagttaaa nattgtngac 420
ta 422

BNSDOCID: <WO___0122920A2_I_>

<210> 3393
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<400> 3393
nacgactcnt tatngggaaa nctggtacgc ctgcaggtac cggtccggaa ttcccgggtc 60
ganccacgcg tccgcccacg cgtccgcacg gcgtccaggg cgaccagccg cgggccgcag 120
ggcatggacc ttcaggccgc cggggcccag gcgcanggag ccgcggagcc gnctcggggc 180
ccgccgctgc ctagcgcgcg gggggcgccc cccagcccgg aggctggctt tgctacagct 240
gaccactccg gtcaggagag agagactgag aaggctatgg atcgactagc ccgnggaaca 300
cagagcattc ctaatgacag tccngcccgg ggtgagggca cccantctga agaggaaggc 360
tttgccatgg angaatgagg actctgatgg agaactgaat acctga 406

<210> 3394
<211> 74
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 3394
gcaaaaatct attgtggtat gcacttgatt aacttattca tgtgaaagtt tncncnaata 60
nataatanga tgat 74

<210> 3395
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3395
gcggacgcgt gggcagactt ccagaatgag gtctgtgctg gcncttncct tcncacacga 60
ncntag 66

<210> 3396
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 3396
gcccacgcgt ccgngagcgg ccgccctttt ttnntgtttt tgntggaaat atatagntgc 60
actgagtg 68

<210> 3397
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)

<223> n equals a,t,g, or c

<400> 3397
gaagccaaca aggaagaagg gggagaaatg gatttgggca gccagacagc actgtctgct 60
ttacccgcct acctccatgt atgaattgtt tggttcaaag ggtgctgcac aggattcctc 120
agggctacac gagttaaaga caaagattca aggaccctgg aagagtctct ctgtcaaggc 180
agtgctggca tctgcagcaa gatagagctc cctgcagggt gtccctggtg aaaactgcag 240
acaagtgctc tgaggtgctg ctgcagtngg ctcctcacca gaccagttct gcagcgtggt 300
ttgagtgttg ttcctggctg caaacctgct tctccagccc gctactgatt ctggaagctg 360
ccaaatatcc ttttaatgaa ttccttttct gctaanaaan nnn 403

<210> 3398
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3398
acacaggggg gggaaaaaag gncaacgggg ttaaacagnc cnncctggcc caggggggttt 60
aaaccgcggg gggtacccgg ggggaaaatt ntttacacac gggag 105

<210> 3399
<211> 76
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<400> 3399
ggtgagaaca agagagctgt aagacgcatn cgtaatgatt gggggggggct aaaaaaaaaa 60
tntntncccc cgggnc 76

<210> 3400
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3400
nggggaaaaa aagccagnng gctaacaggc aaacgccaag nggttaaacg cggggttaca 60
ccgggaaaat tttacacaca gngagttacg ggaacnccca accgaccg 108

<210> 3401
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 3401
ctaggggggg ggggnaaaaa aaaggtcccn acgggggttt naaacaggac cccncctgcc 60
cccagggggt ttaaaccgcn gggggtttac accgggggga aaaatt 106

<210> 3402

<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 3402
acngggtccg gaattncccg ggtcgaccca cgcgtccgcc cacgcgttcg aantgtttgg 60
ncaggatgag atgatcgngg gggggggggtt attaaaaaag 100

<210> 3403
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 3403
gaacagnggg taaaaaggcc acggggttac agaccatctg cccagnggtt aaccgcgggg 60
gtacccgggg aaaatntaca cccgnggggt acgggaacnc ccaacggncc g 111

<210> 3404
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<400> 3404
gcanttatat ggtacttttt tattgttcat ggctttttt gcacatatta tataatttta 60
ttcttacaag aaggcccaac ctattttata ggattaagat tttgaacata ggatgatgac 120
atgatttgac aaatatcaca cttctgtaat ctaaatcttt cacttcgttc aaaacctcgt 180
taaaaattgt atatcctttg tgaaactgtc tttcactgcc ctcactctaa gataatttcc 240
cagttaaaaa aaattcctaa gcaattttgt gtgctgtcca tgctatacta ctaccatcat 300
atctgtcttg tacttgntct taattntttt atgggcacat tttatgtttt cctgaccata 360
ttgtaaattc ttcntccttt cttaaatctt tccacctgag atgtncctgg tatanaacca 420
gatgaacatt angnacttta tgaatacttt 450

<210> 3405
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<400> 3405
gcctcaagtc cttattgttg aggagtcgat ggtggggtca tgtgggacca tgtcagctgt 60
gtgcagtgtt aagtgtgggt gctgcagagc ctgttttact tatggtaaag taaagttcat 120
gccatggact aaacctggtt ttctggaact gctgcttgct tctattaaaa ttaccagcag 180
attgcatgtc tggatctgca taccagcagg tggaatcagt tgctttgctg actaatttac 240
aagtggaaga aatatctgtc tttgcaactg caacctgtta gagtctcctt gtaactaggg 300
ccattagtca ggaaaccgta tgatgaattc tagtacatac ttctatgtat acacattgtc 360
aagactaaat tttaaaaact acaaggaaag tagttcagaa tcttacacaa caactgatca 420
taatttcct tataccacta tatttttggg attaccagtg tnaccaaagg attctttaac 480
naat 484

<210> 3406
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<400> 3406
gcacccgggc ccagagtgac agcagccaga cgctgggctc ctccatggac tgcagcactg 60
cccgcgagga gccgtcctct gagcccggcc cttctcccct gccgctgcca tcccagcagc 120
aggtggagga ggccacagtc caggacctgc tgtcctccct gtcggaggac ccctgccctt 180
cccagaaggc cttggaccca gccccctcg cccggcccag cccagcgggc tcggcccaaa 240
ccagccccga gctggaacac agggtaagtc tgttcaacca gaagaaccag gagggcttca 300
ctgtctttca gatcaggcct gtcatccact tccagcccac tgtgcccatg ctggaggaca 360
agttcagatc tttggaatcc aaagagcaaa agctgcacag ggtccctgag gcctaaacct 420
gcatgggctg ggtgaaatga agggagacag ncatntnaaa actctctggg ancttgaagn 480
ttgcaa 486

<210> 3407
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n cquals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 3407
gattttctgt atgggtattt agaaattctt tatatgaaaa ataatngctg gttcaaaata 60
gaccatttta acaaagngac tatatttctt tttacgaaaa tgctattttt ctatgatgta 120
aacaattgtt aggcggcaga tttttaagga agtattattt tatttaagag nctgtatccc 180
ttcgtgtgan aggaacccaa agagggttca cttttgctnt aaagctctgt nccttaccca 240
ctgacaactc tgntacnttt attttatccg agaaaatgtc aa 282

<210> 3408
<211> 90
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<400> 3408
gggagaaatc ttgtcaggga aatcaggtat tangtggtat ctaatcataa ggtttttgtg 60
gnctttaaat ggattgacta cctnnatgnc 90

<210> 3409
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<400> 3409
antgctgaga cagctaaaga tgttggctng gaagcaacca ttcatttaaa gagtgcgtac 60
cancettact actcngaggg agttnggcag tggaataaaa ntc 103

<210> 3410
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<400> 3410
gccnaatgcg cattagttcg atctcaggag tgagggcatg ggtgctaagg tccatgtcct 60
aaaggagaag aatccagacc atcagctaag gtccccaaat aaacactaag ttgaactaac 120

gaagtcagat tgctaagaca gctaggatgt tggcttggaa gcagccattc atttaaagag 180
tgcgtaacag ctcactagtc gaggagtttg gcgtggataa taatcgggca tcaagtgttt 240
taccgaagct atgggatacg taagtatcgg taggggagca ttccactctg cgttgaaggc 300
gaacgtgagc tttactggag cgtgtggaaa agcaaatgta ngtataagta acgataaagg 360
gggtgagaaa ccccctcgcc ncaagactaa ngtttcctga tcaacgctaa tcngatcaag 420
ggttagtccg ggtncctaa 439

<210> 3411
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<400> 3411
gggccactcc aataggtgct gagtgtacag agtggaataa gacagagacc tgccctcaag 60
agcaaagtag atcatgcata gagtgtgatg tatgtgtaat aaatatgttt cacacaaaca 120
aggcctgtca gctaaagaag tttgaacatt tgggttacta tttcttgtgg ttataactta 180
atgaaaacaa tgcagtacag gacatatatt ttttaaaata agtctgattt aattgggcac 240

tatttattta caaatgtttt gctcaataga ttgctcaaat caaggtttct ttttaanaaa 300
tcaancatgg tnagtctgnn ttanaaaatn acccgaanga aaanttnnaa attggncact 360
tgaaaatctt agggaaaaaa ttaattcnaa taaatttncc attttacctt taagaacttt 420
aaatggngaa cntttaaaaa agcnattttt ttttaaacct tcctaaagtt tt 472

<210> 3412
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<400> 3412
gcggacgcgt gggttttaaa aaagctaggc ttgattgttt attctgcatg gtccacttct 60
gccttccttc ctcttctatt acccttttct tattctagac tgtttttaaa ctcagttatg 120
cttgctttca ccaaagcctt aacctttcct gtgattagaa aaagatgctt atgtttccat 180
tacttttcct acaagaaaac gcattctcaa attcatattc actatacagt gtgtggcata 240
acaccaagct taaatggtca ctcagtggac ttcacaataa tggccacttt atgcttntgg 300
atgcaaaacg ntngnanagt 320

<210> 3413
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (262)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<400> 3413
gtgtctgttc tagtctgggt ttctattaca ttcttgagtc cttgtaagaa ggtgtcaatt 60
ctgttggctg tttaacaaca caggttggtt ggtcttaatt gacaacctac aatatctata 120
ctccaggttt gtgccagaga taatgaactt gaattttctg cttcccagtt cttgtaattg 180
gattgtatga aatattcttt tttttgtgat ttaccaaagt aaaatttttt ttttagaagt 240
ttagaagcat gtacaagttt anaagaattt tacaannact ntttntaa 288

<210> 3414
<211> 59
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (54)
<223> n equals a,t,g, or c

<400> 3414
gggctttgct catgagagat gtcaggcttc ctggnggcat ngnggctttg agcnctgat 59

<210> 3415
<211> 138
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<400> 3415
gctagagaac aagtgtgtgc ctgcccagtc agtgggtgcc cctcagcctt ggccacagga 60
cagatgtgag gccatgaact gatggcatgg gagcacgggg ctggggtggc ccagccgtcc 120
cganaacact nanntncc 138

<210> 3416
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3416
gcannggtcg gtagtttgag accagcttga ctgggcatgg ngggggaccc tttatntcct 60
gan 63

<210> 3417
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (52)
<223> n equals a,t,g, or c

<400> 3417
gctcctcctc cagcaggagg tggtggtgta nttgatggtg annctnacat cngcgagaga 60
gtt 63

<210> 3418
<211> 125
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<400> 3418
gcgtcactag acgacacggc tgtcttcttt cctggagaat ttctcaagga ctgctggctg 60
gaaacttaac ggntaatgng gatctgacng tagnttgcca aattaagaaa acgtttntac 120
cctgt 125

<210> 3419
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<400> 3419
taatgtaaaa ttagatcacg agttcctttg tagctaagaa aatttgttac actngattan 60
agctatattt aaataataac ctgtgtgcag gaatggatat tatgcctcat tgctaagtta 120
tgtgaaaana ttgtagaaac tctttcaggc ttgattttgt agtttttttt ggctgctttc 180
cnatataatg ancacttgtn anatggccaa ctggagaatt tctcatggat aaaaatacta 240
taaaaccaaa atattgcttc ttgtatatca tttaaataca gatagtgcca tacattgaag 300
ggactaaaan gtaanatttg gcttcatttt caaaataatt ttatttgnta ttgncacagt 360
agcaatagta aaatgaagca nat 383

<210> 3420
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<400> 3420
cgcgtgcatc ttacgcgtca gatgaactac cgnctacgtg gnctgcttaa gcngagtata 60
cttttctcct gcttttctgg aagagaanag catgtgttct agtgctnacn gcgcggcctt 120
cacgtccgct tctccccaag tggtggcagt acctggccat aggaaggngg attntancag 180
cctgcacntt taaaattgan gctgatgtct tanctcgatc tttgnttatn gctgcttntt 240
ctangcttca aagtgtgctg aattctatga aaattacaat gancagtcta acctttgtaa 300
cactttanta cttactggca catttcactg anaccatttg aaacantgtt accttctgaa 360
agtcatttta aatgtatttg nanaata 387

<210> 3421
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<400> 3421
gcgcgcatga gggccccgtc catggaccgc gcggccgtgg cgagggtggg cgcggtagcg 60
agcgccagcg tgtgcgccct ggtggcggng gtggtgctgg ctcagtacat attcaccttg 120
aagaggaaga cggggcggaa gaccaagatc atcgagatga agattggata accaagaaat 180
gactaatcaa gagtctgccg tacatgtgaa aatgatgcca gaattccaga aaagttcagt 240
tcgaatcaag aaccctacaa gagtanaana aattatctgt ggtcttatca aaggagganc 300
tgccaaactt canataataa cggactttga tatgacactn a 341

<210> 3422
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<400> 3422
gtgtgaggct gccgagcgga cagcgactcc cggggaagcc cgcgctccgg gagcgggagc 60
aggagcagga gcagcgccgt cccacgccag aggcgancga cgggcgccgn nagagnngag 120
agc 123

<210> 3423
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<400> 3423
gncgcagatt catgcancat tccatatttt tttaaaaaaa ggttacactg tgcaccgacg 60
tggagctaga aggaaaagca tgaantctca tgtttgctga ctataaaaat aaatcatagt 120
aataatatta ttgaacattc tactttaaaa attattaata aaaccataaa tgaaacactt 180
gagcacactt taaaaagtac ataaacccat gagtccatat gtgtaattnt atgttgnctg 240
ttttattatc caggatttca tactcagatg agcattagca tcaggaaagc ctgaaatgcc 300
ttaattgtga actgatacgc aggaaaatga aatatgtaag cacattggtg accttggtct 360
ttacagacat catgatcagc cttcagcnat acngaacaaa tgagaaatta gaagcaattn 420
aagaaccgtg tgatggtgtg aaacccactt ttgaccgnn 459

<210> 3424
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<400> 3424
gggacctggt ggtgctgctg tttgaaaccg ccctgctatc ttcttgtcgg ncttaaccct 60
gaccacccca ttgnggaaac ctgnggnana aggctgaagc 100

<210> 3425
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<400> 3425
gcccacgcgt ccgagttaat agaagaacat gaacattttt gttatgtatt gaaatccaag 60
agatccgttc cgtttatctt aacacacaaa gtgtatactg tcacatataa attatgcctt 120
acaggtaggg agagtagaca cagttgacac agcgtttttg atgctcagtc actgtgacca 180
aaaactcttc tattcgtgtg ttgccttcat agagggcgat ctttanaaat ttgagaaatt 240
cnaaatttga gaaattccta catttgnatt ganattgcta ctatttaaat gacccn 296

<210> 3426
<211> 82
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 3426
gctcatcaga gaagattgtc aaaangngaa gctgtgggat gaannggttt cacatnttgt 60
ggaaggacca aattttctga aa 82

<210> 3427
<211> 171
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<400> 3427
ggttttgcag tcttctgctt acctntgagt cactggctnt catgttacta tatctattgt 60
tgttttatga tctattttga gtatggtgct tatgatcttg gaactaacgc ctattntcta 120
tatgnagatt attctatnat ataccattca gtctnatnga attaaatgat a 171

<210> 3428
<211> 176
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)

<223> n equals a,t,g, or c

<400> 3428
gatcgcgact atgggagctc cgggggggaaa gatcaaccgg ccccgaacgg tgactgtgtg 60
ggggccgcga ctttgtttcc tcaagcgttc ctgagccctt ttatctcgca cgagatggga 120
tcagagctga agaagaagct gttcaaacgc cggcggntgt tgaatcnnga gcnagn 176

<210> 3429
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<400> 3429
gcggacgctt gggcaatctg ctagtatcta ttttacaaaa tgcagagcca ggtccctcag 60
cccagactca gtcagacatg ttcactaatg actcaagtga gccttcggta ctcctggtgc 120
ccgcccggcc agaccgtcag cttgataatt actaaagcaa aggcctgggt gggagaacag 180
gtttctagtt tttacccaag tcaagctgca catctattat ttaaaaattc aaagtcttan 240
aaccnaaaat ttggncatga accattaang aatttana 278

<210> 3430
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3430
gganaaatct tacagaagag aaactgtnaa gcaggggtta tcanggnaaa tnt 53

<210> 3431
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 3431
ggtcaccatc actgaagagt ctgggtgaac tggggtacta gctcccaggc tggaggtggc 60
ctctgacaga catggcctct gaggagtgta gcaccaaaca cggacccaaa agcacccctc 120
agaaaaggaa agggatgaag gggtcatttg cctgttttac acatttatcc agatcaggac 180
ctgnaaggga agacctcctt cactgttgct gagactgcga gctcttggaa gacggtgact 240
gtctttttgt ctctctctct ccccagaact cagcagagta acccatgact tgtttgactg 300
aacagagtgc ccatgggttc antgctctgn tctagtctcc acctgccagt ttccttctga 360
cnctgctatg ancaacccnc atatt 385

<210> 3432
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 3432
gcaattctat actagtattc caggtgtaga aagnggcttt cccagctcgc aggtgtttcc 60
aaatcttgtc ttctgattga aaatttgctt cccagatgac atttctcagt ttttcttttt 120
gtgaattgct taaccaccta agtgttcttt cagtttttg cttacaattt taatgtgtct 180
cattgctact ggtcctcctt ctaatgtagc tgagcttgtt aattctactt tnggaaaatg 240
tcaantggct ttccctttcc tctaatnntc cagcttcatg catcccctgg ccataagata 300
ctttcagact gtntgatata ttctatcact tgtcagnctt atgtcctgt ggttgactat 360
ataagcangc tttanggttt gggacttgta tttaggattg atagtaaagg tntcntgaaa 420
gccta 425

<210> 3433
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 3433
gaaangaagt tccaggatac ggctatactg acaaactcat cttggcatta attgtgactg 60
aaatactaac gattttgatt atacttttct gcctcattgt ggtttaggat tgggtgtgtg 120
tgtctcctct ctgaatggca ctcaaatgtt tgctgactcc tactctgcgt gactggggtg 180
tacagctatg gactgatgca tcccatccca tcatctttca cgagcaaagc angtctcttt 240
tttgacagct tgaagaanaa tctgtangga atccagaang agcattcatg aagatgntac 300
aagcccggaa gaattacaca agcactgagc tgactgttga gccggaggan ccctcnnaca 360
gcantggcat caacttgtca ggctttggga gttgagcagc tanacaccat atgactanag 420
tgatgttatc tgcgcnctaa ntacatttgc ctatttctca ncaatt 466

<210> 3434
<211> 118
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 3434
atctaanctn aggggcgntg tnccccttca caaagccaag ggatctggtn ctacccatcc 60
ccgcagtgtg cactaagggg ccccggcagg ccatgtctgc atttcggtgn ctnnttga 118

<210> 3435
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 3435
aaacngtang tctnaaaaca cagaattgcn acctnccaac aaatcagtcc tttgatctac 60
taaggcaaat ctgctttgaa attgttaata ttaggggtaa cctagtaacc agatttgtaa 120
caagacattt attttcttta cacggtgaaa agtgataaac ctttttacat ttgttgtatc 180
aagggtccat tgtagtttga acaataagta aaagttcaat atttgataag aattttatgt 240
gaaaagtttg cctggtagag attgtggcat tcttaatcct catatttttt aataaggctt 300
accactggtt agaagtgtca ttaggatgtt gttgctgaaa gagttgaaat ttaagacaat 360
ccacattgag cccatgagaa aagaattgcc tctgctgagt ttcatgtaag tatcttaaaa 420
catatgaata tccctataaa tttgatatcg nggncaggtc anantaan 468

<210> 3436
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 3436
gcccacgcgt ccgnaatttt taaaaacctg tcaatggtta tnggatggnn atatacaaat 60
angtgtattt 70

<210> 3437
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 3437
anttgagcac cacgccttcc ccagcttgca gnagnacacc ccaagcgctg cttttcacct 60
gtaccttngt tctattatta ttattattat tgctgntgtt gcatcggtna ctgtgggcat 120
ggaatgcctg aggctggcan tctgggttgg tcacaccact ctctgctgng ttgacttact 180
gntgtcttca ttaaagcttt tttacgnggn a 211

<210> 3438
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<400> 3438
gcccacgcgt ccgtctagat cgcgagcggn cgccctttt ttttttttt canaagagct 60
acattgtgtc antggacatt tttaaaaact gtgattttta ataatgtcca atgactgcaa 120
gtcggcctgg attttcactt gcaaaggnta cagctgcatt gtnaggtctc cnagccctgc 180
agagagctcc ntccactggt tagcagtgtg ttgtgttttn cattcattt 229

<210> 3439
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 3439
ttggccaggg gtaaeecggg gtcccgggna aatttccccg ggggnttcgn accccacgnc 60
ggtcccgcnt gcaagtcttg gattgggcaa cccgggcttc cccatttccc gggcntccag 120
ccctcncaaa tccggacccc cattttcggg cttgcaaagc ctcgggnacc taagctccgg 180
gccctcgggt ctatccgggt tgcatcctcc ctccctgttc cggatcttat cttgcgccag 240
cgcctactcc aggatcccgt agccagacct caagccatgg ctggtccctt ctcccgtctg 300
tgtccgccgc cgggaetcan gctctgcttt ggcggacggg gtctctaccg tgggtttgtc 360
gacgaactga cgactgcagt aacgacggag gtgatcccga cntganaccc aactcgaaag 420
acacaactga tggcagnact gaccanagct atnacggttg 460

<210> 3440
<211> 165
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<400> 3440
gaaacaattg gagagccctn tctggagggc tctcagagta gctntntgnc cattgttctg 60
aattaacttg tgtcccaccc tggacaataa atggacanat aaacccttng aaatacaagn 120
caccaccccg tgagggatta agagggcanc ctggttnact tagtg 165

<210> 3441
<211> 86
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)

<223> n equals a,t,g, or c

<400> 3441
gcaccaatgg aagcagctgg cttcactgct caggtgntta tgggtgaggn cattnaggcc 60
aaataagcgc cgnctgtgcc nctgta 86

<210> 3442
<211> 175
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<400> 3442
gggaaaagag ctgagagttt atgctgaaat ggatttatag aatatttgta aatctatttt 60
tagtgtttgt tcgtttttt aactgttcat tcctttgtgc agagtgtata tctctgcctg 120
ggcaagagtg tggaggtgcc gaggtgtctt cattctntng cacatttnna cagna 175

<210> 3443
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 3443
acttgagagc ccctnacaaa gaatccacac tgtccatgtc ngggagcagt ggtggtcaac 60
agccctcang gattgaatga gggtgtnaag nggtatgaac cggatcattn tgctatcca 119

<210> 3444
<211> 440
<212> DNA
<213> Homo sapiens

<400> 3444
gtcacttttc tatgggtaat ttcctggttc aaattacatt attatatttt ggctgatgaa 60
ttaagacgta tctaaatcag acatgtcaga ttagacatat cagatttagc tttaagaaag 120
tccaaaactg tccattctca ggttctgagc aggtcttttg ctgagtttca gggtctgaga 180
tgtatggcat cacatggcag gtggtacctg agagcccacc tgaggagggg gctttctgct 240
ggagagggag ggagcttcag tgaggaacct gtggggacag ccatctgtca agcattggtc 300
tgggctctgg ggctataaag acacagagaa aggcatgtaa agagagaaga aaaatacagc 360
ctaggggctt tgctggagga agctggaatg ctgtgggggt ccggacaagg cggcaaccta 420
acccagattt gcccagggaa 440

<210> 3445
<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<400> 3445
gcggacgcgt gggccattat ttccccttca aacaaataat agtagtgtga cctttcactt 60
aattcctact cccttaatgt gagagagaca aaatgagctg aanaaggaat taantgaaag 120
gtnacactan nattatt 137

<210> 3446
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<400> 3446
gnggaatccc ccccctcata gggcntccnt tnagattaaa ccgcaagcat cccaaacatc 60
attcaagngg ggggaaaaaa gggacgtcgt ggtgaaccgc cgcttcgtcg aagngggtga 120
acaccgcggg tgcnccgcgg gaagaatctt ctccccgcgg ggtnccgcag cactccacag 180
nccgctgcnc cgcggtcgta atcttgcgat cgccctnt 218

<210> 3447
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)

BNSDOCID: <WO___0122920A2_I_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3447
tnttggcctt ggccttggac cggccttcct tgggnggttg gaaatgnaaa attggggaaa 60
agnggggtct taattggttg gggtnccccg gaaaattcta gnt 103

<210> 3448
<211> 221
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 3448
catcatcngg ngagaaagaa cgtcctcgtg atcaaccgcc tctcgacnag tgatcaccgc 60
cgtgctccnc cgagatagat tctccccncc gggtgctgca gcaacccacc accggctgct 120
ccgcagtggc cttgggccat cgtggggcct cgtcgccttn gtcgaaactt tctagggaaa 180
gnggcaaatg gggacgccgc gtantatntn gggtcgagac c 221

<210> 3449
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<400> 3449
tnataganag accctcgctn tcccttaatc aaccagacgc tcgattttcc agaaagatcc 60
agtctcgntn aatgccttag aaaatgcaag taaggttagg nctcttngag 110

<210> 3450
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 3450
gaagcaattg acttgttctt taaccatcct atgagaaagg aacaaacaat ttggtcaatt 60
actatcctgt caatgcaaat gaaatggcaa aagcaaaaca ataaaaacac tttcagaagt 120
aaaaactaat tttgtatttt cagaaacaga ttttttttcaa agtgaaaatt tatttcttgt 180
atcagtaatg tgacttactg cccaatggca acaaatgctg tgaatgagtt tgtccaaatg 240
taatttaaaa tatatatctt gtaatgctaa aaataggttc tacaaagtaa ttttattatg 300
aaaaatctta aagttgcctc aactcgtaaa gcataacagg tatgtctgtt tcactatatc 360
tgcattgtaa ggnctattct gaattcattt gggaagaatg gtgaaataaa tccctaaang 420
cctctttnct atgcattaaa atagaaaaat cctatgggat tacattcatg tnggctttct 480
aaataatgcc aaaagctcat tttattaagn ataatctgcc tanccatgcc ttaaataaac 540
tactttggnt ttanaaaaa 559

<210> 3451
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 3451
gccanntgac aagtcacacc ctccccatta gtatcctgtt aggggaaaat agtagcagag 60
tcattgttac aggtgtacta tggctgtatt tttagagatt aatttgtgta gattgtgtaa 120
attcctgttg tctgaccttg gtggtgggag ggggagacta tgtgtcatga tttcaatgat 180
tgtttaattg taggtcaatg aaatatttgc ttatttatat tcagagatgt accatngtta 240
aagaggcgtc ttgtattttc ttccnatttg naatgtatct tatttatata tgaagtaagt 300
tctgaaaact gttnatggta ttttagtgca tttgtgagcc aaanagaana gatta 355

<210> 3452
<211> 158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<400> 3452
ngnatnccta gggaaaaccc ctcactatag gttaaagctg gtacgcctgc aggtaccggt 60
ccggaattcc cgggtcgacc cacgcgtccg nccacncgtc cggtgtgcct ccgactcgga 120
acggnttccg nggccggggc agngagggcc gggggcgg 158

<210> 3453
<211> 78
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 3453
gataatntac agccagagag taactcagca attgtgtagt ccagcatttc tacaannntan 60
gtatncacat gtaccttа 78

<210> 3454
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (90)
<223> n equals a,t,g, or c

<400> 3454
gaatttcctt atggagaaag acaatgtata ctttggcaga gtagnnntaa aaagaatttt 60
tantatttca tacatttcta aattttaan gga 93

<210> 3455
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 3455
gcttaagtag tgtgttaatg attgaaactg taattgcctt cgggttgtgc tttagtctgt 60
aaatgtaatt tttaataata cttacattta cagtggcatg tcacaaactt cagcaacttt 120
ccagttgtan agtaagcaag caccttaagt agtgtgttaa tgattgaaac tgtaattgcc 180
ttcgggttgt gctttagtct gtaaaattct aaaggagagc tgctaaattg ntttcttaat 240
aaacattttt ctcatttgta aaaa 264

<210> 3456
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 3456
ggtaaaatcc tttgttaaaa tttaagaaag atctaagttt ctgcctcaga gtacttttca 60
gtcacataaa agggcctcta aagaaagact aatggtgtga ctgaccaatc cattcaatca 120
aacaatagcg cgtccaagaa acttaagggg atggtcctta tcctgcagcc atttcagcag 180
aatctcaagg tagaggaggg cttatctgaa aaagatttgt gcgtgtggct tttgtttaat 240
gcaaagaacc ccagtgagat tcctaggacc cccacaaagc tttaagagga atgtatttta 300
aggatcactt actagtttgg attaaaaggg gtnaanaaaa gtacaaaatg aaaaagatgc 360

ctttggaccc ccaaacttt 379

<210> 3457
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 3457
gcagatataa atcatgtctg aacagacntc ggaggggctc ntacagggga gananc 56

<210> 3458
<211> 260
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<400> 3458
gaaaagctta aagaaggttt tactgatcca gatgttgtcc agagacttcg agccttgagg 60
gttcttggtg ctgatgttgg tgaaggtgtg cgcggggatc agtaaaagct taaagaaggt 120
tttcacaggt cactgggctg tggtgagaga aggcctcacg aacccttgga ttccggataa 180
ctggtcttgg ggcggngtgg cttctgaaca ctgcnantgc taccgagttc tacactgaaa 240
aggactggan caagaangac 260

<210> 3459
<211> 83
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 3459
ggaattnaga tgtnaccgtc ttggccatcc nccttgggaa cgtatatnaa ttcctaanct 60
accttaaatg cataatcaca aaa 83

<210> 3460

<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 3460
ggcacctcag aaggggaaaa gctaaaccca gagctgtcag tccctctatc ccttctcctg 60
tccaggggcc cagagagaaa cacacctacc cctggccttg ccagagtggc ttctgaggac 120
tccctgccca gcccagcttt cactgggggg agacgaggag aggcaatggt ggtcttggca 180
acagaatgct cagcccctcg tggcaggact tgacaagggc aagcttgacc aggaagctgn 240
catcagggat cttcccctgc cccgcaaagc taggctccag ctgcaggcgg gctcccaccc 300
tctgctcctg gccttgggca agggcactca gcgcctcgcc tgcccctgcc ttggccaatg 360
cgaggtcctt ccttatcccc accatggggt ccatggtcta tttattctcg cccagcttac 420
cctctacaca nacactgtnc tgngtgcaca ctnctnccct 460

<210> 3461
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<400> 3461
ggagcgagcc tctctggtcc cgacgggggt ggccngggtc tcctcnactc ctgacganng 60
nccaccg 67

<210> 3462
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 3462
gggtggntga agtgtacgac cttgcggcca gcaaggggg cggtnatnga gggcctggat 60
cgg 63

<210> 3463
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<400> 3463
gaatgaattg actttcataa aaaggtatag aacctgttgn tgggcatnat ggnaagggan 60
n 61

<210> 3464
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 3464
gtgcntttat tttcaggggg tacttggcaa taacattctg cagacccacc ttgtgctatt 60
taggagcata agctggaaac gccctgccag ctgctgcttg tcaatggatc taaacttcta 120
cttttacagt ctaatgaaga cccagccctt ctctatctgg ggacaatctg tgagtttggt 180
cagtgtctgc cattttatgt cttatgctca ttatcaacaa ttaacacaaa gaacagatag 240
gatcttggct gtttctgcct tanggaaaga gcaatttttt atggcaatta gaatataaaa 300
cttaatatca aaccattcat attaaagtca caggctattc taaaatatgt ctaatataaa 360
caataaatct ggttattatc attctactca aatcttttct ttgngcttta gagggtccaa 420
taaggtacta ttccagaaca nganaatagg aaanagctca ng 462

<210> 3465
<211> 251
<212> DNA
<213> Homo sapiens

<400> 3465
gggtggtggc tgcacagtag acgccccctc acggcttccc ccacacgctc ccgccccctc 60
gctcgcccat cgcgcttccc tcacaggctc tgcagtcctc ccccacagac gccttccccc 120
ttggactctc attccctttt ccacggagcc ccgcgctttc gtgagccccc tcgaggaacc 180
tggtctccgc atccagttac cacctcctgc ctcagaggcc atctgagccc ttcgcacctc 240
gcccctcagt a 251

<210> 3466

<211> 73
<212> DNA
<213> Homo sapiens

<400> 3466
gcggacgcgt gggttggaca ttgagtctgc tgtgtctgag tgcactcaat aaagattctc 60
ctgctttaaa aaa 73

<210> 3467
<211> 148
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)

<223> n equals a,t,g, or c

<400> 3467
gccnnaagcc tggagggtct gaccatcact ttganaacaa ttccagactc ccaccccagc 60
cccaaggctt cggggaaatg tgggtttgct ggtctctctg tcgncttcnc ccacctntcc 120
tggacctagc angccctcag tcntagct 148

<210> 3468
<211> 50
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3468
gctatcanca ttgtttcaaa atagtcattt ttagnactgg ggaaaaatan 50

<210> 3469
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<400> 3469
gaaaaaattg ttttttgcg tgctattttt gtgacacact tcttatgttt caggcatagt 60
gccagctgtt aacagttata gtgagaaaag ggacagacac aatttttgct cttatagggc 120
ttatagacag tggtgatgcc acagggaggg catggagagg tgaggatggc atgtgttttc 180
ttcctacaat ctccatcaga acccccattc gtttctgtgt tcagttgaca tttctcaacc 240
ttagtaagta ttatgcaatg gaagcaaagg ccccctacc caaacagatt atttccttcc 300
acctgtgtag aaattctgga ctcctaccat ttatagtcaa gttcgggaga tagacattaa 360
acaaatagtt gatcaaagaa tcacttaatt acagttaaca tcagcagtgc atacaaagta 420
cagagagcan aggangggg cacagcctga ggccctcaga aggntcccca gaactcanaa 480
tctgcanaat tcagactcag cccagctgac ttantggtan aaagccccaa naaccaggaa 540
aagagccttg gggaccctan ncctttgagg aagaaaccaa tgtgtca 587

<210> 3470
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3470
gatgantcgc actgttcgtt catcagtggc tgaagggggn ggaagnagtn caccattc 58

<210> 3471
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<400> 3471
aacaggncat attcgngccc tcgggcctta catcacntgt ctcggtgtgc ggaagaagag 60
tgccactnac aatatacgna gcccttgact gttcgagacg gttgctgana attgtcgatn 120
tagaggagcg tcaaaaggag tncgta 146

<210> 3472
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 3472
gataatagtg cttattgttc aggtcacatt tcaatgaaag aagttttgtt ttctntattc 60
cttttccnag aaacttttct acttacaaaa acaatcattt taaactacaa aagccaagaa 120
cttacaaacc aacgccacag acaactttcc tcatcatgac tgctttcaga aatgtaggaa 180
aactgtgaaa ataccatatt gtattttaat caagtatctg tttcattgga tattttagaa 240
taagtaatta gaattcattt taaaattacc agtcaattta tgtttttatc aagttagaat 300
tttctgtgat ttctgataaa tggtaatatt acttggaaag gattntactt tttttgaaat 360
taanttcatg antacattgg aangcctnat 390

<210> 3473
<211> 59
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3473
gnttaagcag catggaagaa cagcttaaga ccattcantg gttgctncta cccnttcag 59

<210> 3474
<211> 56
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 3474
gatgacgcgt gggatttttt gtanccacag gnttccaagg acttcanntt attatt 56

<210> 3475
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 3475
cntanaanaa aagcaaaagg gtggctttct cttcaggatt ataatattta ngctacgcag 60
tggcaatgga gangaacata gcatgtttgt atgaatggaa naatatnant 110

<210> 3476
<211> 64
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)

<223> n equals a,t,g, or c

<400> 3476
gcagctnctc aggttcagac tgacaggaag atgacgatga cgangagacn acaggantgt 60
tana 64

<210> 3477
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<400> 3477
gggggagtga tcacattttt cacaacagta agttaagaat ttcagttact gacatccctc 60
agtcctgatt aaacctattt gatttcacca gtttttaacc catcatatgt ttgggtttct 120
tctccccagt ccctgactcc acctcttctg ccacaaacgt cagcatggtg gtatcagccg 180
gcccttggtc cagcgagaag gcagagatga acattctaga aatcaacgag aaattgcgcc 240
cccagttggc agagaacaaa cagnagttca naaacctnaa agagagatgn tttctaactn 300
aactgg 306

<210> 3478
<211> 59
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 3478
gtttaaagtg gactnatttc anatacaaag cttagangag ataccatgag tttatnatn 59

<210> 3479
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<400> 3479
ggcaccatct tcctccattt gacttttttaa tgctttacaa cttcaggcta aagggagggg 60
atnttgtgat gngttctcct cccaacatng cnagcggccg ctctana 107

<210> 3480
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<400> 3480
gctttcctat gttgttgaaa ctaaaaaatt cacttttagc tgtgatcact ctaggcctca 60
canaattcga gttaatcttc tgtcaaggtt aactaagcat tatantctca tgaaaatatt 120
acatgaggat tataaatcca ttttttgttc ttattctgca cacttgcttc angagaatct 180
gttcnactca nnaata 196

<210> 3481

<211> 198
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<400> 3481
gggcaattga ttagtaatgt cagtcgtggt tgccagacca gggagtggct gtaggtatgt 60
gtaggggaag tcacacatgc aaaaagcacc tgggttcttt cctgacctgg ttgggttgct 120
ctgggcaagt catgtcccct ctggccttgg ggtccctntg ttaaatggca nggctgantc 180
antggcttct gggtnact 198

<210> 3482
<211> 170
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<400> 3482
gggggtcctc atataatatg aggcgcagag aataggtcca ggcaactgtt taacaaaaac 60
acagggctgt gctaactcgc gagatgacgt atacagcctg acacctgccc ggtgccggaa 120
ggttaanagg agggttcaga cttcngtcna aggcctgaat tgaagcccnn 170

<210> 3483
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 3483
gtctanatcg cgagcggncg ctctagagga tccangctta cgtacaangt gcatgcgacc 60

ancata 66

<210> 3484
<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<400> 3484
gcccacgcgt ccgattagag aaggataagt aggaaaacat attcaagact actgtagctg 60
atcaatattc aaattgatgt gttttaaaat ttattttaag gttttacaac cnnaacataa 120
ncatgctttg acncgcn 137

<210> 3485
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<400> 3485
gcggaataaa tgttttctca ttcaaacagc atcccaggnc gagcatctan nccangattn 60
tataatcc 68

<210> 3486
<211> 228
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 3486

gcagcgtcag agagaaagaa ctgactgaaa cgtttgagat atataggaaa catcaaaagg 60
tgataaaatt tccctagaat ctccactatc tcaaagatga agaaagttct cctcctgatc 120
acagccatct tggcagtggc tgttggtttc ccagtctctc aagaccagna acgagaaaaa 180
agaagtatca ntgacagcna tgaattanct tcanggtttt ttgtgttc 228

<210> 3487
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 3487
gaacctnttg gaccccttng aataccgnaa ntatatggaa agctggtacg cctgcaggta 60
ccggtccgga attaccgggt cgacccangc gtccgagcgg atgnagcgct ntngtcttct 120
gaggctctng gtgccctgtc cttttc 146

<210> 3488
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<400> 3488
gctgactttt ctgacttgtt tcttgaggga cttggaaaag gggaaggtat tattcacaca 60
gatgtgtgta tgaagcctaa ataacatcca actttttttc caaaaacata gtaagagttt 120
aaccataaat agaagagtaa tattccttta aatttcttac aggcatgtaa aattttatgt 180
gtttatagag agatgctaac tgtcagcata tagtatttat attggggcaa gaagggttaa 240
atcaaatctt ttaatttaag taagcatagt tcctttaaag atcaagtagt atttatactc 300
tgaaaagagt accaagctta gttcagttat ttattcatcc attttttttc tattggttct 360
cctctggggg gaaatggngt tttgn 385

<210> 3489
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<400> 3489
ggnaccantt gctgtgtatn ctngctcngg ttcntcnnct cactncttat tctnaacgac 60
ggattatgtg acagtgaccg aagataagat ggatttgntn attatctcac acgntgtaaa 120
tgttgancct ttttgatctg tttgttngca aaggccctg 159

<210> 3490
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 3490
gggcatggta tcaaattatg taaagaaaaa cttggtaaac aagaaattgt caaatttata 60
atcatagcta cgtatttgaa cacagcgctt agaaattgtc agataaagag ttcaaaatag 120
aggaaacatt ttgaattata tagtgcacaa attttaatag ctatagaaca tttgttttca 180
aatgccatga aaaaatgacc atgaagcaaa aaccacaata ttttttttgtt tgntgatagg 240
taaggaattc angggtccat cctgtcatca caatgcaatg aaacaaaaaa ttagcaagtg 300
gatagcaata aatcaatttt taaaaatcag acaaaagaaa acactgtcct tgtaatgctt 360
gcatttaaaa ggaaataaaa acttatgaaa gagaatcttt attttattta agcagttcta 420
gattatacaa aatgttgaaa catctcaatt tggnctctga ngctagcata atccttattc 480
canaaaattg ntnatca 497

<210> 3491
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<400> 3491
gttgacgcgt tggttnnacc tcaagaccat gcggtangtg aggnngctct gcgtgcgc 58

<210> 3492
<211> 358

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 3492
gcagatcaca gggtgagggc cacctccaca cccaccccct ctggagaagg cctggaagag 60
ctgagacctt gctttgagac tcctcagcac ccctccagtt ttgcctgaga aggggcagat 120
gttcccggag cagaagacgt ctccccttct ctgcctcacc tggtcgccaa tccatgctct 180
ctttctttnc tctgtctact ccttatccct tggtttagag gaacccanga tgtggccttt 240
agcaaaactg gacaatgtcc aaacccactc atgactgcat gacngagccg agccatgtgt 300
ctttacacct cgctgntgca catctcangg aactgaccct cangcacacc ttgcanaa 358

<210> 3493
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<400> 3493
gaaaaaaaca gctctcttta aaacagcttt ttcagccatt ttacattact tattaactag 60
tctaaggaat gttattctgt gagttttaat tacaaaatac atttgtttta atattgtctt 120
ttgaattaac attctgtctt ttagaaatac ttcgtgtagg tcacagtttg tgaaggaaat 180
cctaatatgg ttngnggttg aatgttagtg actttaattc attgtataat ggttattttc 240
catttaatat atcttgaagn agttgttcan agaataggtg ttcataanca tgggacttgc 300
attgaagngg nttgaataa 319

<210> 3494
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3494
gccatcaccg aattngggag ctnttcaaaa tgaagtttaa tccctttgng actttccgac 60
ccgaagcaag gnatcg 76

<210> 3495
<211> 175
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 3495
ttgtttgtgg ngnaaggctg ggtaagccca agaagactcc ngtgggggggg ggccgcttgc 60
ttttgggccg ngangggagc cccaagcccg ggaagcaagc cctcttttcn gaaagngccc 120
ggccgggacc ttcttcaaag ggcggnngga aaacnggaaa gggaaaaggc ccccg 175

<210> 3496
<211> 549
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 3496
gggatttctg cnacgcctgc cggtaccggt ccggaattcc cgggtcgacc cacgcgtccg 60
cncagcttct gtnaccatgg atttaagacc atgttggatc caaaagttgg cctgaaaccc 120
tgaagctgat gcttcacagc tgggctgtaa gtcagacttg aacccagctg atatgcaagg 180
tcatggcgtg cccagggtgg tgacagttga acaaagtgta tagtacgtnn caagcngtgg 240
nantggaaan ntgnatacca aanggacttt gnaggaccaa aggttttaaa aggcaattgn 300
tatnacctcc acactgacta gggtagnggg gtgcattagg tttcaaattg ggnactttta 360
acactttang tgcctgactg ctgttctttt actgacttga ttcaagtcac tcgnagcttt 420
attggtctga accaagntcc ttgttcccag gttacagacc tgcctatcgt tccantaatc 480
ctgtttaact tgaatgaaag ggaatttgcc ttaaatggaa aagttcctng gttttaaaan 540
ngacttttn 549

<210> 3497
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<400> 3497
ncagtgtaac ttacagtttc ctnnaaaaaa naaaaaagta aacctggcag ctatagaata 60
cactatgtgc atttataata gctattttat atattgnagt atcaacattt ttaaattaaa 120
tgttttacat tcacaagtgg tggggagtct tgtcattaag gtgtgtgtaa tttagagtcc 180
agttggtttt cttctgactg cacttgttct catagtagta aaatgctatg cgcatttata 240
ccttgcataa gtcctcattc taccacatgt taaccctcta gctgataatg caaacactaa 300
ctgggggatt ttatttataa gggctctaga aaaaaccgag ttattcacac cagcatcatc 360
ttaactaaca ttcttgaact aggtagtgca gcttttnttg tgttgngtgg ttggtctcat 420
aactaggttg agttttctnc tctgctgagg aaacagtacc gnagctnctt tcttgtggca 480
ttcgcattat anaaacttgg tgtgggggag ggagcccnaa a 521

<210> 3498
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<400> 3498
ggtnatgatc accgagaccg cggcggagcc tacggtccct gcagtgcctg ctgctgagga 60
ggccaccgaa gctcggggac gcgaggagcc ggcgtggccc tggaaagacg ccccgatccg 120
gacgctggtg cagcgcatcc accagctgca ggctgagcgc gcgcagggct tccgccgact 180
ggaggaaggc caccgccagt acctgcgcag cggccctgac tacgacttcg cgcgctaccg 240
gagcacagtg cacggggtga cccaggcctt cgccgccgcc tcgcgggagg tgctggcggt 300
ggaagcagag ctgggcgggc ctcgcaggca gccgctgctc gccggccacg tgcgcagctg 360
caggatctgg agcagacgcg gctgggcacg gtggccctgc tgcagttgat ggangacgcc 420
agagctggcg gggcaaggag gacgctgtac ggatgcagca agctgaaaat gaaggtaatt 480
taaaccatgg aagcgatcaa cgagggtctc caggacctta aggtttgatg cggaatctgc 540
cgagtgatgg cggnttccca aggattgcnc cnaggnnaga tgggaaaacg gggc 594

<210> 3499
<211> 88
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 3499
gattggattt tcggcggttg atcccagggt gnctgagtgg cggtgaccga ggcggngagc 60
ngnngcccgg cgccgaccct gagtgcag 88

<210> 3500
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3500
gnncacgcgt ncgagtttgg taagttttaa gaaatatcat ccaacaaagg nnc 53

<210> 3501
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<400> 3501
aaagagctgc actgtgcgat agtaccgagt acctgatatg aaagcctttg ccctgctaat 60
tcganttggg nttngctctc gnacngggat ccatttgcgt gtt 103

<210> 3502
<211> 161
<212> DNA
<213> Homo sapiens

<400> 3502
gcggacgcgt ggggccctgc agagataagg cagctgggcc tgagctagac tcagtgtcct 60

cctggggtag gacagggaca cagggtgtca tgcctcaccc tcccagcagg gctggtgctt 120
caacatctca atttgtacaa atacatcccc ccttcaaaaa a 161

<210> 3503
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (608)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (623)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (645)
<223> n equals a,t,g, or c

<400> 3503
ggatttttct ctgtttggaa acaaaggagg cacagagcat ggatagagat aactcattgc 60
acagtgttca gtgagcagaa tatgaccatc ctagcagcag ggcttctgtg acttcctcag 120
aagataaaac atgctccagt actttacagc ctgttatctt gtcatcattg accccgtttc 180
tctcctcact gctattcttt aaccaaagga aagagctcct gagagagact tgaaagtaat 240
ggttggaagg gtggtttcag tgtaatggat acattctttt tctcagaggc caatcccagg 300
cattgtgaaa gaaatggctt ttcttatgaa gacttcaaat tttcccaact cttttcacag 360
gtgttgggga tgtcctttgc actgaccctg aactgccaga ttgacaaaac cagccagacc 420
atagggctat gatctgcagt agttctgtgg tgaagagact tgtttcatct ccggaaatgc 480
aaaaccattt atagcatgaa gccctacatg atcactgcag gatgatcctc ctccatcctt 540
tnccttttta ggtcccctgt cttatacaac cagagaagtn ggtgttggcc aggcacatnc 600
ccatcttnag ccagcaagac aantctttca cttcacttga ccggnagc 648

<210> 3504
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<400> 3504
gcccanncgt ccggatggtg atggtggtgg tgatcacntn nctgctgagc cactacaa 58

<210> 3505
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<400> 3505
gctgaccctg ggcaagccca ctgccccccc atcccctcac cccgggtaag cccactgccc 60
ctcccgtccc ccaactgact gaccctaggc aagcccactg cccccncatc ccctcacccc 120
gggtaagccc actgccnctt ccaccgcnca ctgaccccgg gcaagccgag tattcctnat 180
ggaccncagg caaggacnct ggcacaacat ggacccca 218

<210> 3506
<211> 165
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<400> 3506
ngccgncacg catncttgta ccggtccggc nttcccgggt cgacccacgc gtccgcaacc 60
tccttttcac cctcccaaca ttgctttgag gctaaganaa acantttgnn taaaccagac 120
atttgtccaa ggagtaaata ctgattcatg cttgctatac tgcnt 165

<210> 3507
<211> 97
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<400> 3507
gacctgtatc cttggccctt ttttttttt ttttttcctg gnngccttcn acattgttcc 60
ttttncctat atttccttcc ctatnagaat caaaggc 97

<210> 3508
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (605)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<400> 3508
nntggnattt cgtagggnac cttcctntgt aaggaccgct ggtacgcctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtcc ggaaaaaggg ctactgtatc tttaaaaaca 120
ggaagttgaa cccaagctgt gaaaagccag tggtgctctg tgcatggtgc tgtgcggagc 180
ctggtgctgt agtgttgtgc tgggactttc ttgactcttg ggcaggtcac atcctacagg 240
agctcagcag accagtgtaa caacagttaa tgcatctatc ctgatccctg aatttccaca 300
ttggacaatg gtgcatgcct cacacctgag cctgcttcct ccatgctgtc attgggttcg 360
ggggcctaca cttaacaatt ttaaagtgca agagtcaaac attttcaaca ngttgctata 420
attttcctcc ctaattggtg ccatttctcc atttgatcat tntcttttt tctttctccc 480
tcttcatcac tttaatatan ctgnctgaaa ntctggtgca ttcattcggn tctttgaaat 540
gagaatgtgg gcttaatttt tgggacgttg cnanaaaagt tggcctgatg ggaacacact 600
tatannacca ag 612

<210> 3509
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 3509
naaaccntnt gganaccctn actataggga aagctggtac gcctgcaggt accggtccgg 60
aattcccggg tggtgctctg tctggaggcg aacctggggc ccagctcggt ggaaccattt 120
tcagctgtgt accccagtaa gtgcttggcc tttcagatca tagtttctct catgtgcgta 180
agaaggggtg ggtcaggatg gaggcggntt ccaaacacca gtcttccatg ccaacatctg 240
ccccctagac ttggcaaaaa ccagaacaat aaggacaatg ccataagttg ttcatgaaac 300
taaatgcatc cagtctaatg gattatcctt tattctgaga tgacgccttc tttntttgan 360
attnaaaagc ccttttggaa aatnaaanga t 391

<210> 3510
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 3510
ggtttatttt actgttttat aggaaacttg ggaagtaagc aggacttncc aggcctcttg 60
tcttgtgtta tggggaacca caggacccat caggcatttt tagtttcatt taccaggcag 120
tttattgatt gcaacactta gcatacatga ttcacaaagt tctcattctt gataattttc 180
tgcccaaatg tagcttcctg agaagggcan gagtgatcca tcacgtggng ggtgttcatg 240
tttctggttg gctccagccc cttcccttga atcctgtgct ttaacagctg gaatccttca 300
gtgtgtttgg gtggctcact gcttatcaaa tattcaaggc ctacaaccat tgcagccttt 360
ctcatacctc cactcttgaa gcttctgctt aggctaactn ttgtctcttc cctgccttta 420
attgaaactc tggaattctc tgggcctttg nttttaccta tttcctgttc aaagtcttgt 480
aattattggg atggaaaagt gacaaactct gatcatttnt aagaacactt gtaaaatngg 540
cangcccctt ccnna 555

<210> 3511
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (559)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<400> 3511
ggtaatttgt actntgaact aaccataaca ctatacatgt gttaatacat tttgttgtaa 60
catttaaaaa aatgtagtta tagacttgat ccatccacca ccctcagatg cagatagaaa 120
atttttgaga aaattccagg gatccaaaga caacctaaag ctaatcttgg gattccttca 180
tatttcacag tacagaagat aagtcccatt tcaaaagata atacaggaaa tgataaaatt 240
tatgtctttg agagaatagt tatgttctta gcatcaactt tgataaaggg tagatgttcc 300
ttatgaacta atncatcttt catttgggtt ggttctttgc tnggtncaga ggtnttcata 360
ttttggttac agtgatactg gnnattaaag ngcttaataa aatggttaaa tataaattat 420
atccatgant tatataanat agatggtttt attggtatat gntatttaaa tttcaagttt 480
atgctgggta ttactacang nttattctga gatggtttca tggcccnaat tttaattgat 540
attgggatcc aatggtttna ccggantttt ataaag 576

<210> 3512
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 3512
cactggagcc tctgctgtgc ttctggaact gcccaactcn ctgggnaggc ccaagccacn 60
aagtnacgga aacaactgcg ttttcngccc ataatgaacc aga 103

<210> 3513
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (568)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<400> 3513
gccggcggcg ctgggaggtg gagtcgttgc tgttgctgtt tgtgagcctg tggcgcggct 60
tctgtgggcc ggaaccttaa aggtgagtaa ctctcggtgg ctaatgagaa gctacaaaag 120
ggtccgcttt gctggtgcgc gactgcgcgt ttccgttctt tactgcttct cgcggcgtcc 180
gtccgccccc cgccttcctc acgttcaggc cgagcgccgc gtgggccgca gccggaggcg 240
gcggagccga gggggcgcgg gcggcggcga ggctgccccc gcgaggaatg cgggatcctg 300
gggttccccg cacgtggctg gtgcccaggc agttccgcgg ttgcttagag acgggactgt 360
ggctgccctc atccccattg cgtcttttttt ttttttttttt tttacctcca ccgccttcta 420

gtctcaccga aggcttgtgg ccatctctgt aaagtttctg gggaggtggg cacggggtaa 480
acgccggagg gttctgtgga gcctatggga ctgactggag gccaaagaac tttgggccgc 540
anatgtacac cancgtcact ttttttngnct gttanggcct t 581

<210> 3514
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<400> 3514
ggtcttcttt aggtagcaga ggtgcagaaa ggagtataga tgacataggt cacctcattc 60
atgaangcct acagaatctc ctgtccctnc agccacanag caacntgatt gtactaaaat 120
tctagaacnt ccatatagta tacatgcttt ncagcactag anaggcgtac aggtaagaga 180
taattagact g 191

<210> 3515

<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3515
ggaaaaacac aagntgtatc agactcactg attttcatca gngtnnaccn caagtgggtc 60
ttcctg 66

<210> 3516
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 3516
aagacttcan atgannatcn tgnactatcc ttaaagctgg tacgcctgca ggtaccggtc 60
cggaattccc gggtcgaccc acgcgtccgc ccacgcgtcc gctgttctaa cagacatata 120
aaggaagtgc tatggatgga agcacagagg aagaagaggt taatagtgtc taagaaccta 180
gaagggatga agatgaaaat tgagatttga aaggtgagaa agncattaag acaaggatga 240
cttaaaggta ttccaaactc ctaagaaata cagggagttt tggtggatgc agaatgattg 300
ncgaaggctg tcaaagtttc nattaacnga aatctcttan tggtaan 347

<210> 3517

<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 3517
ggngatntat nagctagaga ggtnttccgt actacaggga aagctggtac gcctgcaggt 60

accggtccgg aattcccggg tcgacccacg cgtccgacgc catccagcca ggacatctgc 120
aggtaacact ctgcttcaga tgctgccatg atcagtgtgc agccagaaat aagcattagt 180
gtctgtaggt tcttgaattt ccatttgctt aatcaatctg cctttggtct aaacagttgg 240
cgagttttat gtgtggtttg ctcaccaagt tacccatgct agtctcattt cttcactatg 300
atgtctattc tcttttaaaa ttgcttttac tttctgtgct tttatcccac tgttctgcat 360
gcagttccag tgcanngtnt tctgatgntg naccaca 397

<210> 3518
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<400> 3518
ccaagtttnt gggtnaaatt accgccacgt tcaactttat taagggggg gaaaaaaggc 60
nttgggggtt aaacggnccc ttggccanag ggttaacccc gggggttccc cggggnaaaa 120
tttttccccc cgggggggtt ccggaaaacc cccaaacggc cgttnnccgg nttgggggc 180
cttaacntta accggaaatg ggggccggaa atggaaaagt tttttncgga 230

<210> 3519
<211> 164
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 3519
gcccangcnt ncgtacaatt ccnagcattc ctgtggtgcc agaactacct tgcccgaaag 60
cctgtgcgag atttaccccg tnttncgcct ncctccnacc ggaaaactct gaggacatga 120
atagtcgcca ggcttggngg ctcttgctct cccaaggcag agga 164

<210> 3520
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 3520
canttcccag gacgccccat tgntctccct ccgctttcct gcccggagga agccacaccg 60
tgtctttnca gggggccagg aaacagntgt gggccagagg aatggagggg ctgtgggatg 120
aacacgatga cagccganat tcgactctgn ccana 155

<210> 3521
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<400> 3521
gcccacgcgt ccgggttgtt ttccttnaat ctcncnctac cttcctcaga acctgntaca 60
aggaaagatt tatagactcg aaagcgtnaa tgactgatna gacccatatg attgctcctg 120
ntgtntctga tattttaaaa aatngantta taaagagata aaaataaata atnaatggaa 180
aaacttntgg catgggagag acatttaggg aaagaagtca tttcagcctn ccnnaacaca 240
cacatgcaca cacacataca gnctatatca cacaatggag gtgaggaccn antcaatcta 300
ggctcatgac tggctccatg ggacanatgg gtgggacaag tcatcctgct gcantcaggt 360
agcagagann accnaggaga ctangatgac agagacaaaa taactngaga aaagatacag 420
gagctanggg gagagggtng aggtttgacn aagctctctc ttcccantaa gggagagttg 480

gaagccacag atgtaggtac agcccnttgt tttccagatg atgaaacagg ngcngtgatg 540
ttaagagccc ccagtagtgg tncatgtacc nag 573

<210> 3522
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3522
gctatttcta gaatcgcgag cggccgccct ttngggttng nttttnggg gngaa 55

<210> 3523
<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 3523
gccaaataat aactccagat ttcataattc cagtttttac attccgttat ctttctggta 60
caaccattcc cattcagcct taaatctgag tccttttttag cagcaacttt tttcctggga 120
tcctccttcg tggtcttcta agtcagtgtt agttttgaaa tttttggccc tgcataagtt 180
ctgcatagca tctaatgtca aaatagaacc aactggtaat cacagtatta tttagtgtgg 240
tttccatgac aacaaaaata catacgaaga aaacttctca ggttactatg ctgaaattcc 300
aaaatgtctg agttttgaat agtgatcact ttgttctggt attgacgcaa ttatattagg 360
aaaaaagttg gttgactgtt tttgtttaat tgacttctaa aatgttcaaa ttgtctantt 420
ctaaaagttt actaaatgcc tagtgcagtt aaacatactc ttgnttaaag ngtgtgttgc 480
taaaattttt tactgncatt acttaaataa tctgngtggc aaaaatgtgt ggtcaagcan 540
tnttcccctc ctttttttat cctcctattt tcaggnagtc aaa 583

<210> 3524
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3524
gcttaatgat ggattgagtt atctgggtgg tntntagcca ntcatgggca nngta 55

<210> 3525
<211> 91
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (85)
<223> n equals a,t,g, or c

<400> 3525
ggaaaacccc ccattttcgg gctaaaatna ccccacttca cnttaatcag tgtggtaaaa 60
agncctgggg ctcaccggca ctngnccagg g 91

<210> 3526
<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3526
ggngctgggt ctctnngtcc cgcanccgtg aggaggacgg tctgcatact cnctgcccgc 60
cggctccctc ccccgcgtcc ctgcnaccgn cgnggntaag atggcctaag gagtgcaagt 120
atctgatgaa gtatgtt 137

<210> 3527
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<400> 3527
aaacgtaaat aagtggcgag aaaaaggact tngggataaa ccggacacat ggncgaangg 60
gataaccccg gggggnacnc gggggaaaat gtgacgcacg ggggg 105

<210> 3528
<211> 50
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 3528
gttgccatag catgtgtggt aggtgttnct gnattttgtt tgtngaaaat 50

<210> 3529
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (529)
<223> n equals a,t,g, or c

<400> 3529
gatcncntgc attcantacn gtnttaaata nnnacnnnan ttgngangac tataactcgn 60
gtgtctactg gacctcggga accaaccaat ctanaccttg tcagccngat agccaaccct 120
aggcgaanat agccccacct agggggggccc cacctctcgc tgntggngct cgcgtgtccg 180
taactctttg caccccttta actgtggtaa ggnagaaggt ccctcctggg agaccctgng 240
cgnacgcgaa ncaccgtgcc tcagttctcc aatgtaacaa ttggactcgt ccttgtcgat 300
caagtcggtt cttggnatta gcccctaggc tgtccaantt cgcgcacaag cangaggaac 360
tagcaanngg aggctaggat tgggtagggg tatgagggtg cgttgttnaa cctgtctctt 420
nggcacccct ctnctctcct tcttggccac cccttangca attttgggca attggtcccc 480
ttngacctcg tgttatgcca attctntcca atttaaccat ncttggaant tggc 534

<210> 3530
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<400> 3530
ggtggcngca gtctggggtc gncgncatcn actgctcntg ggccaggcat ggacaa 56

<210> 3531
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<400> 3531
ggctggcata gtggtgcaca gtttactgta acagctcagc ccacctccag cagacagtgc 60
catccaggaa accaggcgct gccaggaatt ccagccctgg ccccaccttc ccttcagcag 120
tccgtgttgt ctgggtagtc tgtggccagt gtagccctgt tgcagagtga ggtctccgct 180
gaaaggagaa ctggcgtggt cgttgtttga aaagaatcag gccccagcaa ggttcactgg 240
aagctaacac tggacgcagc agagtctggg tctgacagga ggtcagcgtc accattttga 300
gggtgatgga catgttttct gcactctagc actgtgtgga agcgctggct gacagcagcc 360
tggctgtccg aattccaaag aaatgggctc cttctaaata ttcaggtgct gctgcatact 420
cgggagcaca cgctttcctt gcccttgcan gtgggggtgt cctt 464

<210> 3532
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<400> 3532
ggggaaataa tagggaaaat acctatttta tatgatgggg gaaaaaaagt aatctttaaa 60
ctggctggcc cagagtttac attctaattt gcattgtgtc agaaacatga aatgcttcca 120
agcatgacaa cttttaaaga aaaatatgat actctcagat tttaaggggg aaaactgttc 180
tctttaaaat atttgtcttt aaacagcaac tacagaagtg gaagtgcttg atatgtaagt 240
acttccactt gtgtatattt taatgaatat tgatgttaac aagaggggaa aacaaaacac 300
aggttttttc aatttatgct gctcatccaa agttgccaca gatgatactt ccaagtgata 360
attttattta taaactaggt aaaatttggt gtggtccttt tagaccacng atgcccntnc 420
anaccccatc ttgctctaat gatcaaaaca tgcttgaata act 463

<210> 3533
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 3533
ggggcagggc tgagagcttg gcagagactg gaccatggcg tccccgcccc agggctcgct 60
cgtgtccaaa gccaactcca agctgtgaac actgtaagcg ctcgagtcct cctgggcagt 120
gcagcaccgc ggcccccgcc cgcaagcctg cttggcgcag cgccttgctg gcagccggcg 180
cctcctagcc cgccctctct gggctggctt gggcttctcg cttactctac tctcctccgc 240
tctcggtcaa ggtcggcggc cttggatgct cgttcgcttc tctttttaaa atgtcttttt 300
gtccctcccc acctctttcc tgtgatcatt tattcactcg gtccccgccc gccaacacac 360
acatttatga acccccactt ttttttttcct tctccttttc cttcccctcc tcagggagcc 420
tcctcnttca gtcagtccat ttgtcccttg atctggcctt tgttgtcctt aagtccccac 480
ggnttnntnt tcacaagatg aataaaattt 510

<210> 3534
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 3534
gcatatctga gctgtgtatc attttgtact ccatagaggg gctattgtga agccacagcc 60
aaaatgttga tacaaaagat acgttctaat acttattcat tcattgacta tatgagaata 120
gctcagggcc tggtaaaact ctggcaaaca agagatattg aatgaagtag gggatggcta 180
atgatatttg ggaggttgag accagaatca gtatttggac aataatggag taatactgca 240
ggttgtcttc ctccagtctg tccctaaaag aagagcaatt tagaaaatgg caatacccag 300
caatgtgttt aaaatgctga gcaagtcgta aaaagaaata tcttgtccac gttatgctga 360
ctatcagagg tctcctggtg ttgcactgtt actgggagca ctgctaccat ctttaaaaat 420
gtaaatccct gctatttgct atccccctgg ggctcctgtg tnaaaa 466

<210> 3535
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 3535
ggaagattta aggaagaaaa cttttcgatt tcctttgaaa aatagaacac aaaactggct 60
tgtaaatgtt tttagaatga tgaataagtc attaattaat tcagtgacgt atgttttcta 120
ggatccctct ggctgttgtg ctgagaacag aaggggtcaa gggagtgggg gagtaaaaat 180
ggaagcaggg tgacgcatgc aggagtccag acaaaagacg ggtgattttg ctcaggttgg 240
tagcaacaga ggtaatgaga agtagttgga ttttggatat attttgaagg aaggacctat 300
aagatttgct gatggcttan aagttaggta tgagttaagt caaaaatgat accacagttt 360
ttggcctgaa caactggaag gacagaatta ccattaactg atatggggaa gaccgtggaa 420
agaacagttt tttggcattn ngataaataa tacacn 456

<210> 3536
<211> 447
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 3536
gggcctccat aggagtgaca tttgctggtg tcagaagctt ggcaagaggg gaggatgatc 60
agaccctgca tggacagttc gaattggagc tctctgcaga gtccaggaag agagctctgg 120
atgggaggga agccatgggg tggaaaagat agcttccaat ggaaggcagt gaaaactcgc 180
cataagtgaa ggagaagaag gaggccaagg agaggggca ggaatggcag ccggcagcca 240
ggcggtcagt ggagcaggtg ctcaggaggc ccacaggaga gcttcgtgga aggagtggac 300
agtgtctgag gcaaggggca aaaggcatct gctggagctg gtgaccccag cttggtgccc 360
cccaaagcca gagtacgagg ctganaggat gcaggtgtcc tcctaggagg tttgagtcat 420
aangcacgag gcagaagcan tggggga 447

<210> 3537
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 3537
ggacctgata agggaagatg aagaataaga aatgcctttg ggacatncag atatgaaggt 60
ggaagaagtg gttggtgctc aaggaagggg tctgagctag aggtagcaat gaggtgtgaa 120
atatntatgg atggaagttt aagttacggg catngtgctg ttacttacag agagagacca 180
nagtgatgag gatgnttaag attgancntc tgaggatcnt tnacattgaa aanncanngt 240
ataanatgat aagncagaaa aaggggcaag antgtaatca gagaggtaga gaataancta 300
gttaagtata tanagnatgc aaaggacagg gagcatttct ggaaatggng atcagggtta 360
aaggctgaca gatggnaa 378

<210> 3538
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<400> 3538
ggaaaaagaa aagatggact agtgttcaga tgctttcctt gattcagaat cagcatgcct 60
cttaaatact gaatatacta agatacacaa aacagtaatt tagctttttc atattgatac 120
atgaacttag tatttgatct cagcaaattt agtaaaataa tcaggagctt ttgatttgcc 180
acaaaaaatc attcctctaa actttatgaa ttgagaaaac ttgtctttat ttgatgattc 240
cagttttgat gttttgtgtt attggtgaag ttcagaaact cagaaacata gttgattcca 300
tagaaaattc aattcttgaa gagtagaact ttgaaggtgc aggatgaata tgtgtgttat 360
gaatatgggt catactttat gcttatgtaa ctgaacatgt anttttactg gggcttccct 420
ttcttcattg caaaaataca acttatcctc antacntaat ttattgacta ctacacnta 479

<210> 3539
<211> 142
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3539
ccgactactn tagggaaagc tggtacgcct gcaggtaccg gtccggaatt cccnggtcga 60
cccattcgtn cggtaaaaaa ccgttaggtc ctggnattna tnaaatcacc tttgttagaa 120
aatgctgcgc cttttaatgt tg 142

<210> 3540
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 3540
ggcacgagct cgtgccgggg ccatagctgt tactgaagga agtagcctac gtccacgcct 60

acaactgaag tctcttgaca aacacctcac ccctgcctcc gggatgaaag ggggtaacct 120
agacctgaat gggcttgacc atctcacaac tgctcgcgtg acgaccgcat tcgtggcagg 180
taagaagatt gctgtatcaa ctcaagaaag cagtaacttc actgtctttg tattttgaat 240
tgcaacaaca actgtgntat caacaatgaa gcaatgatat ctaagaacaa aagagtattt 300
gccaacagtc atcataanat caagtgnttg nataaggcag aacaagctgt cacagaccng 360
tgcgtcanta atatatgggg at 382

<210> 3541
<211> 460
<212> DNA
<213> Homo sapiens

<400> 3541
ggaactagcc cggttgatga gcatgttgat attaacggcc tggcttggcc aaagcttccg 60
gcccagcacg ctttagcatc agctggttat tctgagaaca ttcttttcaa aacactctac 120
aggacaaaca ggccgagagg ttcctttgtc cacagctggc ctctgaaact gagcagactc 180
tcaaagggtt gagaagaacc ccgaggaggc tatcgtctgc actcagaggc tgaaacgttt 240
gaaaacaggt gcgggagggg gcggggagga tggtcagtga cagcacattc ttcagcaaac 300
atgtgtcatt tgtgctttta ccagagcgga gttttaattc ctaaaatata acagcctggt 360
gcaggggctg gaagaagagg gcgcgtttta tgtgcaactc tgctaagggc ttggttgctg 420
aatgaaaggt ttggttccat ggaggttcag gtacctttcg 460

<210> 3542
<211> 125
<212> DNA
<213> Homo sapiens

<400> 3542
aaatgaaaac accatagttc tgctcagata acccaaattc actaatgttt tactgttcga 60
tataaaataa aaatgaaact atgtcatgct gataatgttt accaagttat acttgaaata 120
agtgt 125

<210> 3543
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<400> 3543
ccacaaccat atgatgagag atacagggtt taaacatgga caactcctgt taaaaccttt 60
atcaatgtgt tcatcaactc agtaaccaca gagttctgtc aacagctaaa aagagtttag 120
aaaaagagga agagctttgt ttgtttactc ctttgctgtg tacatccaaa atacaatggt 180
gggagaagat ttgttctagt ttttcccaaa gatactcctt agggaatgca ctcaaaagaa 240
caaaataggt tttctatgac tccacagaaa tagaatctgt agtattattt ttgcttaaat 300
gtgattaggt gtgaacattg ctttgttatt tgtttcctga ttccagattt ggaatanata 360
gcccttgata caggatttgg agaagatttt ggtattaatc aatcatagac ttcaggagat 420
gatttcaata ggtccttttc tggaatttca tttcagtata gaaactgtat gggcagaatt 480

tttattatta ttattattat 500

<210> 3544
<211> 358
<212> DNA
<213> Homo sapiens

<400> 3544
cttaccaagt ttaaacacaa aatttatcat aacaaaaata ctactaatat aactactgtt 60
tccatgtccc atgatcccct ctcttcctcc ccaccctgaa aaaaatgagt tcctattttt 120
tctgggagag ggggggattg attagaaaaa aatgtagtgt gttccattta aaattttggc 180
atatggcatt ttctaactta ggaagccaca atgttcttgg cccatcatga cattgggtag 240
cattaactgt aagttttgtg cttccaaatc actttttggt ttttaagaat ttcttgatac 300
tcttatagcc tgccttcaat tttgatcctt tattctttct atttgtcagg tgcacaag 358

<210> 3545
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<400> 3545
gtttggcgtg acatacctgg aggactattc ggcagagtac atcattcagc aaggtggctg 60
gggcactgtg tttagtcttg agtcagagga ggaggaatac cctggaatca ctgcagaaga 120
tagcaatgac atttacatcc tgcccagcga caactctgga caagtcagtc ccccagagtc 180
tccaactgtg accacttcct ggcagtctga gagcttacct gtgtcactgt cggctagcca 240
gagttggcac acagaaagcc tgccagtgtc actaggccct gagtcctggc agcagattgc 300
aatggatcct gaagaagtga aaagcttaga cagcaacgga gctggagaga agagtgagan 360
caactnctct a 371

<210> 3546
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<400> 3546
ctccnncccc cccacctngn gtacccacaa gggcacatcc ttgtcacctt tgccccagc 60
cccccagact ttcagccaca gcttctttct caactgaaga cctggggaag gggtgctgtc 120
tgtgttcttt cttccacttc tgccctctcc tagccttgag ggtagatggt gtggttcttc 180
agtattggat agtgcctgct ctgcggacaa aggagaagtt taaattgtcc gtagagaagg 240
gcatatgatt ggggcctttg ggaaatggta ccaggtgaga agggggagca tggaggaaag 300
atgtaatggg tactccttct tttcaaagnc ttatccttta aaggaaaggc ggtctctgga 360
gaaactg 367

<210> 3547
<211> 452
<212> DNA
<213> Homo sapiens

<400> 3547
caccttcaaa ctgtcacttc acgcaagact ttaaaactgg ataataatat tgcctcatta 60
tgttaacttt tacggatgtg aaaagaatga tccctaaaag tataatcata attgttatct 120
aataactatt ttaattcagt gtgaacatat gcatattctt atattacaat ttctaaaata 180
ggaggcttga gagatgctat agtccattct ttgaatgttc tgatgaagcc caaaaagagt 240
tagtaaactg cttaacataa catggggact ttgtgtcaga gcattcagat gaggcttaag 300
atatacttgc cctgcatctt tctaatatag agtgatagat gacttttaaa aatgtataaa 360
gcatctaaag gctgcacctg gagtgatact gaagtaatga tttaacttac ataaaagctt 420
ctttttttctt atttaaacta ggaaaacctc tg 452

<210> 3548
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<400> 3548
ggcagagata ggatacattt gnattctttt ctattttaat aggaactatc atttcccagc 60
atttttaagg atacaatctc ctaattaaat ttaaatgata taatatccta attaaacagt 120
tattataaaa agtatagtgt gctccctaac ttttgacatt tcaaattttt aaaagaaatt 180
taaaacatca ccactagcct gcactaggag cagcctgtaa taacagtttt taaaagcttt 240
ctgaactatt tgacaagatt tcttagtgct gaggccatat gctgtagcct ttaagctatt 300
tcttcctatc agtttcatta tcacctgcct ctgagtctcc aatatcatca gtaagcacat 360
gcagaatcat aattatgcca tgtacaagtt ctttgataac atgtacagtt ttcttcttaa 420
ttctttatca aatgcattga tcgtgg 446

<210> 3549
<211> 531
<212> DNA
<213> Homo sapiens

<400> 3549
ctctgagctg ctgccacctg ctgggctgga gctggagctg gagctgcgaa ttcggagtcc 60
cggttccctg tgccacctgg cgagctcagc aaactaaaag tctctttgtc ttcatcgttt 120
ccggcactga tgtgagcaca tcataagcac aagacctgga cacctttaca atcagagggc 180
ctaggactgg agctctggat ctgaccggag caaagaggaa gcacgcaaat ccggacatga 240
cgacgaggag gcagtagaga cccatcctca actgttcttg tcctagagcc tctttcccta 300
cttctaaatg agtggaaagc cacccacaag cccgtgagtg aggatgccct tggtaaaccc 360
aggtgatcac accctgggca ggccctgccc cacagggccc catcccgctg ctccccagcc 420
tgtcctcacc aactgcccag gcaggagcaa agcccacggg gaggacctgt gaccacaggc 480
aaggaccacg gaccccagcc ccagggattt tgacctcaag aaaggaaaca t 531

<210> 3550
<211> 531
<212> DNA
<213> Homo sapiens

<400> 3550
ggctaagcca ggactgcttt tctggagtga taatgtgctt gcctgtgtct aagagaaagt 60
accctggctg ataaatggga cttggatttt aaataccatt ggataataaa tgtatgtgat 120
ggctttggag caaattgatt gacaatggct aggagacagc ttcccaaggc tggaaagagg 180
ggagtgcgga acatgcctcc accataccac tgcccacctc ctgtgacctc tgcagcaaaa 240
cctgaagccc caaagaggca gcttctcaaa gtaaaagtgg aatgaagttc ctggtgacct 300
gaattcccat ggaggaaaga ggaaaaggac attatgcaag gagatggcat ctcgtgtccc 360
tggtgaacca attccattag gaagacggtg cagtgtgagg tggacctgga cctggataaa 420
atgggtgttt aacaagtatt tgttgagtag gtggtggagg aggcacgact agatgcaggg 480
tctagctgag ttgacaagag ctaacaccag gtgtggacca ggacaggggg a 531

<210> 3551
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<400> 3551
gactcatctc atnaagggaa caaagatgng ctccaccngg tgnggccgct ctagnaacta 60
gtgggtcccc cgggctgcag naattcggca gngcgncctg ggctccagct ttggctctgg 120
cgcgggctcc agctccttca gccgcaccag ctcctccagg gccgtggttg tgaagaagat 180

cgagacacgt gatgggaagc tggtgtctga gtcctctgac gtcctgccca agtgaacagc 240
tgcggcagcc cctcccagcc tacccctcct gcgnctgccc cagagcctgg gaaggaggcc 300
gctatgcagg gtagcactgg gaacaggaga cccacctgag gctcagccct agccctcagc 360
ccacctgggg agtttactac ctggggaccc cccttgccca tgcctccagc tacaaaacaa 420
ttcaattgct ttttttttt ggtccaaaat aaaacctcag ntagctctgc c 471

<210> 3552
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (564)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (685)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (717)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (720)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (741)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (755)
<223> n equals a,t,g, or c

<400> 3552
gctggtattg acgcaattat attaggaaaa aagttggttg actgtttttg tttaattgac 60
ttctaaaatg ttcaaattgt ctagttctaa aagtttacta aatgcctagt gcagttaaac 120
atactcttgt ttaagtgtgt gttgctaaat tttttactgt cattactaaa taatctgtgt 180
ggcaaaatgt gtgtcagcac ttttccctcc tttnttatct cctattttca ggagtcaaat 240
gtagccataa actgtatcct tgtctgacac tttagctaaa aatttccagt taggggagtt 300
tattgccaaa ttaaatttgg ctgttccccc caacccatat agatattaag gaaggtgtac 360
ttaaaaaatg tttggactgc ttttaaaacc tgagcaatgt cattaatcca tatgtggact 420
antgatgaat anatattttc ataagagttt aaatgctgat atttggtgga agtanagagt 480
aactcatatt ctatcaattc aagtattctt actatggttg ctttccctat ttgttcaata 540
nactgataat actggaattt atanagtttg agccattaca acttttgtga ggatgtgttt 600
caaacatttc tggacanatc ttattttgta tttctggaaa aatgttataa tcttctaaaa 660
ccgcttaaaa accaatgctc ccaanctgaa tattcttgaa aaaatttgtt tttattnatn 720
ccatttgaca tttccaatca ntgctccata tacant 756

<210> 3553
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<400> 3553
cccacgcgtc cgcccacgcg tccgtgaaaa tcaagatcaa gcgagctttt gcccttctgc 60
tccacgggag gtttctgtcc tccctgagct cgccttagga cacctgcgtt accgtttgac 120
aggtgtaccg ccccagtcaa actccccacc tggcactgtc cccggagcgg gtngngcncg 180
gnnggngcgc ggccgggcgc ttggcgccag aagcgagagc ccctcggggc tcgnccccc 240
gcntcancgg gtcagtgaaa aaacgatcag agtagtggta tttcaccggc ggcccgcaag 300
gancgngaaa cccgggnccg gggccccttc gcggggaaaa cgggggggng ccngggg 357

<210> 3554
<211> 59
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 3554
gaatcccggc tccgancccc ggactcgcgc ccgcncgcac gcccgcacct tnnccctcc 59

<210> 3555
<211> 156
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 3555
gagcttgnag ggaacgaact tgntagaata cttggnaaaa gagaaactaa ngaaagaagc 60
tgccaaaang cttgagcagt caaaagaggc agatatagat tccantgatg anagtgatat 120
tgaggaagat attgaccanc catcagctca taanac 156

<210> 3556
<211> 482
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<400> 3556
gaagatattt atctatgaag atataaatgg tgcagagaga ctttcatctg tggattgcgt 60
tgtttcttag ggttcctagc actgatgcct gcacaagcat gtgatatgtg aaataaaatg 120
gattcttcta tagctaaatg agttccctct ggggagagtt ctggtactgc aatcacaatg 180
ccagatggtg tttatgggct atttgtgtaa gtaagtggta agatgctatg aagtaagtgt 240
gtttgttttc atcttatgga aactcttgat gcatgtgctt ttgtatggaa taaattttgg 300
tgcaatatga tgtcattcaa ctttgcattg aattgaattt tggttgtatt tatatgtatt 360
atacctgtca cgcttctagt tgcttcaacc attttataac catttttgta catattttac 420
ttgaaaatat tttaaatgga aatttaaata aacatttgat agtttacata aaaaaaannn 480
nn 482

<210> 3557
<211> 60
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 3557
tncaagatgn cggagcagga gtnggtggct cagttgtaca tgaccctgaa ggncnaggag 60

<210> 3558
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (567)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<400> 3558
cccacgcgtc cgtaaatgag aagtaaaatt ttctaagtta ataaagatga agaatgggtg 60
actattatga tgaaccataa ctaaatgtct tattaaagca actgagtgtc tagccctaaa 120
ttaaccaggt aaaaactgtt aacactaacc tgaagttttg tgaataactg ttctttaact 180
tattgagatg ttgcaagaaa tgcacatcca gggtggactg ggagctatga aatgactaaa 240
ttcctccttg cagtgtttac cttcaagatt gtataggtaa tctctcctct tcttccccca 300
gtccccatta cttattgcac actgttttaa ctgactccgt tttgatatta atcaccagga 360
ccataaactc atcaanagga atttctggag tatactcacg actgtcnttg atttangttc 420
ctaaattttt ttaggatagg gtanggttgt gcctgggcag aaattccttt ttgggcctaa 480
atttttaact ntccntttcc ccagcttggc ctggagtcct ccccttaanc cggggttttc 540
ccccttaanc acccaatgga tgggaanccc ngg 573

<210> 3559
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<400> 3559
ggagnaattg gtcaaaagtg gctttttgtt tccccaaggg gaaagactgg ctttgtaatt 60
ataatttttt ccttatttat tttacttaaa actggtagag tctaagtatt atatgaagtg 120
cccatgattc tgtcagtaaa tttgaacata tttttattag ttaatgtcag tttaagttgn 180
ccttttgttt gnttctattt ttaaggtgaa ttttaatttc tatctgaaat cagttaagat 240
accttgagaa aaactgcagt gagaggagat aaatatcctt tttcaggagg aactgatatc 300
tctggctaaa tatttgcctt ttattatggn ttctaaatca gctattntct tcagctttaa 360
tttcntaaaa ttaannaact attttaaaaa ttcctgtaga tggtggaaat aantaaaaat 420
tcctggcgca gtggg 435

<210> 3560
<211> 409
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 3560
gattcttttt ccctttcgtn actttgctca tgtactgtat tccttcaact tcattaatga 60
atccatttgg aagcagtgaa aaaggcaact cagaaagcta agaagaaata gatagaggaa 120
tactcagagc tatctgagta ttttctttag tttgttagct ctttggagct ttgaaactgg 180
aaagacccag ggagtgatgt ggagaaagag actgagcttg taagacacag gagcagtgag 240
ctaagggaga tggagnagtg gggacaaatt ctggcacatt ctgtctacac tctgggtaga 300
tagaggaggg aggatggagc acccatggag ggggtatgtt ggtgacagca ttttcccacc 360
agccagnngt aacaagnggc tgatttgggg gaaangatgg catacacna 409

<210> 3561
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<400> 3561
gaagaaagct acatgaatta attgtactct atgggaaaat ttntttggaa agatattttg 60
naaaantttt ttttccaagt anaaacttta tgaaacttgn t 101

<210> 3562
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<400> 3562
gagataaggt tcaaaagtgt tataagaaga tattcctttt tttgtcctag agaacttatt 60
ttcctgtgaa aatgcctacc acaaagaaga cattgatgtt cttatcaagc tttttcacca 120
gccttgggtc cttcattgta atttgctcta ttcttgggac acaagcatgg atcaccagta 180
caattgctgt tagagactct gcttcaaatg ggagcatttt catcacttac ggacttttc 240
gtggggagag tagtgaagaa ttgagtcacg gacttgcaga accaaanaaa aagttttgca 300
gtttttagaa aatactgaat aattctttnc caaaaaaaac ctntgncatt tcggggggan 360
tattcctggt tccctggngc ctgaagtttg aat 393

<210> 3563
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<400> 3563
gaaaagaact ttcgagactt agaaaagtag ccttcgtatg ccagatacta gcatattatt 60
agcaatctag aaaattcagt tgtatggcct ggctcattct ctgatactgg ataaaatgat 120
tcataatcat taattcaatt ttnattagtt atgttccaaa atgncactga gtattttaaa 180
caaaagtagt aggtaagata actgactata aggaatgagt acagtaattt tccttttct 240
aggncaccaa caatggctgg aggtttgttt gccatgaaca gacagtattt ccatggaact 300
tggacagtat gatagtggca tggatatctg ggg 333

<210> 3564
<211> 158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 3564
cacagangca catcagtccc gangcttcct gtgaggtnna cgctccgcag cccagcccag 60
ccgggagacc acgtggccat tggcggtntc ctgaccttgg gccagtgaan ctgccagcct 120
tccangagca nggcggccgg agagctgccc ctgnagta 158

<210> 3565
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 3565
tcgacccacg cgtccgccca cgcgtccggt gnttagtatc cccgncctgt gggcngccnc 60
agtntcccct cctaag 76

<210> 3566
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 3566
ctatntggaa agctggccgc ctgcaggtac cggtccggaa ttcccgggtt gacccacgcn 60
ttnggttttt ttcttcagta acaanagaaa cccnagttgg gagtttaaca aataactgac 120
taccactcac tcatgcattt ntatttccaa ttaaagcaaa gcactgtgct gtgctcagat 180
aataatagtt ngtaagnaaa agtttttagt tttcagtgnt caggttatag aatataactg 240
accataaaaa ttacctgcag gtattnactt tttatgaact agnttttaaa ttaccaagna 300
attactggtg tcatttttgnt ttatgacaga nacacgtatc taacaaacaa acaaacagtg 360
ancttctcca tgggtcaagg acttccntac aatntctcct gagtnaactt ttgtgaaaat 420
aatacctaag gnt 433

<210> 3567
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 3567
gggggggtcca gtctgtgatc cttggtgctg tgtgccccac tccagcctgg ggaccccact 60
tcagaaggta ggggccgtgt cccgcggtgc tgactgaggc ctgcttcccc ctccccctcc 120
tgctgtgctg gaattccaca gggaccaggg ccaccgcagg gactgtctca gaagacttga 180
tttttccgtc cctttttctc cacactccac tgacaaacgt ccccagcggt ttccacttgt 240
ggggcttcaa gtgttttcaa gcacaaccca ccacaacaag caagtgcatt tcagtcgttg 300
tgctttttg tttgtgctaa agtcttacta atttaaanat gtgtcggcac cagttaatta 360
atttccatgg tcagtcagct tgctgtcttc gtgcgagtgc angctnncct gttgggtcca 420
gcagcagggc atcatgtann tggcgacagt gaac 454

<210> 3568
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 3568
gcttggccga gatcggcgcc gtgactctgg tcagcgcccc gcgtccagac tctcggcacc 60
acagcctggc cctgacatcc ttcaagcgcc agcaagagga gagcttccag gagcagagcg 120
ccttggcagc tgaggcccgg gagacccgtc gtcaggagct cctggagaag attacggagg 180
gccaggctgc taagaagcag aaactagaac aggcttcagg ggccagctca agccaggagg 240
ccggctcgag ccaggctgcc aaagaggatg agaccagtga tggccaggct tcgggagagc 300
aggaggaagc tggcccctcg tcttcccaag caggaccctc aaatggggta gccccttgc 360
cagatctgct ctncttgtcc anctggccac tgcaggcctc gaccggtcaa ggncaggccc 420
ctggactggc ntgtccagtc taaagactgg cccacccggn cgcct 465

<210> 3569
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 3569
ggggagacnc gcgggtctgg ctgcgagaga ccatgggggc tcagctaagc ggcngncgtg 60
nctgcccn 68

<210> 3570
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 3570
taatggngaa tggnaaattg taagcgttaa tattttgtta aaattcgcgt taaatttttg 60
ttaaatcagc tcatttttta accaataggc cgaaatcggc aaaatccctt ataaatcaaa 120
agaatagacc gagatagggt tgagtgttgt tccagtttgg aacaagtagt ccactattaa 180
agaacgtgga ctccaacgta caaagggcga naaaccgtct atcagggcga tngcccacta 240
cgtgaaccat caccctaatc aagtttttg gggtcgaggt gccgttaaag cactaaatcg 300
gaaccccaaa ggnagccccc gattttagag cctgacgggg gaaanncggc gaacttggcg 360
agaaaagcan gggaagaaac cnaaaga 387

<210> 3571
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<400> 3571
ggcacgagct actcagagga aggggcggtt ggtncggnct ccattgttcg tgttttaagg 60
cgccatgagg ggtgacanag gccgtggtcg tggtnggcgc tttngttnca gagnaggncc 120
agaggagggt tcaagccctt tgttaccaca tatnccattg gacttctatt tgtgtgaaan 180
angccttttc ccgggtcaaa gncagcaact gtggaaactt tctncaatga gg 232

<210> 3572
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<400> 3572
tttgcaagtt acttgaaaag gtttgtgatt ttccaacgcc ctgagtaatt ctagccaaaa 60
tgcgtgactc gcctcacact agatgcttgc tgtaattgtg tctctgtatt aaactgaccg 120
ttctttggag cttcggaatg gaccaggagg aaaaggtaaa taccaacctc gntacaacct 180
cagaggnatc aacgnccтcc tgctacagac gcatctgttc tcgcctggnt cctgccggct 240
gccctgggag aggccacaaa atgccctcca cggngacaag gnctgagaac cttcgggacg 300
gccgctgccg 310

<210> 3573
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<400> 3573
aggactaagt nctcattgtn caaatagagc tgttcaacat cactaaaaca tttaagaaaa 60
gccctganat cagtnattcc tacaagttta ngtagtagac agntactatc cagctctaag 120
tctcaactgc tctttaatac tgtacttttn tt 152

<210> 3574
<211> 141
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<400> 3574
tagaacgnna ctccgtgcag agtaccggtc cggaattccc gggtcgaccc acgcgtccga 60
gcatntctan ttgtctcaac ccttnaagca atatgtatta taaactcnga gaacagangt 120
gcaatgtgta tgggaggaac a 141

<210> 3575
<211> 133
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<400> 3575
ttggaanacc gcctannaag gacgcctgca ggtaccggtc cggaattccc gggcccaaca 60
gatngcgcag cctgaatggc gaatgggacn gctccctgta acaggcgcat taagccgcng 120
cggngtgtgg cgn 133

<210> 3576
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<400> 3576
gcgtctccac ttgtggaaag ccacaggaag agaaggnaan accagcgcat gcccagtggg 60
aacgccgtgc tccatggncg tggagggcac gggtgccacc cacaaaccac accangaggc 120
gctgcagcca ccagggcccc aggctcgttt tcctttatag ncgaagcaaa aaacacaaga 180
ccctccgccc gagtaaattc ttcagccacg aagggatgga tgtgcatctg ccctaagtca 240
gattgaancc tcctcctagg ctccaggagg agcatgtgca ggaagggttg gcctgaccca 300
aaaccggcac cccagctcct tcctccagct ccccgcaccc accggccctg acctggcttc 360
ccctcggctg tgtagggaca aagccgaagc ccagtgccat gactgcccgc ggattgaaaa 420
acagaaacac aaaactttga ctttgacttg cgaaattgaa ncaaggtttt catttttact 480
ctcccttggt ttnagttctc agaaaagaaa gaatcctgac cttganaang aaggcccant 540
tgaa 544

<210> 3577
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<400> 3577
gcattatcct gttcagagct tggagatgta caagggacat aggagcaatt tacactgaca 60
cacagctgct gtaccagtga aaacgaggct ttgcaagctt gtacctacta tataacatgt 120
gcttggttga tggccatgca ttttcagtca gaatttatat ataaatatat gcacccattt 180
ttttgagtgc atataattta gacctaaaaa tccttatgat taggtgaaac accaaaaata 240
taaggaaaat aacacaacan aggaatagct tagcctgaac agngngatgg ncccagctac 300
tacatcagat gcggtttttt tgctccctta tgttcttcgg atatggntat ggcattngna 360
ggcttggagg taaagaactg aanataactg gngctggata gaggagcctt at 412

<210> 3578
<211> 89

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 3578
gcacgggccg gaggtcccgg ggctgctggg cgcgggcngt gggctgcgcg nngaccgntg 60
gactgggncc cgggcacgcc ccgccaagc 89

<210> 3579
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<400> 3579
gcccacgcgt ccgcggtacg cgtgggcaag cacctaagtt ttcggggtga cagtccctcc 60
ccctcatcct ttgcagaggt aacccagggc tggagtcggg agaangctga tgacatanat 120
tccaatccct gcctccttcc atctcggacc gttggangca gggcctgcac cccagtggga 180
agcaaaggaa gccaccgctc aaagacaccc ccccacccaa aaaaaagggg aaaaaaaana 240
nactcggtna tngacaaacc ggtttttant 270

<210> 3580
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 3580
aatcacactg tncaaacctt cttctctcct gttaacaatg ggcaancccc caactatata 60
aatattcaca gagnagaaca aantgtgtgt gttnggggggg ccccacaaac cngttctccc 120
cac 123

<210> 3581
<211> 97
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 3581
gcggacgcgt gggcggacgc gtgggcggac gcgtgggcag gaagatggaa tgcaccaact 60
ctcngtctct gtgggtacat gccaggcctg tccattt 97

<210> 3582
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<400> 3582
gcttcttaaa attaacgcac tnccacttaa ttagngggaa aaaagcttgg gttaccgcct 60
ngcnagggtt accggggtcc ggggnaaatt tcccccgggg gtccgaaccc cnacngncgg 120
ttccngaact naagtttctt aagaatccgc ggaaagcggg gccngcntcc ttaagaaagg 180
gnatccccaa aggcctttna ccgtttaccg nccgtttggc aattgcggaa cggttccatn 240
aagcttcttt ccttattaag ttggntcacc ntnaaaaatt tcaaatttcc actggggccg 300
gtccgttttt aacaaaccgt tccgtgaact tgggggggaaa aaacc 345

<210> 3583
<211> 167
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<400> 3583
accctnctnc cactttaatt ttttanaaga aaaaaagctt tgggggttaa ccgccctttg 60
ggngacccgt ttaacccngg ggtttcccgg gggaaaattt ccccccgggg ggtttccgaa 120
ccccnacngn cggtttcccg gcggggaacg gncggtttgg ggggctt 167

<210> 3584
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c.

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 3584
gactaattat aaatagctgt agttagtgag acatatgcat atttctgtgt acttgttttt 60
ataaaatgta tttgattaaa ttgactttta cctgctatat gatattattc tctttcttta 120
tggttatcag ggaaagaacc acaaagaaac gggttcttaa ggancaagtt aggatgttct 180
ttggtcactt gaaaccaaaa ctgaatgtct ttcaacccaa ctgaatgttc ttcatgaaat 240
actggaatta aatgaaggga actgcttatt ctaattctta tatcagtttt aaaaccatat 300
tatttttnna nccngaaaac cggaaggatn agttccctcc cga 343

<210> 3585
<211> 65
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<400> 3585
ggggtttcgn tngcgaggac tcttcgggga ngtggcctnc gcttgtatac actgcgaccc 60
ccgag 65

<210> 3586
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<400> 3586
ttgagatggg nggtctaatc tcnatttact aatanggaaa nctggtaccc ctgcaggtac 60
cggtccggaa ttcccgggtc gacccacgcg tccggggaan gtnagctggg attanancgt 120
catgantggg aaaacccaaa gactggcccc catcttctt 159

<210> 3587
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<400> 3587
gcacattatc tatacaaaga gccatactca gtgaaagata aattacctcc taaactaaag 60
tcccctctga ggtacaacag aaattaaaat aattgnttct cttctcaact ctatgtaggc 120
acgtattttc catnatggga taaatgtttt catttcaagt gccaatgtgt gaactgtaat 180
aaacattact gctttcattt tttgtaggta tggaggttac attaactgtt atagttgcgg 240
agctgaattt taatgtcagg taattntgtt tagtccaaac tggttttgaa ctataaacaa 300
ttatggatat gtatttttg gtttctttga ccccaaaggg aaatgggggt ttangtcaaa 360
ttgatntttt atcaaaatnn atctgtttct caaagcaaaa tctctgtntg attgaagatn 420
attcattatt tacatatagg gtaaacagac tttactgcct attgagatca taantgagat 480
ntggat 486

<210> 3588
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<400> 3588
ggaaaggaag ggcgtgtcgn gggtgtgagc gtgtcgttga ctgggaaaac ccaggntctt 60
ctcctnnttt tggtcgcgnt gctt 84

<210> 3589
<211> 177
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<400> 3589
ccattaggaa gaanactggt acgcgtgcag gtaccggtcc ggaattcncg ggtcgaccca 60
cgcttccgca nagaagaagg tcagnanaag gtggttcttt ccttaaangg caactcctgc 120
ccaagcccca tatcccttaa actcaataaa gtgtcccttt cattnactgg gagcagn 177

<210> 3590
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 3590
gnntggggga aaggaaagng atacgcctgg cnggnaccgg tccggaattc ccgggncgac 60
ccacgcgncc gcgnacgcgt gggcggacgc gtgnggcaa 99

<210> 3591
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 3591
gcggacgcgt gggtacgaat ggtnnagcgc caggtncccc acgaacgtgc g 51

<210> 3592
<211> 99
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3592
gggggggggt ngggtntgac tnngntattc aaatcngagc ccnataagga nttntggtac 60
gcctgcaggt accggtccgg aattcccggg tcgacccac 99

<210> 3593
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 3593
gcccacgcgt ccgcggacgc gtggggtgct ccacctgccc aaagcagcct gcaagtccag 60
ggcacaggct gccttttggn anggagggct ggcccatang tgctgctggc tccnnggggg 120
naggctgggc ctcaggggggg gggggattcc tnctgagcac cgnggggcac ccagggaaca 180
agggcgntca gggaatcctg ctnccggcac ccctgtgccg ctggcatgan ggccgtgttc 240
ccactgtgaa ggatgaaaga ngcaaggccc tcaangaacc gtnttctcag aa 292

<210> 3594
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<400> 3594
ggggggggggg gnggggtntg attacggcct ctctaatacg antcactata gggaaagctg 60
gtacgcctgc aggtaccggt ccggtaattc ccgggtcgac ccacgcgtcc 110

<210> 3595
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3595
ggacccacgc gtccgcgtca cgcgtnggcg gacgcgtnng tctaaaaaaa aaaaaaaang 60
ggn 63

<210> 3596
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 3596
angcantaat ggtatgcatc gggnccttna cctaaaggga aggnaagacc ggtcccgcca 60
agtcangtta ccgtgttccg gcaatgtcca cgggntcnc 99

<210> 3597
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 3597
gcaatancct ggacgagctc atcctcaatg ctggcaccct cnaggtcatt gnccanncgc 60
ctcactctgg acatgtccac aggnccctcc tgggaccgca cggtccca 108

<210> 3598
<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3598
cntcatgaga aggancatgg tacgcctgca ngtaccggtc cggaattcac gggtcgtgac 60
tgggaaaacc cagaccatat ncgtcncgga aatctagctt gantg 105

<210> 3599
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<400> 3599
ggctnggatt ataccgtcct gactgggaan acccanttgc atnttatgct atgcggttct 60
tac 63

<210> 3600
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<400> 3600
ggctaactct cgcctcactg cggcctcccc aatccaaanc tcctgccttt cgggcanttc 60
ggcaagtcca actcctgcct gccaatggcc tctttaaggc caaactcatt tcctcacgtc 120
ngncattcca agccccgttt ttcccttccg gnagacctct tggnctctaa tttgtttatc 180
tttttggtgt ataaatccca aaatattgaa ttttgggaat anttccanca ttatgtntcg 240
aaanacaaaa gag 253

<210> 3601
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3601
atcatagagg ancatggtag cctgcatgta ccggtccgga attcacgggt cgtgactggg 60
aaaacccaaa ccataantct gtcncgatng ncggctttac ta 102

<210> 3602
<211> 231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 3602
gtccctgaaa agttccacca tattttgggg agtactcaac accaacatcg catgggcggn 60
ggnaaaatna nctttgccat cactggccat tanaggtgtg ggccaaacca tatgctcatg 120
gtgtgtgttg caggaanagc agacattgta cctcaccagg gagggcggga gaaactcagt 180
ngaggatgag gtggaacgtg tgatcaccat tntggcagaa tccncgacca n 231

<210> 3603
<211> 601
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 3603
ctggnnaact tactaccttt ggaaagntgc acgcctgcag gtaccggtcc ggaattcccg 60
ggtcgaccca cgcgttcgat ttctccctcc agccagggcc caactcccac ctgcctgggc 120
gaatctcctc caaggaagtc ccaggaggat ggggaccagg aaggctgtgg acccccatct 180
ccaggggggcc ttcccagcct gatccctgtc ctccaagttc tggaggaggc cgctgtaggg 240
tctggctgag cttcccaccc actttccctg gtcccaatcc tttcttgtcc tatacccagc 300
tggggttgct gccctgaacg aactgcgtgt ggggccggca catcctagca ggcagcccct 360
ggcgcctgct gcctcaggga tgctccaacc accctcgttc tcctcgcagt ggccctggct 420
cccacccca tggagaaccc aaagtcttac tgtatataac tccaggtgac gtttctatat 480
ttatagcang ngttgaaaac ccacgtgttt tacacagaac caccctctcc aacccctccc 540
ttcccgaccc caacaaaacg tttttcaaac cccttacagt tcctggggca ggcggaaaca 600
a 601

<210> 3604
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<400> 3604
ggggggggggg ggtgggtgtg cggagggaag cnngcggcgg cggcggcgcc cngagnncct 60
cgccctccgg gctccgttaa nnntccttcc gnggttcacc tacggaaacc ttgttacgac 120
ttttacttcc tctagatagt caagttcgac cgtcttctca gcgctccgcc agggccgtgg 180
gccgaccccg gcggggccga tccgagggcn tcactaaacc atccaatcgg tantagcgac 240
gggcggtgtg tacaaaggnc agggacttaa tcaacgcaag nttatgaccc gcacttactg 300
ggaattcctc gttcatgggg aataattgca atccccgatc cccatcacga atggggttca 360
acgggttacc cgcgcctgcc gcgtanggta ggcacacnct gagccattca atgtangcgc 420
gtncagcccg gacatctaag ggatcaa 447

<210> 3605
<211> 186
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<400> 3605
ccccgggncg ncccacgcgt ccggtcccgc aagnaggtac cggctctact gcnacctctt 60
cnagctccac cgccggcgca agggcaaagg caaaggcaaa ggcggctngg gagattcngc 120
cgtgaagcaa gtgnagatag atggccttgt ggtattnaag ataatcnaac attatcaaga 180
agaagg 186

<210> 3606
<211> 253
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<400> 3606
aactatggtc ccccgngctg caggattcgg cacnggacag cagcctctga gnctcgtgcc 60
tnatcgtgtc tgtagatgaa ccacaagaac cccgctcnct gtggtgctcc acagagaggc 120
gnggctggtc gtggcgccca ctgagagcac caccataatg tgtgtctggg atacctctgt 180
tgtatnatta aagaggtata tgcatttcta tggcattaaa attagtaaaa aaaaaatggg 240
ggccgnccat gct 253

<210> 3607
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 3607
aattcggcag aggtgatggg aagctggtgt ctgagtcctc tgacgtcctg cccaagtgaa 60
cagctgcggc acccctccca gcctaccccct cctgcgctgc cccagagcct gggaaggagg 120
ccgctatgca gggtagcact gggnaacagg agacccacct gaggctcagc cctagccctn 180
agcccacctg gggagtttac tacctgggga ccccccttgc ccatgcctnc agcttacaaa 240
acaattncaa ttgctttttt tttttggtcc aaaataaaac ctcagtttag ttttgccaaa 300
aaaaaaaan 309

<210> 3608
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<400> 3608
aattcggcan agctccaagc atccttgact ccaaaaaggt gactcccagt gccactgatt 60
ccctgagtaa ggctcagttt ctgagaatca atggnttccc ccaaccccca gcccagcctc 120
agcccaatat ctctgacctc tggcctgatt cctagaggtg accagaattt aatgtcaggg 180
cctaaatagt cattgagtag attgcattcc tattggtgcc ctcgaagacc tcacttgtgc 240
acctgtggga cccctgccgg ggcagatagg acacgagcta aatgggtgct gggcaagtnc 300

ctgtggacct gacaagggga cctgagcagt atgggaaggg gntttnggaa agnnagtncc 360
caccntntgn aattnaagng gtggntntnn nttttaggng gtngccaaat ttggtntnag 420
ttnnttnnng aaggnctaaa ggtttttttna aatttaaaag ggtttcnngg tgnaaaa 477

<210> 3609
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<400> 3609
aattcggcag aggnatgcag agccctcccc acctgtgtgt gcaggatcag aagcaagtcc 60
ccagcatggc cacagagctg gcccatctcc agggggatgg ccaagcctag gtgtgctgga 120
cactctcatc tcatctttgt cactgttgca ggctcctgtt cagaccctcc atggtctgag 180
nccccctggaa ttgattgggg acagatgatg ccagtnttca ttgagcagaa gtactggttt 240
tgaattgtta acataaagac catccctatt tagaaaaaaa aaaa 284

<210> 3610
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<400> 3610
aattcggcan agggnccagc ggggtctccg agcccctgct ctgggcgttg ggcccaatgg 60
agcagggaag nccccaagca cagggcctga gggggtgatg gaggcagcat ccatggggtg 120
tccctgtgct gaggggtgca gcagggcctg tggacacaaa gaaggggga caagaaggaa 180
cccgtgggct ggcacttcag gggtntggac tgggggtttg catcatagaa agtgnaacct 240
gtgcgtttgt gtgncatgtc tgcgtacaca tggctgtntg tgcgtgcaat gaactgtgcg 300
tnccggcca gtntgcgtgt gcgtgncgtg tgt 333

<210> 3611
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<400> 3611
gcacgagtga aaagccatct ttgcattgtt cctnatncgn ctnctngccc gccgcagtng 60
cctccgncgn ggcctgnctc cgccgncggn actnncggna gctttatcgc cagagtccct 120
gaactctngn tttcttttta atcccctgca tnggatnacc ggngtgcccn ancatgtnag 180
acgnanccnt agacaccagc taccgaaatn accancaagg acttaaaagg agaagaagga 240
agttntggna agaggcagaa aatgggaaga gacgcccttn 280

<210> 3612
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n cquals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 3612
aattcggcag agggcgctcc atagggcagc accatcacca ggtgcacagc tgaggcccag 60
ggtctgcttc ggaccccggc cagaccccag cgaagcccct ctntgcccct ggacccagcc 120
ctctcgtgtc agggtgtntt gggtggacgc ttctcactcg tgcagacctg gctgcccgtg 180
gncccgctgg ctgcacaggg gaggttgcac aggtcagcag agtggctgca gggccgggnt 240
ctgaaccgca ggcccatggg agacggggag gagatggtct cttccacaac cancttaaca 300
gatggaggcg ctgaggnctc gggttccccc gggggcttgg ggnagaccac aaggttttag 360
ttcaaaattc cagttnccca agtttttaag gaggttcccc ttgggcggnc aaatnggncc 420
caagtggttt ttagattctt aagggcttgt nttgtcattt tggccattaa gnaaggggcc 480
aaagngctta agnaacttnc 500

<210> 3613
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 3613
aattcggcag agcnatccca cacggcgccg ggnagggtgg ccacttggnc tncaccctgg 60

cccagatcac ctgctagagg gcccaggagg tgcgatgcca ccaaggacag ggaggcactc 120
gctttccggg gcaggcccag aaagtgccag tnaatggtgg ggagagaagg cattgtntcc 180
tctctcggag ttggtggagg ggaaaattgt ttgtgaacga tgctgcctcc cgagccatct 240
gctcaccgag aaacccagga tggtggagtg gaatgaagcc gtgcnnccca tgccagttcc 300
cccggggcag ccctcangtt gctgntggac ccggggtttn tntttgcang tgccttggtt 360
gtgggtnana aggatttgca tcaggagtat ccgtgccctg gaggatttct nctttggna 420
aaaaaaaaaa aaaaaatttg gggggggcccn taccattggn cttaggggggg tttnaaat 478

<210> 3614
<211> 88
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 3614
aattcggcan gagcagcatt aaagtaaggc aaccaaaaaa aaaaaaaaaa aaaaannntng 60
gggggggccc cgttccccat ttgnccct 88

<210> 3615
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<400> 3615
taacccccac naaagggaac aaaagctgga gctccaccgc ggngcgnccg ctctaggaac 60
tagtggatcc cccgggctgc agggaattcg gcanagggag ctgcctggga ctctctcatg 120
caatactggt cagctccttc gggacaaggg aagggtacag tggcgtgggc ctgactttcc 180
cgccagtgcc ccactgnaaa gtttcttacg ggcataggcg atgnaggngn catgnatcca 240
gggaaggccg gggtgnattg tggctgnaat ttgaactncg tttgtgcctg gtnaacaatn 300
atngtgacct naatgncagg tccgaggttn tgggtaacgn actggnagtg accggnnann 360
gnttggggnt gnaaagncct tttncgncaa nttttcctnn aaaggggcnc ttggtttttc 420
cccgaaaagn ccccntttnn tgncttnttn ttgggnagna ccctncaaat ggnggggca 479

<210> 3616
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 3616
aattnggnag aggcaaggnt gtaattanaa ngtagnagct agtatcttnt tgaggttatt 60
tnatcgtagc tatntgagag atttagcatt gtgactgnat agtatggtng tagngaaatt 120
gttgaattga agngtaagtt ctcgttggaa gtgacngagg gtgcaaaaag tgtattnatt 180
anaaaatatg ntcnggtggt cattaggtcg agntgntcct taggataaan atttag 236

<210> 3617
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)

<223> n equals a,t,g, or c

<400> 3617
ctggccacaa gttgttttaa acagctagat tgtgcattct acttttttctc atcttatngc 60
atcctatggg aagcacctcc ctgtgctact gtgatatcac ctggctgtca tctgnaatgg 120
ttcccctggga gggacgtgnn ctgtagtgtg gtgtgtggcg tgccatctga cttcctagtn 180
cacattgccc ggtggtctgg ggtatggggg acaaggactg ggtggtnggg actgtccttg 240
ggtctnccac ccttnaaagc tggtgcccag annagngnaa agtgtnccct tccgnggnaa 300
tncccaaatt tngacagggn gnggtcacan ntgntngnnc tgnanctttt ggagnattng 360
ttggnnagca ttaggttatt gggtntgggg g 391

<210> 3618
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 3618
anttcggcag agggagggtc catgggggct tggccaggcc taggcagaaa gacaatgtcc 60
cagggatgga gagccgtgga caccaacttt cccatcatct gctccatgca aggtaggccc 120
aggctacaag gtgcagagaa gagagtagca gagttggcct ggactgtggn aggttgtttg 180
gggaaactga ggctggcagg gaggggctgg cagggtggcc atatctaagg cgacanggct 240
gcattggcct agnttgngat ctcctagaga aggccctgga gatgacactt nctggggnct 300
tttnaaatnc agtggaataa tttatggggn ctcctnngat tcccaaggtn ctgtgctggg 360
gncactnngn anttggcanc nntgnacccn tanantgggn ccnnantntt nanangnnat 420
gngggnncgn nngncaatng gttcnanact gnnaatgccc agcnntttgg gagtnttang 480
gcgaaaatn 489

<210> 3619
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 3619
aattcggcag aggtncagga catcctcaga gatagtctgg aacaaaagct atcaatcctt 60
tcctttagaa gatgtacaga aacatgagaa actcatggca gaattgtctc ccaagggttc 120
ctctccctna tttctccatt gtcttgactt ctagcaaatt tnctcatgag tgtacatacc 180
actaagttgg ccactcngat tantctggac aaaacgggnt gggactaagt ctgatttatt 240
ntatggcagc atttggatta agactaatca acaggtactt ccaagtagca ggtggggttc 300
tcagcttgnc agtgntcctc agctgntgtt cttgcagggg tcccagctna gaacaaattc 360

<210> 3620
<211> 338

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 3620
aattcggcag agtgggggct tcctacaacc ttcaactata atcttcctac caggtttgag 60
aatagaccct gacttatcag gacaaagtta actatggcac caccttgtgc attcagggca 120
ctagtcctga tggaaaactc agcctgctga atgtccagaa ctctgaccaa tcagtcattc 180
ctcctcttgt ggaagggtgc aaataaggcc atgggaatga aaagctgcat gtgttttgcc 240
cagtgtgggg cttcttacct ctgtgggaga gggggaatag gaaagaattt ctctggggaa 300
cagganaaaa aaaaaaaagg aagggggggn gggggggag 338

<210> 3621
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<400> 3621
aattcggcag agntggactc tgatccctgg ttccccctga ttctaggttc caatgcttcg 60
acttagctcg aggcctgaag aggtcacaga ctggctgcag gcagagaact tctccactgc 120
cacggtgctt gacacttggg tccctgacgg ggagccagct tacttcggca taaagacctg 180
gggagctaca gatgcttatg tccacaggag ggccccacgg aatcctgtcc cggctggagg 240
ctgttcagaa ggatgctggg ggataagccc ttaggcacca gnttaggaca acttncaaga 300
accagggccc cgttgattgc aagttggcag ttttgataac ccttagagnc cccagnattn 360
cnnttttttgg gtncccnttt ttnnagcaaa ccccaaancc ngtttaaaaa ggaaaaanat 420
gggnnaggcc aaggtttaag naaaagtttc cttttggttt ttttnggggc ttcccataac 480
c 481

<210> 3622
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 3622
aattcggcac gggctctaac gagtcacgtc aacatacaat tcgaaagatt gtaattcgga 60
cctcctattc taccnagaaa agtagatact ngggcattca aaacgnttca anntgttcnc 120
agcccgttct tccnanactn atctccctcc agcccctnnc attntagcca antttctnca 180
ctgnnnntac agttgttatt gnngtcccca actgttgtga attgccnngn ngtttccccc 240
tctgnnaaaa taatgtccat ccttcaaggg ctacctcaga tactgggtaa cttagtnatn 300
nctttgcagc caggagcggt ggttcggctg naantcttaa cacattgggg gncgtagtag 360
ggnngnttgg gtnaggacta ggggttttaa ccagccggng ggttttgggg gatttntttn 420
tanaggggag tnttaacggg aacttttttgt tgggccatag tcnnnnnnctg gggaattggg 480
gnacggntan nttttgg 497

<210> 3623
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<400> 3623
aattcggcag agtcgacccc aagaggacag gccgcatccc catccagcag ggcctgctnt 60
ccggggatgg atcagtgtaa gagctgggcc cagctcctgc aggcacgcag tccaggtacg 120
gggaaggcnt ttgnacagac ccnatantan caaggaaacg gactgnagct gacaaggaag 180
ggccatgggn cccttgcccg naaaaggacc ccctgnaggc gggnctgant ggttcctggc 240
ccagcggcac tngcnggggt taccgnttgn cttaccgntt ccggcctncc cccnaccgtt 300
ccccgangnt tccntttcgg ctggaacaac ggggcncaaa gggaggccaa nttgggggaa 360
agttgcgtnt tgnttcgggn cccangttag ggnttaagtt aacaacttnt ttgnccttca 420
aaaggcangn tttnattccc cngggnaatt nggttntttt cccttnttgt tccaaaacca 480
atttgttttt tatttatttt 500

<210> 3624
<211> 509
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<400> 3624

aattcggcac gagaaaaaaa aaaaaggaaa aataaaaaag antcacttgc cgnttttana 60
tttgttcctc cccaaaccaa agttatacct tgatgtaacc agtgggngga acttgagctg 120
cttgggtaaa taacccngag gaaatntgat gagagtaggc ctgtnagata attttaggan 180
gatctnatgg cacagcgtgg aagaaaatca ggtttcccta cagaatcggt cccaaaagaa 240
aacttatttt ggttaaattt ctggntttag gtagngctga tatcaaccct catttgggct 300
gttttatcaa gctttggctn cagcagtntg gactngagtt cgtcacagtt nccgtaccat 360
ttgggaattt ttggtcncta ttccantcag tngacaattc gaantggntt tcttaggggn 420
catatnnccc nggtgccatn cactgggtgt ttaggctggg ctnntttgtc canggcccaa 480
ngtaantccc caaggttgga aaaaaaaaa 509

<210> 3625
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<400> 3625
aattcggcac gagccagtga aatccaattt atgtgtagct gttttaattc ttgggagaac 60
cctaacagtg gtagcttgat ttctccagat ccactgagaa aagatacaac atctgaatac 120
atataacatg atttattcat cttaaaaata ttttgttaag agtatctcta acttcattaa 180
taaaataaaa ttagaatgtt tttaatcttn ttcaaccaac ctaattttgt agtattccta 240
cttaactgag ggtatcgagc taacttcaga ggacacaagt gaggcaaaac tnctaactta 300
gnaacatctt ttcagtcact ccatggatgt gcagctgctt agcagttgng gccaaattaa 360
nggggcaaaa ttgttagcan agtatgtaaa attatnccat tnncanattt cttnaaatgn 420
ctcaccctan tttgttanat aaaactgcnt ttntgnaatn ggttcacacg ttttttcatc 480
ttngttag 488

<210> 3626
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<400> 3626
tnagncatct nctgaangaa actaganaan nttgcttatg gtaatgnnnt anggaagagt 60
cgcatgaaca ctctgttaaa tctttatttt tgtggaaatg agaaaaaagt tagaagcatg 120
ctccaaacaa gagcttgaga ggcttgggng gtaaaaagat gtcgtttgtg aacattggga 180
ttaaagaggc actcaagttt agctcctgct tccaagtaag agttgtaaac ttggatttca 240
ntagcactta gaaacacttt ccagnagcca ncttagagtt ncagagtatg cgttgaggac 300
actttaccct tctgggttac aggaaaagnt caggaanttg cctggacatg aaggcagtnn 360
gttgtccaga nccnnttttn aaatncngca agtaaaannt caggtggtag cctcgaactc 420
tctgttgctc tnccaggtag cagttgccaa ttcattctca nagntntttt tggnccctng 480
ntnttcttag ccttnggnt 499

<210> 3627
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<400> 3627
attngggcac gacaacagnc ancagttcca gggncaatgg tttgtgctca attggcttta 60
ggcctttgtt accaaactga tcactgtggc cctgagggtg ctgttactta gaatattccc 120
acctttnnct gagaggctga tgttggggtc acttcccccc gaactaaagt ccaggggctg 180
catgggtgag ggttgagtaa ctcagtactc taaggaggaa aggaagggga atatacactg 240
ttagttaaca gtggttattc ctgtattctc tcttgtttgg attctactgg gggatttctt 300
tctttttttg agtctttatt gacattaggn atgagagata gaaacagggt gagagaggaa 360
gtanaattta aatgtgnatt ctttccacnt nttaccngaa ctcaaccgta tttttgggat 420
cnatanatcc ctacttttcc cctggattta ttnccaaaaa tcttnggggg naccccagnn 480
aatttggnac cctaaantcn ggttaaatta aggccnnggn aaggnggttc cgggggncaa 540
attccngggg gctttatttt ggg 563

<210> 3628
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 3628
aattcggcan agagcaaagc cagttccctt ccaggaagcc tgcagcgttc acgaanacaa 60
tntgnatgtg aatgctgctg caggctgcca aggcacatgc atgctgctgg nacagtctgt 120
gcgnangggn cgacttaggt gcaggtgccc tgaatgcagg ttcctatgcg tcactaggta 180
agagaactga ttatggaaaa ttgtaccatg ttctctccct gatctctgtg aagacaagtt 240
catatacctt aatcatttct attcatnctn gtaatttnag gttggtcccc nntggtttaa 300
aaaaaattct tttnttgggg gnacaaaatt tttgggggna ttttg 345

<210> 3629
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 3629
gaattcggca naggnaaagg cctgnacttg gngncgtcat cctccgccga ccatgccagc 60
tgcctggggc cttctgctgn tgctggaatg tnatcttttn cttctgaact ctggctggga 120
gtgcagagtt gcatctccct ctggcntcct cacatgcttc tgctcagggc ccctgcccag 180
ccctcaattt agagtttctg gtctaattcc tgaccagtga tgtaattatt tatcttcctg 240
ccctnatcct gggggtgcaa acagcaaact tggnatttnt gtttcaggct ttggnaaggt 300
tgggtnccag tttccatctn cngtttagaa gaactgggng gntgcctgct gtggngttng 360
nggnttgngg ttcaagggtt cctgcttctg tgaantgncc aattntttgn ttcaggncca 420
gaacggtgag nagttgggga tttggctnag ggagggtaag ttggngtttc cagaggtnag 480
ntgngggngg angaanttag atggnagg 508

<210> 3630
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<400> 3630
gaattcggca nagtncttca tgtttgttag gtggaggtgt tttgttgctg ttacttttaa 60
taaacatctc ntntgtcatt anaatggagg naaggatgtt tttctttatg cacaaaaaga 120
agaaannatg gnnatggtgt taatgttaat ttctcaactt tgtgtttaaa tgtttaccat 180
ttaacaaata tcattaagga aacagnttta aaattggaat ttcctaaaca ttatagtgga 240
tgtttntgaa taatttgcaa acaacaggtc aataggaaat aaaaatggaa tttttnaagt 300
taatgtatta ttttttactt aaatccntta tcnttttgca gttgtcccga ctttattaga 360
caggggnttg tnaataaacc tggggaccnc aggctaggtt tttttnggac cggccatntg 420
ntcngttttt ggttngtttg nggttanggt tagnntnngn naatngttta ngancgtttt 480
angtaggntt ttcccacccc caggtnggt 509

<210> 3631
<211> 60
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<400> 3631

aattcggcac nggntcagcc gnaagtncct ctncccaaga aagtctaggt gttgtccaan 60

<210> 3632
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<400> 3632
aattcggcan agcacacntn taatctcagc tactcagtct cctgagtang naagatggac 60
acctgnccag ncacacgaca gctaattggt tgggtgtggt ggggctttcc aatgattact 120
tattaatgat tacttatgaa aaacaacaac aaaaaagcca tcttgaagct gcttttaatg 180
agagaacaaa tgtgctccca agcaacagag cagcgaaaat ttttttatta ctggnnttct 240
aactttnccc tgntaactnt aactgtcttc angttncacc nnatgtgact tnggggggga 300
tnttttcaac cnngggnttt taancccnn tttntggngg ggcttttnaa actnantnta 360
aaattttggg ggggaanttt taacaggggg g 391

<210> 3633
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<400> 3633
aattcggcan aggnatccat gaagttgggc agggctacac caatgccaag ctttcgtgca 60
tgtttttaa tagaaattgt ggcacaagtn tgatatatct tataaatggg aacttattaa 120
gagagtgctt tggtgatacc tgggctgtct caagcctgtg tgttcttcaa agattttgtc 180
tttgtaactt gtttatccat ttggtgataa ggtagctaat ggcaattttg tagaattctg 240
tttctctttt cctgtctctt tctttgtttc ctattttcca cagttccgta ggnctcangt 300
atgttctttt ttnccatctt caaagtcttt gnacnctcac acatggcata atggggncan 360
atancccatt taaggggccc naaagggtt 389

<210> 3634
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 3634
aattcggcan agcctgccct tacagtagtg tagcgccccc tccctctttc ggctggtgta 60
gaatagccag tagtgtagtg cggtgtgctt ttacgtgaat ggcgggtggg cagcgggcgg 120
cgggctccgg ncaccgtnct gtccttgaat ctgcccgcgg cggcccgtgt tgtgttttgt 180
gctgtgtcca cgcgctaagg cgacccccctc ccccgtactg acttctccta taagcgnttc 240
ttttcgcata gtcacgtaac ttcccacccn ancctnttcc tgtgtntnaa gnaattttta 300
ataatctaan aatttanang gnttttttttt ntttggncaa aaaataatta aaangttttt 360
ttttnaaaaa aaaaaaaaaa aaaatttngg ggggggggncc cgnaanccat ttggccctaa 420
ngggggggg 429

<210> 3635
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<400> 3635
anttcggcag agtncataac ctaatggcct tggacaccag attctttccc attctgtcca 60
tgaatcatct tccccacaca caatcattca tatctactca cctaacagca acactgggga 120
gagcctggag catccggtac ttgccctatg ggagagggga cgctggagga gtggctgcat 180
gtatctgaat aatacagacc ctgtcctttc tcccagtgct gggatttctc catgtgaggg 240
ggcagcagga cacccaggga tctagcgtgg gggaggagag gagcctaatg agaaaatgac 300
cattncaaag cctgcccttc attgggtctg gtttcaagtn ttccaaacca gntttggntg 360
gttagcagag acttcaaggg tgntncagcc aaacgtnttt ggggcattac catgacctgg 420
gnggggggaag gtgnacntnn ggacgtttga gggttccagc ntaggnagcc aggggccttg 480
nacaaaaagg ggggttg 497

<210> 3636
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<400> 3636
aattcgacac gaggggactt ttacaacccc gtggtgcccg aggtgcagaa gcggagaatg 60

ggcgcggngc ctgtacgtgg gctgggcggc cncggcgctg cagctgctgg ggggcgcgct 120
gctctgctgc tcgtttcccc nacgngaaga agaagtacac ggccaccaag gtcgtctact 180
ccncgccggn tccaccggcc cnngaagcca gcctnggcac agttacgacc ncaagactac 240
gtgtnaaggg acagangcaa ggtagaccnc accaccanca ccancagcat naacancatn 300
ancatcggnt gnttnttngg gnanncangn tcatttcnnn ggtgnaagtn ttgntnttgg 360
ttggncaagt ctatttttt 379

<210> 3637
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<400> 3637
aattcggcan aggtttgtgg gagtgcagta gtaaagattt gaagatatgg gaagaattgc 60
atatcctggc tatagtgaaa aatcatagtg taaaaataaa tgggaataaa gtgggaaaca 120
ctgtatcatg tttgctttgt acagctttaa tggaaaaagg aaaggaaaga atacatatga 180
aaagaaggca gtcccttggc actgcctgtt ctcaatgctg tgtgctgtgg actggggaca 240
ctttaattac cacgtacaat tttatggact gttcatgaga agcttctttt taacttttc 300
atggattgcc gttaaaggna aatatagaag gatagaagag gnttttcan cacgttgggc 360
aggaactgtt ccncctggt ctatgggtta gagcctgnaa actgncccag gttcnatctt 420
ttcagcattt ttcttgngaa ctttctgtgn agggaagttc cnggggccnn taaaaccagg 480
gtggtcngga aggtatc 497

<210> 3638
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<400> 3638
anttcggcag agaggccaca aggacctgcc agcnttggna cctggtgatc agtgaagggg 60
agagaggaaa gagcaggaga gctggatggc ccggggcatc tggtcagaga ggccagtntt 120
tcagagttaa agttttcaga atgagagcac gtaccaggag tntcctcagg gttggtttgc 180
tcaggtggaa tggggcagaa ggccacggac tgacgggtga agagacttag gccagggagg 240
ggatgggtca ccccctgaat gctgaagtca tccagggtgg cagcaggagg tgatgcctgg 300
gagagattga ctagtgggtc agtaagggag aaaagaaagg aggggcgttn ntaaccttta 360
gaaggttgtt cccttcggga ggatngnttt tagcacgttg gttcaaaatt tncnnnctgn 420
agggaggcaa gatttncatt t 441

<210> 3639
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<400> 3639
aattcggcag agggntgagt ggatttaaga taatnatgtc agtctccaga gggaagatgc 60
cagantgaat aagctactag gacagaagag tactgtatgc aagtggaatg tactgggaat 120
caagattttg naagatgnat gcaattgcct ggagatgaca aatcctaggg ccatgactat 180
gtgnagtagg tggcagaggt gggtggagga agaaatggtc agagctacta ggccnaagag 240
ctaaagggcc agagttnata gagattccac cttcatggaa tgctggaatt tggccaagaa 300
tgnttttcgg acagagagga gaagaggaag aagtaagccc agacattcca agtttatcca 360
ttcatttatt aaccancaaa ttatttacag ncanttacnt ggcnctttna aatttttccc 420
aancaccntt ccntgttact ttcaggngtt tttacccccc ttttaatctt nnancctttn 480
cccnnttcct cnttttttaaa gnttgattan 510

<210> 3640
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<400> 3640
aattcggcac aggatttaac taactccagg gtctcagctc atctttctct agcccagcaa 60
gttcaagagg ccttaattaa gcaccgcaga ggaccaagga ggtagaaatt catctctgaa 120
agtggctctc tctgggccct ggcctggaag acccnctgct ttcctggtgg gcaccacgag 180
ggggcaggna cacatggtnc ttccatttca cctctgttgg cctcctcccg gtggtatttn 240
accgttgact cccatgcttg aaggtgggtc tgtaaatggc cgagggaccc tgancattna 300
gnggttgaaa gggtncctgg gaaaggttng gaggaatt 338

<210> 3641
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<400> 3641
aattcggcag aggntaaggg cacatggcat gcatcttcaa agctgacanc atttttataa 60
tactttggct tccttttttgt gtgtttttta tagatgttta tagctgtctt catatcttgt 120
tgatatgttg acacttggaa gggactagag atgtaagtaa acaatctcaa gcgtagatta 180
tatggcaata tgcagggtcc cactgctagc taggtagtgc tggagcctgt gtgcactctg 240
gctnctaaac antgnncang cttncagctg gcaccacata ctatgnacat gttttctggg 300
aaagtttcct tggaaaaatg actgttnagt aaaat 335

<210> 3642
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<400> 3642
aattcggcan agagcaagat ggtggattac tgctttcata gagtgtagac agacctctca 60
gtagagacaa cggttgantt gggccttgtg gatgagtaaa gcttcatgaa aaacttaata 120
tgttgccctt atttttaca ctttgcagag gactgacgtt attttccata ctggcatgtg 180
ggaagctgtc actgacttat gacttgtnca ttcattctaa taaagtgacc tcacagatgt 240
gtttataaat gcattaaaat ccaggcatgt tttcagagaa agtttttaga atataaatgt 300
tataatgtnn naaccacgnc ctttttttcc 330

<210> 3643
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)

<223> n equals a,t,g, or c

<400> 3643
aattcggcag agggaaccag gtccctgcac ggcacccacg caggtgtccc ggtctgcata 60
agcctcgtgt gcctttgtaa agtccaccta cacttttgaa ccagctctcg ctgcccgcat 120
gtntttggcg ctgtgctagg ggcgggagtt cttccagact cttggaccag nccgccctga 180
ccaccagntc tacttcccaa cccccactgc ctgagaggtc tctatcagtg tcctgcctga 240
attctttcct tcaagtgaag atgtgactga ctanctcctc gagttgttna tgaggntgaa 300
agaatgggna ttaaaagcat ttggtttaaa gtnggtgntc aataaaattg ttagtggntt 360
ttattcaaaa aaaaaaaaaa aaatttgggg ggggggnccg 400

<210> 3644
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 3644
aattcggcac gagcttttcc agcccacaca gccatgtcat gattccatta gtcatgattc 60
catgactaat cctcaattgg aaatgcccac cattgatgtt cttcacttag agaaacattc 120
tgatgcacct tttcaaaact gtttttatgt ttcctgttaa gttatgcaat gtctctactt 180
gggaaaaagt ttggaagggg acatttgtaa ccatacttac gtatttttg atgtttctcc 240
attacttttc attcatgtgg gctgggcata taggaaacca antattaaaa caaggtgggc 300
acaagagtgt atgtggggnt gagtaaggaa aatggaaagc cagnaacant ntttattaca 360
caatggcatt ncncattttt ggaaaacagg ctgttgggac ccngccctgt naaaggaagg 420
tttggg 426

<210> 3645
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<400> 3645
aattcggcan agnctttgta gttactgtnt tgtggacggt cataagcctg ggtgatgtgc 60
caggatcatg ggtccctcgg agaccccttt ctctgtccct gaggaatatg tgagaaccag 120
acggctcatt ttacgtcctt tgagaagaca gctgcgggga cgtcttagga tgattcactg 180
aggccagtca gtggtgggac caagagctct ggggaacata atttctatca gcctggcgtc 240
ttacttggnc gccccctcca ctccctnacc caccccctggc aaccctgtgg tctttntttt 300
gtgttagacc atcagntt 318

<210> 3646
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 3646
aattcggcac agcttaatca cccttgctcc tcctgggtgc ctggaagatg gactggcaga 60
gacctgtttg ttgcgttttg tgctttgatg ccaggaatgc cgcctagttt atgtccccgg 120
tgggggcaca cagcgggggg cgccaggttt tccttgtccc ccagctgctc tgccccttt 180

ccccttcttc cctgactnca ggcctgaacc ngtcccgtgn ctgtnaataa atctttgtga 240
aattaaaaaa aaaaaaaaaa aaaactcggg ggggggcccg gtaccaantt gggcccctt 298

<210> 3647
<211> 579
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<400> 3647
nncncccaca ctntacaccg cagcctgccg gcacggtccg gcattcccgg ngtcttacgt 60
gccaccacgg cgttgtacct gtaggactct cattcggnat gattggnata gcttctggna 120
tttgttcaan tnttgggtat gtntaanctg tnatgtacta gtgttctgtn tgtcattgtn 180
ttgtnaatta caccataatg ctaatttaan ganactccaa atctcaatga agccagctca 240
cagtgctgtg tgccccggtc acctagcaag ctgccgaacc aaaaganttt gcaccccgct 300
gcgggcccac gtggttggng ccctgccctg gcaggtcatn ctgtgctcgg aggccatctc 360
gggcacaggc ccaacccggc cccaaccctc cagaacaggg ctcacgttac tcaancatcc 420
tggctgcngg tctgtctgaa acagcngggg cttgaggacg tttgtctgtc gtgatgggca 480
aggcaaaagt ctggatgttg tgtgtatcga gaggccaaag nntgtggcaa tgcaagggga 540
aanccgattt gtcctngtga agcggcaant ctgaaggtt 579

<210> 3648
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<400> 3648
gcacaactgc tnagtagatg nttctgagta ttacaaaaat cactggttat tacctgcagg 60
atattaaaaa acatttgaaa aagagaaaaa gaactatcag cgtttagaaa tgatgataga 120
tattgaatct ttgaattgaa ttttaacaat ncattctagt aatcagagtn tacttnttnt 180
atacaacang g 191

<210> 3649
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<400> 3649
tcgacccacg cgtccgccca cgcgtccgcc cacgcgtccg cccacgcgtc cggattaaac 60
acacactctg ctatttttc acttcttgga ggtagaagtc gagtatgagg cagttatttt 120
ttagagtgtg gaattatagt ctttccttgc tcctagttat tctgtatatc tttacttgt 180
aggtaaaaat aaatgtttat ttaaaacaat ttttaaaatt ataaatttat ttttatagcc 240
atatgtagga tataaagatt tatatagatt atatactcaa gctacttaat gcnttaattc 300
tagctactca ncnngaaata gtaaacagtt ttacggaaat aaactctaca gacagatgcc 360
gtangaggag ccntggaagt agaaangtat tcgccttgca cacggagtgg ntttagccga 420
caaccccagt angttnccat aacggccata ccttggaaat ccacc 465

<210> 3650
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 3650
ggcacgaggc gaggcctcac anccggcgct ccaagttcgg ggctggaggc gtcccggctt 60
cctccctccc ggagacggga ccggncccgg ccccgcgccc cgggtcgctc ccggcggccc 120
ctanccacct nctgagtcct ggcctccccg ggcgcanaca ntcccagccg gccgnagcct 180
ggacacgccg ngggcccccc agtctcccgc ggctgctccc ccaggcatgg cacaggggcc 240
tngtctgnac tatgggcagc agcacgggga caagnanggt tcgtatttga tgcttggggg 300
gncaaaagtt gatggt 316

<210> 3651
<211> 191
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<400> 3651
gagaaaggac actctggact tcagccaaca ggactcttga gctgaagtgc agatgaccac 60
attcaaggaa gaaccttctg ccccagctnt gcaagatgaa aagctntccc acttggctct 120
tatacttcca caagagcttn gncaggacca ggttgntact ggntcagcaa ctctgcagaa 180
aatgtcctcc c 191

<210> 3652
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<400> 3652
ggccagtaca gtatttttta aggcttntaa agatgattag ctcaccttga gataacaatc 60
aggtaagatc ataacaatgt ctcatgatgt aaaaaatatt aaagatatca atactaagtg 120
acagtatcac tctaatataa tatggatcag agcatttatt ttggggagga aaacagtggt 180
gattaccggc attttattaa acttaaaact ttgtagaaag caaacaaaat tgttcttggg 240
agaaaatcaa cttttagatt aaaaaaattt taagtatcta ggagtattta aatccttttc 300
ccatanataa aagtacagtn ntnttggtgg cagaatgaaa atcatgcaac ttctagnata 360
tagactatat aatcagattg acagnatata gaatacattt atcagactag aagatgangn 420
ttanaa 426

<210> 3653
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (573)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (607)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (656)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (667)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (681)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (710)
<223> n equals a,t,g, or c

<400> 3653
ggnactggac tgncttgatt gacatgggga agggggttag tagactatgt ggattgcggc 60
agcagaggct gcagcctaac gngtggattt aatgaccagc acgcaaggca caaagcattt 120
tgcacagtgn ttgttttcct gtnttgnact tacnantaag gnctatggga gtaccatgna 180
aaacgtttgc tgtnantcct tnttttntna anngttttng ntnaaaattt gatcgnctta 240
actactgcna acatagccta tttttgggct taanaanctg natnggaaac tntcnncgtg 300
cagatgctgn actgttctag aagnntttng ntaaangggc tnctaatttg antgtaatgg 360
cntttaaagn atacaatcna acnttaaaaa gntgnnaaaa nggncttgga accntatctt 420
tagttacttg aagagtttct agtttttta aaatacagnt tatgttaaaa taatttttat 480
taatttagan aagacaatna atggctgtga gaaaaacgga tttcttttgg aatttcnttt 540
tgnggccatt gtnaangaat ngtttttcnt ttntaancga caattttcct ttggttaaaa 600
cttaaantgg acatttaant tttggcaatc taagaggtta atttctgagg gggaanactt 660
ataagcngtt aagtttgcct ntgggggntg ggaaatttta aactggggcn 710

<210> 3654
<211> 634
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (578)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (592)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (618)
<223> n equals a,t,g, or c

<400> 3654
gatctaacaa aggcaaaaag gagaaaaagg ggtactatga attaaagaat aaaagatgga 60
tcagattatt tgaagagaaa cctcatcata tcccacaacg ggaacaggaa aaaaaaaaca 120
cacaatacat tttanagaag tggcaagaca aaggaaagca ggtttaggct cccaaaggag 180
ggacctctga gaagttacct ccacgaagca nctcggctgg tgccagagag aacatcggta 240
caggtctggg aatttccctg ggagctggcc ccaagccaca gccctcccca gctccgtagt 300
ttgnttggtc ttcctctcct gggctcaatc atcttggaca agcctcactg canggaaaac 360
ccctggggag acacagggct tgctttccca gcagaaggtc agtgtctgaa gagaaactgg 420

gggtccccca gggaccagat tcggctccgg tggtaaggtg ccccaggtgg cccaatagga 480
gaggttatct tctgggagct cttccaggag gagtccacag tgcttggccc aagnttctnt 540
cttgaagaat ccaagcataa ggagcctttg tttggganca naggagccct gngccttctt 600
gagtcaccca ccagctcnag tgccctggac ctgg 634

<210> 3655
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 3655
gggcggcgac tgtnacggtg acgaagacgg cggcggnggc tgacggcatt taacaaggcg 60
gtgtggttta ctccatgcag ntgtcaggag acctctgtat ggcttttcaa ttttagttga 120
aattctctct ccatggcctt ttggagtccc ttgctgtatc tccgaagtaa atttcaatta 180
ctctacattt catcaatgtt ggagtggcaa gaaaaaggag gaacagattt ggggtgaaaa 240
gttttgtttt ctaggtctaa caaactgtaa aatgttnaaa atagcanana tgggtgaaaa 300
aaaaaccaga gccctttgga ctttcgcgaa agantttca aggattacct gcttcagcan 360
accccatcnt gtgaccttga tttctggatc aagttatgtg ggggacaaac gaagcacagg 420
ctcttcaggg atgctggaac agatggtgga tcaaaatgga cttnatcacn catctgtnga 480
agttnccttg gattgaaaaa ctcanga 507

<210> 3656
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<400> 3656
gcagtgttnc tgtctcacat ttgaaaccaa ttttgaaatt gggtagaaga ttcgtcttgt 60
tgcctaaaca atgccttaac cccattctct ccccagaagg gtcctacatt tcttaagcta 120
ttttcagctc ctccacacct actcacttgc aatacttgtc ataacaggaa gccagtttca 180
tatactgtaa tccccaaaca cattgcaccc acacgtgggg agcgtgaggg gctgagcgag 240
gagcgaggag gccaggcctt ccaaaaactg gaggggctga gcactgagcc gctcccaagg 300
tggggcgtcc ccactcccaa gcccaggatt cagaagccag aatccacatc cagacattct 360
tggtttcctt tctcatgcag ttgctggtga ctntttttt tttaataaag catttgagta 420
ggcaaaanan ann 433

<210> 3657
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<400> 3657
ggtgcttcan aggtagcctt ggagggttgg ctgggacagc atggccctgt tgctaacccc 60
ctgttttggt gtgtatgtgt gtgccaccta cccatgcttg tctctgcgcc ccggcgcacc 120
tggcggggtc ccggcaggaa gtgcagcggc ggctgggtgg ctggaccgga ccagagctca 180
gtgcttttgg ggaactggtg ttggagggcg cgttccgagg aggcggaggg ggtggccccc 240
ggctacgagg gggtgagcgg ntgctcttcc tgttctctcg gatgctgntg gtggccaagc 300
gcaggggget ggagtacacc tacaaaggcc acatcttnnt gagtttgggg atggggtggg 360
gctanaatac tacctacn 378

<210> 3658
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<400> 3658
gtagatttaa aaatttcctg aaatanttga aaaattattt ttgaggagaa aattgtatcc 60
angaaaccca taatgtnagg atacttgatt tttatatnca gataattctt tcatgcactg 120
aatggaagac agtatatctg tatattaatn tttgttnaga ttatgaatca tttaaccctt 180
atcctttatt cttgtaataa gactatttaa tggggttctc ttgtgatntc catctttatc 240
aatgcattcg tgttggtctt gatgtatact acctgngntn an 282

<210> 3659
<211> 242
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<400> 3659
gggagctctg ggggttggaa caggaatgca tattcaggcg agaggcattc tgagctggcc 60
ttagcttaat tacttcattt gatttttaat atagacataa aaatgcagat gaaccagagc 120
ttttgtaatg aaaatcattt ccgaaggaat atttcagacc ccactccgtc acctccagcc 180
tgcagaatgc gtccagaaat aaattctgtg tctgtgtgaa aaaaaanaaa anctannang 240
at 242

<210> 3660
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<400> 3660
gtacatttaa aaaataatgc cttttaaaat gtgggtagaa ctttttttat taacatggct 60
ttaatttata gcaaccattt gttacctaat cacagtaaca caacaaaata attagtgtat 120
cancttttgaa gatctcattt cacaaaagct aaaaaacacg ttatgatata tccattactc 180
aaactcataa gccctttttgc atgcattggg catagatttc atggaaaatc aaaagcattt 240
agtctacttt ctgacatttt catctgntct ttgaactacc ttaataaaaa aaaattgttg 300
cccttatgta gggtcaagtg acgtttgtct gtctgaaaat ttccttggat cagcttattt 360
ctgngnaact tatgtctttg gtatacagct atttgccttt ttaactgatt tttaacagga 420
tactttacct tgggacttgg aacacttaat gnaagcttat aaanncncat gaaccattn 479

<210> 3661
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<400> 3661
tnaaccccca naagccagng gagacgccag tgcctaaaag acatttntnt gtttctccta 60
ctctgcaatg tcattctgtg gatcatgcct gccttcgggg cccgccctca tttcagcaac 120
acagtggagg tggatttcta cggntactcc ctctgggcgg tcatcagtna acatctgcct 180
ccctttcggc atcttctacc gcatgcacgc tgtgtccagc ctgctggagg tctacgtgct 240
gtcctgaggc ctccaacaga ggcatggggg gcaggaagag ggggctcagc tcatgtgccc 300
actcagacac cctntgggaa tgaatcccan ctggtgccat atgacagccc atttccttct 360
ggtcccaaan tggaattttc acaaaagtta tttttccagg ttcaattttt aaatcacagt 420
caggacangc ccattcaccc cagnattaac gtggggcatt aaggngannt ggggaaaggg 480
agacctttte t 491

<210> 3662
<211> 64
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 3662
ggactagttc tagatcgcga gcggacgntc gngatntgga aatattttga gnncgtgtct 60
gcca 64

<210> 3663
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3663
attatgggct aggggnnctg ggggaccggg tgcaggggcc cttagctcgt ntctcgantc 60
cgcccgaata tnaatttgga acatgttgtt gagttacctt 100

<210> 3664
<211> 445

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<400> 3664
ggtcattgac acactttcga atccaggcag ccacactcca agccaagtct tccctagaga 60
acagcagcag atccatggtc tcatcagtgt ccttgtagct ttgtgcagca gttccgggct 120
ggaagacaga tacagctgga cagagctcct gaaaacattt caaaataccc cctccccctg 180
ccctgccctg cctttggggt ccaccggcac tccagttgga tggcacaaca tagtgtatcc 240
gtgcagaagc cgagctggca ttttcaccag tgtanccaag ggcctttgcc aagggcagag 300
caggtggagc cctctgcctg ccctatcaca catacgggta cttgcttttc actgtgatgt 360
ttaagagaat gtatgaacag tttacatttt ccttanaaat acattgatgg gatcacagnt 420
ggctttaaaa ccancaacaa tctnn 445

<210> 3665
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<400> 3665
gncactngaa cacatgnggc ncanccggcc cgcctcgaag tgcctgggca ctcggaaaac 60
tgttacctca gggactctat ttaaatgctt gctttttctg cagcaccgct tggggaaatc 120
ctgtcaggat gaaaaggaaa gttggagatt ttttaaatcc ctcttcgctt tgctttattt 180

tcaagtaccc aaacttggtt tattcttttt ttcctttaat cttgaaggct tacccttggg 240
gggaattggt tggggccaag ccaaggcccc ccttggaact tccccaagaa aaatggnctt 300
gaaaggggtc cccttctttc ccaaggggggg aagtttcccc ttgggggggaa gccaaggaan 360
ttnnnaaagg gggccttatt ttccccc 387

<210> 3666
<211> 138
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3666

agtacnngga agtangggca ctcggtggaa aagattggac atagttgcac tcacantcat 60
tnacattttg accatgttgt gctcaacaag agtacagatc acaacgagac nctgcggaan 120
tctcncagac taccgtta 138

<210> 3667
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (565)
<223> n equals a,t,g, or c

<400> 3667
gaaaantnga aattctcaag cagttttatt caattagaac tttgcaaata tcaaattgtc 60
cgtatccttc tggattcttg tctgaacatt gcttatctgc gtacatatca cagtgttttc 120
acatagggat tgctgtatgt tgaagtagtt gaggtgtaat agccatataa tctaatgtga 180
tccatctgaa taggcaaacc cttgcacacc tgtgtacctg ttgaacattt tcatcatttg 240
cagtttttte ttaacataag cactgttctg aatacttgtg aacaagtcac ttgggagttt 300
gntcatgggc gtgtatcttc caaagaggag tcttcacgtt caagctgggt aacacactat 360
cagctgtagc cctttcattt taaaaacatt tccagtgctg caaattacta tggtgattgg 420
gaattcaact nggaaatatt tttatttttt aaaaagatag tacattcata tgaatcaaaa 480
taaaatcctt aaaaaggtct atgaaaagtc ttgctnccgg ccctacccac tattctgcgn 540
aagtccaccg gttcctnaca ngaanttaaa tttttag 577

<210> 3668
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<400> 3668
gctctagang atccaagctt acgtacnatt gtgtgntact ggtatatatg gttctatatg 60
cgtacattaa attnatatta tntggccagt aagatttaca aa 102

<210> 3669
<211> 346

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<400> 3669
gattataatt tnntgtgtaa tagctattca ttccttcatt tatccaatcc tcttaaaaaa 60
atgtagctga agagtttaca caaaaataaa taagtcaagg gatgtgaatg tagtcgttat 120
gtgctgtggg agccaccctc ggttggctgc gtaggcaggg tgaactggta gcagtgtgga 180
ggtaaggagg tgaggcctgg aatggagaag gggggtgtca gtgagatcag tggaggctgc 240
agaggtccag caatgctgaa ggtctgaaat gaggcagnga tgggttgaag atnagangcn 300
natattaaac ttttatgagg tagaataggc aaatgttgat ggctta 346

<210> 3670
<211> 131
<212> DNA
<213> Homo sapiens

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<400> 3670

canggnttaa antnttagna agaactggga taataaaaac agttacggag ccactttatg 60
aagtgaagag aaatatgata acctagaggc ccaatgaggt natnttccag aangntgagt 120
tatatttaaa n 131

<210> 3671
<211> 74
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 3671
gagtgantat tggattctct ttggtatgtc aataaaagtn tatangtatg tnanaacgga 60
tttgaggaaa aaaa 74

<210> 3672
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3672
taccaggagg acgtaatgat taatnancct atcccaatgc cttgtgacta ctctacgatg 60
actgactatg cactgctgat gcantgngct nattcactat gggg 104

<210> 3673
<211> 490
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

<400> 3673
ggaagttcat caatcagtgt gtctaagtgt tcactggtta tataccattt tgtagtttca 60
gctatctttc caacttccta aatcatcacc ttcatttgat cttgtttttt tccactatca 120
cttctttatt gaccatataa agaatataag tgagttctta ttttgttatt gttcatttta 180
gtctaatttc atcaaaatat cacaatcttt taatttcatt ttaatttcaa agattaaatg 240
aaacctacat agaaatgtgt gtaagatttg catttgcatt attttggcat caatttgcta 300
tcctccctca tgcacacaga aatcatttcc accgtatgtg atttcaaaca tncaagtgca 360
gattaaaagc agttgtaaat tatggttctc attttcatga tacaattata atataanctt 420
ctcttgntgc tgtaaccaat tnccaccaac ttcatatctt accataaagt gancgntaat 480
cctaaaaaaa 490

<210> 3674
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3674
ggcgagcggt tttgccttta tttttanttn tcctctttnt ctggccanat cnt 53

<210> 3675
<211> 63

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<400> 3675
gntttgtaga gaacatatat gcataaacat agggcaatta ttnttcnaat ggagacatat 60
aat 63

<210> 3676
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 3676
ggntnntggc tgtttcctag gcggagttag ccctttcatt tttctgcata aggctaattt 60
atttttgcag ccagatgtgg gctgacagcc atcactcagg gcttccttcc cccgccgtta 120
ggaggtctgg aagacagtca cgttccccat tttgcagaat ccccatcaac attattgaag 180
atggatgtat ctttaaagca aagattgatt gtggatatcg gagttatggn gtcatttatc 240
atggtgaata ttatttagac ttgggttgta caaggctgta acttgagaca cagccagggg 300
agggacaacc tgaaaacgcg gatccatgaa ttttaatgga tggatgcttt tttcaaagct 360
caactcacta tagcgtgatt tacttttctt actgcaagga aacaagcnat ttcaagnctt 420
aaagagacag catgccantg gtcctgtctg ggggnn 456

<210> 3677
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<400> 3677
ggatnaagta aaggacgagc aagttcctca ggaaatcaag aaagcagcgg tcagagctgt 60
attattctcc tctttgatgt aataaagtca gctattagat atgagaaaac catttcagaa 120
gcctggatta aggcaattga aaacactgcc tcagtatctg aacacaaggt ctgcattgnc 180
ttcattgnta tctttaatga ctgtattctg gtctaataac tcagttnngg ngtcctaaga 240
agtggagcat tcagttaaga taagtagtaa aatttttttn gtttnttctt g 291

<210> 3678
<211> 231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 3678
ggagaaaatg atatttaagc caagaactct tagaagttag ctaagaaaga gatgggaaaa 60
tgagacgaca ttgctggagt ngataaaact gcatgtnaaa ggcaggaaga tggggaaaaa 120
aagttcagta aagctggaat ggggaaatgt antccgggac tgaatnttaa agggctttat 180
caacctcagt naaganttttg gaccttatgt tganggtggc tgataacata t 231

<210> 3679
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<400> 3679
ggtcattttg aatctacatg aatgaacact ttggattttg ttgtagtttg attctagggt 60
agaaccagtc catgctgttt ttatttttta tctccgaatt gtagaatatg ttactaacgt 120
ttccagtgct agactggcct cgaggctgcc ggttgagnag cagattttng gtatgaatgt 180
gaactaaacc aggcttccnn ataatagnct aggcaaaatn ctaaaaanta nttagnaaca 240

gttgtganag tataataagt gagaaagttt tgaaataata ttagaagtga aaaggaggaa 300
aatgtatgtg naggagcagc taatcaagag gtggcttttt tancacgntg actgaagata 360
cgtgtatgga tgactaaaac caaggga 387

<210> 3680
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<400> 3680
gctcgtgccg aattcggcac gagggaagtg aagccccagc gagcggctgc aacggggccc 60
tgangaacaa ccaacgggaa gcggnggcna atcngtgaac aactnggaa 109

<210> 3681
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<400> 3681
ggggaaactc ggagtacctg cagctggcct ctgtcactga ctccacacag gtgaatgtgc 60
cccgctgctt acacttctca ggagtgggga aggtgcgaca ggctgcatgc ggtggcacgg 120
gctgtgcagt gttaaacgga naaggacatg tttttgtctg gggctatgga attcttggga 180
aaggtccaaa cctagtggaa agtgccgtcc ctgaaatgat accacccact ctctttggct 240
tgacggagtt caacccanaa atccaggttt cccgcatccg atgtggactc agccactttg 300
ctgcactgac caacaaagga gagctgtttg tatggggcaa gaacattcnn anggtgcctg 360
ggaatnngtt cgccttgaag gacc 384

<210> 3682
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 3682
cggaaagcgg ctccgagcca ggggctattg caaagccagg gtgcgctacc ggacggagag 60
gggagagccc tgagcagagt gagcaacatc gcagccaagg cggaggccga agaggggcgc 120
caggcaccaa tctccgcgtt gcctcagccc cggaggcgcc ccagagcgct tcttgtccca 180
gcagagccac tctgcctgcg cctgcctctc agtgtctcca actttgcgct ggaagaaaaa 240
cttcccgcgc gccggcagaa ctgcagcgcc tcctcttagt gactccggga gcttcggctg 300
tagcnggctc tgcgcgccct tccaacgaat aatagaaatt gttaatttta acaatccaga 360
gcaggccaac gaggctttgc tctcccgacc cgaactaaag ctccctcgct ccgtgngctg 420
ntangagcgg tgtctcctgg ggctccaang cagcgagctg tgcccgangg gttcggaagg 480
c 481

<210> 3683
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 3683

ttttanggtt tcntaaaaag tatttaggtg acactatata agtacgcctg caggtaccgg 60
tccggtaatt cgcggccgca tcaaccgaac cggtgcgccg caaactangg cgcctcgggc 120
cagggaacgc ggtaagtaac catggccanc gctaacgggg cccgtggtaa aacnggcncc 180
cggacaggga atccgccggn cctgccgcnc cccatcctca acctggaggt caagttcacc 240
aanatattta tcatcaatgg aatngcacgt antccaanat tgggaaaaaa gtttgctaca 300
tntaaccct 309

<210> 3684
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 3684
gataaggttc atgctttaac cagatccgga acatagacct gatatatttc aagtgtcata 60
ttttgcattt aaatttgcca aaaaggattg tccagtctcc aacatcaata attcttctat 120
tccttcagct cttcctgaac cgatgactgc tagtgaagca nctgctagga aaagccaaat 180
aaaagccaga ataacagata ccattggacc aacagaaacc tcaattgcac caagacaaan 240
accaaaggcc aactctgcta ctactgccac tcccagngtg ctgaccattc aaagttcagc 300
aacacctgtt aaagnccttg ctcctgntga attcngtaac catagaccaa aaggggcact 360
aagacctgga aatggccctg aaatttttatt gggtcaggga cctcctcagn agnncgcaca 420
gcancataga gnactccagc 440

<210> 3685
<211> 166
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<400> 3685
nggggccgcg ctttccctcg tgaaggtcgc tncangagtc atgcgtacat ncgctcattt 60
tgctntggac gcactgatgt tcccggctcg tcgccgtgcc gcaatcacna ggctctncga 120
acgcctttca ctgtgtatct gntatacatt cncatntgca aaaccc 166

<210> 3686
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (608)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (616)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (625)
<223> n equals a,t,g, or c

<400> 3686
catcccccgg gctgcaggaa ttcattgacg acgacaagtt aacgtngact caagatggct 60
gtcttcgcct tagtactcgt gtgaagttgg cggngacggt tcctgtcatc ttcttgggct 120
tatttggtgt gctgttgaag gggggagact agagaaatgg cagggaacct cttatccggc 180
gcaggtaggc gcctgtggga ctgggtgcct ctggcgtgca gaagcttctc tcttggtgtg 240
cctagattga tcggtataag gctcactctc ccgcccccca aagtggttga tcgttggaac 300
gagaaaaggg ccatgttcgn agngtatgac aacatcggga tcctgggaaa ctttgaaaag 360

caccccaaag aactgatcag ggggcccata tggcttcgag gttggaaagg gaatgaattg 420
caacggtgta tcccaaagag gaaaatggnt ggaaagtaga atggtcgctg atgacctgac 480
aaccttaata aacgcatccc ctatctctac caacctttaa ccgacatggg aggttcgata 540
ganagaaagt gagactttga aaggtcattg cncctgagaa ggaactgctt tcctggagga 600
cgnttgantt tctganaaaa ggctnttgaa aaaaaaaaaa ggctaacgg 649

<210> 3687
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<400> 3687
gcttttgatt tataattgtg gtgggggcgg ggaatcaaga caaccttagt cactttggta 60
ttaccataat tcttgtcttt tcagggttgt cctgttcagc tgcataaaac atcatgtatt 120
ctaggtattt cctaccttca cttacattat tacttgccga tgtgctgcct tnataaatgg 180
gtatattccg ccacacatct agtaagcccc caatgcagta cacaatgtgt atcactgata 240
aaactcgcac ttctgccatg tcagtattat attcagnttn agtggtcttt agcatantgg 300
cagtnctagn 310

<210> 3688
<211> 468

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 3688
gaattcggca gaggggcagt cacatctctt cctccgaggc cagtaccttt ccatttattc 60
tttgatcttc agggaactgc atagattgat caaagtgtaa acaccatagg gacccattct 120
acacagagca ggactgcaca gcgtcctgtg ccacacccag cttcagcatt tccacaccaa 180
gcagcaacag caaatcacgg accactgata gatgtctatt cttgtttggg gacatggggn 240
tgnttatttt ctgttctatt ttgtgcttta gtcccattcc tttgcacana gtaggggtan 300
cccattcaat tanctnttgg natggnttta gggattgggt tnnccctaaa aatnantnng 360
ggttnntttt tnaaaaaaaa aaaaaaaaat tcgnggggggg ggggcccgnt ncccnttggg 420
ccntnnnggg ggggnnnana gcgncgtngg gggggggggg ggggtgtn 468

<210> 3689
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<400> 3689
agcaagccca ggcggcggtg gaaaggtgat ggggctggag gacacaccta aacatgtgga 60
atcccaatgc cgggcagcca gggccaaatc catatccccc caatattggg tgccctggag 120
gttccaatcc tgcccaccca ccacctatta atccaccctt tcccccaggc ccctgtcctc 180
ctcccccagg agctccccat ggcaatccag ctttcccccc angtggggcc cctcatcctg 240
tgcacagcca gggtatccag gatgccaanc gttgggtcct accttctcca taccaacgct 300
gccctggaat cctctgtgaa tccttggtct ggcatgttga ccacatgata gtagacaaga 360
gancagagaa aatgaagaag tcataaaaga tgcacagacc aaa 403

<210> 3690
<211> 136

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<400> 3690
gngccgcacc cggggcctgg gtgagactgc ggcggnggca gggcgcggta cggccatatt 60
tgccggcncg gncccacccg ccgacaanaa aaagtgcgcg ggctcncggc gggcgntcgg 120
actggcgctg ggactt 136

<210> 3691
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (173)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 3691
agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac 60
caagcataat atagcaagga ctaaccccta taccttctgc ataatgaatt aactagaaat 120
aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac ctnagaacag 180
ctnaaagagc acacccgtct atgttgcaaa atagtgggaa agatttatag gttgangcga 240
caaacctacc gagcctggtg atactggttg tccaanatan atcttagtnc nactttnatt 300
tgccncagaa ccnctaatcc cctgttattt actnttancc caaaagaacg tctttggacc 360
ttgaaaactt ttaaaaattn aatttanccc tgttggcggg ggcnccttaa aagttcaccc 420

<210> 3692
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 3692
gccactccac cttactacca gacaacctta gccaaaccat ttacccaaat aaagtatagg 60
cgatagtaaa ttgaaacctg gcgcaataga tatagtaccg caagggaaag atgaaaaatt 120
ataaccaagc ataatatagc aaggactaac ccctatacct tctgcataat gaattaacta 180
gaaataactt tgcaaggaga gccaaagcta agacccccga aaccagacga gctacctaag 240
aacagctnaa agagcacacc cgtctatgtt gcaaaatatg ggaaagattt ataggttgag 300
gcgaacaaac ctaccgagcc tggtgatact ggttgttcca agatanaatc ttatttccac 360
ttttaatttg ccnncgaacc cnctaatccc ctgttaattt acttttngtc ccaaaagaac 420
actcttttgg 430

<210> 3693
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<400> 3693
gccccaaacc cactccacct nactaccaga caaccttagc caaaccattt acccaaataa 60
agtataggcg atagaaattg aaacctggcg caatagatat agtaccgcaa gggaaagatg 120
aaaaattata accaagcata atatagcaag gactaacccc tataccttct gcataatgaa 180
ttaactagaa ataactttgc aaggagagcc aaagctaaga cccccgaaac cagacgagct 240
acctaagaac agctaaaaga gcacacccgt ctatgtagca aaatagtggg aagatttata 300
gggtagaggc cgacaaacct accgagcctg gtgatagctg gttgnccaag atagaatctt 360
aagttaactt taaatttgcc acagaaccct tctaaatccc ttggaaattt aactggtagt 420
ccaaagagga acagctnttg gacctaggaa aaaccttgga nagagagnaa aaatttacac 480
catagtaggc taaagcagca ccanta 506

<210> 3694
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 3694
gatatcaagc ttatcgatac cgtcgnacct cgagtttttt ttttttttt ttccttttt 60
nnnttttttt ttgagatgga gtctcactct gtcgcccagg ctggatacct gagaacttgt 120
aatccaatga gtagaaatgt tggtactcca tttatggctg tcaacctgcc agttctcagg 180
agtttgtata aaagcctaaa tccgaaaggn nctaatccca ttnggccccc tgtntccttt 240
tctgttgcct ttgcccactg gctntggaaa caggggtctt tctttctcct nggctatctt 300
tggatatggg gctccgtctt ntgtgccanc tnagggaatn cttttcaggc atggntaagg 360
cattaaaaag cttcagtttc agtaacattt tgagtgagta ctctctgaag cttcgttgga 420
anttaggttn tttgcttgaa ggtaactttt nggctaaaag tttttatcct aggttttggt 480
ttaggcccct nngt 494

<210> 3695
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<400> 3695
anttccccgg ggggagctcn ggggggaaag atcaaccggc cccgaacggt gactgtttgg 60
gggccgcgaa ctttttttcc tcaagctttc ctgagccctt tnatctcgca cgaaatggga 120
tnagtgaagg ggccggggct gcctggtgga ggggccccgn tcgcggcgag cccactccat 180
ctgaattcgn atctttntcc ccggcaggag ctgaagaaga agctgttcaa acgccggcgg 240
gtgttgaatc gggagcggcg tctnaggcac cgggtggtcg gggctgtnat agaccaaggg 300
ctgattcagg nggcaccanc tcaagaagcg ggcgttccat tgcaagtggc caaanttaac 360
attntcaagg aagaagngcn gaaaattctt ccagcaattc cgntttnncc agaaaagngaa 420
ggcagccttg gaattggaag ccctttttaaa gccanccagn ttntnnacca anttaaaagg 480
aaagnaggna aagcccccag tt 502

<210> 3696
<211> 311
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<400> 3696

ggcacgaggt tatttgccac ctatgtcatg attgaaatag ttaattgatc ctgtgaatca 60
gttagcaaaa cataactcaa tggaaagata ggcaaatgat acaaataaga aattcacaaa 120
agaagaanta ctaagtctct agtgatgaga ganatgtaaa tnaaaatgaa acatgtnngg 180
nnntcaagtt gtcacaagtt agacaatcat atccaatatt tttanaggtt gtnagactgt 240
naggnaatag ccactgtcat atcatttta aaggaatata aattataggg cctttngttt 300
ctttgggttt t 311

<210> 3697
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 3697
ggagccacac agggtgagga ggatgtgtat ccactgggac gcttccgggc gggatgttga 60
atcccacaaa aggcaaggag gactgcagca cagggagtgg cccagctcac atggggtaac 120
aggcctctgt gcaggggtgg tgtggcctgg aattgtgagt gggagctcag atgggatgaa 180
gagggcagcc ccacggttgg agcacatgga gggtgatgag tgcagngctg aggctgaggg 240
aggggctgca gaatcatagg gaccggtgac agagaagggg ctggttagat gantaggtag 300
taaggatnat gggagcctgg cttcccagtg gcagacagag atgttggatt tgatttcaag 360
gtaatcttga aattactgtt gcaggctgct gnggaaaagc acatganana aatattaata 420
gtattttaaa aactaagaca aaangtanag aa 452

<210> 3698
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<400> 3698
gagaagtctc cgaatctcgg aacctggaga agaaggatgt ggaaactacc agttctgtca 60
gtgtgaagag gaagcgtaga cttgaggatg cattcattgt gatatccgat agtgatggag 120
aggaaccaaa ggaggaaaat gggttgcaga aaacgaagac aaaacagtcg aatagagcaa 180
agtgtttggc caaaagaaaa attgcacaga tgacagaaga agaacagttt gctctggctc 240
tcaaaatgag tgagcaggaa gctagggagg tgaacagcca ngangangaa gaagaggagc 300
tnttgaggaa agccattgct tgaaagcctg aatagttgcc cggccttctg atgctttcgg 360
taccagaatc ttngancttt tggncacttg gacccgnntt tc 402

<210> 3699
<211> 435
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<400> 3699
angggacaaa agttggaacc tcacctgngg tgctggccgn tctagaacta gtggatcccc 60
cgggctncag gaattcggca cgagattnag aacagcttca tgactgcctc caagtagcca 120
ccgcctggat gcagatngcc ggagaggacc ggcggctcgg aggaagcccc caccgtgggc 180
agggagcagn cggccagncc nttngcccca ggacctggnt gccatacttt cctgtatagt 240
ttcacgnntc atgttaattn ctcangnaat tnaaaangna ggncaaaaga gntgttattt 300
tttttaaaaa gtttttaaaa acagganagt nctngttngn tgtacatttt aaactngtnc 360
cccaaacttt nnncnttnga nccttttnna gngcccnagt tggggtnnca aggncagggg 420
tagncaagta attca 435

<210> 3700
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<400> 3700
ccatccggan tcccnggtcn tctgtgcagg ttggaggatg gttggttgtg ncgagcgagg 60
ctgaangagc cgggacgcgg ggctctgggc ctcgggaact gagccngtnc tcacctccgt 120
accttctccc cgtcactgtc cgcatcatgg ccctacttac cctaangacg tgggcctcat 180
caacggncnc aaa 193

<210> 3701

<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)

<223> n equals a,t,g, or c

<400> 3701
nccccactga aaaagatgan tangcctgcc gtgtganccn tgtgactttg tcacagncca 60
anatagttaa gtgggatcga gacatgtaag caacatcatg gaggtttgaa natgccgcat 120
ttggattgga ttaattccaa attctgcttg cttgctntnt aatttanata tggttaaaca 180
cttacacnta atgcacaaaa tgtatggtta taataatgtt tacatggaca tgatctactt 240
tataagtcta ctttgantgc nntctccata ttatgatgta tctaaacaag ttgctccaca 300
ggttactcta nnaaggctgg cccttagaag tnggggacca naagattctc ttgnccaaac 360
atcca 365

<210> 3702
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<400> 3702
gctagctgct ctacggtcat ctttgcttag agtatacttt aacctggctt ttaaagcagt 60
agtaactgcc ccaccaaagg tcttaaaagc catttttgga gcctattgca ctgtggttct 120
cctactgcaa atattttcat atgggaggat ggttttctct tcatgtaagt ccttggaatt 180
gattctaagg tgatgttctt agcactttaa ttcctgtcaa atttttgtt ctccccttct 240
gccatcttaa atgtaagctg aaactggtct actgtgtctc tagggtnaag ccaaaanaac 300
aaaaaaaatt ttactacttt tgaaaatngc cccaangttg caaaattata taattctaac 360
ccttaaatca nttnaaangg ttggctgctt ttcaaccttg gcccnctgtg aattccnacc 420
caaggaagaa ccctggaaca aaa 443

<210> 3703
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<400> 3703
caaaattatt ggctaactta tacaataatt ttgattaata acctgagaag ttaaaattat 60
tgtataagtt agccaataga atttttaggt taaaacaaca gatgggggt ttgtggagtg 120
tttaatgtca tgggcatttt tagtagcata gacccttgt tctgcatttg aatgtttcgt 180
atatttttgt ttcacagtta atcttccctc cccaagtttg ctattcaaat caactgcctg 240
aatgacattt cctagtaatt ctgaagttat tttcctgaag gaatanttgg tgaatnccna 300
tgcaggtttt ttccatacca atanccccn ccccggaaaa aaaaaaccna aacccccctt 360

antaaaaaaa ccgncncttt ttttgggggа aaaaattccc ccaaaagggg gaaaaaaaaa 420
nccttttaac caaaattggg ccccccngggg ggangggggg gggggnaatn ttttaat 477

<210> 3704
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<400> 3704
atcctatact ggttatagtt gatatgtaac agttggtgga ttttagattt ctttggattg 60
tgaaacaggg gagctatgag agatgtgtcc atgtgaaatt tacagttact gcctagggag 120
ttaatgatcg ttctgggtca gcttgaatgt ccccattcta taaattcaac acttattttc 180
tgaattcata aaaataacca aaaaatgtga gctataatgt ttccctcaag aacaaacaga 240
aacganattt gccaaaaact aaaattcnac aaatgatttt tantgggana ttgggctttg 300
nctttagcgt gttaattgga agcactgccc tttngaccgg aattttact 349

<210> 3705
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 3705
ccaatttcaa aatgtctcaa tggtgntata ataaataaac ttcaacactc tttatgataa 60
cnacnctgtg ttatattctn tgaatcctag cccatctgcg aagcaatgac tgtgctcacc 120
agtaaaagat aacctttctt tctgaaatag tcaaatacga aattagaaaa gccctcccta 180
ttttaactac ctcaactggt ctgaaacaca gattgtattc tatgaatccc agaaagatga 240
aaaaaatttt atacgtttga taaaacttat aaatttcatt gattaatctc ctggaaaana 300
ttggtttaaa aaagaaaant gttaatggca agaatttaaa aaaatatttt ntaaanncac 360
aattatttta ttattnggaa tatccaactg gctttttaa aanggtggcc ccccccttt 420
ttcccttgng tccnttgggc tnggtcaaaa aattccct 458

<210> 3706
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<400> 3706
gacgagtcca tcacctgcaa cttaaatgaa caagcttaca tcccattttg agtgaagatt 60
ttgaggtttt taatttaaag gctgtgtaca gttatacttt tttatacacc tgttcatttc 120
tacttaaatt atggcacaga ttgatgcgca ccagtcttga ggaaacgatc tccctattcc 180
cttaccctgt tactcancca cgccgtgtgt tagcttagcc tcaggtggcn agatgtttga 240
ggaaaaggaa ttatgccagg aaagtgggga ccgggtttat ggtcngggtt tcctattggg 300
aatgctcttt gttgcttttt gggcatcctn aatggaaact nttacattag aaccttnang 360
ttggaactcc cccccaaatc cgcccatatt tttaaaaatt tattttccac tcctattcct 420
tgcntttaaa acttgttact ccttttttgg caaaatttta accaattttt 470

<210> 3707
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<400> 3707
gnggngngng ggtccggaat tcccgggtcg acccacgcgt ccgagtaaat ctcatanaag 60
cacatgaaga acagcagtga aaccaaggat tctagcaagg ccagctatta gcaaagcagt 120
aagcaggaac tggactagat accaaatgat ggggaaacag actcatagac ctaagaacat 180
agaagaaaga natgttgaca tcaacagaaa ggcaaaaggg gcaatgcagc atctcttgcc 240
ttcctcctgg gtttttcccc cttaaattgn tttgangatt aaccnccaan cnacac 296

<210> 3708
<211> 333

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<400> 3708
gcttttaaaa acgaacccca tttttgtgtg tatgtggaat attactacca ttcctgctgt 60
cttgtcttta gctctggaga aagttgagtc tttttttag tctataaaaa tcagtgtcta 120
tataaatgtt gttcaggctt ccaatataac agatggttgg ggtttctaga gcaaagggtt 180
tttggatttc tctttttct aggttaatgc tttacgtcca gttctttctt cattatttag 240
aaaagcctta attttttttt tttttttaa aaaaagcncc gggcattttn nctaacaaaa 300
aaaaaatttt nttaaaaaaa aaaaccccca tan 333

<210> 3709
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<400> 3709
gatccatttc cctgttctat acaggtttct ttgaaaagac acaggggtta gggataagga 60
atagtanaat ttataccatt tttgctgcag agaatggcta cagatggagg ctggaaacct 120
gctgttaatc tctagaacac ttccccacac cagtgtgcca cacattagat actttattaa 180
gaaaatcact tcagtaaatg tttgaaaaat tatttcctag atctcttctt tttttccttc 240
cccaataaac tttggttgca cacaaaaact gttactgaac cctatgaatc tagaacttna 300
cttccaagga aaaccaatta ctnaatnttt tcccctgaan ngaaattg 348

<210> 3710
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 3710
agcgcancac cacctttgag aagtctctgt tgatgggcaa ngagttccag cgccgcgcca 60
angccatgat gctgcgggca gctgtgctcc gcaaccanat ccatgtcaag tccccgccca 120
naaaaaggac cangggaac ttactccacc aacaccantc ccggatgaac accaacatgt 180
naagggtgaa cttggcctcc aagacatctg cacccccctcc ccacctccac ggaactcgga 240
actccaggcg ctcaatnctg cctgcngcca ctaaagggcc tngccatggt ttnccnccca 300
ncctnttttc ctccctgggg cttaagaagc agcngttcta tttttgcctt cctggaaaga 360
aaagctcang ctccaccttt tgtttctttc cnggaacaan tgtcgcncca gccatggaca 420
ttccnaacct cttcccctc 439

<210> 3711
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 3711
taaacttaca gacactgaat taatttcccc tgctactttg naaaccagaa aataatgact 60
ggccattcgt tacatctgtc ttagttgaaa agcatatttt ttattaaatt aattctgatt 120
gtatttgaaa ttattattca attcacttat ggcagaggaa tatcaatcct aatgacttct 180
aaaaatgtaa ctaattgaat cattatctta catttactgt ttaataagca tattttgaaa 240
atgtatggct agagtgtcat aataaaatgg tatatctttc ctttagtaat tacattaaaa 300
ttagtcntgt tttggaatta attaagttcc ttttgggata angttggggg taatgtggtc 360
catnccccct aaanaaatcc nacnggttaa tatanccatt ttttattaan ggnccctttg 420
gccaataaat taaccctgaa aacctncccc cgaaaaaaac cnaaacttaa tcccccccca 480
aatg 484

<210> 3712
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<400> 3712

cttggtcaga tttgaactct tcaatctctt gcactcaaag cttgttaaga tagttaagcg 60
tgcataagtt aacttccaat ttacatactc tgcttagaat ttgggggaaa atttagaaat 120
ataattgaca ggattattgg aaatttgtta taatgaatga aacattttgt catataagat 180
tcatatttac ttcttataca tttgataaag taaggcatgg ttgtggttaa tctggtttat 240
ttttgttcca caagttaaat aaatcataaa acttgaanna naann 285

<210> 3713
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 3713
ggctggagct gctgctgttc tccctatcac tcgtggggaa gccaggcctg gcgaggtgca 60
ggcacttgct gaggtcacgg cggccanact ggagcccaga actctgtctg cacctaagca 120
cagtgtccct tacctccagc atctgagtcc catcgtctaa tgtggcttta acctcaggat 180
cgggcctaat tctagaatcc tacctgcaag acaagcactg agactgaaac aggangattc 240
cttganttcc aggaatttca aatccancct gancaacatn gtgaaaaccc catctctgca 300
aaaaaaatga aaaattactn ggctgggggg tnccnttcct nttaaatcnc ttcccgggaa 360
gggtaagttt ttaaaaatcc cctaa 385

<210> 3714
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<400> 3714
gnaaacagta gtttctctgc caaaaattaa aattaaaaaa accgttgtct gttttagcaa 60
aaccactgct tggtgagtta ttacaagatg tgtactatta aaaactcatc tttttcttca 120
gtgaatgtat attgagcatt tactgtttga aaatgcgttg ggtagcaagg ggagtctaca 180
ggggatatga gcctaatccg atacagagtc tgccttcagg gagttcacag cctcatgagg 240
aatagaaatt tctcactggt ccctaaaact ctcaaatata aggtcttgca gantgtccct 300
tgcatcatgt ttccttcctn aattacaaga aatagcatgg aaaaaaaatg cnttatgttg 360
actatagatt tanatataga atccccn 387

<210> 3715
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 3715
cccatgggta gccctgcccc agggggcaca tgctgtaatn ncaacaagtg tggcnanatg 60
agagatgacc atgtgtatcc ncct 84

<210> 3716
<211> 109
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3716
ttaaanttaa tttgagacat ctnattttcc ctctaaaaaa atgaagaaat ttttggatgg 60
tcccatcccn cctccccctc cccagngggc nctctaaaga atngaagct 109

<210> 3717
<211> 111
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 3717
aacccnaacg ccagcaggaa ccggtccgga aancccgggt cgacccacgc gtccgatttt 60
ngagtttttn tgatgccaat atcaacnggg ggatttttaa aaattgtnaa a 111

<210> 3718
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 3718
gctcaaattc agccagctcc agctgcccct ggcacagagg agctgactga ggctccagta 60
cagggcctgc tccttccct cctgttcccc tcagtgtgcc ctgggccggg ggccaggcat 120
ggtgggggtg gggaggctgn cngcngaggc cnang 155

<210> 3719
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<400> 3719
cttttnttaa caaaactcaa ccncattagg ggggaaaang cntgngttac cgccctgggc 60
cagggttacc cgggtcccgg ggaaatttcc cgggggtcgg gacccacgcg tccgcccacg 120
cgtccggggg aagaacattt tgcttatgtt ttaaaggtat gtattggggt aagaggagca 180
ttatatatgg gaacctctca caaaacaggt gattattttc ttattatact caattttcac 240
cctgaataga gtgttttgat tatgtaagtt agatcgtaag tagatggctc tcttaaagac 300
attttatggt tttgttgttg ttgtttgttt ttcgantcta ttaaatnaaa ggtcacantn 360
ggagtagncg atacagagaa t 381

<210> 3720
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (76)
<223> n equals a,t,g, or c

<400> 3720
gccgaacgca ggagaaccga tccgnatncc cggtcaccca cgcntccata aattacatgt 60
ctntgaaatt tcattngggg cactaataaa attttcagac cctaat 106

<210> 3721
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<400> 3721
tcgacccgta cagatgntgg ncagaagnat cccttaaatn aattgtctta tcacntggtg 60
tgtattaagg aatctgacat ccacaccggt caacagtttg cagctaaatt caaaaaactc 120
tgntgccagg aaattcagca cattctctgc acacgaaacc tttgcaccaa angagagtta 180
tgactatctc aagacttctg gcttggcgat gttcatatng nganganga gacttt 236

<210> 3722
<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<400> 3722
cttttntttt acggaacttc acctcattag ggggaaaaaa ggctgggttt accggccctt 60
ggccagggnt tacccgggtt cccgggnaat ttcccggggg tccgaacncc acgtcgntct 120
cggaaaaaaa aaaaant 137

<210> 3723
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<400> 3723
ggtggagacc tgggagagag tgttaggaag accgaaaagg gcaggacggg gcctccactg 60
cctcccatcc ctggtccggg cccacatagc cttctttgtc acaatcagct caggtatcca 120
agatcagatt acccacattc attatttgag caactattca ttgaacagtt agaatatgtc 180
tcactctgtc agttgctggc tagaagtaga aagtaccaga tgagtgaaat aattggccac 240
tatccttggt agctgatgac taagtaagag agagatgcaa gacaacatgt ggaaaatgcc 300
aaactgagta gcagtcacag ttgacatgct gcagagagag ctggccgggg gtcagaagac 360
ctgggcacca gtcctgttca tttccagtgt ggcctcgagt cattcacctg acctcctgaa 420
gttcattttc ccaagaagtt gtttantcca actgnccatc aaggatcttt anggaccctt 480
ntanct 486

<210> 3724
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3724
agncgaagag gcggcaagaa aaancnaggg agaagccagg taccnccntg naggaaacgc 60
ggtcgcggaa ancccgggtc gacccacgcg tcccantca 99

<210> 3725

<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<400> 3725
ggtacccagt ggtggaagac caacacacac ctccgcagac agcccagcac gccagaaacg 60
gccacccgca ggccctgcca gccgctcacg aggctgtcta cagggagggc aagccagca 120
ccccggagtc ctgcgtctcc tcttcatcag ccatcatcgc caagccagga gagtggctcc 180
caagaggacg ccaggaagag cctcgcccag cccccacggg gacccccccgc cagccaaggg 240
aggcgcccca ggacccaggc aatggagtga ccaccaggta agggggatat cacaaggcct 300
tgaacctgac tcttggagct ctgggagtgg gccgccccac gccggatgca agagcaccca 360
ggagacctgg aaagcttctc tgangcccaa cctttgacag gggangctaa ngagcagtgt 420
caanattccc agcggantgc a 441

<210> 3726
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<400> 3726
ggaatttctt ctggctcaga aatttcccct gtaannacaa tatccatttt ttttattatg 60
gaagtagagt agcaaagngc aatttgcttt ataggaattg tttttatagg caaggatgaa 120
tttattccag agagcataga atatctattg ggttacttaa tattactcat tttgggtaca 180
gagccatttg cagcccattg tacttcagga aacagctgag aaaatgattt gtgtgtaaga 240
aggatgtttc ccattcaatt nccatgggtg tgggaggagg ggctttncnn gngg 294

<210> 3727
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 3727
ggtanatatt tttatcacat taagaaagtt tccttctatt attagtttgc tgatatgttt 60
tcttatgtga atgtatatca aatataatca gatacttttt ctgtgttcta tgaacatatt 120
catgtaattt tttctgttaa tgtgatgaat tgtattgatt aaattttgaa tgttacaaaa 180
aagccatagc aataantccc ttctaatctt tatagcttcn nttnttcctt cttgcctnnt 240
tgcactggct ggtaccgnta cggngtnaaa tagaagnggg aataatggac antcttgact 300
tgttcccaat ntcatgggga aagcttttaa tatncatcat taagtaanat tattgctatg 360
gctttttggt aaatattttn atcacattaa naaaggttcc tt 402

<210> 3728
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<400> 3728
tgcagcatgc tatngacaac atgaatgatt ctgagctctt ggnactatac aantggcgat 60
aanctggtca aacgnaatga gaattaaggg aaatgcatgt acat 104

<210> 3729
<211> 270
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<400> 3729
ggtgtaagga agacatttgc ggtgcttctt gtcctataat gattcaagta tatagtagtt 60
cttgaaagag tgtgcatata ttactcatct gcttaagaga gtgggttaat ggatatatca 120
gaggagccaa atacattttt ttcagaactt gaaaaccaaa ggtcatcatg agtgcactca 180
aaagttagga caagtttatt acatttggga ttttcatctg tagccgtatg aanaaccctt 240
tccaatataa aancatggna ttaaattagc 270

<210> 3730
<211> 62
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 3730
gaaaactgtg gaatgtangn aaaccatact gcctaggttc ctttgnantc atctgaaang 60
ga 62

<210> 3731
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3731
ggacacatnt tcgaaacact anaaaacaan aaatactacc gtnaataaan aaa 53

<210> 3732
<211> 247
<212> DNA
<213> Homo sapiens

<400> 3732
ggagtgggtt aggaggggcc ctcggggagg gaagaacaag gagagaggga agtgagagga 60
aaggaggttt ctccttcatc taaatcccaa gtatacaccc ttctaaggtc tgttctggcc 120
cttccctagg gagtgccttc ccctctacct gccaggtccc atagataagg atgtcctccc 180
ctgcaggcgc ctggcctcca tcacagcatg cccactcttg tgcccgctgc aacctcctct 240
gactctt 247

<210> 3733
<211> 247
<212> DNA
<213> Homo sapiens

<400> 3733
ggtgagatca gctccttaaa tggggatttg aaaacattag ggcttcatta tgtacacaac 60
ggcagtgcct cattcatcat gcaaaaatca ctcccgttat taaaaatccc tgtggcagct 120
gcatgccggg gcttggtggc atcgtgcctg ctggggacag agcaggagct ccacagccct 180
gcctggtcaa agttgtggcc acgggacagg ggccccaagt cccagcctcc ctcttacaca 240
ggggccg 247

<210> 3734
<211> 368
<212> DNA
<213> Homo sapiens

<400> 3734
ggtcctgtta gagaggagaa agactgtaat gaaactacta gacccatttg ggctaaagtt 60
tggcttttcc ttccttgagt catagaacat atccatctcc caggaaatgt ccttctctgg 120
cgtctgcttg cccttctgag tctgcctttt ttgcactgaa cataagcact ttatactaat 180
gggtcacaaa tcttgcagcc cttaatttgg gataagacca gattttcctg acatttttct 240
ttaacttaat ggaactatca aattataggg caccactgac tagactgata tgagatgagg 300
ctaaaagcct ttgaacacca cgctgtagtc tccaacagaa aaacaccacc aaaacagata 360
cccatgtt 368

<210> 3735

<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 3735
aaaaggggcc gtagtagccg angatnatac acggacntnt atanggggaa tgattggtcc 60
tncctgcngg tactcggtcc gttaattncc gggtcgacc 99

<210> 3736
<211> 278
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<400> 3736
gccgggtttc tccaggccct tggcctggat ggggatgggg tcataggtct gcacagagca 60
ggcgtagacc cggctttctg ggcagtgtgc tgagttctca gttcctggcc ctgtgtacgc 120
tgaaaccctc cctggtggtg gagctggcaa gagacctgct ggagttcctg ggcagcgtga 180
atggtctctg cagcagggcg agcctcgtca ccagcgtggt gtgggccatc ggcgagtcct 240
gtngggacct acgatcngga ggtgcacccn tggancan 278

<210> 3737
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (301)
<223> n equals a,t,g, or c

<400> 3737
aagttgaggg agctcatatc caggcaggag ccgagcaagg tgccctctac agacctctgc 60
tgtatatggc tgtgaatatg ttgctgttct tggttcctgt gaattcgtga ttctggatgt 120
tctacattgt cctagaggcc ccaaaaagga tgggaagagg agcccatctg ccctggtgct 180
gaacatgtag ggatcgtggc taccaccacc ttcagctacc agcagatttg cagttcctct 240
cttccttaaa ttccttgtgt gcanacaaaa ataaaatctt cttcctctga tgaaaaanaa 300
naa 303

<210> 3738
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 3738
gtaaaataaa aagcctcctg tttccccatc ccacttcatg aaggtaatga ctataacatt 60
tcttatgtgt actttcagat taatttttact tatttaatag catatgtcct taaaatattt 120
tcgacaaata ggattatcat tctcatacta ttatcgttct catactgcat cctccttttt 180
ttgcttcatg atttttctta gaaatttttg ataaccagca tatacagatt tttacattct 240

cttagcaacc agnatagtna cctagccccn tgtttgacag aatgtttaaa attgtgttta 300
ttatttttc ttgtcacaaa ataatgctgc antggatttg tatatatatc tttatattct 360
tgaaatggac ttagtaagtc agaggctttg tgaattntca gntttggtag attttaccat 420
attgccctcc taaaaggtta tacc 444

<210> 3739
<211> 50
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<400> 3739
gcccacgcnt ccnnccacgc gtccgaaaaa aaaaaanagg ggaattttaa 50

<210> 3740
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3740
ccaanaaaga aagcgaacgc ccgaggaccg accggaaaac ccgggncgac ccacgcgccc 60
gttttcantt aacncaagta cgtttaattg ggnacagagg aagntaaaag aa 112

<210> 3741
<211> 225
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<400> 3741
gnagaagtct gagatgagaa aaaaatgata taatatccac ctactacata gtgggtagtt 60
tatatactaa agttattgtt atgagaaaga atggcttagg aatattattt aaaattaatt 120
aaggggtgt taaaaataaa ataccaagtg taaaaatgac aaaggcaaga agaaacagta 180
tataatgnga gtaaatntta atntttccaa ganagganac agtac 225

<210> 3742
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<400> 3742
gtttagattc tgcctgtgtg gtcattttaa aacatgtgtg acatatatca ntaccttcat 60
tcttctatat tttgtgtctc ctccaacctn caacttttt tgttttttga aaaatgattc 120
tctaacacct caacagtnta aggtaattta ntacacatat atcagtattt ttgtgatctn 180
aaaaagcaac ccatnttcta antt 204

<210> 3743
<211> 201
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<400> 3743
agtggaaaac ncnactatag ggtttagntg gnacgccngc aggtaccggt ccggaattcc 60
cgggtcgacc cacgcgttcg nccacgcgtt tngggagcat ctactggtgc aggcagacaa 120
nccaaataca naaggaaaag gtggaaatga acgcccaggc gtncaaanct ctattcttaa 180
ccanttatgc taaaggcaag a 201

<210> 3744
<211> 50
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<400> 3744
gctgcaatgt tacctgaggc ttcatttnnc ttncccancc gtgccaccat 50

<210> 3745
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<400> 3745
tttggaatgc ctgntggaac gtccgcaggt accggtccgg aattcccggg tcgacccacg 60
cga 63

<210> 3746
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<400> 3746
tatanggaaa gttggtacgc ctgnaggtac cgggccggna ttcccgggtc gacccacgcg 60
tcnggacctg aaactgatcc acaggcatac agncaataaa tgagctttca atgaaagcag 120
gtcaatagaa gaaaataaat natttcaatt aatggacttt catatggagg tgggggagac 180
caacaatgnt attntccctc acactacata caaaagtaat tggaggtgca ntatacacca 240
aaacttaaaa gttaaagata taaagnattt caaggatact ctgtaggnaa agattagnct 300
accaacaagg aggacactga aaaatattat aanaagacat gataaattag acttn 355

<210> 3747
<211> 281

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<400> 3747
cnttggaaac ctttaggggn aaccgctatg accatganta cgncaagctc taatacgact 60
cactatatgg aaagntggta cgcctgcagg taccgggccg gaattcccgg gtcgacccac 120
gcgtccgctt ccattatccn taaatattga taaactccca ggcnccaaag aaaacattgg 180
cttaattgtc tgaaaagaaa caagagaaaa acactggtat ttttatgtct gtattcaata 240
tggtataaaa tataaaaant atattttaac ntanngaaan a 281

<210> 3748
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 3748
ggaaaaaatt agagtgttca aagcaggccc gaggggggcgc tcgagaggna aggnntggtn 60

tgccgng 67

<210> 3749
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 3749
gggggtagg aggaagagat ccagtcccag atacaggtga agaaatccct tccctggtct 60
tcatgctccc tgtacgccac tgtctcttag atataattat ccccaccctc tgctcatttg 120
tttcccagat tcaatacatt gtcaaagcct cttggtcctt ttttaacatc tcacacttgt 180
gtcattctct ccattcccat aaacctcaac aactgctcaa agtcctgctt gacccccttgt 240
tgccagtctt tgaaatcttt cttgcatatg actgcctcat taccttccta aaatctagtt 300
cactcgccta ctcaagaana cacaggggcc tactgtggtg tattagataa gttcacattt 360
cttctcttta ctaatctttt tacttccttt accancactt cccttatata aattccatca 420
ttctaattag aatctggttt cccctacaca ttccctgncn tctttcacnc ccana 475

<210> 3750
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 3750
aggcccaccg gggaaacact taggaaaant cccgnaaggc cccagcaggg accggaccgg 60
aagacccngg ccnacccacg ttttcnaacc atttaaaacc aaag 104

<210> 3751
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 3751
agctacnaaa aatannagcg gaacaagcaa agcnaggcat aaggtacaga ttccggctcg 60
aagacaccag acngaagcaa acagctgcgc atccaaacca aca 103

<210> 3752
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3752
ganttcccgg ttcgattcac gnttccgaca cgcggcagcc cncgggagag ctgggtcagg 60
nccggaaaag ccacacctga anctgaggct ggaagcccac gacntcctga tg 112

<210> 3753
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 3753
gngaccgtta cacttgccag cgccctagcg cccgctnctt tcgntntctt ccctttcttt 60
ctcgccacgt tcgccggctt tccccgnaag ctttaaaccg ggggctccct taangg 116

<210> 3754
<211> 144
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<400> 3754
tgactcttaa tgcctatggc aatatgannt tacttgaaga aacatgatac atctttaatg 60
naaacacagc gccacttcac acactanana atgtgggaga ccnaatatct gagttaggna 120
agaatttaaa aaaacacata aggg 144

<210> 3755
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<400> 3755
tgaccagngg nggcaactgt gangcccggg ccggtgagga ggaggagccg cagccnggag 60
agaaggtcag cgccggcggg agcgnctggg ccctccgcct ccgtcctcac gnggcccnac 120
cna 123

<210> 3756
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (589)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (631)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (639)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (644)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (651)
<223> n equals a,t,g, or c

<400> 3756
nggttcccct gcaggtcccg gtccggaatt cccgggtcga tccacgcgtt cgntnccaga 60
nctttgttgt gngtgcccct tgaggcgttc atncagcact gtttcagaga aatccctatt 120
tcaatctatt cctatacgtt agttattgaa aagcaataga caatcacaaa aaacaagttg 180

acctttttgt gttccttgag ccaaagggcc ctcatgactg ggcctcacac cgaataactc 240
gttacaaaaa gagctagggt cccagactgc gccaaaagct tcaggagact gctcctcgtc 300
tgtgcacana tgagtggcca actctggagc ccaggttgtt gcttcctagt ctggtggtga 360
atccttcata gtctgaggtg cttatttagc aaattcaacc ttaaacctga gtgcatggaa 420
actattgatg cagtgtccaa ggtggagaaa ggtcagagtg gatccagagg agccaagaga 480
agacgtccag catggtgacc tgggctcaag tcaaggtcct tatttctctg atttctggtc 540
agaaaacaca tcttcaggaa aatcacccct gactcaccca ggctaagtna caagcttttg 600
gtataaggtc tcatcacacc atatgcctct ntttaaaanc aggncctgca naaat 655

<210> 3757
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<400> 3757
aaaannnang gaaatccata atgaaacagc aaaaaagtac tccgctgctg ggtttggaca 60
atgaacatgg gattagtccc aagctngtag cttggaacgg tagcattttt gcctgcgtga 120
tccttgncag ctattcacag aaggaaatct tccgaaactc cgtctttcat ttagccggng 180
angctgttat ccttctntgc aattagcatt catgtgggtn tatcgctctn tccaactctg 240

<210> 3758
<211> 179
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<400> 3758
ccccagccag cctaagacta ngaatgtgga gcctgaagat cnaagatccn ancatgtaca 60
tngtatggaa atatgtgcat atttgtacat aaaatgatat tctgattgat aaataaacag 120
acaaaacttg aaaaaaanaa aaaatgcagn aatccnaagt aaatggnccg ctaactagn 179

<210> 3759
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 3759
gatattttcg cgcgcgcttt tgnaaagtag ctttggctac gtgggcgggc agatttttna 60
aagttccatt ngcactgcag cgctgtttgc gtcctaaatg cgatattgta atgtttaata 120
tccagctatt atgtagcttt atctttttca gcttctaata ttttgttgct gtttaatttt 180
tttggcatgc cttttagtcg agttgtatat acgaagtcac agtaagaaag ccaattctaa 240
gactcctaag gaatattatc ggttaaatta cagaaggcaa atcccctctt tangatggga 300
gaatggactt gaagggagga atgtggcaag ggtccctcag aagtgaggga gcccgctgtt 360
cctccttcag gcatttgcgg atggcactgg tgatcacaaa aaagcggaga ttacgctgcc 420
gggcgctcct gtggnagagg gactggaaca ctgncccatg ntgagtgaan aatgccatca 480
actttaccag gtgccccgta ncctaaagcc acgtccccac t 521

<210> 3760
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 3760
ggacgacacg tagntgacaa nnagggaccc agaccccgcc gggaccngaa ctccnggttt 60
cgacccgnng cgctataccc gnttggantc aaaccccaa 99

<210> 3761
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<400> 3761
cgaaccgggc catcgngcct gatagacggg ggntcgcccn atgacgttgg agnccacgnt 60
cttaatagtg gactcttgat ccaaactgga acaacactca accctatctc ggactatncn 120
tttgatntat aagggattct gccgatttcg gcctattggn taaaaaatga gctganttaa 180
caaaaatnta acgcgaattn taacaaaata ttaacgctta caatttaggt ggcacttnnc 240
ggggaaaagg tgcaccgaac cccnnatttg gngatanntc taaatacatn caaaaatgta 300
tcccgctcat ggagacaata accctgataa atgctncaat atattgaaaa aggaagagna 360
tgagcattca acactnccgg gcgccnta 388

<210> 3762
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<400> 3762
acnnctgcag gaccggccgg aattcccggg tcgacccatg cgtccgggca tntttaaaca 60
agacaaataa aaacgttaag ngggaacaan tcacagagag ccacaaagcg gatttnacac 120
angccnagca naccanaact ctcggnagtg gctacaaggg aanaaaggac tatgtggatc 180
cctgggggct atgcaaatac ctacctcaca agagttgttg taanaagact ggnggtttgg 240
gnncaaacct tgngattaaa gagtttgcaa cgcatt 276

<210> 3763
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<400> 3763
tgagcangan ttaccaacgt aataccaacg ggctaganat nggtaacanc cctcaaaccc 60
tacgagcttc tgtaggctat ctgcataatg tgcccattgt aggaaaagat tggttncagc 120
agacaccgta agccatatag tactgtggtg cttagcaaga aggctttact tatctgtgga 180
tgttntcttc aaaagcagct tcaggtttnt agttggttca catgtccttt caggtctatt 240
aacctgatag gtcnggctga ggcgggggca attnttatcc aggtataatg tacccacggt 300
ttaactcctg cccaatngat gaatgcntgg tcagaaggac ctcatagngg tcttaccctt 360
tgaggggctn gttngtgatt ca 382

<210> 3764
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<400> 3764
gtgtntctgc ctantaccag tattagtgag acngnggatt ttatcagagt tnaatgaaag 60
aaagcttacc cctgccctca ctttgtgttt tttatttttc ccccttctc aagcaccacg 120
tatttggacc tgagaagtgg catagctgct aagttgactt ttaataaaaa actgnttgtg 180
cctgagggaa atatatgcct ttttaaaaag tacctcagaa catgttccta gatcgtctca 240
tcggttttgt ttggtgggga ctgggaagtt cagcaggaag tattgnctgt gtgtgatgac 300
ngngcagtat tgccagtcgg caatgntgta ttttgcattc ttttatccct aactctgaat 360
ctaggactcc atgaaaagcc ngngtcaccc caaaacattc ttccaataca n 411

<210> 3765
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<400> 3765
ggannacagc cagagcgaag acgccnagac tgcagaggaa acggaggctg agcggngagc 60
accaaggctg gcncttccag caccagccgc agcatcaggg ggcccgccca aancaaggca 120
ng 122

<210> 3766
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<400> 3766
gctttactgg atcacattng ntacagaaac ccaaactcat tatgatgata atttgaccct 60
tttagaagaa ncctgngata atttacatgc canccataat ngaatctcng gtacatggca 120
catgcattcc agtatggaac actntctagc cctaccccta tcctttaagg ctcaggggac 180
agntactatc actgtgaagc ctntcccgta acactctggt tangnnncaa tattgccacn 240
naaantggat gtctaggttg tgggggttcg ggggtcaatg cctcgttcca ctccagatat 300
tcnggcactt tnccatcatc cttcatagnc tccacataat ngggcagtca ataatgn 357

<210> 3767
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

3400

<400> 3767
gggtaaaatn ccccgggtgn acttattagn gtggaaaaaa ggcnttgggg tacccccttg 60
gcaggggtaa ccccggggtc cccgggaatt ttccccgggg gttcgnaccc cnacgncggt 120
ccggcattta tttcannaat gattggaaaa gg 152

<210> 3768
<211> 134
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<400> 3768

aaacnggcca ccgcnnggcg cagcctgaat ggcgaatggc tgctttgcct ggtttccggc 60
atttttaaac cnggggcgga aaggggggct ggaggggnag atttttaaaa acgncgatnc 120
ccnggggccc aaaa 134

<210> 3769
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 3769
ccncctccng taaaggnccc gggcccgggc ccaaaggncc ncccgggccc ggggggccca 60
aagggggggc ccccaagggg ggttttctaa ggggaaaggc ccaaagggnc ctctccaaac 120
cnccaaattg ggngggggna aattgggngc gcggaaagg 159

<210> 3770
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (487)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<400> 3770
gtattttagc actaatttaa actgtttggt aatccctcta gacatctaat ctgtggcccc 60
agtgagtgca tgtgcaatgt tttgtagcgg tcatttttt ttaagtatta acacaatcat 120
acttcctctt taaaaggagt aaaatgtgtt agaatggcta ctgctgctgt tagaatctgt 180
gaaaaaggga aagtcacctt tcacctaggg ggtcctgtgt gtttcttgga agagaggggc 240
ctagagtaag tacatgcccc ttctccaggg tgctttcaca tgtgtttgaa tccatccctt 300
gtcacttgtg atccaggctc aggtaataca aggtttcgtg gtatgccatc ccatgaccaa 360
aacttgtatt gctagaggcc acgaccagta ctgaaacact caagaatata cccagttcaa 420

tgctcagatt aacttttgat actggcatgg gcataagcat ctggtcctac ctctcctgcg 480
tcacctntca gctgtatcat agccactgcc aagaagtgct ccngtaacca cncttagctt 540
aaggagccna cnt 553

<210> 3771
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 3771
gcccagtcnn gctaattcca gaaacttgtg gttttttcat agggctgtgc tgncantgac 60
tagcatggng caatga 76

<210> 3772
<211> 60
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)

<223> n equals a,t,g, or c

<400> 3772
gctcacanat tattaagtat acctgaatct tggtttcttt ttataactga gnaataatgg 60

<210> 3773
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 3773
gccgcctggg ccgccgcctc ttgtcagccg ccgccaccca ggccgtgcct cagaagaact 60
cataagaatc atgcaagctt cctccctcag ccattgatgg aaagttcagc aagatcagca 120
acaaaaccaa gaaaaatgat ccttgcgtgc tgaatatctg aaaagagaaa tttttcctac 180
aaaatctctt gggtcaagaa agttctagaa tttgaattga taaacatggt gggttggctg 240
agggtaagag tatatgagga acctttaaa cgacaacaat actgctagct ttcaggatga 300
tttttaaaaa atagattcaa atgtgttatc ctctctctga aacgcttcct ataactcgag 360
tttatagggg aagaaaaagc tattgnttac aattatatca ccattaaggc aactgctaca 420
ccctgctttg tattctgggc taagattcat taaaaactan ctgctcttaa cttgaaaaaa 480

<210> 3774
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<400> 3774
gaaccccnga ggagggngag gagcaatata tgnacaatac ataatggcng ggcgaagaat 60
ataaatgaga tactatacat tagaaattna caagcattgg 100

<210> 3775
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<400> 3775
atggntaatg ggacagacgg ataattaccc gaattaacaa ccacactgct tngaatncta 60
cncacagatg cacccagtac actaagtgat gngggtaatg ctaactacat ttaattggng 120

ataaaatcc 129

<210> 3776
<211> 124
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<400> 3776
cncccagcgc cggtcagtnc tagatgacca cctatggaga gtactccnnt aacagccatg 60
accctcacta cgggaggcag actcacngat tgtgggaaac actnatgggc ngatgtaaga 120
aata 124

<210> 3777
<211> 77
<212> DNA
<213> Homo sapiens

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<400> 3777
ggtcttggca gtgcanatgc caaaactgag tggttggatg ccaaacacca catncttgct 60
cattctacnt ttnatna 77

<210> 3778
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<400> 3778
gcccacgcgt ccggtgcgct cgcggttctc tcgcggaggt cggcggtggc gggagcgggc 60
tccggagagc ctgagagcac ggtggggcgg ggcgggagaa agtggccgcc cggaggacgt 120
tggcgtttac gtgtggaaga gcggaagagt tttgcttttc gtgcgcgcct tcgaaaactg 180
cctgccgctg tctgaggagt ccacccgaaa cctcccctcc tccgccggca gccccgcgct 240
gagctcgccg acccaagcca gcgtgggcga ggtgggaagt gcgcccgacc cgcgcctgga 300
gctgctcccc cgantgccca tggntacaaa ggntgctnag catgagccgc ccgcctggga 360
ccccgttgcc ccaattcngc cgg 383

<210> 3779
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 3779
gaagaaattg ataaagtaaa agcttcgtta tacatttctt tttgggaggn gncatcgnct 60
aanntgc 67

<210> 3780
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<400> 3780
taacccggca ncccttngca aacctttaan ttaaggggg ggggtaaaaa aaagggccct 60
ttgggggttt aaaccgggcc cccnttgggc ccaaaggggg tttaancctc cgggggtttc 120
cccccgggggg naaaaatttt ttccccccgg ggggggggttt cccggaaacn ccccaaaccg 180
tcngnttttt c 191

<210> 3781
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<400> 3781
ggactanttc tagatcnnga gcggccgncc tttttgggtg tccgttncac gta 53

<210> 3782
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<400> 3782
ggaacancct gaaggactgc ggcctcttct gaggggcagc ggggcctggc gggatgggcc 60
accgccgact ttgtaccccc caacccctga ggaagatggg ggcaagaaga tcacgctccc 120
cgcctgttcc cccgccgctt ttctcctctt tcctctcttt gttctcagct ccccctgtcc 180
cctcagctcc agacgtaggg gaggggttgc cacaggcctc cctgtttgaa gcctgccctt 240
gtctgaaatg ctggtaatgg ccatggtacc cccttctggg catntgntct ggtttttaac 300
cattgcttgt tctgtgatga ggggaggggg gcacatgctg antctcccaa ggctgnntct 360
ggaggggccc ctgtt 375

<210> 3783
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<400> 3783
gcggactngt gggggcngtt tgatcactga tcgagtaagg aatgaccttt aattgggcga 60
attttggttt tggtttttta aaatttttth aacccagaat gatttctcct gcttccttct 120
nctnaccatc ttcccagacg gagttcaaag gccacttctn aagcagcttt tggcaccttt 180
agcctcanaa gtggaatctt ttaaagacag gacccctatg ttcaggaaan gggaaaangg 240
acttttgcaa tgatagngac cncag 265

<210> 3784
<211> 505
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 3784
gtgatattat actctatcct gggccagaga agataatgtt ctttaatgtt gtccaggaaa 60
ccctggcttg cttgccgagc ctaatgaaag ggaaagtcag ctttcagagc cagtgaagga 120
gccacgtgaa tggccctaga actgtgccta gttcctgtgg ccaggaggtt ggtgactgaa 180
acattcacac agggctcttt gatggaccca cgaacgctct tagctttctc agggggtcag 240
cagagttatt gaatcttaat ttttttaat gtcaagtttt gtataaataa taaagaactc 300
cttatttttgt attacatcta atgcttcaag tgttgctctt ggaaagctga tgatgtctct 360
tgtagaagat ggactctgaa aaacattcca ggaaaccatg gcagcatgga nagcctctta 420
ntgattgtgt ctgcattggt attgtggaag atttaccttt tctggtgtcn taaagcttaa 480
attgnttttg ntgggacttt ttacc 505

<210> 3785
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<400> 3785
gcgtggttta gacctgctgt gtggcagaca atgggaagcc tgtgtgtcgt cctgggtgcc 60
ggatttagac aatatttagc tttcccttgg tggaaaagcc tttcccctcc tgctttgggc 120
aggaactggt tcctgttggg cggggcctgg ctgctgcccc acccccaccc ggcgggcacc 180
ttgaccggna gctctccnga ctgntccctg cctgngcccc tganca 226

<210> 3786
<211> 177
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)

<223> n equals a,t,g, or c

<400> 3786
agaaattcat gcatctattt ataatacctt ttgatacatg tgaaaattaa gaagtttgtt 60
tcagtacttt agaaatacaa tgagggaata tccgatctag cctggtccag gaaaagggaa 120
gaagactgag gcagcaggaa aggctatcag gaagtaaacc ctccgggggnc ntggnnn 177

<210> 3787
<211> 50
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<400> 3787
gactaagttt tagatcgtna gcggccgccc ttttttttng nttttatnga 50

<210> 3788
<211> 177
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<400> 3788
ggaagtntta tgttttatga ttgagcatta gtgtcatnct acaatcagcc actccncaaa 60
ngttgcatca ctgaaactcc aggtttcaca gagaatttcc taaggnatta ggtttgagtt 120
ncttccttcg tgggatgcta tggattcttt aaccaaacca gcctaatntt tcnnctg 177

<210> 3789
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<400> 3789
gcagggnntt tccccagttt ctgacttgaa gtagactgng aagaatccac gaggtgctat 60
ccggccagan ttaagnanat tctatttcct tggttctccc tctccctgag gacctcttat 120

tttattgncc cctcttctag gtnaantctc ctttgatttg actttgttga gaaggaggtn 180
ggacagtaga ttagcn 196

<210> 3790
<211> 197
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<400> 3790
gaaaggtttn aagtggtatg cagtgntttt atgtcctnca taactgattt aaattagtag 60
gactattttn atcttncaac ttttaatttn cttataaaag tcaagtaaat acaangattg 120
ttattagctg aatagcagat gagatctcag natttaaaag aacagatnnn ttcttataaa 180
ctcgcttttg attttaa 197

<210> 3791
<211> 161
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<400> 3791
ggagattttg gatggcaacg atgagaagta caaggctgtg ctattacttt ttgagctttg 60
caagttgtgt acataataat tctaaagaag ttactttgtt tgcaatgcat caaattnaaa 120

tgatgngatt ttttttgtan tatntgatcn tagtgacagt g 161

<210> 3792
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 3792
gctgtgttnc agaccgtgtc tgacttagtg naacctaggn gattttatan n 51

<210> 3793
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<400> 3793
gggnctttgt gataccacaa atcccaagcc ttcccttgcc tgaccaatac ccatcaaggt 60
ctgtgatttg acttggtgca tattggtang nccagggnag gcttnngatg 110

<210> 3794
<211> 88
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)

<223> n equals a,t,g, or c

<400> 3794
ggggntttgt tgctgtcctg gctgtcctaa ccaggggtg ggcattcgga actnngggcc 60
ntantgggaa ggggaacgaa gaaaaacc 88

<210> 3795
<211> 82
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3795
gcaacttcat tctcaaagag tagcaagttg tcatgagggg ccntnaatga caacttcata 60
ctnaaanaga ancaagcgtg ga 82

<210> 3796
<211> 179
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<400> 3796
gntggtatgt gctatnaaan atatcaatan tgcgtcatgc caagatcaca cagcatggag 60
acacatgttc acgcagataa cacagncacc gcgtccctac cctggcgcat atgccatggt 120
cgatcttggc aanaggggaa cattctgngc gantttccct ttggccgtca attggtctn 179

<210> 3797
<211> 95
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 3797
tttttttng ggggggggt ttaaaaaaaa aanaaggntt aancccccc gggggaaaac 60
ccttttnaaa aaaaccagtt ggaaaggttt atttt 95

<210> 3798
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<400> 3798
gncctctgga cccactcnnn ccttcctgcc ctgtttgcgc agggacatca cccacatgcc 60
ccagctctcg gaccctgcan ctctgtgtcc caggccacag caaaggtctg ttgaacccct 120
ccctccattc ccagttatct gggtcctctg gattcttctg nttcttgaat naggctctgc 180
tttaccccta gcnactacag gnaagcctct gacagtggcc gctttacttg cattctgcan 240

<210> 3799
<211> 89
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<400> 3799
ntcntttntn cgtccggtac atactggnct ctgggagtac attgaacaag ccattaaaat 60
taaacaagcc ttaaaaaaaa aaaaaaaaa 89

<210> 3800
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<400> 3800
gagctgagga acgaaagaaa cttcgacaag anaatggaaa tgtacatgct atagcntaac 60
tgaanataaa attacaggat atcacattgg antcactgcc aagtcatanc cntaaatgat 120
gagtcggtcc tntttccant ggatcataag acaatggacc ctttttgtta tgatggnttt 180
aaactttcaa ttgtcacttt ttatgctatt tctgnatata aaggtgcacg aacgtcnnaa 240
gtattttntc 250

<210> 3801
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<400> 3801
ggagccacaa tntgcactgg ggtntcaaag angactacnt ntggaaattt ttta 54

<210> 3802
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)

<223> n equals a,t,g, or c

<400> 3802
ggacgcgtgg gcggaggcac nggagagnnc angacgaccc cagcagctgc caggaaaggc 60
cacagtcctg gctgggggct gtggggctgg gccaaggcca ctgaaatctg gtagacaagg 120
aaaggagagc tggggacggg ggagcccaga acacaaggct gacagcacaa agagaaagcc 180
ctctgtcccc aacaaaccta gaaatcaaca tccccaagct cgcatggccc aaacacacta 240
agaaatacga ctcagaaaat caacagggcc agtggaccca tggatccatc tcagggagac 300

<210> 3803
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 3803
gccgacgcgn gggaaaaaaa ggggngaaat aaaaaacacc agaggagaaa aaagangaaa 60
nagaaaaaat aaaagcatat ccctatatgg aaggcgaacc tgaggatgan gnctat 116

<210> 3804
<211> 125
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3804
ccnaatcaaa agattggact tcnagcacaa tgagacacgg ccaacgggtt catggaaaag 60
ggctanggag cccnnaggtg cgcatgatgc tgagactgaa agggcctttt ggtactgaaa 120
ggcnn 125

<210> 3805
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<400> 3805
aggctgtaac tactttataa cnaacatgnc ctgcnaaaat ctgacagctg caaggtactc 60
tggagagtca ccacnttaag ggcatttacn ccgaaacaga nnatggaggc atagnactgg 120
ggagggaagt tttgaaatgg gctcaacaga aa 152

<210> 3806
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<400> 3806
gaaggcctgt atggcccttc ctcccctctcc aaacccacta tgagacacca cacttcagcc 60
accaccagct tctccactcc tataacccat gtgccctttc aagcctcggg gcctttgcag 120
ttgctatagt ctctatctgg aatgcccttc ccccagttct tcccatggct gactcctttg 180
aatctttctg gtgttggcta aactgtcacc tcttcctgga acccttttct gaccatcctt 240
ccatgtanat tagctcagtt attctcacct tgtgtgtctt tttccttgca gtttagnact 300
cattaccatc tggacatatt ttacgccttg ctctcccact gtgaggacag ggaccntgnc 360
tttcttgctc gagactgtnt ttcccancat ctattgcagn gcctggtatg cagt 414

<210> 3807
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<400> 3807
gggttanttg taaaaaccac gttaatgttt ctgagctttt ataaaacata tcaaccaatg 60
tgtagacctg caaaagttga aataggtgta taatagactt tttattagtt tggtattgta 120
atagatcact catttgtatg tattntgcat tctantcata tgattataag taattttgtt 180
tataagttta taagtaattt tgtacaagta aatttaaact ttaacaccat gttaaaattt 240
cagaagccag aaaagaggga gatgcagtct tatatttaac aacttaaaac agtttaaatc 300
ccatgtagtt atagactgan ataaaacaaa gnatttctct tggcagtaga atccctgtgt 360
tctgtgngtg tggaacatat gttcnagagg gcngggacta tgtcttg 407

<210> 3808
<211> 73
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 3808
gctagaatat tactgtggat cccntaaaga nngactaatt ggctctgnat taatggagac 60
ttcccactgg cng 73

<210> 3809
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<400> 3809
ttnntagaga gctcctttgg aagactncta tagggaannc tggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cggttcttta taaagtaaaa gtatacgaaa 120
ctgacaataa tattgtggtt tataaaggag aatagctatt ggggttagca ttgcacaaag 180
cccagtttct ttctgtgntt gaaaaagatt ttgatcccct tggaatatta agaggtcaac 240
acgtgattgt tgtacgtaca cattgtgctc tggagtgcct atttattgaa atcattgtaa 300
gacctgttat aaattttaag tntatttaaa actaaactng taatatacat cctgaaaatc 360
attttataga gtcttttatt tagtaangta aaaaaatcaa ttnant 406

<210> 3810
<211> 220
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (192)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 3810
ggttggaata tggcataagc cggactatct gggaatgtgg gggaggggag gctgtgctgg 60
ctcctcttgc agctgtcatc caccaggcac ccccttgct ccccgaacag ctgctaaggg 120
ttaggggaac tgattggaga aggagcagga atgttgtatg tgtggagggg gtggggtggg 180
gggtgacaga tnaactgggt ggaaanctgc cnnncttgca 220

<210> 3811
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<400> 3811
nttgtagaga ccccatttgg aanaccnctn actataggga aagctggtac gcctgcaggt 60
accggaccgg aatnnccggg tcgacccacg cgttcgaaca agggcaagga gacctncctt 120
tgagctn 127

<210> 3812
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<400> 3812
aaacccctna ctataggnta agctggtacg cctgcaggta ccggtccgga attcccgggt 60
cgaccccaaa aaacttgatt agggtgatgg ttcacgtagt gggccatcgc cctgatagac 120
ggtttttcgc cctttgacgt tggagnccac gttcttaata gtggactctt gttccaaact 180
ggancaacac tcaaccctat ctcggtctat tcttttgatt tataagggat tttgccgatt 240
ttggcctatn ggntaaaaaa tganctnatt taacaanaat ttaaacgcga attttaaca 299

<210> 3813
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<400> 3813
ganacccctn ctatagggna agctggtacg cctgcaggta ccggtccgga attcccgggt 60
cgacccacgc gtccgatttc atattaaatg ttatataaca caagagagag aaagtataag 120
tagaaagagt gcctancacc ctaagaaatt taaattaaaa tgctaattat ccattggtga 180
gtgcagtctc gaggataggt gagtaaactg ctctgtgttg aagtcacact gctgacctgg 240
ntattgtaat aaatcacctc tttggttaat ttaaanaatt ntnnt 285

<210> 3814
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3814
tacagaggat cagtggtgna ggacgcacac ctggactggg cagcagcgag ngagaaggat 60
cgangatngg agcagtgtga aaaggatgaa ngaaagattt ggggata 107

<210> 3815
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<400> 3815
tatntgaccc ntttggaatg ccggtacgcc tgctgtaccg gtccggaatt cccgggtcga 60
cccacgcgtc cgctgangca tattgtgcac aaaattgggc ncatnacgnt gactgtnacc 120
atg 123

<210> 3816
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<400> 3816
gnctgaatga tggnagntta agtctgagtt ttactgngag ttaaaaccct ctgaatttcc 60
agatgataat tccattttta atccatttgg aatgctgaaa gctacaaaaa tgnatttcct 120
gtcngtaaac atttgttgct ttatttttngt gtttaattaa nagtttattt ttccccttta 180
aatctttgaa ggaaagaagg atttttttgct tttttgttng ttttngtcag aatagttcat 240
ggtaaacttt gcaattacag atgatagttg aaaaaaaacc ccagngacgc antcgtagcc 300
gcaggcgtng nttcangggt caggcanaag atagacagcc aggtaacttg agtggacctg 360
nggacaccat cagggtcaca agcatgaaaa aaatgctatg ctgctttctn aatanattat 420
acttacatgt acacatgngc catatcattc aaaaattgca ntgcataaaa tggttantca 480
cctaataaga ctctctatta ataaaa 506

<210> 3817
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<400> 3817
gtgggaaacg ctattntctn agggacgntt tcccgtttat atgacaagag cacaggggcn 60
tggccggaaa aaccaattan taggaccacc tttcttccct tggattggac ttccgacang 120
ggtccttcaa ttnggataan ggccaaggtt cn 152

<210> 3818
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<400> 3818
ccggngcgac ccacgcgcgn ggacctatan aggaattgtg agtaagagaa taaaaggtgt 60
ntcaggggaa ctctaacttt cgggacccac atgcacngca gnncatacct cccatngtgg 120
ccagatatgt cgcggattgt nccncagaca tggcaccaaa ggatagcctt gaaggaggag 180
ctcattggat gccagattca caaggtaatg attcattgng agtggtgcan cganaagtca 240
gagcaccagt tc 252

<210> 3819
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<400> 3819
ctntggaacg cctactatag ggaaagcngg aacgcctgca ggtaccggtc cggaattccc 60
gggtcgaccc acgcgtccgc ccacgcgtcc gaattcacat aatgccaaat acacaatgtg 120
aattnggcga nnnan 135

<210> 3820
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<400> 3820
gatttctctg gatanatctt tatatgctag tcattggtga ttttgatgag tcaatttaca 60
gactgtaatc ttctaaaaat tctgaaagac taattgtttt ctgtgccata taaatgcata 120
ccactgagca aatgaacctt attctcagca ggaacaacta gcatacatgt tctgaattct 180
aacagtgcta aattacattc aagtccagga agatcacctg gaattaatgg catttcagtt 240
ggcnggcatc attcccaccc ctcggtctta ggaaaaggag gtagaagccc ccagaaccac 300
acggcagaga tcancaagtt ttgtctcaag tcagacaagg tctangtggc cttggnctta 360
tgcaaantgg gtgacatatn ggantatatt tccctttacc tccatagagt tcag 414

<210> 3821
<211> 147
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<400> 3821
gtataagcct ttattccaag aggtatttat gctaatatgt gccataaaaa agtagagttt 60
taatatttga caaaatgtnt gtgcaaagaa acaaatgcat aaacacatta ctgctacatt 120
aaggcatttt gnaanctgga canctan 147

<210> 3822
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 3822
gggattgaga gacacacaca gctggtcaag tagacgtnta cnggnnacca tttgaatatt 60
tnatccatga atcatg 76

<210> 3823
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<400> 3823
gacctcatct gcctggggcc tnacctgctg gagtcctttg tggccaaccc tctctcttac 60
ctgggacctc acacgctggg cttcacggct gccaggagcc tctcccctcc agaagacttg 120
cctgctaggg acctcgcctg ctggggacct cgcctgttgg ggacctcacc tgctggggac 180
ctcacctgct ggggaccttg gctgctggag gctgcaccta ctgaggatgt cggcggtcgg 240
ggactttacc tgctgggacc tgctcccaga gaccttgcca cactgaatct cacctgctgg 300
ggacctcacc ctggagggcc tgggcctggg gaactggctt actttggggc cccaacccgg 360
gagtgatggn tctggcttga antggtttgt gaagttggta gccnctgtta aagggtgcan 420
aanagatcat tacggta 437

<210> 3824
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<400> 3824
cncgggatta angggggaat ctaatggaag ccttctggna cncttgcngg taccggtccg 60
gaattcccgg gtcgacccac gcgtccgcaa cagaaagatg gggctgtccc anccgtaagt 120
caggctcgag ggagactgat cccctgacca attcacctga taaactctag ggacactggc 180
agctgtggaa atgaatgagg cacagccgta gagctgtggc taagggcaag ccccttcctg 240
ccccacccca ttccttatat tcagcaagca acaaggcaat agaaaagcca gggttgtctt 300
tatattcttt atccccaaat aatanggggt ggngngaggg gcnng 345

<210> 3825
<211> 439
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<400> 3825
ttaacggggn aaatttcnta ggccattctg gtacncttgc nggtaccggt ccggaattcc 60

cgggtcgacc cacgcgtccg cggacgcgtg ggcgnacgcg tgggctgagg ccagcatgag 120
ctctccacag gggacttgtt tggggcagac atctgtagtg gctcttgagc cactgggggc 180
cctgggattg gggcatgggc agtagctgat tccccttcac cccatcctct ctggcattgg 240
caggtcagtg cacaatgaac tggagaagcg caggtgagtc ccagtcctgc cctgacagcg 300
ccagccccca ggggccactg ccctctggcc ttcccctccc tgccattcct gtggccggca 360
aggtggggct ggcactgcct ccagacctct tcccacagga aggcccaant naaacnggng 420
ctggaagcgg ttgaagcan 439

<210> 3826
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)

<223> n equals a,t,g, or c

<400> 3826
cgggacttna anggggtan actaatggga aagctcatta tagggaatnc tggnacgcct 60
gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgactagnag nagatngcga 120
gcggtcg 127

<210> 3827
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<400> 3827
tntaacgggg ggaangctat tgggaaggcc attctggnac ncttgccggt accggnccgg 60
aattcccggg tcgacccacg cgtccgagaa aaaggaagag ggttgggcac cgtcgtgaaa 120
tggtacactt cctcaccgcg gtgcttatct acataattgt gtttttataa catttccttt 180
acttttctgt aagctgatgc tgccctaatt atagattntt aagagaacac ttcattgtac 240
cccaaattat acagtgcttt aaaaaggtac tttcttaccg gnttaccaaa taccttataa 300
attcgaatta cataaaacaa ttcgagatac anaatanaaa cagcctgtac tgntaacagg 360
ng 362

<210> 3828
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<400> 3828
gaaaaaattt atttgcattt atgcctttag gataattttg tatctttcta atctgtttta 60
tcattgctac aggtttttaa aaaagaacct ttcactagct agcacatgcc agaggttcac 120
atctgnnttg nttntcaaac aggtcgtagc tgtattnatt ggccatgcaa gtagaggaaa 180
tgcacagtac aaatgttttn ctttancacg taagggacct atccttgnnt tgaaaagtg 239

<210> 3829
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 3829
gcttgnataa agnattggnt tgganttgga aaattaaaaa aaggtttcan tttaac 56

<210> 3830
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (555)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<400> 3830
cattttggag gcagtgggtc aaacaggnaa agccaatgna tgngtgncat tttaaagtgt 60
cggaattaan cctctgaata ccttctccat tgggggaaag atattcttgg aaccactcat 120
gacatatctt agaaggtcat tgacaatgta taaactaatt gttggtttga tatttatgta 180
aatatcagtt taccatgctt taattttgca cattcgtact atagggagcc tattggntct 240
ctattagtct tgtgggtttt ctgtttgaaa aggagtcatg gcatctgttt acatttacct 300
tatcaaacct agaatgtgta tatttataaa tgtatgtctt cattgctagg nactaatttg 360
cagatgtctt tacatatttc aatacagaaa ctataacatt caatagtgtg ctgtcaaagt 420
gtgcttaact cacctggata tacctacatt ggtaaatgct aaacagtaat cattaaaaca 480
tttttgatta aaaaaaaaaa aaaaaagggc gggccgnttt aaaaggatcc aagctttacg 540
taccccntgc atgcnacngn cata 564

<210> 3831
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (558)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (597)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (614)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (628)
<223> n equals a,t,g, or c

<400> 3831
ggggaccaaa gaggccatag tgcccatgga ggtttggact taagagatat tcattggcag 60
ctcaaagact tccaccctgg agaccacact gcacacagtg acttcctggg gatgtcatag 120
ccaaagccag gcctgacgca ttctcgtatc caacccaagg acctttgga atgactgggg 180
agggctgcag tcacattgat gtaaggactg taaacatcag caagacttta taattccttc 240
tgcctaactt gtaaaaaggg ggctgcattc ttgttggtag catgtactct gttgagtaaa 300
acacatattc aaattccgta taccaaaatc catttccttt gtaacaagaa tttaccagta 360
actgtgatct aggttgccaa aagttgtctg aatctcctta ttcttctctg atcttcattt 420
atgcagccaa tgtctagctg gacctgccct catcttgcag ntcatacagg cactgtttga 480
gagattggtt attattagat gttgtaatgc tgcttcaaga ttcttcatgg ttacatggga 540
tgcccctgct catctggncc tgaaagtant aacattcacc ccaatgaggg atatagncat 600
taattccttt ttcnagttac ttgtaccnaa acaccgg 637

<210> 3832
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (481)
<223> n equals a,t,g, or c

<400> 3832
ggcccctgcc cgtaccggtc cggaattccc gggtcgaccc acgcgtccgg aataatttat 60
aatggttatt tattggaggt ggtaattagg gaagatgtnc ttttaaacag tagaattgtg 120
ttacaaaggg gtgaaagaga gggaatagtt gctccttgtt gaagggcatg tgaaggtagg 180
tttcaggttt ggttttacaa acctgttaac tacctcctgt ccagcttgac aganactaat 240
ttttcatctt tttgctgtca atnngttcnc agaaaagaga cttttccctc tcttgatagg 300
atctgtctta gggacanagg gaccatcgtc tttaagtgaa ttaattattg atggttcana 360
atggttttca tcatnttggg atcagctata tggcaaatag gtatcatcaa tgagntaacc 420
atctaaaaat anaanaagtg gaagccctaa aatgctagga ataataatan aaaggccaaa 480
nataaccc 488

<210> 3833
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 3833
nnaattcaca ctgaaacgnc ctactatagg gattagnggg aacgcccgca ggtaccggtc 60
cggaattccc gggtcgaccc acgcgtccga ttacattntc tcccctgata atctcttcta 120
aattaccttc tgtagttggt tntcttcccc tccttaatgt tagccattct tcaggtgaag 180
gttaatcctc aatgnactct tcatgtttaa ggggagggtc taaaaccttg ggggtaggac 240
ttaccaacgg agtttcattg catgatgatc ttattgagct tattggtagc ccttatntca 300
gnatntaaag ntnntcttgg gctggtcaga tnttcaagag aagacttttc atttcntttg 360
nggagggaaa aggcctttta ccagcactct tcaagctcag nangggaaag acttcaagca 420
ctcaggaagc angcat 436

<210> 3834
<211> 115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 3834
gcctagtnat agggcagtga ggaatcaggn ctactatgga aanagtcaca taacggtctc 60
ttcaaactct tacatgccnt nacctaagat gatcaccact cactgcgant gtctc 115

<210> 3835
<211> 69
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<400> 3835
tttaaggggt gggaaccccg gcccccggga caggngacac gcggggccgc ggaaatattc 60
tccgggggg 69

<210> 3836
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (62)
<223> n equals a,t,g, or c

<400> 3836
gcctttaaaa acagaacctt ttatacaggt ggattttcat tcctctgggg acagnggnng 60
nnaaga 66

<210> 3837
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 3837
gagcncaatg aagatcaaga tcattgctgg gtgcgtgntg cattggngnc nt 52

<210> 3838
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<400> 3838
ggtttttttct tattgctgtg gaacctcttt tggaggacgt taaaggcgtg ttttacttgt 60
ttttttaaga gtgtgtgatg tgtgttttgt agatttcttg acagtgctgt aatacagacg 120
gcaatgcaat agcctattta aagacactac gtgatctgat tgagatgtac atagtttttt 180
tttttaccat aactgaatta ttttatctct tatgttaaca tgagaaatgt atgccaaatg 240
attagttgat gtatgttttt taatttaata tttaaataaa atatttggaa ggaaaaaaaa 300
aaaananann aaan 314

<210> 3839
<211> 181
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<400> 3839
tcaactncta ctaggggggg gaaaaaaggc tntgggttta ccggcnctnt ggccaagggn 60
ttacccgggg tttccccggg gaaaattttt ccccccgggg gnttccggaa cncccaacgg 120
gccgnttccc cggggttggt tggaaacntt aaaggtttta tttttggctt tggccattan 180
a 181

<210> 3840
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<400> 3840
gcggactaag acaacaagga tgaagtgaag catcctggat atcctctgcc tgtaatccgg 60
tctgatgtgc ggcacttcat gtccgagctt atccatttgg ttttggtctt tggaaaagac 120
aacgttagtc acttactagt ggcagttgca tggagaagag ggctcactaa tgggggacag 180
ggtgatcatt tggagtttgc aagctgtgaa gacagatgtt ggctcttcac aattttggaa 240
gggttcacta gttaagtgta ggaccttatg ggggatggaa ataaggcaga ggcatagttc 300
tggccactga gttccttaag gtctgctgaa ggctgccgat gcgtctctca ctccctcgta 360
tgctctggag canaccaggg gctggaggaa tganggaaga tcctttcatt aaccaccatn 420
tgntgacatt tttctttgtg aaaacatttn tattatat 458

<210> 3841
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<400> 3841
gcagtggtgc agttctcggc ctctcggcct ggcttcctga ccttctggga ccagtgcaca 60
gagagactca gctgcttcct ctgcccggtg gagcgggtgc ttctcacctt ctgcaaccag 120
tatggtgccc gcctctccct gcgccagcca ggcttggctg aggctggtga gtgggctgct 180
tcctccttcc acccttgctc agattcccag tgacaggaag ctcggggaag ccaggtcagc 240
ccacacagat aaacgaactg ggcaccgagg agaccagcaa agacttgggc cttagagcag 300
aaggacccag atgggtgggg tttgaacagg gggcccctgg acctgagcct gggataggag 360
catctctccc ctctaaaagc tgtgttcacc caaactctga ggcccatgct actgcctcct 420
gcagtgtgtg tgaagttcct ggaggatgcc ctggggcana actgnccaga aggccccaan 480
caagggcctg ganagcan 498

<210> 3842
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3842
gaacactgca atgctataca tctatgctgt gttgcttgtt aaatcnaggc actgcagtat 60
tangcatgca catgattntt tctgagaatg angaanct 98

<210> 3843

<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<400> 3843
gcggacgcgt gggtggcact gaggagctat ggggccacaa ncagtantna ctggctnntt 60
tcc 63

<210> 3844
<211> 65
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<400> 3844
gacggacnca taggacctnt aatctttcat cacagntcga naggcccacc tgtaccgtgn 60
tattt 65

<210> 3845
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<400> 3845
gaaaaaaaac antnnacaat gaaaatattg agaagatatt gagaaagaaa tatatttggg 60
gcggacatcn atgnga 76

<210> 3846

BNSDOCID: <WO_ 0122920A2_I >

<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (176)
<223> n equals a,t,g, or c

<400> 3846
ttaattncca ngaacttatt tagggcattc cctttcnacc atggncaacc ccattgccct 60
tacggacttt ncaaagggat tagaatttct tttccttttc ttaattcagg ggggacaatt 120
cnggcttttc caacanctcc ttgcttgccc gcttgncagc agccaggcan gtttcngatg 180
aatcaag 187

<210> 3847
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<400> 3847
gctgggaaca agccngagct gnangangaa gagaagntgt acaagaacgc ccgggaaagg 60
gagaagta 68

<210> 3848
<211> 235
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<400> 3848
gcgcccgccg nnagggccgc acgaggcccg gcgtgcgccc ccgcctctcc cgaagcgccg 60
ggccccacgc cgcccctcct ttccctttcc gctctctccg cctccggaag cgcgggcgcg 120
cggcgccggg agcccgttca gggccgcggg agtgcgccag ngccgngcgt ggggctgagg 180
tggccgnggn tctcagatat atttttgcca tcatgganca gtttggagat atatt 235

<210> 3849
<211> 71
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 3849
gctttgctgc tangtaggca tggattatta tgctgataca tagagctctt ttgatgataa 60
nnngattnta a 71

<210> 3850
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 3850
ggggagaagt gccccctgtt gaagctcttt gtgacgggcg agntcanngt ttttgatggg 60
tgactgncca nacttc 76

<210> 3851
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3851
gcaatgtccg ccagaaggnc aggcnagccn agccntgccc tcaggcggag antggtctgt 60
gac 63

<210> 3852
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<400> 3852
gtcatcatct atccccttta taaatgaact acactgttgt ttttctgact tcgatgtgct 60
ttgaagtaca gtgtagcata tcattctacc ttgaatccta tgataataca gttgacatct 120
tgctgtagtg gacttgtgca tatagcacac atgatatagt atattgtatt acagtaaact 180
ttagacantg ctacttaatc attttacttc atgaagataa actancattc taaatatgaa 240
taatattaat ggtctacaaa aaattttgag cacattttan aatcatattt ataataaact 300
ggncaaattg ggcttatnta atgtataatt tagaacccac tgtgtagnn 349

<210> 3853
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 3853
nttgaccann tgtcacacat gatatagtat attgcattac agtaaacttt anacaaatgc 60
tacttaatca ttatacttca tnaagataaa ctaggcctgt caaatatgaa tatnnttaat 120
ggctacana 129

<210> 3854
<211> 200
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<400> 3854
ggaaatattt aaaggttgaa aattataatn acctataaag ctgtgaaaaa tagaagtata 60
atntgaaaaa acatttcact tatcagagat tnttatattt atacaaaaga ttactaaatg 120
aaggattgct aaatgntttt ggntcaatta cataaaaatt aatattctgg gtntgatctg 180
ggagagaata aatatganan 200

<210> 3855
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<400> 3855
gaatagatac taagtcttgg agaggtgaaa cagtcgcaaa tggaatttca agaaacattc 60
tatatacact gcctctagga ctgggacana tagccactga gtacctgctt caaatcaccc 120
tgcacgtttt ctctttggaa agataagcac tggagaacca tcttcgttac cttcancaga 180
aatggaaaca attcaagaca ttaagaatgc cgnaantgga cagcagctat gcanggttca 240
gnatatgaag ttttcaagat ggtgtgcctc actaanccng aaatcangaa aagatcgaag 300
ctagcctntt tnatctcagc ntgctcctta aatcangnca acnccctcca aaattaattg 360
tgaatctgaa acctttgcca ttngcttttt caaactttaa attgganata accttaactt 420
attntgntga aacccacntt gccaccataa aattat 456

<210> 3856
<211> 91
<212> DNA
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I_>

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 3856
ggtttttgac ctccacnaag atancaatta naaattngat tttctgaggt ccccttttgtc 60
tccaaaattc aattattaaa gttttngggg g 91

<210> 3857
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<400> 3857
gaatttttaa atagtaattt gtctactttg aggagattgt catagtatca ataggctgat 60
gatattaaaa actttttta tgtagatgtt acagttaggg gattaccata tttgtttttg 120
aagaatgtat aggctaagaa atgcctctca cgtatacata gccaaaagct tttcttggct 180
tcagattaat gatttctgat gtaacatttt ttaatgtaaa cacaaaaaat gacttgatat 240
tttcttgtta ctccatttat ttcttaatga ttgcatttca tgtttctaat tttctaagta 300
aattataatt acaaattagc cttgtattaa aatatagggc tcaaaatatt ttctgnggtt 360
ctctttggtc ttcatgccaa gtttgncaat ttatattctc tcagtgatta tttggntatt 420
tttagnggta gntggtattt atcaagtggt aaactatgaa tacctncatt tgctatttga 480
gaaaatgaca ctcatttaat ctaantaaaa 510

<210> 3858
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<400> 3858
gcccacgcgt ccgcccacgc gtccgcccac gcgtccggcc tgggctgaac agctgtgacc 60
aaaactccct tctgccccac cctgcccccc ccacttcctg ccctctgttc catcttcccc 120
cttcccaaag gccacagcct ttattccagg cccagggatg taggaggggg aaggaggaaa 180
caggaagccc agagagggca aagggcctac ctcggggcgc gaaccatgcc ccagactatt 240
atctcagggc tttctgggca ctgacttcag cgtggccacc tgcccatgcc ctgaggccag 300
ttggcgaggg gtggtcctga gggtttttat acccctttgtt tgctaatgtt taattttgca 360
tcataatttc tacattgtcc ctgagtgtca gaactataat ttattccatt tctctctgtg 420
tctgtgccaa gaaacgcang ctctgggcct gcccttgccc aggaagcctt gcagctgtgt 480
gcttgtggga acacttgacc tgacttacan gnaccaataa agagntttat tttaaaaaaa 540
aaaaaaaang gn 552

<210> 3859
<211> 60
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

BNSDOCID: <WO__ 0122920A2 I_ >

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 3859
ggtcagcctg natatgccca tgacacagta ttggaaanta accagnaana atnggttaag 60

<210> 3860
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (541)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (580)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)

BNSDOCID: <WO___0122920A2 I. >

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<400> 3860
ggtcctgtaa atgaatgctc tgggctagat acagcttgga gaacctgctg gccttgttag 60
acagcacttg ggcctttgcc agcagcaaga ggtgaagcga agccactctt acctctccct 120
tcccctccca cctgcccccc gcgtaggcac ccagacttgg agagacccgt ctgctgttaa 180
tacttccatc ctcttccttc ccaaagagca gatcccaagg catttactcc ttggtctgtc 240
tcgctttatc tgtcgccccc cccagcgctg agagcctccc ctggctgtca gcagcactgt 300
gtccaggctc ttgtctgaac accgcagccc ctccttcgct ccttccagag ctcagcatgt 360
cacggcaagg actgccgcat tggtgatgga gggccanctg angggaagtt gctggtgaag 420
tttccttttc tncatttcta gcatatggac acctggcctc tgcttgaaca cttangtgac 480
aggaacttcg caccttctga ngccctggat gattctaatt ggtagaaatt ctaattggta 540
naaatcttcc ttataatgaa tgaatctgct ttctataatn ntacctattg ggccttgnnt 600
gg 602

<210> 3861
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<400> 3861
aatnganaaa nnnnnaanaa tcannnaaag ataatctata aaanttcctc gtttccanct 60
nagaaaactg agcctaaagg ttggcaggac aggaccttgt ctaggttcct tcaccatttg 120
cataaatttt tagttgatgg cattctttta tttgagggct gctttgaaag tgggttccat 180
gtcttagtca tctttgggtt tcttggggcc ttacacagtg ctggcataaa gcagccctgg 240
aaataatgtt tgttcaaaat gtaagtggag tatagatttt ccctttggt agatagctaa 300
gaaatccttc angggaacct ggaatgcctc nttggtatgc angtcttgca gagcttttga 360
ttgtnatttg aaataaactg ccctcgtggg gcnctgttct ttttgcaaat tggcttgaaa 420

attgttgttn cncttnnaat ttagctccat tttcccaa 458

<210> 3862
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<400> 3862
ggggtatgga agtcatctgt cccntcactg tttagagcat ganactctcc ccctcaacag 60
cctcctgaga angaaangat ctgccctgan cactcccctg gcactgttnc tngcctctgc 120
gcctcaaggg tccccttctg caccgctggc ttccactcca ataaagtgga ccanggtctg 180
caagttcaac ggtcatagct ttcccccccat gtcccaactt gcctcatcac tcccggccct 240
aatctctcca nnnnnnnncc ccnngcctct tgggctcana ccccaactat tcaagggatc 300
tcctgctctt aatcgataat tgggggtccc tgctctcccc aagaanatct cttcaagaaa 360
ataaanttna ccttttnctt ccnaaaaaaa aaaaaaaggg gggggccccc c 411

<210> 3863
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<400> 3863
tgaaaaccat gtgtatttgt tccctccgta tgttaaagat ttccttttag tggtacattc 60
tgcactcatt ttgtatagtc taccaaggcg ggtatcccta ggaacaatat tatataggaa 120
gcaggtatac tctgatcaca ttcaggataa gtgtacagaa gaaaatacgg tgtttactct 180
ttagggaact ggaaacactc cctgcattga tgttacattt taagaatggc acttttgata 240
catgttatca taaaggtgct taatagactt gaattaaagt ttttccaaat ctgtaaacaa 300
agcaaaaaat taaattgtaa tcatttgatt atttttaaa ttggtgcttt atatttngtt 360
tctcctccan aattaaaanc tgcaatttat tgttccccca gcttttgaag ttttttcctn 420
tactcaanta atgccaatan ctcccattgg tttgaaattc ccccttttng ggaaatnaat 480
tttaaaaatt ccctaaccgg gccacttgaa aaacctgccn ccgcctaagg ttttttggct 540
ttgggttggg aaaaaaacat taatcc 566

<210> 3864
<211> 259
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<400> 3864
gccaccgatt cccgcngagg cnnaggcttg ggtgcgttca ntantcatct tcacccgtga 60
cccancnccn tggntgagna atgcctngct gctgnangtg tattggacct nnatattgca 120
ttactagagg tnctgaagac tgccctcntc cacnatggcc tatcacgtgg aattccccaa 180
gctgccaang acttatacaa atncgtgtat cantctcaat actgtgggtt ctngcaacac 240
ggaaccaaac tgccnccca 259

<210> 3865
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<400> 3865
agcanaaatn ntnnnatgan nattagnatc ttccncantg aaanaataat ttactgagac 60
agtatcatag ttgtacattg gtcacaaatc ctgtcagtgt ctgggttaat ataatacagc 120
tnnggaccnt gcgtctgcnt ccgatgtagt ctatggaaat gtgttgtttc aattgaactg 180
taacangaaa atctggcctc acccatttta tagttganan acggaanagg at 232

<210> 3866
<211> 126
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 3866
anaaaaaggn catctgccta aanataaact gctagctctc cgaaagccct gagggcctgg 60
cttgtgtgaa cntataaaan aatggtggcc gcgctgtgcc tgctcatntt gcctacatgt 120
cccnng 126

<210> 3867
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<400> 3867
cttgtatgtc ttcaagtctt cacaacccag tgccttaaaa atgaaaggcc ctaaatgtaa 60
gggagatgga gagaaagatt tattttgtan agtctttggg tggaattgtg ggtatactgt 120
tcccttcaca attgactgag tatggataac cgtacataan catttgctac accccaccag 180
ccccctcccc ctcagaaaca ccagttcctt cccaagggca gctgtgccag actcccctcc 240
cgggactgcc ttcttgtcat cataagcaaa aaaaaaaaag gggggggcccc cccaaaanaa 300
naanaatttt tntna 315

<210> 3868
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<400> 3868
gccccaaaaa ggccttcctt taaaattncc cccggaaact tttctaacct taaataaaaa 60
ggggggggaa aaaaaaggcc tttggggggt ggaacccncc ccccttggg cccaaagggg 120
gtttaaancc ccggggggnt tccccccggg ggnaaaaann tttccccccc cccgggggg 180
ggttttcccc gaaaaacccc ccccaanacg ggcccgggnt ttttcccccg ggtttggggn 240
ccccccccn ttttttgggg gtntntcccc ccccccccca aaaaaaaaaa aaaaaaaatt 300
ttttgggtt 309

<210> 3869
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<400> 3869
ganccatgan ccgnctcaac tgctgtggnn ncnctnnatn tncggatcnn gacgactcnc 60
cctatttcac atacaacaga tcttttaccc ccattctgtt agtaataaca atctcgcccn 120
cccatcctat nanacctgta ccactcagga aggatcacga ccaaatnagt atagggttnc 180
ttctntnaac tttctgtatn acatccgaac tnatgatnnc ancgggggtg gtgttggcag 240
ttggaattgn gggcctcgag ctggctgcca tgattgngtc catntntcta ttactgcaat 300
ctacaangaa tccgcttact gcctctgcca ctaatggntg ccccccctggg aactct 356

<210> 3870
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<400> 3870
tanatcgggc cccaaaaggc cttcctttaa aattcccccg gaaactttct aacnttaaat 60
aaaagngggg gaaaaaaaag gccttggggg tnggaccccc ccnccttggg ccaaagnggg 120
ttaaaccccg gggggttccc ccgggggnaa aaattttccc cccccggggg gggtttccgg 180
naaacccccc caaccnggcc cgggttcccc cgggaaaccn ccaaaaaaaa tttttaaaaa 240
ggnaatttgg gggtttaaaa aggaaacccc cttcccttgg gaaaggnaac ccccaaaana 300
anaatttttt tttgggtttc ccccccaaat tcccttccct ttaacccccc ccccccttte 360
cnaaccaaaa acccttgggc ccttttttaac ccaaggnaaa aattgggggg aaattccnaa 420

ttgggtttcc ccccccccc ttttttnaatt tggtttttgg naaaggggt tgggaaaccc 480
caaacctttt ttaaaanttt tnggcccttt ttttcccct ttggnccct ttccccttt 540
ttggnaaaan 550

<210> 3871
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<400> 3871
cagaggaggg cagcagaagg gggtggtgtc tccaaccccc cagcactgag gaagaacggg 60
gctcttctca tttcaccct ccctttctcc cctgccccca ggactgggcc acttctgggt 120
ggggcagtgg gtcccagatt ggctcacact gagaatgtaa gaactacaaa caaaatttct 180
attaaattaa attttgtgtc taaaaaaaaa aaaaaagggc ggccccncta aaaaatccaa 240
ncttactttc nctttcatgc aacttcatan ctctnct 277

<210> 3872
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (502)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<400> 3872
cngcccccaa aaagggcctt ccctttaaaa attccccccn ggaaactttt nttaaccttt 60
aaattaaaag ggggggggaa aaaaaaaggn cctttggggg gtngaaaccc gccccccttt 120

BNSDOCID: <WO__ 0122920A2 I_>

ggggccaaag gggggtttaa acccccnggg gggtttcccc cgggggggaa anaatttttc 180
ccccccccgg gggggggttt nccgggaaaa ccccccccaa accgggcccn ggttttcccc 240
cgggcccttt gggnggnttt aaagntttgg ggggcccccn aacccaanaa aggcccccct 300
ttgggggggcc naaggnccct tnggttttaa gnnaaagncc cccnggcccc ttaaaaaccc 360
ccttncccccc ccgggaaacc aacccccttt ccccccccttc ccaaccccca accaaaccaa 420
ngnggaaacc ccccttttgga aagnttggna agnggaaagg ggaagggggg ggcttggggn 480
aaaaaccccct tgggggnatt gnggggtttt gggcccaana aggggaggaa acctccaagg 540
gctccttggc 550

<210> 3873
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 3873
gaacccnccc ccttgggcca aggnggttna accccggggg tttccccggg gggaanaatt 60
ttcccccccg ggggggggttt ccggnaaccc ccccaaaccg ggccgggttc ccccgggaaa 120
gggggccaaa ttttcccccc ccccctttttt cccaaccaaa aaaccaaagg tttaaagnaa 180
aggnaacccc cttnaaccna accaanggtt tgggaaaaac ctttttttttg gggggggggg 240
aaacttttttc ccttgggaaa gnaaattccc aaggnccggg ttcccccttt aacccccaaa 300
aaggnaaacc ccccccccaaa ggcccccccc aaaaaccttt ccaaaaaggn cctttaaccc 360
aaggnccaaa gncccaaggn ccaaccnttt tccccccccca aaaggncccc nttggccctt 420
ggnaaccccn aaccaaggtt tccaaccnaa 450

<210> 3874
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (485)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 3874

gttgtgtgca gagattgagt gtggaaacca gtgggaaagc caatagcata gcctcatgtg 60
agctgggagg ggactgaact ctggaggtgg ctctggagct ggatgtgaca ccaagcatca 120
ccagattggt ggtggaatgt gggggaagaa caggagccta ngagaacagt cccaccccag 180
gcaggctgga gcacctgaat ggatagagga ngtcgttcct gaactgggca gcctgggcag 240
gacacanatn ttggaaatga aaccaggggt cctctgatac aggttacatt tgaaatgttt 300
gcaaaaatcc agttananat gtcaaaaaag cagttagatc ttgtnattct gaanctcatt 360
tnaaaatcca aaatagccca attttagttt ggttttctcc aaccttaact tattagggaa 420
tggntttgaa ttccctgcca naaagaatgt ttnacngaat tnaanaaagg atcccctaga 480
acaanttatg cttaatcccc ttttttgatg gtccnatnaa gaagaaanac cccttnngga 540
aaaaggaaaa accnggg 557

<210> 3875
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<400> 3875
tacnatgcca aaaggcttcc tttaaatgcc nccgcaactt tntaacttta aataaaaggg 60
ggggaaaaaa aggccttggg ggtgggaccc ccccccttg gcccaaggng gtttaacccc 120
nggggggttcc cccgggggna anatttttcc cccccggggg gggtttcccg gaaacccccc 180
caaaccgggc cgggtttccc ccggcnaaaa ggcccctttaa tttccnttna agnnaaanna 240
aaggnccccn aaccaaattn ccccccttggg tttttaggaa aacnttggga aaaaaaaggg 300
ttgggggggcc naatttggcc caanaaggna aattnaaaan aatttttttt aaatttttntt 360
nggnccttttg ggtttttccc ccttttttggg tttcccttna acccttgggc cctttttttt 420
ttnttnttttt ccccccccccc ctttttgggt ttgggtttgg cccttgggtt tccnaaaaag 480
nttttttttt tgggggggttt aatttcccaa ngnaaaaaaa atttaaaaaa acccaatttt 540
tgggaaaaaa 550

<210> 3876
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<400> 3876
catcgcccaa aaggcttcct tnaaatcncc ggaactttca acttaaataa agggggggaaa 60
aaaggctttg gggtnggacc cncccccttgg gccaagnggt t 101

<210> 3877
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<400> 3877
aatttcttgt acaaaattgt ttatttgcct tttctttgtt tgtaacttat ctgtaaaagg 60
tttctcccta ctgtcaaaaa aatatgcatg tatagtaatt aggacttcat tcctccatgt 120
tttcttccct tatcttactg tcattgtcct aaaaccttat tttagaaaat tgatcaagta 180
acatgttgca tgtggcttac tctggatata tctaagccct tctgcacatc taaacttaga 240
tggagttggt caaatgangg aacatctggg ttatgccttt tttaaagtaa ttttctttaa 300
gaactgtcac atgttntttg ttgaattgtg gaatttgtta ctctgccttg gactatggac 360
agtcaacaat attttcttaa aaatttgcac tattgcanaa cgggtgttat tatccaaggt 420
actccttacc ctaatttttt tngttnctgc ctggtncccg ttacaanaaa cattttccct 480
tttaaattgg ttaccttgcc ttttttaaaa cttttgnttt taacccccct ttaaaaaatc 540
ctgcctttat tgggca 556

<210> 3878
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<400> 3878
aatantttt angatttcgt agtcttttta attaaaaata agggttttgn acnccctttt 60
ttttaaaaaa tgntcctttt ttttntnntg attagtntt 99

<210> 3879
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<400> 3879
ggataatatt tccataattt ttnatttgaa attttgctga ttcttnaaat gtnttgtttc 60
ccagatttca ngaaacttttt tttcttttaa gctanccaca gcttacngca atttgataaa 120
atatactttt gtgaataaaa attgagacat ntacattttc tccctatgtg gtcgctccan 180
acttgggaaa ctattcatga agtatatata ttgtatggta atatagttat agcacaantt 240
caataaaaat ctgctctttg tattgcnctg attgtgngct angcacnga 289

<210> 3880
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<400> 3880
aggaaacttg tgcattacat ttttcctgat caagcaggna nggagcaana tgtncatata 60
tatttnt 67

<210> 3881
<211> 144
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<400> 3881
ccgcactttc cagcagggat cnngaaganc acccgagtcc caagaatggg gttttgcttt 60
ttaaaaaaga aaaaagaagg gtnattgcng ggattgaagt tcgcctggcn gtctatccgc 120
ncaaggatcc tctgtccttc atan 144

<210> 3882
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<400> 3882
atgccnaagt tnatactcta ttgagaaaag ctnggtacgg gttgcaggta cnagtccgta 60
attcccgggt cgacccacgc gtccgctccc gcngggccn 99

<210> 3883
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)

BNSDOCID: <WO__0122920A2_I_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 3883
ttttttgga catnntcccc cctttttttt tttatcntna nccccccctt tttttttaa 60
aaaaaaaaag gggggggccc ccccccccct tttnggggg 99

<210> 3884
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 3884
cnctttggac anntcccccc ttttttttg atctnnancc ccccnttttt tttaaaaaaa 60
aaaggggggg ccccccccct tttttggggg gncccaaaa 99

<210> 3885
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (104)
<223> n equals a,t,g, or c

<400> 3885
gnnccccccct ttttttttaa aaaaaaaaaa aanatttttt ttttnttttt tttttggggg 60
gccccccccc ccccttttttt ntttaaaaaa aaaaaaaaaa aann 104

<210> 3886
<211> 188
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<400> 3886
ncaaaggaaa gntggtacng cccaggtacc gntccggaat tcccgggtcg acccacgcgt 60
ccggcagggg cttggggcag cccnccctct cctccaccca gaccaagtgc ctganganct 120
gcctgccttc ttccatctga aaaagcaccc tccntccccc tttgacttgc angagccacc 180
aggganca 188

<210> 3887
<211> 542
<212> DNA
<213> Homo sapiens

<400> 3887
ggcatcttct gaggtcaatt aaaaggagaa aaaatacaat ttctcacttt gcatttagtc 60
aaaagaaaaa atgctttata gcaaaatgaa agagaacatg aaatgcttct ttctcagttt 120
attggttgaa tgtgtatcta tttgagtctg gaaataactg atgtgtttga taattagttt 180
agtttgtggc ttcatggaaa ctccctgtaa actaaaagct tcagggttat gtctatgttc 240
attctataga agaaatgcaa actatcactg tattttaata tttgttattc tctcatgaat 300
agaaatttat gtagacgcaa acaaaatact tttacccact taaaaagaga atataacatt 360
ttatgtcact ataatctttt gtttttaag ttagtgtata ttttgttgtg attatctttt 420
tgtggtgtga ataaatcttt tatcttgaat gtaataagaa tttggtggtg tcaattgctt 480
atttgttttc ccacggttgt ccagcaatta ataaaacata acctttttta ctgcctaaaa 540
aa 542

<210> 3888
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (551)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<400> 3888
gggtagatcc acccttatgc ttctcagttt agcataacct cttatggatt ttcatcaaat 60
tcagcgtgtt ggtcactgga aagagccttt tccttctcct tttcttactc tcccctcatg 120
gtgttcccct cttaaaggag aggagctttt aatttacact taccacctca tttgcttttc 180
tggaggccat gcaatatagg cgggactaca gagttaatct ccttttttaca aatgaggcca 240
agagaagcct nattggttca cagtcatgca gctcatactg tccacccttg tattctcaga 300
tgcaggacaa ttgcatttta gttttatttt gtggaggtgc agaatattta ctctttctgt 360
ccaacccttg attctgccga ggaagacact gatggtttga tgagtgattc agctgttttg 420
gctaaggggc ttttggagct gatggcaggg gtttgatnaa ttcaaatgag ctntagacat 480
tatcacagac tgaatagatc tttaactggc tcctacatgt gtgntttcaa atgtgtatag 540
aatgctatng nnattaaata a 561

<210> 3889
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3889
naagtatggt acccctgcng gtaccggtcc gganttcccg ggtcgaccca cgcgtccggc 60
cgnntaagag aagttgtaaa gtatgtatta ttcggccctg gnt 103

<210> 3890
<211> 73
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)

<223> n equals a,t,g, or c

<400> 3890
ttacnaaana gaggatttac aaaaaccagc tagaggatat gatggaaaga agcaaatgaa 60
anncgggcag gcn 73

<210> 3891
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

ENSDOCID: <WO___0122920A2 I_>

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<400> 3891
atgcacacaa tgccacgtgc ctngtgaaag catgaagcaa aagaaaggat gagatcaaag 60
cctgacccaa cttgacttnc tnctntagnt gagccaccgc accttgctgc ccctntcctc 120
ccctttgcc tctgtcaaat gacctactct gccctntntc ccagntgctg ctagacccag 180
agcacttgga gcaaccagct ggagggtttg gtaggctcac ccttgttgtg ctgatttctt 240
ggctccacag ttctcaatgg nttgagccag ctcangntct ttctcacagg gaactggagc 300
aaaaatcctg tangagcaat tcttggngtt ggacaccc 338

<210> 3892
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)

BNSDOCID: <WO__0122920A2 1_>

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 3892
gctgtttta aaaagtaaag ttcttagagg ataaaaacag ccacccaant ggngcntttt 60
naaggatcna 70

<210> 3893
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<400> 3893
gagcgcgttn gnagacaang atncaaagac aagaagaaaa taattctgcg cacttaagca 60
ctggagagaa aggattagga tagaatggga gaccngcttt gcacaannat tccanggtat 120
aggcgccaan gg 132

<210> 3894
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 3894
cttacgatan tnttgngcan gtacccctgc aggtaccggt ccggaattcc cgggtcgacc 60
cacgcgttcg tgtttnctgt agactgaact gctagaaaga tgagatgtta aaattcaata 120
taaacttgaa gaattttgta taattataat tatacaaaat ataggtaggg tgcacaatgt 180
tatcaaatgt tnatcagnat caaatgaaan caccttttgat aagctgcttt tgaaaatgct 240
gccttttttaa agaaatcgnn aattattgac atctgacagn actaacattg nggnagctgc 300
tctacagatg 310

<210> 3895
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<400> 3895
tggaaanttc ttctatantn ttaggcangt acccctgcag gtacacggtc cggaattccc 60
gggtcgaccc acgcgtncgt gtggttccac ccaatatctc tcaggcatct acaaaggctc 120
tctcttcctc cgtcagagtc tggactgggt tcactggtcc ttgntnnatt gactgancan 180
atgtgattga caacagctgt gcctaggggt taacctagtg ccccctgcta gatcaagtac 240
ctgactccca gcccagaatt gcccatctca gcaaaggagg gtggcattga gacttangtg 300
gatcataggc actnncatct tcatgagncc catcgcacat tanaataaa 349

<210> 3896
<211> 69
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<400> 3896
gccgggngat ccntgctgtg aggccaaggg cggcatgacc cgaggtggca agnagagcnc 60
gagaacgac 69

<210> 3897
<211> 221
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<400> 3897
ggtggatgcg gangcttggg tgcgttcaag aattcaaact ttnaacccgt aaacccaanc 60
ggccattggg cccnaaaggn aaagggcatt ttgncttggc tttgggaaag gtttgttaaa 120
aatggggaac ccggttttaa aattaaacct tgggnttttt ttaaacccaa aggaaaaang 180
gggtttttcn ttttgaaaaa anaaaaactt ttgggncccc c 221

<210> 3898
<211> 237
<212> DNA
<213> Homo sapiens

<400> 3898
ggcctcctcc agcagagacc ctcggacccc tgcagggcct ggacttgggg tgaacagggc 60
ttcagtcagc gcaagtattc catttgcatt tggtaatttt tcatgccacc tatttatgaa 120
tatataaatc tttataccaa atctatttt taaaacatgg aaaagttgcc tttatggaaa 180
cttggcagag ccagagtgta cacattccta aaccattaaa cagatttcta taacaaa 237

<210> 3899
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

BNSDOCID: <WO 0122920A2 I >

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 3899
ganacaattt ggcaccactt tgggggcttt tggaaaatcn tncccnagaa ngg 53

<210> 3900
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO_ 0122920A2_I >

<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<400> 3900
cctgcaggta ccggtccgga attcccgggt cgacccacgc gtccgctgag ttagaaaaat 60
catcttttcc aaacaccact gaaatcatgg actaggacaa ggttagccca tgagtgttta 120
gaccagtgag gtgagcagct gctggggaca ggacccttgt ctggtatcga tggcagggaa 180
ggctgtgagc ctcccctcgt gtgggcatca gcctcagcct cccagtgggg gtcacccagg 240
gagcatatct cctggtgaga agtacaggag cttcacattc cctggatacn gtcccagccg 300
aaatgttcac cgtgaatccg gcaacctgtg gagctgattt ccatttctaa ggaacgaggg 360
gggatgggga ngaacccccc aggacagcac caacagtcct gcggggacct tttcccggac 420
acccggtctt cttcggtggt gangcatgtg gcnngntccc gaaaggcccc nggggggga 479

<210> 3901
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 3901
ggcaggcacc tcaagaagat ggaccttgga ccaaggctgt aactccacct gtgaaagatg 60
ataatgaaga tgttttctct gccagaattc agaagatgct gggaagctgt gtatctcatg 120
caacttttga tgatgatctt cctggtgtan gcaatcttag tgaatttaaa aagcttcctg 180
agatgataag accacanagt gccatatcaa gctttanagt gagatcccct ggtcccnaac 240
cacaagggct actggcacan ttatgtaaaa ggcatactga ctcttntagc tctgatatgc 300
aagcctgttc tcaagacaaa gccaaaatat ntcttggttc cagcatagat tcagtcagtg 360
aaatggcctc ttcttagtga agggagtctc tctgaanaag agggataccc tngatggnca 420
n 421

<210> 3902
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<400> 3902
gcaattctga ggtggtttat tgggagtcct tctacatttc tcttagataa ctctgcactc 60
tgggtggcta ttgtgtagcc ttactgcccc agagtgcctg ttagccaaat atttcccctc 120
tgataggaat attttctaag aatcagctga taacttgcgt gctggacctt gttatctgtg 180
cccctgggag acacacgttt tcttggtttt gaaaacctga aacacaggca actttacatt 240
ttggggaatt agctgatgcc tcctgaagcc tgaggaggtg gcggggaata tgagcggtgc 300
tgtctctctc aaaagtgccc tttagatgat tccccctcct agggctgcct gcaggggctg 360
tatgcttggg aaagattgtg tangtgacag tgaatcagaa tgaagtggtn agattttgtn 420
t 421

<210> 3903
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<400> 3903
gagacttatt taattatgnn cnccatggaa atcactctcc ngttggncta t 51

<210> 3904
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)

<223> n equals a,t,g, or c

<400> 3904
tggaantcnc tagctttgnt gcncaagtgt atgccgtgga tggactanat gagttactct 60
tcctatggtg aatacgacgc atgggcgcat atataaagac tggggtggna tagatcccag 120
aaanggtcnn tacgaggtt 139

<210> 3905
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<400> 3905
ggctgacttg cttattgagg tcggcagctc ccgagaagca ggagaagcag agtttttgca 60
gacagaccca cgaagtcaag catgcggagt gcagccaagc cctggaaccc agccatcaga 120
gcaggggcc acggcccaga ccgggtgcgg cctctgcctg cagcctcttc cggcatgaag 180
agttctaagt cttcaacttc cttggctttt gagtcccgac tcagcaggct caagagggcc 240
agcagtgagg acacgctcaa caagccagga agtaccgctg catcgggggt ggttcgcctg 300
aagaagaccg ccactgccgg agccatctcg gagctcacgg agagccgcct gaggagcggc 360
acaggggcct ttacaacaac taancggaca ggcattccag ccccacggga attttcagta 420
actgctcaag anagaggtct ngtgccacgt ggtccctcca acctcangaa atnag 475

<210> 3906
<211> 69
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<400> 3906
gctcaaggtc tcctccttcc ctccccccccc ccccccgtca cttggntnat caaccttnnn 60
ggcatttgc 69

<210> 3907
<211> 77
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 3907
nttgttactc tggttactgg ggncgtgccn cgctggcana gagccgccgc cgcgagggat 60
gctgntgagg aagccgt 77

<210> 3908
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<400> 3908
naaactgtcc tatcttgttc tgtaaaatat tagaacgctt tgttttacaa aaaatgatga 60
gagaattctt ccacatgtac ttctgtgctt agaacatttt tacggaccta agcgctggag 120

acgttgctgc atgtcggctg ggtttttttt ttcatacacc cgagcacgga aaaactaacg 180
caaaattgta ttttcttacc tagtggaaat ctgaaatgac tgcaaattcc tagtgaatgt 240
acaggtttgc tttcgtgtcc ctctttggtt gctttaaaaa gtgacgtgta atttctgacc 300
catgtttaat ctgtataaaa aaacttctgc cccagttttc tctgnccccc ataagagcca 360
acttgagttt atgccggttg ncattataat tcaataatct ttttttcantt aaaaaaanaan 420
attaaaaaag ggcggc 436

<210> 3909
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3909
tnaataccct tggactatcc gactacttag ggaaagctgg tacgcctgca ggtaccggtc 60
cggaattccc gggtcgntcc acgcgttnng ttatatatnc anac 104

<210> 3910
<211> 87
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 3910
aattcccacn gactattcgg aaagctgccc gcctgcaggn accggnccgg aattcccggg 60
tcgtnccacg cgtttttnac agacgct 87

<210> 3911
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<400> 3911
gtttcttnta gttcaataga tgtgcatang gtagctttag caattaaatt ctnnngaagt 60
tgatatagtc tcatttttaa ttgtcctgta atggaacagt agnaaattca ctaaactttt 120

gtgttcagag ttaaattgnt ctcagtactt tcaatgtagg ggaatgtaat aaacatagng 180
tgtatgtttg ggttttaatt acacatttta tatatgagcc atttagatat gcagtgttaa 240
ttctatactg catttgaagt gtatgtaact tagcttatgt taatgcagtc atgaagttgg 300
tttgctccag catcacggta gtctttaaac attcttttag tgaaattgtc attgntntat 360
cagtgctaat gtgtgcaagc agngntttta cctgcttttc tcctggcatc anaaagtggc 420
ggc 423

<210> 3912
<211> 72
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<400> 3912
nttaataagc tagaantatt acaacccctg tgtntntggt ncttatcaaa tacttagtat 60
catgggggtt gg 72

<210> 3913
<211> 106
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3913
nccaggatta aaagccatga gtttcttgtc aaaaattttg ctgctctcct gctgggggg 60
ggggggggc agtataccac ngaaatganc tatancaaag nctnta 106

<210> 3914
<211> 701
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (540)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (636)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (644)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (674)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (684)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<400> 3914
gcgtgcaacg tggctccgtg cgctgctcct gtggcggcct ggctctccg tgcccctcct 60
ggcccttggg ctccttgccc tcagaagagg ggccccgtca ccctcagaag aggggccccg 120
tcaccctcag gtctgggcta gcccggacta gggaggtttc ccctcccttc tagacacttc 180
catggcccca gctgtcctga gacgcggctc cagaatccaa ccaggcctga atggcacctg 240
ccctctcagc gtggagcgtt tgccaagagc acgccgactg cagggcgcca ggctagagcc 300
tggaaatcta agcggggccc ggcctgccca gctccatgga gtctagggtt cacaacgagg 360
caccgccaaa acccaggggg tgacacagga gggaaggggc ccaatggagc cagggcaggg 420
tgctgtgtgc acccacttgc actggcctgg ccttggctcc ctgccagccc cctggcaggt 480
gacactgtgt gtaggcagag cccgagcctg ggctgcaagg cattccacac acgcagnatn 540
canagagagg atccaggtca nggcccggga aagccttgca tgcttgggac acaagtcgtt 600
cttggaaaag gacaagcttg gaaggggga caagtnccca aaancaacgt taccggcttg 660
ggaattttcc tttnggccct tgancnaaaa agccttaaaa a 701

<210> 3915
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 3915
gagccccgnt tatggaagat gaanaggagg atatgggggt ggaatgacct aatggagnaa 60
aacacattnt 70

<210> 3916
<211> 88
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<400> 3916

gctcaaggtc tcctccttcc ctccccccnc ccacctagan tgggcctcat tgggcagaag 60
ttgcagnctt tnttanattg cctgcaaa 88

<210> 3917
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)

<223> n equals a,t,g, or c

<400> 3917
gattaaggga nngtcgttct cagtgaaaat ccaaaaacca gaaaaaaatg tttatacaac 60
cctaagtcaa taacctgacc ttagaaaatt gtgagagcca agttgacttc aggaactgaa 120
acatcagcac aaagaagcaa tcatcaaata attctgaaca caaatttaat attttttttt 180
ctgaatgaga aacatgaggg aaattgtgga gttagcctcc tgtggagtta ncctcctgtg 240
gtaaanggaa ttgaagaaaa tataaacacc cttacaccct tttttaatct ttgccattta 300
aaagttctgg cttaactttn gaattccatt tagagaaaaa aattcnttgg tacccaggaa 360
ttcatttcaa tttcnaattt gaaataggtt gnng 394

<210> 3918
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 3918
gtccatattt ctctgcatct tctcttggag tgagggaggc tacctggagg ggatcagccc 60
actgacagac cttaatctta attactgctg tggctagaga gtttgaggat tgctttttaa 120
aaaagacagc aaacttttt ttttatttaa aaaaagatat attaacagtt ttagaagtca 180
gtagaataaa atcttaaagc actcataata tggcatcctt caatttctgt ataaaagcag 240
atctttttaa aaagatactt ctgtaactta ngaaacctgn catttaaatc atattttgct 300
ttagggaaaa gctttggttn gtgttcgtgt tttgnttggt tcacttgttt nccttccagc 360
cccaaanctt ttggtcttnt cc 382

<210> 3919
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<400> 3919
atgcctcatt tgatgnccct ggtccgcttg caggtccggc cggaattccc gggtcgccca 60
cgcgtccgta atgatctgca tcagttgtaa aggggaattg gtatattcac agactgtaga 120
ctttcagcag caatctcaga agcttacaaa tagatttcca tgaagatatt tgtcttcaga 180
attaaaactg cccttaattt taatatacct ttcaatcggc cactggccat ttttttctaa 240
gtattcaatt aagtgggaat tttctggaag atgggtcagc tatgaagtaa taggagtttg 300
cttaatcatt tgtaattcaa acatgctata ttttttaaaa tcaatgggga aancttagac 360

taattttaaa atngtnccat nn 382

<210> 3920
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<400> 3920
tggactgcat ttaaatncga tttccatctt aantgtgtac tcanatataa tgagangtct 60
cattcgactt antcttgact tctgtgtcat tctttaaacc ttttatggct agagtttcca 120
ctatcccaat caaagaattc agtncacatc ccagaatcca taaatgtgtt ctggnccact 180
ctgtaataag gcaccaagaa ttaccactaa ttcatncaga ttttacctat canaatanca 240
c 241

<210> 3921
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3921
gcggaanatg gcccgcctgc aggtaccggt ccggaatttc cgggtcgatn tacgcgaccg 60
ntttaagacc nggtgataac tgagcctcaa tggngcagaa actnggggct 110

<210> 3922
<211> 138
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<400> 3922
gaagaacgng aanganggag accgcnggga gcagagcaaa accagggaac ccaacaaaca 60
aaagaacggn gccgaagaac gggaccgaac cccacccgaa gngccaagaa acccgaggan 120
anccggaccc gcnacgcc 138

<210> 3923
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<400> 3923
gggntttaaa agccaggcct gccaggaccn ccaggcggna caggtgcnaa aggcctccga 60
ggaatcccag gcaacgcagg agcngatgga ggaccagggc ccaggggctn gccaggagac 120
gcaggncgng aagggnaccc aggaccccca gggnacatag gaccccgagg atccaaaggn 180
gcagngggcc ancctggccc agatggatcc ccaggaccca ncggcctgcc agggccagat 240
gggccccctg gggaaagggg ccn 263

<210> 3924
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<400> 3924
aattgggcca ccngggttaa cccccggggg gttnccccng ggggtaaaaa atnttccccc 60
cgggggggng ttnccgggaa acntctccaa accgggcccg ggtttnaaac cgggnttttt 120
tttgggaaag anaaattggt aaaattgggg gggcaattaa aaggnccctt ttttttaaac 180
caaaggggcc naaccnaaat gggggcccaa atggggtttt taaaggggng cccaaaaagg 240
gttaaatttc caaaaaaggg ntnttaaaaa ttnttttttnc cccnccttgg ggtgtt 296

<210> 3925
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<400> 3925
gacctctgct accgnggtag ctgacaacat atagnatgag gtttggatct aagtctgntt 60
cctctcacat gattacttga cagctaagca tctgattggn ttactgctgt accactgagc 120
tgaaatgccg tgtgnnccat tnatgtaaaa tc 152

<210> 3926
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<400> 3926
ggtcccgaat tccngggtcg acctacgcgc ccgggatttc agancnattt ggccttaata 60
catttccagn gtgaccngca gcaggctttt ttcccccaag aaga 104

<210> 3927
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<400> 3927
aacgangaac ccttagcang aactcccggg aaatccnngc aaacttttcc ggaaanctgc 60
cccgcntgca ggtaccggnc cgntaattcc cgggttnac 99

<210> 3928
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

BNSDOCID: <WO_ _0122920A2 1 >

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<400> 3928
gttggngaac ccttaagann gactcccggg gaatccccgc naantttcc ggaaaacagc 60
cccgccggca ggnacacggt ccggaanncc cgggttnac 99

<210> 3929
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<400> 3929
gcacacaaat aatttattta gcatattgtt ttctccaaat gttgttgatt tatattttgg 60
aatactgtag tgctaagccc aaaacattta agtcggatga tcgaggataa tcctttagaa 120
ttatggaaac ttggaattgg aacacagttt tagtagcctt tagaacaatc agcacacgtc 180
aacaggacac tcccaccaga gcagtctgtt tgaggcattt cttgaagcct aaatccaaca 240
agaaggccca gctcaaaaat atggcagcct cactcacgtt tccccattat gttgccttcg 300
aattcctgaa ctcn 314

<210> 3930
<211> 298
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<400> 3930
tangggcagc ctccgtcatc catgccctcc caggaccctc cactcactgc tgtgagtgcg 60
cctcaccaga accagttaag agacaactat caattcttga gacccaaatt ataagggccc 120
tgccctgtac tgaagaaaag gggagcacaa ggccttaatg gacattgact tgtgaaaacg 180
caaacatgaa tatggttgga gagccctgga ttaggagggt gacatgggga aggcagaggc 240
tggcaccatg gtgactgcca cataataaag tggtgatttg gaaaaaaaaa aanngnnn 298

<210> 3931
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<400> 3931
tntaacattg ggactttnca agactntata gctatatagt gcctattata ctgcangtac 60
ttacaaactc atttataant atacgtacaa aatggaaaaa tagaaaagta ggng 114

<210> 3932
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

BNSDOCID: <WO __0122920A2_I_>

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<400> 3932
anccgcaggc accttctcac tctcaaggaa ggnacnctcc ccctgcaggt accggtccgg 60
aattcccggn tcgncccacg cntcntnaaa aacaanaaa 99

<210> 3933
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3933
ctgcagcacg ctcgtcatat agtggaanga cncacccccc gcacgtaccg gtccggaatn 60

cccggttcga cccacgcttt cntgacnatg ngtgaagga 99

<210> 3934
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<400> 3934
cgcttcnata ctttanngtc aggtacncct ccaggtaccg gtccggaatt cccgggtcga 60
cccacgngtc cganttnant ttcaaaccaa aaaaaaaaa 99

<210> 3935
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<400> 3935
tctgagantg ccgggccnct cagggcnggg ggagaagntg aaagtctaac ac 52

<210> 3936
<211> 88
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3936
gctttcttat tagaaatatg atacgaatgt gtnagcanac gacangtgcc tttanaatta 60
canttctaac ttacatattt tttgaaag 88

<210> 3937
<211> 80
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 3937
ggatantaga tgattggtta aacccctaa tcagatagta gatgattggt tttnaatagg 60
ttnanccnat gatctactat 80

<210> 3938
<211> 66
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<400> 3938
ctgatcaaga atttggngtg gacgtaggcc ctgntgagct ttttataaac caaactctat 60
atgaaa 66

<210> 3939
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<400> 3939
aaaatgaaac atattatgag aggatataan gaataaattt cnaatactca tggncttact 60
gtattcatga atcacatagt tncaacgacn tcacacctgg gaaagggaat attgcta 117

<210> 3940
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<400> 3940
gaaaaaatac aaaattaaaa cctgtatcat gacaacagta atgtcttccc ccaccagaca 60
cagtaagaag aaggaaaaaa gcaaatgagc aaacagtact atcataagcc nagaaaaaaa 120
ctgcactgga aagaaatata ccaaactgtn ttntaaaaaa aaaaagnggc taggttnggg 180
tactagaat 189

<210> 3941
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

BNSDOCID: <WO__ 0122920A2 I_>

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<400> 3941
gcaaaggagg acctggacaa atgtgcccac acatcctctc aggcgaggag aatggacagg 60
agagagaggc cgatccgtgt tccccgtgtt gctatgtaag gaggtgcggg accgaggaac 120
ctaggtgtgg acagggacag gcaaggcggg ggacgaagag aaatgaaagc cacatcggtg 180
gcggatgttc tgaacacaac tcgctcgcta ccgcacgttc cccgctccgc actcancgga 240
tcccgggacg gcagcaggtg gctcctgnac gtgcgccggc tcctgcaang tgcaaagagt 300
gcaaatgcac cttctgcaag aagagctgct gttcctgctg ccccntgggc tgtccaagtg 360
tgcccatgct gcgtctgnca aggggcatcn ganaantgc 399

<210> 3942
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 3942
gaaaacatac nggagtctgt ctctgctatg gaatgcccca tggggcatct cttgtgtact 60
tattgtttaa ngtttcctca aactgtgatt tttctgaaca caataaacta tnttgatgaa 120
aaaaaaaatt aantaanaan taaaaa 146

<210> 3943
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<400> 3943
gaanntgaaa nctntctgac angaaatagt nctggatggt ttgaagatct gcngngaaaa 60
ataagtgtgc acctnagacc ttcagntagn cttttattta tttagaataa aaaatagntt 120
gataacctac cagagttagt gcttntttaa aaacactcct tggaaagatg gggactgtcc 180
cttangaaag ccatanaagt gattnccaat actttgnaat tgcttttgat tttnaggtcc 240
tttggaacaa atgtgtgatg ttatgtctga tgntgtgttc ttagagctgt gaanagtttg 300
aaaaatntca aggggtttat ttaaatgatg aattatctgg ntgaaattat ggn 353

<210> 3944

<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<400> 3944
ggacatacac ngccnacagn ctgcgggcgn tganacctat actgaccctg tg 52

<210> 3945
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<400> 3945
agntgttacg cccgcaggnn ccggnccgga attcccgggt cgacccacgc gtccgagcta 60
ttacactagc cttttagatn tactgtagac atctgtgaaa aattatgaat tggcctttat 120
tacaagactt tgttttcaaa cctttatttc tgttccaatg taaatgataa tcgaacttta 180
ctggagaaaa gacccatgat tttaaatata gttntatgtc agcttatagt tttacatcag 240
agtccatata gctgttagaa agttatgtgc tactgacaaa ataacagttg gcaaaacata 300
agacaaaatc tacaatttta ttcacaggat ctaactaatg taccattatt attaccaatt 360
gatctcagtg tgctataatt ttggtaacaa tttctttgat atgcttttaa aaatatatat 420
atatttacaa ataaaggnat aatttttaan ananna 456

<210> 3946
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<400> 3946

cnnctnatgg aatctcnact ataggttaag ctggtacgcc tgcaggtacc ggtccggaat 60
tcccgggtcg acccacgcgt ccgtgaaatt nagttatagt ttaatctttg taatctcact 120
aatgggtttn atanatgaan ncggaa 146

<210> 3947
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<400> 3947
gcaaagaggg cttcnaaaac tacngancng taagggcggg actcaccata gaatgcaatg 60
antatgtg 68

<210> 3948
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<400> 3948
gctgcctcca tatcgtgagt tgctagttgg ccaccttgat ttgctgccct tcctggagca 60
gctgtactgc tgggcaccct gggtccaaac ccacctccat ctggacctgc taggtgccat 120
tgtccaggcc tttcctccag acagctcttt gttagacagt gcttcccatg ctgactgctg 180
tccccagaag cggaggctcc atcacaggcc cccatgccca gcttgccctt ttgtgcaggc 240
ccagtggagc aggcagcaag taaaggagga nctggncacc tggctgggac cattgacact 300
ggctgagcta cagngctggc tgggcattgn tggng 335

<210> 3949
<211> 179
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<400> 3949
cnttcnttgg gcctttaatc tgccnatcca ttcatgatca ttggaaggcc taatatatgc 60
caagtctnac atggtatgca ttgagacata cganagactg ctatacctca ataagtattg 120
aaaatccatt attacccata agggncatct taattcattt tanggaatna nattcatgg 179

<210> 3950
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO__ 0122920A2_I_>

<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<400> 3950
ntaggcctac tactaaaggt ggaagtntta gaggttaaaa tggtgttcnt aaattagctg 60
tatacacaat cattgncatt tactttatga aanggtagga gatn 104

<210> 3951
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<400> 3951
gccccantgg accacctccc tttccctgag gcagggagcc cagagctggg tctgctggtg 60
cctggcctgc ggcagctgct tacacaacag tgcatcagca ggtgctccca gggcttctgg 120
gctcctgtga ccgctgcctc cccagtgctg catcgcccgt gggcacccag gggatggctg 180
tctggaatag aggcagcagg gtcctgcacg ctgttcatgt actatccgtc cgtggggcgt 240
gcagaacgtg ctgccggctc ttcctggctg cagccttctc cgacccagtc ctccagtgga 300
gggggggatc cntn 314

<210> 3952
<211> 157
<212> DNA
<213> Homo sapiens

<220>

BNSDOCID: <WO_ 0122920A2 I_>

<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 3952
ggataattat ggataatctt tgatcctaca ccagaactct gcaaattgtt tttttaaagg 60
ttaattacaa tgtggaattt gaaactatat caatgaactt gtactcttac attaaaagtc 120
attgctttac cttcaaaaaa aaaaaannan atnnaaa 157

<210> 3953
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<400> 3953
caanaacctc anactttagg taaaatcggt catcaagcat aatcccactg tgatnattca 60
nggtccaatt aaaaatttga cgnatgattc caaatgtgac gngaatgaga tcataaaggt 120
ctantatctc 130

<210> 3954
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<400> 3954
gccagcctct ctgtggtaca tcgtgtattg cacggagtcc cttttcttcc agagatcttc 60
cttgggagcc ttttcctccc gcgcgtcccg tctcggtgcc gccttttgct cccgcgcgtc 120
ccgtctctcc acgccgactt ttcctcccgc gcgtcccgtc tctccacgcc gccttttcct 180
cccgcgcgtc ccgnctcccc gccgcctttt gctcccgcgc gtcccgtctc cgcgccgact 240
tttcctcccg cgcgtcccgt gtccatgtct cctccttgta acatctggag agatttcctt 300
cactttgtgc ctttttctcc atcgattgat ttctttgttt tacgtttaac aattaaagnc 360
ttaatttcta agaanaaaaa aantancana aa 392

<210> 3955
<211> 138
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 3955
gggtncaata tttngttcat aagactgaac tcctgatggt gacttctaca acttgnatat 60
tcagacncga agangaccaa atattcatga aatactggct ntgtgctnat atctcctata 120
agtccgaata tgctgtga 138

<210> 3956
<211> 221
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<400> 3956
natagttgat acaagaattg tgaactcgtn tcatagatat acatacgaca tattggtcga 60
gatgctctaa ctgngcnata nggttgcact attgcagtga tcttgactag agtttanggg 120
gaagtaattg agatttcatc ggaatgcacg tanctatatt gttacatgga gaantctagt 180
gntccttgaa cnnttgtatc gcccccatta aaaaaaggaa t 221

<210> 3957
<211> 116
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 3957
ttacncaagt ggggggagaa taaatgttgt caggtcctgn gtctntcggc cattatgaac 60
atgtcatngc gtgcctcatg taccangagt ggaaacacaa tcacctgcct anttca 116

<210> 3958
<211> 126
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)

<223> n equals a,t,g, or c

<400> 3958
ngaaagctaa aaatgctant gagcggcatg atacgtgtga canttaacat gaagggttcc 60
acctgncaaa ctgtcatgna attcccgagt ggacccttg ccatntttgt tgggcncaac 120
ttgact 126

<210> 3959
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<400> 3959
gcaaaaccat atttaatttc caggttatct tgaacaaggg aaggaaagat gttaaagctt 60
tgttttcatg gcctgtgtga agctgttaca ggatgtttgt tgccagaaaa ggctggatgg 120
ttttaagaag atgggtcttt ctcttccctc ttatgcttca attntatttt gtaccccaca 180
gcttctcttg aacagcctct tctgatgttn ctaggtagna ggaaccttac aaatacattn 240
atatatatgn 250

<210> 3960
<211> 134
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<400> 3960
gaantntgct caatgatggg cctgtctaag attaccatag accatgcccg catctatggt 60
ggacccangn ttacacagga ggacccgtaa ttnaattgtc atataaggac tttaatggct 120
taaaaaaatt tngn 134

<210> 3961
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 3961
gataaaatgt acacccctna aaaaanaaaa taaaaanaaa aangtattaa tnaaaa 56

<210> 3962
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<400> 3962
gcgccgcccn cactcgccgc aggaccggcc cgcccggctc ccggggtgcg ccctcctcgg 60
tcccgcgccc tccgggctcg cagggacgtc tcctccctcc cggctcgcgg tcccgcccgg 120
nccggacncc gnccagagnc ccagcgcgnc 150

<210> 3963
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<400> 3963
gtgcgacaat tgcaagttaa ttanncncgg gggaaaagga taggacanat ccctggaccg 60
gtagagacta ggccacncca ttgcatagtc ttgtatgaag ctcgcaanac ttcgttcgct 120
aggcgagaac aagtggacgc ctcgttacac atgtacagca aaatgactgc tggtcaagng 180
atgaataagt gtntgagtaa cgcttgctgn nnacga 216

<210> 3964
<211> 149
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<400> 3964
ntacaaaang ggatatatat tatgaaatgg tcatttttnt gaananaata ttttgcttga 60
aatgcatagg actgaaagag atttgtatgt tgttgattaa tgtaacttca tactgnaact 120
tttaaaaana tttnatctgt aaanccntg 149

<210> 3965
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<400> 3965
tnaatgttta aatanttgag ggatgtgcct ttcnncttat gtcttgctgt atgtagtagt 60
atgtagtagt agcatgatta tatgaagntt caatatgcat taactaangg gatactcaaa 120
ngtaatatng aagaaanac 139

<210> 3966
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<400> 3966
ngggtgactc tttgnccatg tgaggtggta tattcncagg atnctgctgg caagagatgn 60
tattcctgcc cagtctatca aatgatctct gattctttac gtaatggggg ctnattn 117

<210> 3967
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<400> 3967
gacttgatga atgagagaca agaaagatag ttgcagantc atgtgctcat gaatgcatan 60
aacacntatc anaagcaaaa atggnttgaa gactttgaaa tact 104

<210> 3968
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 3968
gattttaagc tatttgagat tgcttttggg aagatcacta gatttatgga ggaattagtc 60
acaaatgact tgtagaaaat actgtcatat agttcatttc atcattttct gttgcaggaa 120
gccactccac cacagaatgc taatatgcca gtggtaccca gtacctcttg tatataggtt 180
attgcaaata ttgttctgaa atgcttaact tcagaattac atttttaaa gtaaataatt 240
gttttaaatc tattttgtaa agatataaag tacaatagaa tttctggagt acagattaaa 300
ctatttgcac taacacacgt gacgtgcatg atttaataaa ataactttac tctccctaaa 360
aaaaaaanaa anannnaa 378

<210> 3969
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 3969
ggtttaaaaa catttattgg ctgggtgtgg tatatnagat ttatnnaant ngatg 55

<210> 3970
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 3970
gaaacaatac ataanttnat tgaatctata actngnttta agttgatata atgcattgta 60
ttatatnttg aaacagaata aaag 84

<210> 3971
<211> 92
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 3971
gatttncttg agtcttgtac atagaaaggn agctgtcaat tnnaaatcag ttnttcagat 60
tttactgtgg aagcatattt aatgcacaca tt 92

<210> 3972
<211> 238
<212> DNA
<213> Homo sapiens

<400> 3972
ggcttttcaa tctatttaaa gtacagctct ttttcccttа tttctgattg tttactctgc 60
cattttcctt taattgtctt ctatatttgt tgaatgctta gcttactaat tttcacttta 120
aaaagaaagc atataaggtt acttatatga ttttttcctct gagaagtgct ttaatatcat 180
ggattccatt atgcaatatt ttcattatta taatttctaa ataatccaaa aaaaaaaa 238

<210> 3973
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 3973
gnaaacccca atgggaaata ccannagatn atacgcaaag ntggaccggt ccggaattcc 60
cgggtcgacc cacgcgtccg ggggcggggg tctatacttc atacccgccc taggccttgn 120
tgatgaaagt tncacacaga annagcanct ac 152

<210> 3974
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<400> 3974
cacacatgcc actatgagct ttnnnacncc agctgtgaag agactctgtg angcttgcgt 60
actgtttgca gacctctctc tgacatggcc ttggcaggct gttggaaggc atctagtgga 120
ngccgatnnc tncgaccact catacctten catgc 155

<210> 3975
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<400> 3975
ctggaactgn gctatcccct atgagggctc aatggaactn gangtctagg atgcagcctg 60
tncacttgcg accntgttta gagggggtgt acttgaattt 100

<210> 3976
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<400> 3976
gaacganggg acgtaacgga agcangttgg aacccgttgc cgtcgccnng aaccngggga 60
accagcg 67

<210> 3977
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<400> 3977
gcggangcgt gggcggacgc gtgggcggac gcgtgggcgg acgcgtggga aagagtttaa 60
gtgtctaaca aacttaaagc tactgtagta cctaaaaagt cagtgttgta catagcataa 120
aaactctgca gagaagtatt cccaataagg aaatagcatt gaaatgttaa atacaatttc 180
tgaaagttat gtttttttc tatcatctgg tataccattg ctttatttt ataaattatt 240
ttctcattgc cattggaata gatatctcag attgtgtaga tatgctattt aaataattta 300
tcaggaaata ctgcctgtag aagttagtat ttctattttt atataatgtt tgnacactga 360
atttaanaat tgntggtttt ntcntt 386

<210> 3978
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<400> 3978
ggctgcctgt acacctgctg cctacatctt cttggcaaca aagttacctg ccacaggctc 60
tgctgagcct agttcctggt cagtaataac tgaacagtgc attttggctt tggatgtgtc 120
tgtggacaag cttgctgagt ttctctacca tattctgagc acacggtctc ttttgttcta 180
acttcagctt cactgacact gggttgagca ctactgtatg tggagggttt ggtgattggg 240
aatggatggg gganagngan gaggacacac nan 273

<210> 3979
<211> 156
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<400> 3979
gtctgaaagg aggaattttc attttccttt aaagtgaaaa ggtaaaaact gcatttacta 60
aaccaggccg gtgggggctc tgtgagcccc tntgcacagg aagcctnaga gactctgcat 120
ggtgttcccg gngcatcctg gccaangtgg gagaan 156

<210> 3980
<211> 59
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 3980
gctcaaggtc tcctccttcc ctccccccccc ccccccgtnt atctttcant gtgnntnta 59

<210> 3981
<211> 82
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 3981
ggcaggggggg ncgctgcagg ccttagggga agaaccacgg gacanggtag aagacaaacg 60
ttgnattggg gcttcccttn na 82

<210> 3982
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<400> 3982
gcagatactt agatgtttat tgatatgaga ctatgtggtt aaaaaaccca agtatgtcca 60
tgtgtttctt ataaggtaca cttgaaacta gtgagtgttt gtcacatttc actttcatgg 120
tatataaaat gcagtttgca tatataactt gaatatctgg tactagtttt ttcacgcctg 180
caatcttgga gtctaggttg ccttgctctc ctatttttaa ataagtgaaa tttgggagat 240
tgtaaaatct gtaaagtttg ttttgtgaaa ataaaatgtt cacagtagaa aaaaan 296

<210> 3983
<211> 133
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<400> 3983
tctngaaaag ccntgcngga cttccccagg tacccctccg gaattcccgg gtcgacccac 60
gcgtccgccg cctcttnggg gctttaggcn ggcttgcccg cgctngggnt tcccncgtga 120
cagtggtgtg tgg 133

<210> 3984
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<400> 3984
gaaggannct tctnttggaa agccctnact atagggtaag ctggtacgcc tgcaggtacc 60
ggtccggaat tcccgggtcg acccacgcgt ccgggtggan ggataggaga aggtcctgag 120
tcagtgctgg gtggagggat aggagaaggt cctgagtgtg gactgggtgg agggatagga 180
gaaggtcctg agtgaggact gcatggaggg ataggagaag gtcctgagtg agtgcttggt 240
ggagggatag gagaaggtcc tgagtcagtg ctgggtggag ggataggaga aagtnctgag 300
tnaagtgctg ggtggaggga tagganaagg tcctgantgt ggactgggtg aaagggatag 360
gagaaggtnc tgagtgagga ctggggtgga gggataggag aaagtnctga gtgaggactt 420
gngtggagng ataggaaaag gntcttgaat ga 452

<210> 3985
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<400> 3985
naccggtccg gaattcccgg gtcgacccac gcgtcttgca aaantaaagg ggctacagaa 60
acactgattt ttangctgnn ccctcttggg cttcatgcaa agacaantnt gtgtaaatgn 120
acagaagact ctgatttgga aatatgaaaa tcagtncatn cttgntataa aaaatntttt 180
nacaatngta attatattga agntcatatt gngtaaaata actcatttaa taaaatagaa 240
ctttgattca cngacaaaaa aaaaaaaaaa gggctggnca gctctaaagg atccaagctt 300
acgtacnngt gnatgc 316

<210> 3986
<211> 57
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO__0122920A2_I_>

<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 3986
gctnaaggtc tnctccttcc ctccccccccc ccccccgttn tatntttang acaataa 57

<210> 3987
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<400> 3987
gcaccnaccg gtccggaatt cccgggtcga cccacgcgtc ntgaggtttt aagatgccgc 60
antaggattg gatgaatggg aaattntgct tgcnagcttt 100

<210> 3988
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 3988
antatctaag acacccagac ncatgcggnc tgtcccaaca gctgccgcac actaaatgnt 60
gaangagacg gcaccctgac caagtcagtt acagaaccgc tnagaatg 108

<210> 3989
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

BNSDOCID: <WO___0122920A2_I_>

<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 3989
tgagtctatg ctaatgaagc ctgtaacgcc ttgcaggccc attgggaagg agaanggncc 60
cagancatct gttaccccan aaacaggggc nctatatttg agcc 104

<210> 3990
<211> 85
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

BNSDOCID: <WO_ 0122920A2_I >

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 3990
gaagnccagn acaccattct tgtccttacc cagtttcctc gccctncacc cctccagctt 60
catgctcagn gtngtgctta ataaa 85

<210> 3991
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 3991
gcgccaagnt gtccnagctg gaggtcgtcc tgcatcagac ccaacaatga catggcccgn 60
canctt 66

<210> 3992
<211> 128
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 3992
ggaacccccn tatagggttg ggggacgctc ccnggcgccg gacggccaca ccgggacggc 60
ngacgcgaac ggcgcgtcca ntnctcaccc cgcgacgagg gcntgtgcgg gcagcaccca 120
gggaggtg 128

<210> 3993
<211> 144
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<400> 3993
tcnccccccta taggtttgcg ggacgncccg gaatncccgg gtcgacccac gcgtccgaca 60
ctcttgggct tacggttgcc aggaagcctt tcccctccag aagacttgcc tgttagggac 120
ctcgcctnnt ggggancntc cctn 144

<210> 3994
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<400> 3994
gctcgtgcaa tggngtgcgg gctggaaaga ttgctgcagc agggacatcg ctgcctcctg 60
gcttaatact tgaacatttt gnatatattt ctgtgtatat aattgatgtg cagnaccaat 120
gacaaaaata tggtgtcata atagaaccag nnnngtngat cttttagnta tgggctcaaa 180
gaatctattc atctctaaca tgatattgga aaataatgga tgaaaatagg naaaatgatn 240
gcaatgctga ctgagggtct taaaaggtnc tggaaagcag tangttcatt tntctaaaaa 300
ctataacatt ctggaggagt atnttcttcc ttacgtnaat acttttcctg cantatttga 360
aatngtgggc tggggagaaa cagt 384

<210> 3995
<211> 141
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<400> 3995
tgacnagngg acaagatcgg gntcanagaa aacgggcacg acagcaccag aacatggggg 60
aaatacgcca gattngagga ggccaagctg aatgaaaacg gagacgcagg atgaagaaca 120
cactgcagac canngagagn n 141

<210> 3996
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 3996
gatttctaac ccccttcct cctaatatgt ttatgtcata attttggcta gattagtgta 60
tacgatttac ataattatta ctctgtaaat gctttttatg atctctgagc catgtagtat 120
attatggcta tttttctttc ttatctattt gtatttttat tgttattacc taaaaaaaaa 180
ttttctatgt cttatcacta attcttccct aaaatttccc acaattgtgt aaacttacct 240
cagtatattc atagatatga gacattctat caattttacc ctcttaaaga tgcagagata 300
atgcattatg nttcatccca ccatctttaa tgagaagctt ccatcttaga ttaatattag 360
agaatgttaa aatactctgc aatcaggtaa nggacgcttg aaacttcatt ataatgnaaa 420
aggttttctt ttaacaccat aaatattttg aacccttttnt ggggncttgt attcatangg 480
agtttagaat ngacccttta ttacctattt tttaaa 516

<210> 3997
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<400> 3997
ggantaagaa aaagaaaaag aagagaaaga gtcagaagga acgtgataaa gaagtaagcg 60
atgatgag 68

<210> 3998
<211> 405
<212> DNA
<213> Homo sapiens

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 3998
ncgcctcacc ttggaancct tctnctatag gtnaagctgg tacgcctgca ggtaccggtc 60
cggaattccc gggtcgaccc acncgtccgc tctggtctcc cagcacctgg cccaggtaac 120
agncttctga aagcagagcc aagganctgc ntctctcttc tcccagttct acctccccag 180
aagccttcct ccccaggtgg ggctgatgga gcaagggtcc agactaggag ccttccaccc 240
cagntgtgtc tggcgccccc agatctctgc aagggaggtg ttacagctgg atctgagccg 300
cttgccttgt gatggtaaga caccaacctt tacattcttc cctgangttg tggctgacag 360
agcctgcttg gccccactcg tannccancg agctcctata tcana 405

<210> 3999
<211> 138
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<400> 3999
ncnctanagg aaagnttcgg actataggtc aagctggtac gcctgcnggt accggtccgg 60
aattcccggg tcgacccatt cgtccggatt tttccttttc ggatactagg ggatgaatng 120
ggaannntaaa gngaaaaa 138

<210> 4000
<211> 83
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<400> 4000
gggaatnttc aatttaaaaa tgagtaaatt canggncaga ttgaatgccg ttcagttttn 60
tggaatgaat gacattngca ggt 83

<210> 4001
<211> 154
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<400> 4001
gncatagtta caatgcaagt aaactggata ctagttcttt tgncagatnt gttaaatgca 60
tgcagaataa tatcntgaag agtattgatt gaagnttgtg atattcatca ataaaaatga 120
gntgataata tgcanaaaaa aaaagccant aaaa 154

<210> 4002
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (589)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (602)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (638)
<223> n equals a,t,g, or c

<400> 4002
gaaattatgc ggctgcacct tgccaggtac aatggtaagg aaaactaaag ggagatctag 60
aaaccagcct gacatattaa agagggcttc tgcagaggtg agcttagtct gaattatgga 120
agaactttcc aggcagatac aaatgcaaag gccctgcagt gtgaggagct aaccacacac 180
aaggatggag agcagttcat agtgactgga gcccagggtg cagctaagga gctggagagg 240
gggaaaggcc ataccaagga gagcctnatc caaagagttt ggaccattaa aggattctag 300
gaagttcaag ctggagacag caaggaagat gtattggaag tgggtgagag agggtatgga 360
agatggttaa gacactcttg gagtaatcaa atgaaaaata atgaaggtag aaactaaagc 420
agggataaaa aggatggcac tgactctaga ttgttgagtg aaatagatgg catttgggga 480
caatagatta cagtctaggg agaaggattt gagactagga taatttccca gtctcttaaa 540
tggtgangtg attggtgttg cccctgagta ccgaaaggaa gggaagttna ggaatgggat 600
cnnatttana cagttgggat attttgaatt tggatgtnta aggaaccc 648

<210> 4003
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (442)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 4003
gatttaaata ttggcttttt ccagtgagct attatgttta gtgtacagtg aaaagtttta 60
atattatagg ttaaaatttt cttaatcgtt cttttctatt cgcttgccaa gggtgaatga 120
aagaacatgg ctgcttctcc cagactgact gaccttggca tccgcataaa gcatcattgc 180
tttcaaaaat gaagggtgct taattgntcc cttttntcta tattctgtag gnctcatnac 240
ancaaactgc antctacagc ttcttaaagg tcagcgtgtt aacctaacat atnacacagc 300
aagaatctgg ntgtctgaac tattttaaat taaggagcca gatgttttta gtcaggctat 360
tctgaccaga cttgacctaa acttccnttt tattggcata acnggccaat ataattcttg 420
ggccaatttg gccaacngga cnagaaaaaa nc 452

<210> 4004
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<400> 4004
ggttgaaagt catggaacga ataaagtgtc agatttaggg ttaacatttg ggtctgtttg 60
actctaaagc ccatgttctt tctgctactt tctgttactt cttccctagt ctttaacagt 120
aatcgttcaa ctgtgattaa actttgcctc tctggaaaaa aaaananaan aaaaaaanna 180

<210> 4005
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<400> 4005
gaatagattg aaagcctctt agtgcaggaa gcaggcatca gtatcaaact gatgtcatcc 60
aatgtaatta ttttaagctc caggtttgtc taagtttggg tgaagaatgt tcaggaacat 120
gtttgcaaca tacagttatc cagcttaccc tttgacagat tcacccttct catcaaaata 180
cacagtaagc ccaacctaaa aattataagt ttacaaataa aggaatagaa aaacccaaaa 240
agctaatgta cacataaaaa ttatcttttg ctgcaataaa taggtatgga aatatttgta 300
gaattggttt aactgatttt gtaaaacaaa tgtcatgcta ttttgccata gtgagacatg 360
cagtagttct taaaatcaca ttaatagaag gcaagaacat tggaatcaga cttaacagat 420
acagattcag tgataatgac cattgactaa natacttagg aactnctgag aacngatgtn 480
tactgnctcc gtccaactga tgacttatgg gtatagataa tggattt 527

<210> 4006
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<400> 4006
gggaangccc ncaggtaccg gtccggaatt cccgggtcga cccacgcgtn cggttgtgtc 60
ctntagttga gtttctggcg cccctgcctg tgcccgnatg tgtgcctggc cgnagggcgg 120
ggctgggggc tgncgagcca ccatgcttgn ctgaagctt 159

<210> 4007
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<400> 4007
gtgnagggnt tngggaacgc ccccaggtac cggtccggaa ttcccgggtc gacccacgcg 60
tncgtatttt taaatttggg caacccttna gtgcaaggaa tnaaantagn actgatttga 120
cag 123

<210> 4008
<211> 142
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<400> 4008
gcttctannng gaacgctntg gataggnctt ntggggaacg tttcccggta ccggcccgga 60
attcccgggt cgacccacgc gtccgggatc aagacttgga accgcanaaa acgaaatccc 120
atagnagnac aaagnntggc tg 142

<210> 4009
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<400> 4009
actantggaa aggcctatng ggaaagtttc cccggaaccg ccccggaatt cccgggtcga 60
cccacgcgtn cggnttctcc tgtttctcct tntgctcctg accccacgtn cttgctcttg 120
gngccccctat tg 132

<210> 4010
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

BNSDOCID: <WO__ 0122920A2 I_>

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<400> 4010
actactttgn ttaggtggna ccgccccgca ggtaccggtc cggaattncc gggtcgaccc 60
acgcgtccgc ntntttattg gagcaatcca aaatagcagc tgnccaacaa tacaggaata 120
cagaagacag tttgaatcac actcattttt tctgaaattt tcaacttcat agaaaggcaa 180
ttgagtttag aatagagagg tatttgtgtc atgatgaata accatgatct catccataaa 240
aagaaggcca tatggtcttt cagacaagaa agaattgtat acctgaaatt aagtacaaag 300

cagtatacaa ataaatagtt gagggaagaa atcagtgaga gttaaaatag taattataaa 360
gtggtgagat tgttttcagt ctcattgtna tactgnttac cattaacacg ggccataaat 420
gnatataaat gttgagtttt agaaagatgt ataatatgta ttattttaca tccttttaac 480
atatgtatat gtttcaagtg ntnanccaat ttatatnggg tgcaanca 528

<210> 4011
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<400> 4011
gccccgtacc ggtccggaat taccgggtng gacccacgcg tccggcacan ttnntctnac 60
gcccgaattc aaatcctgta aggatggaag aaacggcctg gagaatattc gggatgagac 120
accacttgta ttttgatcna atcagacctn tttgacctnn anttacaggg caagattctt 180
aatgaaaaaa gaggttcaga gatgatgana nagacacgat atttggactt tctgtgggcn 240
atnacttgtg aaacgtccat tcnaactg 268

<210> 4012
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<400> 4012
gggtggtttt gccttttttt atttgggagt ttatttttta ttttcttctt gacctacccc 60
ttccctcctt taagtgttga ggattttctg tttagtgatt ccctgaccca gtttcaaaca 120
gagccatctt ttacagatta ttttggagtt ttagttgttt taaacctaac tcaacaaccc 180
tttatgtgat tcctgagagc agtatgaggc ctgcaagaaa gtgatcatat aattgtatct 240
tcactttctt tttatttttg tattacattg ggatgcattg tcatgcatat tttttgtaga 300
ataaattctc ctttgctata aaaaaaanaa natnanatna 340

<210> 4013
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<400> 4013
gggaaatttt ggcggtggta actatggtgg tggtgggaac tataatgatt ttggaaatta 60
tagtggacaa cagcaatcaa attatggacc catgaaaggg ggcagttttg gtggaagaag 120
ctcgggcagt ccctatggtg gtggttatgg atctggtggt ggaagtggtg gatatggtag 180
cagaaggttc taaaaacagc agaaaagggc tacagttctt agcaggagag agagcgagga 240
gttgtcagga aagctgcagg ttactttgag acagtcgtnc caaatgcatt anaggaactg 300
taaaaatctg ccacagangg aacgatgatc catantcaga aaagtactgc agcttaaaca 360
ggaaaccctt cttgntcang actgt 385

<210> 4014
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<400> 4014

ggacagaatg tgctgcantg tttctgatcc aatgattcaa gtaatgtcat caagaacctt 60
gngaacccgc ctncacaccc cacccccttt tcaaccacaa cattggcatc atnctaaggc 120
tggctaccct cgtggtcatg ggatgattgc cagtagcagt tggagccttg tgcatnttca 180
tttacatgca ncggaagagt caggctggat tctaggggcc ctgtnntaat atganaangc 240
ttttcccagg aatttactgg ttcatatcct taggtctcat tgctctatag taacttagac 300
ctgtcatcct ganccantcn ctggcaaagg gnctagaata acctttaagg cng 353

<210> 4015
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 4015
gctcaaggtc tcctccttcc ctcccccccc ccccccgtga gannctttta aaaataaana 60
antgtan 67

<210> 4016
<211> 92
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 4016
gagccantag aattgtgctt tgtgatccag ggctcttggn cagaacagcc ttctngctca 60
ttaactcagt caaccaaatg cttnctgngt tt 92

<210> 4017
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (86)
<223> n equals a,t,g, or c

<400> 4017
tacctnactg ctgctgtcgc aactccctgg tcnggactct gatgtncagt cggatggatg 60
gggaatatan cattgaactg tgttgnttac cttcactatt cgg 103

<210> 4018
<211> 227
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<400> 4018
tcgcttgcgg taccgtgccg gnaccggtcc ggaattcccg gntcgaccca cgcgtncggc 60
ccttcctcca ttgttgccct ggaatgtacg ggacccaggg gcagcagcaa gtccangtgc 120
cacaggcatc cctgggacat atgaagctgg gagcaaggaa agggtcttag tcnctgnctn 180
ccgaanttgc ttgaaagcac ttgganaatt gtgcacgtgt catttat 227

<210> 4019
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<400> 4019
ncctaactct atgtgcacct ggagtangat aatnaaaatc ctgantgctc tctttgcctt 60
ggtcctgttc tcaatggtga cgactgccac cacnacatgc n 101

<210> 4020
<211> 107
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 4020
tacaanaata tgagtaagcg gagcgactcg gttaagggaa agcaccgata tnactcggct 60
ttctgctgnc nttcgtggca gagggactcg gaatnatgca ctntaag 107

<210> 4021
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<400> 4021
gtatnacatt anatctacaa nacttccatt nattaggaag cacattaacc atttntatag 60
catgatatct taaagatgga ggcaaaagga tataaattct ataatngact tgagnacttt 120
aanccttgt 129

<210> 4022
<211> 57
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 4022
gctcaaggtc tcctccttcc ctccccccccc ccncacgtat tcanagnggg ngncttg 57

<210> 4023
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<400> 4023

tatntggnac nccngcccgt accggtccgg aattnccggg tcgacccacg cgtccgattt 60
tgtcctacct gcattctgta aaaattgaaa aaagaacaat tgaatccatc attgggcaga 120
tgaataaaag gagataagga tgaaattaaa ataaggttct aatcctaaaa aaaaaaaaaa 180

<210> 4024
<211> 347
<212> DNA
<213> Homo sapiens

<400> 4024
gcaaatatta agaaggttta ccactcatag atccttacta aaagagatat tataggatgt 60
tctttaggaa gaaaaaataa atactggagg aaagagtagg ttaaaaaata acaagaaaac 120
ataaagtata attcattatt tttcgtaaaa aatatttttc ttacaaatgg taaaactaaa 180
tctctagcca tcaataataa gatgggtgct attttacggg tagtaaaagc atgataaagt 240
ctttagtaag ttagggaaaa gaccaaaatt aggaaatgat tctgtacagt attaaaaaaa 300
gacataaata tatatgtcaa agtgttaagg ataactagta aaaaaaa 347

<210> 4025
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<400> 4025
ggccaaggta tttcttgtgc ttttgggatc ttatgctgtt tgnaaaatgt tactgtccaa 60
tgttggatta ttgttttggt ttcaggcatt tgctgaatag gtgatgatac atgggtattt 120
ttctgcaagt atttaaacca ggggcatatg caaaggcagt tgtaatttcc tcttggaaaa 180
agcgccaaat gtttgaaggt taaaatcaaa tgctagggtt gatatttagg cttataacaa 240
aataggcttg ttttcaaagc agtttttttcc tagagtttta actgttaact cactagtttg 300
ctgctgtttt taactatgtt aaataacata tggtatttgg caaatagatt tatttttcaa 360
aatgaaaaan aaaaa 375

<210> 4026
<211> 121
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 4026
ccgggtngac ccacgcnngc cggccgagct gatctgtaaa ncgctcagga ataagtanta 60
cgaggggggg gatgggtgta agacaattgg cccggggaga aagagggnct gannaaacgg 120
a 121

<210> 4027
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<400> 4027
nngaaacact gtctatanta acggactgga ccgtatgacg ggngctaacc cgggccacgg 60
tgtagagacn atgctactcg atgacgctgt gagaccggac taaatgggag tggagaacgg 120
gttagggtgg acgcttgaag atgagcatta tatcacaaca cngtaatgaa acctggtgcc 180
catgnngacc cgaagacttg tntcttcagc atgcatgggc cttcnaata 229

<210> 4028

BNSDOCID: <WO___0122920A2_I_>

<211> 72
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 4028
gttggaatgc gntcggagca cttgctctga ggaanaccat agtgactctg tcgaagaaga 60
atccggncnc an 72

<210> 4029
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (590)
<223> n equals a,t,g, or c

<400> 4029
gctgaaatgc atngtgcttt catcaatgaa ccttttcaaa cttttctatg attgcagaga 60
agctttttat atacccagca taacttggaa acaggtatct gacctattct tatttagtta 120
acacaagtgt gattaatttg atttctttaa ttccttattg aatcttatgt gatatgattt 180
tctggattta cagaacatta ncacatgtac cttgtgcctc ccattcaagt gaagttataa 240
tttacactga ggggtttcaa aattcgacta gaagtggaga tatatnattt atttatgcac 300
tgtactggat tttatattgc tgnttaaaac ttttaagctg gcctcactta ttaaagcaca 360
aaatgtttta cctactcctt atttacgacg caattaaaat acatcaatag atttttaggc 420
tgaattaatt tgaaagcaca atttgctgtt ctcaccattc tttcaaggct tttcattgtc 480
aaaggtaata aaaaaggtag gacaattaaa gtgaaaaaaa aaaaaaaagg gcgggccgtc 540
tagaggatcc aagcttacgt acgccgtgca tgcgacntna tannctcttn tatag 595

<210> 4030
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<400> 4030
ctccccangg tccttatgca catgtggact gcactgaaaa gngccnttgg attgaatcat 60
natgatctat gagaggcatc catcctggat ttggaanagc tcaaatcnga agttaccag 119

<210> 4031
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

BNSDOCID: <WO_ 0122920A2_I_>

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (518)
<223> n equals a,t,g, or c

<400> 4031
ctccgactta cttttaggga accgctggta cgcctgcagg taccggtccg gaattcccgg 60
gtcgactcat ncgtccggag caaactgctc agcgcgtctc agctcagtgc cgaggaggag 120
gaagaaaaac aggccgagtg aaggtgctgg aaagggaggg aggacgcgag gggaaaggcc 180
tgtggggagc cacgggcgtc agagagaccc gggaaggaag gctctcgggt gggggagcca 240
ggagacctgc tctccggcgc agacaggcgg ggcccagcgc tctcctggac gcccccgccc 300
gcacagctcc cggcgggtgc tctgaggcct cactactcga gcccacccag catcccgcgc 360
gcccttcctt cccgaggaac tcgcctcagc ctgatcaggc ttcctggtga gaactganga 420
gcggactcac ttgatgtttc ctggaagcag agcaaaatgc tcttgtcctt gtcgcgtctt 480
nattttgccc atgtcccccc gtgcancngg ttcnattngg tt 522

<210> 4032
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 4032
gccagaanct gcagatccag aatgttcaaa gaaagagccc tccttgcctt cctnttcttc 60
caccccctgcc ctctgcagac tggggttctg tanacccnca aagtaagtcc gccacaccgg 120
aaggaagtga gttacacagg ggcccacatg ggaaccgctt tttgtcctgt cttggtggga 180
aaatggccac gaccccagcc caggctctgc cacgccacaa ctccacgggc atagcctgtg 240
aggccgcagc gtgaactgtg actagggctg aggatggtgc catggtaaaa gtganggcct 300
ggcacccngt caantgcatg aattcttngn agtggggttg ggaaaaacac ct 352

<210> 4033
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 4033
gcaggtaccc ggtccggaat tcccgggtcg acccacgcgt tcggcgctta tcagcatccn 60
gtgacngncg gtgctgcngn ctaacacaca cctaatgaca gacaccaaca gccatacgct 120
tggggagccc gg 132

<210> 4034
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<400> 4034
ggaaatccct taagctggtt cgcctgnagg naccggnccg gaattcccgg gncgacccac 60
gcgtccgaaa gatagcaang ataatagcgg tggagaccca ccngcacaaa tgcacccaag 120
agacaagcca tttacataca gatattnaca gtcacacata gaaacaccca catggacaca 180
aggaatgttg ctgcanagac tgaatgacat gcaacangtg aaggnttata cggtatacac 240
aangccaggt aagcgctcat aaatcacana caata 275

<210> 4035
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 4035
gaannntcnt cgggaanacc cctactatag gtaacgctgg tacgcctgca ggtaccggtc 60
cggaattccc gggtcgaccc acgcgttcgc ttattgattc cagacccatt tcagcagact 120

BNSDOCID: <WO___0122920A2_I_>

gtgacacttc agcgacctgc aaattctaca cattagagtn catattttat acaaactncg 180
tacacctaag atgtggactn aacatttcta cnaacaacat ccaacttcaa caaaagatgc 240
ang 243

<210> 4036
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 4036
gcttanttag tctggctcaa gtactttgtt tacaatnaaa atggatatta tagcatttaa 60

tagaagaaat ggntatggct tatccaaaaa gaatgtcagc atgacctggt gtagacttaa 120
aaaactacat gtttgtgaat attttataat gtggaatgat cattgaaata ttnaggattn 180
tangtaattg tatttcctga ataaacgtat gttcatgaat tttctaactt acatcttgta 240
gtgnnctctg c 251

<210> 4037
<211> 175
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<400> 4037
ttggaaanan cncactatan ggttaagctg gtacgcctgc aggtaccggt ccggaattnc 60
cgggtcgacc cacgcgttcc gcgaccgacc ttcagcaggg ntgaggntac catgttctct 120
cgcgcgggta gncactgggc atgncnagtc tggacctttg cagagcgcaa atgga 175

<210> 4038
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 4038
gcccggngtt ttcanntatt ctgcattnac gttgaccatt ttaccaagat gataaaacat 60
gcattatttt ctccatttta taatttttac agggggaaca gcgaagccag atgatttatt 120
agttattgcc ggtganaata caganatcct ttgaaacatt tgtctctnct agaattctca 180
tcanaccata tgcttctaac acagcactta acagtcatgg ggagtatgtg ggantaacan 240
atactcgntt ccctgccana accacacata cacccacaca cttgaaanaa aaa 293

<210> 4039
<211> 87
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 4039
gaattntaag aagacaatca agttttatta gaaacaaaaa ccatgttgga agaccaacta 60
gagggaactc gtgccttata nnattna 87

<210> 4040
<211> 59
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 4040
gnaaaatntn tgtgantaaa ttctctcttt gatcaataaa aaaaaaaaag gggcggncg 59

<210> 4041
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 4041
aaaaaaatac gngggnaaaa agccccaant ttttggggaa aaaaaccccc gcnccttggg 60
aaacnttaat taagggggcg ggaaaaaggc cctggggggt gaac 104

<210> 4042
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<400> 4042
gagcctgaat aaaaacagaa atggacacat aatatgcata ttccatagtc tttgggaggc 60
tggaatgtgc ctgggatttg ggtctaagtg tatgcgtaat tcttacctca ctaaagaatt 120
tgccttgttt ttttcctttt ggtgagtgac taaaacgtct gggcttccct gtgtgcgtgc 180
tacagtaagc aagcagaggc tgtgcaaagg tgtgagcagg atcacgtgga atctggagga 240
tacatcttgg cttgcaaact gcctctgtct cctgngtggg actgttctgt ccttgcactg 300
ctgnnctgtg gttacctctt ggggtgtaag gttttgctta canggaacat actttgggcg 360
tanaatggat ccattgccaa ntctctgtgc tnagaaagaa aggtgcttcn gtt 413

<210> 4043
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<400> 4043
tttcaccaag gagctatacn tgggccaaga cccggatact tatccgtttt naccttgnac 60
cctggaaatt gaatggnacg gaccctgatg antttcatta tgattgggca cg 112

<210> 4044
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<400> 4044
ggttgcacat gattgtntaa gcatgctttc tttgagtttt aaatgggggn ntagg 55

<210> 4045
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<400> 4045
ggctcagaac naaagatnag caaaaaaagt cttcagggta ggactgccaa catataggac 60
tttgtaatgc catcttcttt atatttctgg gacattaaaa ttcaaatctc tgttgaaaat 120
gaaaaatgta aaacttagtt gcaaacagta taganaataa gtgatgatga aatatttgtt 180
ttcatacaaa catgctttcc cattctaaat agatgctann tttctttttt ccttggctgt 240
aaataaaagt gccccaaatg anaaacnaan naaaagggcg gncgctctan aggatccaag 300
cttacgtacg cngtgcatgc nacgtcatag ctcttctata ggtgtccacc taaattcaat 360
tcactgggcc gntc 374

<210> 4046
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 4046

gggggaagtt ggaaaaaaat gntattttta aattatggng ccccntaaca tng 53

<210> 4047
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<400> 4047
gganaatttc acattaatat ttgctgacag ctgacctttg tcatctttct tctattttat 60
tccctttcac aaaattttat tcctatatag tttattgaca ataatttcag gttttgtaaa 120
gatgccgggt tttatatttt tatagacaaa taataagcaa agggagcact gggttgactt 180
tcaggtacta aatacctcaa cctatggtat aatggttgac tgggtttctc tgtatagtac 240
tgncatggta cggagatgtt tcacgaagtt tgttcatcag actcctgtgc aactttccca 300
atgtggccta aaaatgcaac ttntttttat tttcttttgt aaatgtttag gttttttgt 360
atagtaaaag tgataatttc tggaattaga aaanantcga ncn 403

BNSDOCID: <WO__0122920A2 I >

<210> 4048
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<400> 4048
gntctgntgg aaagggccag gcactcagaa gtatcccatg cttgaaattc ttaattttat 60
ctttgaattt gtgtttttta agtgaagtcc aatgggacag gttctcagtt gccctggccc 120
actcgagctg ccctggggct tctccctacc ctccctgatc ccactcttgc ccaggcagcg 180
ttgggattgc accctccgaa tctcagggca gggtggctgg taccacagca cattaggcag 240
gcaagtgggc aggggcctct cacctgtccc atccctgcag ggaagttgca atccattagg 300

gctgtagtaa cggggagtct gacttctgtg ctctgctcca ggccgggaat tttgcactgg 360
gccttgtaaa tcatgtanat ggcacagggt gatgagtacc attattatcc ctattttata 420
aagagagtat taaagagaag taacttnacc aactgcaaaa atgtctatac atatatccca 480
natggattta aaaaactang cccggccatg ggtngnctca aacctggaaa tccca 535

<210> 4049
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 4049
cgncncaccg ggccggaatt cccgggtcga cccacgcgnc cggaaaaaaa aaacattctg 60
cgaatgaaat atngnatggg gagaggttat aaaagacatt ngnaaaagcc caatttacag 120
ccg 123

<210> 4050

<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<400> 4050
gaaatgcttt ctaactgggc ccccaactcc gcaccccagt tcgcagtgag gccctgggtg 60
ggtcacctgc cctctctgga cttgtttctt caactggagg aggtccctgc ctatgctgac 120
attccattgt agaaaaatgg ggcctctggt gtctctttac caggggcaag tgcctctctg 180
cgggggagga aaagctnaag gttanctgtc ttaacccaan tgacttacca ggcctacnaa 240
atgagtcant tc 252

<210> 4051
<211> 282
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<400> 4051
gcacaaaact gattttaaaa tcaagttaat gtgaattttg aaaattacta cttaatccta 60
attcacaata acaatggcat taaggtttga cttgagttgg ntcttagtat tattnatggt 120
anataggctn ttaccacttg caaataactg gccacatcat taatgactga cttcccagta 180
aggctctcta aggggtaagt ctgangatcc acangatttg agatgctaag gccccanaga 240
tcgtnngatc caacctctt attttcagag gggaaaatgg gg 282

<210> 4052
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<400> 4052
gatgcccact cactttaggg aaagctngta cgcctgcagg taccggtccg gaattcccgg 60
gtttgaccca cgntttcggc aaagcaaccc cctgcttatn cacgnggaca ccaaggcggn 120
ccacggngcg gggaagccca cag 143

<210> 4053
<211> 131
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 4053
acccactact atttggnaag ctggcccgcc tgcaggtacc ggtccggaat tcccgggtcg 60
acccacgcgt ttgctgagat gagggtctta gcctacaggg ntttttgaaa tgaaaggagc 120
tnagntannt a 131

<210> 4054
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<400> 4054

gcaacttaga agaaatcatt tagtgactta attctttcta aagatgaaat gggattgttt 60
tttactcgtc ttccttgtta aatcattatt taagccgttc ttattgacca attcctgaca 120
cttgattgtc tcctaatgct ttatccatca ccacctgggc tcctgcatcc tcactgtgga 180
atcaggcacc agccacataa tgttccagac aaagcctgga agggtgtgga cccagacgtg 240
gagtggagtg attctcttga cgtttacata tatctctgtg tctctccatc attccaaagc 300
taaatgtaca tgtttagaat aacttatttt ataaactctt cgggagacat gttgagattt 360
gaccgtaatg aangcccatt ttcctgaaaa aaanaannnt 400

<210> 4055
<211> 156
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)

<223> n equals a,t,g, or c

<400> 4055
ggccnaccaa ccggttttgg ttggcncggc ccggcttggt ggggcctctt aaaggngccc 60
ttaacccaac ccctttttcaa ngaaaagttc naaccctggt ggggcnaana tggttgggcc 120
ttacccccttg gccnaatgcc gccaatgaag aaaagg 156

<210> 4056
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<400> 4056
gggacctgga gcccatcccg ggagccttgg acgctgtgcg ggagatgaac gacctaccgg 60
agtaaggaga gaggggggcg ggcggagtcc tgggcgggct cctggctccc ggcggtaacc 120
gcgtccttct ccgcagcacg caggtcttca tctgcaccag ccccctgctg aagtaccacc 180

actgtgtggg tgagaagtac cgctgggtgg agcagcacct ggggccccag ttcgtanaac 240
gaattatcct gacaagggac aagacngtgg tcttggggga cctgctcatt gatgacaang 300
acacagttng aggccangag gatgacccca agctgggagc acatcttgtt tacctgctgn 360
cacaatcggn acct 374

<210> 4057
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<400> 4057
ggacgcgtgg gcggccgtga agtagcgttg gatgcgtgtg cctgtgtgtg tctggggtgg 60
gggtgagggg cgcgccgggc cgcgtgctcn agtagaaggg gccggagggc ggngagcggt 120
tcggcgtggt catcctggac cctgggggct ggcngggcgg cgtgtgcngt ctnggagggn 180
ccgaggcggt gga 193

<210> 4058
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<400> 4058
gatttctgga atggatttaa taggctgtgt ctaatgtaca aactgggtga gtcctgcctt 60
antgtgtcct gccccaccgg tacgcttcca ggatactntt ttcccctctg taaagatcac 120
tttcttctga tggccagtgt nantatgatg tcagtnaggt ctggggatga tgacagtggg 180
tnctgaaatt cacaggactg actcctcacc ccagtgcacg angattnctg tggcangacg 240
gtgctgctgt acctggngta ggancctaat catngaacca tcngctgtta cctcacatct 300
ctatgctaca gaacatatca tgtctcaaga aggatttggt ggang 345

<210> 4059
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<400> 4059
ggtgagtatt aaatatttca gaagtgtgaa tttcatgtat ttgagctcct ctagttgctg 60
tcggtttttc ttctgctgcc aacctgtgac tcacaaatga ctaggatctc ttgttcttta 120
attttagggt cttgttccag gactcaaatc agtaacttgg tgattacaag gtgctgaatg 180
tgttggtaac catatcgcaa tacacctcaa ggaaaaggtt cagattttta tttttaaaat 240
attttcattt ttttcttgaa ttntatatcc gtttgttcac tcgtacatgc ctagcctaca 300
naaggggata tatattatga aatggtcatt tttctgaaga gaatattttg cttgaaatgc 360
naaggactga aagagatttg tangttngnt gattttg 397

<210> 4060
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<400> 4060
ttcggctgcc tgtacacctg ctgcctacat cttcttggca acaaagttac ctgccacagg 60
ctctgctgan cctatgtcct ggtcagtaat aactgaacag ttgcattctt ggctttggat 120
gctgtctgcg gacaatcttg ctgaggatct ctaccatatt ctgagcacac ggtntntttt 180
gntctaactt nan 193

<210> 4061
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 4061
gattggcaca tgggtggaca cggatctgct gggctctgcc ttaaacacac attgcagctt 60
caacttttct ctttagtgtt ctgtttgaaa ctaatactta ccgagtcaga ctttgtgttc 120
atttcatttc agggtcttgg ctgcctgtgg gcttncccag gtggcctgta ggtgngcaaa 180
gggaagtaac anacacacga tgttgtcaag gatggttttg ggactagagg ctcagttggt 240
gggagagatc cctgnagaac ccaccnacca naacgtggtt tgnctgaggc tgtnactgag 300
agaaagattc tggggc 316

<210> 4062
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<400> 4062
gggaaaaaag ggccttgggg tttatccgtc tccttggcca agggggttaa tcnccgnggt 60
tctcnggggg aaaatatttc ncnccggggg ggttctgtat ctc 103

<210> 4063
<211> 158
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<400> 4063
aatggcaaca cacaggaact ttgattagga aaacttgggc caggcacagg cagaagtcac 60
ttttcattca tccttgccaa cgtgtganct tcagaagant ggaaatgatg gactatcaac 120
accttcngcc tacgactcaa ataanaantt gatgactt 158

<210> 4064
<211> 74
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 4064
ttttgggaaa aagccccccn ntttttgggg ggaaaaaaat ccccnggaac ttgcaaacgt 60
gantttttg nggg 74

<210> 4065
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 4065
gctagaggag tttgtatcaa tttgtgagta ttaatgtcan gtnctaccag cactttgcca 60
aaactgtcan agggacccgt ttctanagtg agtcccantt acat 104

<210> 4066
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 4066
gctcaaggtc tcctccttcc ctccccccccc ccccccgtca tatcttttnt tngtttttt 60
aaanttagga 70

<210> 4067
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<400> 4067
gcggtttctg gntccgacgg tagtgggtag nggntctcgg gttgcgggtt gca 53

<210> 4068
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<400> 4068
ccngtgaaat tanngctntt ggggacatga aatatatgga gngataaatt atagaacaca 60
gtattccaag aataaagtac tcttgaggtt ccttcctgat tcaccctggg gtacacacag 120
gtgcatactc cctgcctctc acccatccag agaaaacnct ttgcantgac tcangtccaa 180

nagcactgct cttgggtgga an 202

<210> 4069
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 4069
ggtttatgga ttttaaaag tctcattagc aatgatttct gagttttaaa caatttgtgt 60
gtatgaatga acttccggca tttgggaaac ttaatctgct ccatggatat aattgtaatt 120
gttttacatg ggaatttaat acaaacctaa caatcaaatc cctctcatta aattttacat 180
tcattcacta taaatggact agattttaaa actcagaaac ctaaaaataa gatgaagtta 240
gacaacttta gattttgtgt ggtgtgtaca tctatgtgca cagnatgtaa attatctttt 300
attggattgc ttaatagaat aaanaagtan aaatttaatt cctgngng 348

<210> 4070
<211> 115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<400> 4070
agagnccaaa aaggccacgg gataaacgga cacccgacaa gagataaaca cagagataca 60
cagggaaaaa natanacaca gagagataca gaacncncaa ccggcagata nacag 115

<210> 4071
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)

<223> n equals a,t,g, or c

<400> 4071
gatggaagta atttagattt ggaanantca tacataaaat gattntagtn ca 52

<210> 4072
<211> 89
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<400> 4072
gctcttcctc tcaggcgggc agggcttggg cagcggcctg agtctcagcg gacttgncga 60
ccctcgagtt gaatcggntt gnngagcng 89

<210> 4073
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO__ 0122920A2_I_ >

<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 4073
gcaggtaccg gtccggaatt cccgggtnga cccacgcgtc cgnaaaagct tcgagctgtt 60
gcgggngtga gtntgttntg ttgatgacca atggggaaaa 100

<210> 4074
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<400> 4074
ggtgttgctt ttacggncan agctgactnt gttgaggntg angttaaaag tg 52

<210> 4075
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (234)
<223> n equals a,t,g, or c

<400> 4075
cctacaaacn ccatggtaat ncnactacaa cagggaaagc tggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cgctccccca atgcaggcca cttctcctcc 120
ctcctctcta aatgtantcc cctctcctcc atctaaaggc aacattcctt acccattant 180
ctnagaaatt gtcttaagca acagccccaa ntgctggctg cccccancca agcnttgggg 240
ccgccatcct gcctgg 256

<210> 4076
<211> 171
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<400> 4076
cttcaggagg aagcacattt aaatcatctt tcaagcactn tatttttttn gtncannaat 60
tcaaccttat tgatagaaga gaacttgcac cactccaaga actgattgaa aaactcacnt 120
canaagacag ataaaaggat gcanagcttn tgcaaattgg tcctnaaatg a 171

<210> 4077
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO___0122920A2_I_>

<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<400> 4077
ggtcagncaa nngagtcaag atttaagttt acaagaggct gaaactgagc aatcagatac 60
tttagataat aaagaagctg tcatcctaan ggaaaaacct ccatctggac gccagacacc 120
gcagccttta aggcatcant cttacatctt ggcagtaaat gaccaggana ccangtcaga 180
cactacctgc tggctgncca atgatgcacg tcagaggtcc acataataag aatggaggaa 240
agaaaagcct cgagtccaat cccgctggcg antctttgnc ttncatccca tttatagagt 300
cctctgatgn ccagnctgga gtgcaattgg c 331

<210> 4078
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<400> 4078

aggganaagn tggnacgccn gcaggtaccg gtccggaatt ccngggtcga cccacgcgtc 60
cggaggagcc gggctgatgc ggggctgctc agggcaggcc cnagggcgag ctngccatng 120
aggccaggca gcctncacct gtgctncagt gg 152

<210> 4079
<211> 166
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 4079
gatgnccant tgggncngaa ttccngggtc gacccacgcg tccggtactc cctaaatttt 60
ttaaaataca tataaatgct tgacattatt atacatgtaa gtggaataga aatagaaaca 120
gaaaataaat gcttcaaggt gttttacacc ntgaaaaaan aantnn 166

<210> 4080
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<400> 4080
ccgtaccggt ccggaattcc cgggtcgacc cacgcgtccg ggatatctng ggggccatta 60
gncagcctgc tatnaccatc agtcagcngg atntaatcaa 100

<210> 4081
<211> 136
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<400> 4081
tgactgnaat gaaaagaacg nggccttttt gcaacgcttg aacctgagat caaggntgtc 60
attgagcanc ttnaacctgg gcaccaccct gggttgcaac ttgcaaaaaa ccttcggatt 120
tgggggatgg gnnacc 136

<210> 4082
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<400> 4082
ggancttgta ctggnnggtc tccctgcncg tactcggncc ggaattcccg ggtcgaccca 60
cgcgtccgaa gaagcgaaat tttattctgg atcagacaaa tgtgtctgct tgcttgccca 120
gaaggagaaa aatgngcctg tnttcaggct ttccnncgaa aacttgttgg aagttggcca 180
aaagatgaag actattgcna aagacccagn ataaacntaa ttnaagggaa agactaccan 240
acatgcggtc ttaaaatgaa aggaactttc ctccaaa 277

<210> 4083
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 4083
ggncgnggaa cttctaacgg gaanactcct atagggaant ctggtacgcc tgccngtacc 60
ggtccggaat tcccgggtcg acccacgcgt ccgcaaatta ttagtgtata actctgaatt 120
gaatttagat ctctttgatt ccaaggcttg ggatcttaca tgccccttta ttaggtagga 180
atagatactt catgaagatg ataacatgcc atctacagaa tatgatatgg cattgatgtg 240
acactttacc tacaaaatat cttatttctg agtcttccgc aagagaaaaa gcaattttat 300
ttttatggga caagattgga tgntacattt ttaatcaatt acatgnaagt gtattctacc 360
tttaaaattg ctatggaaaa gtttaattat ttccaacagg anttatnact atcan 415

<210> 4084
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<400> 4084
tcaacnggca cggctcccng tttagnanct ggcccgcctg cangtaccgg tccggaattc 60
ccgggtcgac ccacgcgtcc ggccccgcag ctcctccggg agcccgctgg taactcgcgt 120
ccctcgcgct tctccggcgc ctgaggggcc cgcctcgggc catggtgctc tcccaggagg 180
agccggactc cgcgcggggc acgagcgagg cgcagccgct cggccccgcg cccacggggg 240
ccgctccgcc gcccggcccg ggaccctcgg acagccccga ggcggctgnc nagaangngg 300
ang 303

<210> 4085
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<400> 4085
gnaaagttct tatgntagta tacatataaa tatcagtgtt ctgacatgta agaaaatgnt 60
acggtatcac acttatattt tatgaacatt gnactggtgc tntaatatga gcttnantat 120
aa 122

<210> 4086
<211> 148
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<400> 4086
catgcagaga atatnctgaa gaantnaagc gtgactgctg gcgaactgtg acacgggtga 60
gctcgatcac atcnctctca tacatcattc attnaagcat ttctttagcc cacggatcca 120
gacccaantg ctntgtatgt gnagatac 148

<210> 4087
<211> 177
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<400> 4087
cggcccggaa ttcccgggtc gacccacgcg tncggtagga gtcaatgatn acatcctagt 60
nttaacaagn tacagataat cgctgactgg catgtngtct gcttctagct tggagctaaa 120
tgctgctcat gctgaaaaga ataatgncta tntctttgnn tgggtattag ctctatt 177

<210> 4088
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<400> 4088
tcactatatn tgagggcang gncncctgca ggtaccggtc cggaattccc gggtcgaccc 60
acgcgtccgg anttaggtct attaggataa ttaggagttt gancccatca acactattct 120
tgtagcagtt aggaatcttg agctattttt ttctcatacg attactatag tccagtttac 180

caaagttttc tttagatgtc tgataatctt gagatgattg cttaccttaa aaggtataga 240
aaggatcact taaatatatg gaaaaatgaa ataagggtga agctgaataa agnnctactt 300
actgnattaa aaaaaan 317

<210> 4089
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<400> 4089
nagttcactg aaaactttta ctatatttga gcgctggtnc cctgcaggta ccggtccgga 60
attcccgggt cgacccacgc gtccgatggt gtcatttttc ctgcagagaa atttaatctt 120
tcactttaat ctttcattgg cctatagcag ccagtggggt cttttaaaaa attcttttcc 180
ttcatattcc ccgtttgagc ttaaggtaca aaaaaagaaa atactcttga aatgctgtga 240
ccagatctag actgtaacat gccccttcgc tcctctggtg aggaagtgcg ggaaggtgga 300
agacattgag gggttgatta tttactncgt ttggaagtaa gaagggaggt agctcttatt 360
tggaataaga gctgncttca gaacaggtgt gngctctcct gaagcccaga gctgngactc 420
cctgggtgtg tctcttacct gtgcccttgg gcaagtggca cgggagaaga atacgannag 480
aggaggatgg tacagacaga ggagtcacan gctgaacang ctgtcaccgg ggcaagatga 540
ctgacang 548

<210> 4090
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 4090

gctcaaggtc tcctccttcc ctccccccccc ccccccgtca ttnanntgnc c 51

<210> 4091
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (370)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 4091
gattntcgcc agggccaata cttatccgca ggggtgtgtg ccaggcagcc caggtcagcc 60
tccctccacc gggccacccg caccaggttg cctcccatcg tttgcaggag cggaagaccc 120
gatggagcag gtttcacagt gccctcgctg ctgcctcccg tttcatctgc acgtctcttt 180
caatgcgggc gtgcgaactt ccaggtagag ccgagttcaa gaaaatgaag tactgcatgc 240
gacgagcaag tttattgaag agggtgtgag gtcgcggcgc ctgaccctca ttatgtcaag 300
ttactactaa atgaaattag aacttcactg nccttttttct ttttcccatc gaggtgcaag 360
aggaattgan cttanggtag nattttggga tttaaaaaaa an 402

<210> 4092
<211> 214
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<400> 4092
gnctggttca cagggaatct agttactata ttgaangctg gtacccctgc aggtaccggt 60
ccggaattcc cgggtcgacc cacgcgtccg aangactaca gagccccgaa ttaataccaa 120
tagaaggggc aatggctttt aaaataaaaa tgaaagggga attaaaacag cttaaangtt 180
aanttaaaaa gtggnagggg aataaaanaa nttg 214

<210> 4093
<211> 98
<212> DNA
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I_ >

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 4093
agagggatnc tggaaaccct ttcgggantn aaggccaggt acccctgcag gtacncggtc 60
cggaattcnc gggtcgaccc acgcgttcgc taatccag 98

<210> 4094
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 4094
agacanaagt ggaattncgg aactacattg aaagcnggta cccctgcagg taccggtccg 60
gaattcccgg gtcgacccac gcgtccggtn gcatggggga aaatcgagtg ggnccaggng 120
ggcaancgaa gcaaggcntt ggcgtc 146

<210> 4095
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<400> 4095
tgtatctttg taaaaaaaaa gatctttata aacaatatat gaatgtgccg ncttatttat 60
tgattactgt aaattaagat ataaatggct atttgaataa tttatacctg tgggaattaa 120
ctggagtatt tgttatttga ctgttttcta ttaaggaata ttaggcttgg tgctatgatg 180
aatgatcttg taaaatcatg tgtattctta agaaaatttt tgaatataaa tttcttgaac 240
tgacaaaaaa caaaaaanna atntataaaa tnanaaaat 279

<210> 4096
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO _ 01229220 A1 >

<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<400> 4096
cgatatattt aaactttccc tctatattat aggttttgtg gcatncacgg tcaggtgtag 60
aggaagctgg ccccttgcag aactgtactg aaaaattttt aataaatatt ttcacaggac 120
tgaattgacc acaggggctt gtaataaaaa ttttnacact ggagctggga aaaccaanct 180
attgggggga aatcntccaa tttggaaagg nctacctttc atggggccac cctggaaaan 240
ntgggaagtg ggttaatnag cctaattgaa ctttttccta a 281

<210> 4097
<211> 222
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<400> 4097

gcgaccatct caatgtcacc aagaaatggt cctaatcctg agtcgtcacc cttggatttt 60
atggatcacg gagctgacca tctttacctg gtcctggaac tgaaaaactg tagcttgtgt 120
gaaaatgagc ctttggacca gtctttatta aaacaaacaa acatgaaaaa naaaaaaaaa 180
natctaanaa aaaaaaaaaa aanaaaaaaa naaaaaaaaa aa 222

<210> 4098
<211> 235
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<400> 4098

cgaatagacn tctntggaac gcctactata gggatgctgg tacgcctgca ggtaccggtc 60
cggaattccc gggtcgaccc acgcgtccgc ggacgcgtgg gagaatatgg gataagtagt 120
cangatcaga aaggtgagac aataaaaaca agatatattc caaagcctaa tcctaaattc 180
tgnttcaaat tctttatcat atttcaagnn ctttctcata ctncantgat cttgg 235

<210> 4099
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 4099
gaaaaaaana agagatagaa taaaagggtg aagacagaaa aancaagagn aanatgaatg 60
taatnt 66

<210> 4100
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<400> 4100
gcaagcataa ggcaataaat acctgcagca acgtgggaga aagaagttgc tggaccagga 60
gaaaaggcag ttatgaagcc aattcatttt gaaggaagca caatttccac cttatttttt 120
gaactttggc agtttcaatg tctgtctctg ttgcttcggg gcataagctg atcaccgtct 180
agttgggaaa gtaaccctac agggtttgta gggacatgat cagcatcctg atttgaaccc 240
tgaaatgttg tgtanacacc ctctttgggt ccaatgaggt agttgggttg aantagcaag 300
atgttgnnct tttctggatt tttttgccat gggttcttna cttgaccttg gacttttggc 360
atgattctta gtcatacttt gaacttggct cattccactn tttntcagag caactcttcc 420

BNSDOCID: <WO_ 0122920A2_I >

tttgggaaaa gagttnttca natcatanac cata 454

<210> 4101
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<400> 4101
gcccatnacc atcttncatg agctganatc ccttcaaaat caagaggggg cgatgcntgg 60
cagcta 66

<210> 4102
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<400> 4102
ggatcatcac ctgtaaagca gagctatatt aagccaagnn ncaggaagca gtagaangct 60
aatcttgn 68

<210> 4103
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<400> 4103
ggcctgaagc acattgtcaa agatgaaagc tcttttgggg aaaagggctc tccngtggaa 60
tcatcccttg tcatagcatg tggctctaaa ttttcagcct cattcacagt agcttgcatt 120
gttgtattgc ttttgggaca cctgtgtttt atctggaaat gtagacagga atagcggttt 180
tttttgtatg tgtattatat attgtttcac tgctaatctt ctacacaatt ttttagaata 240
aaaaagggta aatagcttgt gccattttgc taattacata gatttgactt ttgatcacat 300
aaataaaaaa taaaacaagg caggacattg tcctgcacat agttgaaaa 349

<210> 4104
<211> 227
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<400> 4104
gaacgctggt acgccngcng ggaccggtcc ggaattcccg ggncgaccca cgcgtccgat 60
cgaangcgcc gntgagacct cagccttgac ctccctcaga cgnggccggg accctgagcc 120
nctgcncaaa gccacccgcc ccgacgtact taggcggnat agccctgaga cctctggnca 180
gcgccaggca ngcancgggg gcgaaagagg cctgggnctg agacttc 227

<210> 4105
<211> 147
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<400> 4105
ctncagggcc cangttcgag accnaaaccc ccaggnagcc aaaacntctc ttgaaaagca 60
cagggaccga ccaggggaga tggggaggag atatggagtg agacacctgc tccagaagaa 120
gccagcnttc tctanncagg gngcnaa 147

<210> 4106
<211> 190
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<400> 4106
cgcccnagac cnncgtttgg aacgacctac tatagggaan gcnggtacgc ctgcaggtac 60
cggtccggaa ttcccgggtc gacccacgcg tccgaaaagt agccctcttt ctcctggatc 120
ttgctgaggg agnggctngg ggggtggggg agataaaaaa gaacttaaaa tgggnaaagn 180
aagaaatgnt 190

<210> 4107
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (622)
<223> n equals a,t,g, or c

<400> 4107
ctgtnagctn tcgnctatag ttttgngctn gtacccctgc aggtaccggt ccggaattcc 60

BNSDOCID: <WO_ 01

cgggtcgacc cacgcgtccg gtctacaacc acgtaatatc cttttcatca gccttatgaa 120
attttccccc aatttatcca agtcaggatt tcagtatgca gaagtctaat gtcatcttgg 180
agagttcatt gtgcctcccc catatccaag accatttact aaaaccttag ntcagtcttt 240
aaagagtcac aagatcctat tatgcctagt tttttttcca gtcttttaag tctattcctt 300
accttgccaa aaaagtacct gtttctatgg tttaacaaat ggagcttana atatggaact 360
atgacaaaaa tacctgctac atgcttcctt ctgtatgaat acatgagacc taccttcatt 420
catgnttcct ctatgaagct ttccctgcac tccaaacaca gagctgagac ttccacctaa 480
tgtagaaagc tagcacgagc cggngctgac agatggaaga cttgagatgg tacaagatta 540
tntatnggaa acacaaaagg gagatacccg gagccatgac agactgggat ggggctgggg 600
ggacaggtna agcaagacnt tnata 625

<210> 4108
<211> 64
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<400> 4108
ggttctagat cgcgagtggc cgccctttt ttttgggntt ttttttttctt nancataaaa 60
cgnn 64

<210> 4109
<211> 56
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 4109
gctcaaggtc tcctccttcc ctccccccccc cccnccggna tgtttnngng atataa 56

<210> 4110
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<400> 4110
gtgttagaag gacccaaggg gaatggttgg aaggcatgtc atagaaggag aagataaaga 60
aagcccagat gatttttgcc tgtagaagag gagggctgat gggattcaac tgcctaagtt 120
tgtatctaaa tcttgtttta tggaattgag gttacatttt gtttgtatgg ctcttaagaa 180
cagaattcag atttctgcct ttgaaaaagg ggaaaccctt taccaattan gattattaaa 240
aaatggaatt tctctgcatt ttgagatagt aaactctaca ttgaagtatt ctgctacttg 300
ttanaaattt tgntcaaaac tttaagcatt aaatggggaa ttggtctgga tgactgttaa 360
gatccccaag agaatccaaa tttttgatct tagctgcaat taaagatgtt tataaatgct 420
taacanctgn tctacctact tccttattct tangatgtat tactattnca tatttaaacg 480
atcactcaag gaccattnaa tc 502

<210> 4111
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 4111
gctcaaggtc tcctccttcc ctccccccccc tcccccgtct gggcttnact tcctttcnta 60
cttggattct nctgctagct gcctcccatn atctttttttg gaggcccgtc tcttgctgtg 120
gggaagantg ggctggctg 139

<210> 4112
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 4112
gtaaccttag tangatagaa cttcatntgg nagggccagc tggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cgtttgaatt tttgagttat caatgtactg 120
aagtctcttt ntaatnttat ngggtggttc agtgnggtca gngccttgag tgtttcaaga 180
tctctattct ggattttagt ttagctttta ttgactntct aggttgtggc cattgcctga 240
aatacatgac agtgagctca cagaaacctt atactttgaa tttcacaaaa atcatataat 300
gttaggttct tgcttgcttt ccctttatnt nttttactgt caataaaata ctgatcctga 360
aaaaaaaana aanaana 377

<210> 4113
<211> 530

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<400> 4113
cgattaactg ccnatcatca cctcatttgc ttttttgac aacatactac tagaaaccta 60
ggctgtgagt gtaaaaccat aactgttaga atcatttttt tggcaatagc tcacattctg 120

ttaagagtca tttgctttaa tcaaagatca tgatttatta tatatttttt ataagtaggg 180
atggggccaa gattattcct ttggcacagc agtaagtgtg ctcaagatct ttgcctgtaa 240
gcttgaatat ttggcttaaa ttttgtgcat atgaatactg ntaaaggtat atttgactac 300
attttgaaag gaaaaaggta gtcctgctaa aattgacatt tagggatatt ttaatctatg 360
tatttggtaa aggtaattag tgaangtatt aagttatnaa aattttaagg gaaaacattt 420
aaaaagcaaa atagtccgta tcagatnaat agaggtagaa taccactnna gattaaacaa 480
ggcnctggta ncaatgaagg ttgtcttgtt cagacgactg agatatttaa 530

<210> 4114
<211> 68
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 4114
ggaaaagaga aagagaaaag gaattaattc aatcctggca gaantgattt atatnctgat 60
tngancna 68

<210> 4115
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

BNSDOCID: <WO__0122920A2 I >

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<400> 4115
cgcgtggggt accggtncgg aatggccggg aagacccang cgtacgaaaa aaattatctg 60
ggttaataag ganatntata aaaggcncaa gaatctgagg actagatgtc ataaatatga 120
aataggtaaa aacaaggtca cnagaaaatg ggtanttaag aacttanctg gtgnggtaag 180
aagcatacag aantggaaag gtaagaactt g 211

<210> 4116
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<400> 4116
aaaagaaaaa cntnaaataa ntgacttgat tttacacaac atccttccct tttctacaag 60
ttaattnttt tacaaatcat tngggatatc tcctaaatag g 101

<210> 4117
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 4117
ggccatttct cacagaagat tnacactgga agctgatgaa aggatngaat aatggagagc 60
accactttcc tgcanctgat cacacagcaa acataaanca tggatngnca atntatttgg 120
aggcacagcg ctccccggg gtggccaagc ttggaagtcc tgttcttaca aaattgctca 180
ctgcctctac cccatgtcag atcttataaa ggtgcagcaa gtgtggcaat aagcagactg 240
aggaaggcat aaagggtctg atgtgaagca nagaaggcag aggnggctga nggtttggag 300
taaaatcgag aatggccatg aagatttgac caaggagctc tgagattgag aaggaattan 360
aacgaagtcc acagggaagt tgagaaaatt ggcagaaaat tngaagagga gggnttcaac 420
aggagatgat caanattaan 440

<210> 4118
<211> 69
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)

<223> n equals a,t,g, or c

<400> 4118
gcaagtactg caagaaatgg caggatgagg gatggcaaga aagcagctgg naanaaaggg 60
atttnanna 69

<210> 4119
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 4119
gcgaggcgct gctggcgcag tggagccagg cacagctgag cgacggggag ctgggccgcg 60
aggtggacgc ctggctgcgc cgcgcccnag aacaagtacc ccgcggngcg cntgcgccag 120
nagntgcanc gcgtgtggcg cgggcacacg gacaaggtgt tggggctggc ccgggccctg 180
tgggcccagg gacggc 196

<210> 4120
<211> 198
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<400> 4120
ggggattgtg ggaggagccc ctgggggcct ggnctgtcct ccaccagaac ttggcattgc 60
tgccaacana ggatctgtgc ctcagctgaa gactagctcc ggaatgtcat aangggtgtg 120
actgtgtatg ccttctnctt cttctcgatt ntgtggcatg gcacaagttg gctgggtgct 180
ttnacctttc ccatggtn 198

<210> 4121
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<400> 4121
aattcctntn tcgatccacg cntccgcaat gtccnggcan atagtaatta attaagaaaa 60
tcgtgcaccc ttgttaccta gaatgcacgg atg 93

<210> 4122
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 4122
gaaaaaaaat agctgtncaa taagtagatt taangnaatt agaacacttt at 52

<210> 4123
<211> 338
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 4123
ttcctgggcg ancacgcgtc cgggagagct ccccctgcac cgtgggccnc agccagagaa 60
ggcctgggac naanacccac tgggggggcct cccacggagc agccagaggg gcnaggctgg 120
gtgggggggcc ggagcacctg ctgcacctgt attcagggtg gatttttaag naagatctcg 180
ttgtagccgt gtcgctttcc taccaggagg cccatgacat ccggctgtct ctctggtaat 240
gttcatatca atgacggttg ttacctgngt cattatctca ctggggctgt nacnggggan 300
agtttattct atactttctt catttaccan ctgcaatg 338

<210> 4124
<211> 169
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<400> 4124
aacctantgc cattcgggcn tttntatcag natcttttct aattgngagc atgtgtatga 60
gactatttat acccaaggat atgaaggaac ataatgtgac tacaaggctc taataagcca 120
cngagggcag gaggctnang cggttctgtt nactaaattt ntctcctgt 169

<210> 4125
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<400> 4125
aacattctat gcatatttgg ttgttatacc aattcatnaa tgaattcata aaatgactat 60
gaaaaaaatt atatgctatg ggatactggc aacagtgcac atatttcata accaaattag 120
cagcaccggt cttaatttga tgtttttcaa cttttattca ttgagatgtt ttgaagcaat 180
taggatatgt gtgtttactg tactttntgg tttgatcccg gntgtataaa tgatagcant 240
atctnggaca catttgaaat acaaaatgnt tttg 274

<210> 4126
<211> 151
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (140)
<223> n equals a,t,g, or c

<400> 4126
tcgggtttcc ccggggaaaa tttcccccgg gggnttccgg acccccnacc ggccgttccc 60
cgnacncctt ggtttgggtt ttaaattaaa aaggtttttt tttcaacntt cttgggccaa 120
aaaaaaaaaa aaaatntttn tataaaaaag t 151

<210> 4127
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<400> 4127
gtcaggtgac ggcaggtgtc tnaccgctcg acncggcccc tgccctctgg acgtgcgcgg 60
ctccaggtnc ccgcggccct ccgccacgcc agctctcncg gtcttagcaa caaggnggct 120
gaccgccgnn ccctgcagcg gctgatcccg tggnccctgc agacccagcc aacacccagc 180
ggtcccagag cgncccgcct gctacccgcn gtgggnggca cccgatggcc ggcgagggng 240
c 241

<210> 4128
<211> 286
<212> DNA
<213> Homo sapiens

<400> 4128
gaacctagta acctccagat cccagaggct ctcctcacct cagctgagct cctttgaaag 60
tgattcaagg gactatgtca ctcagcctca tttgctggac caaatctgga gggagaaccc 120
ctaaaacccc taagtgaggt tgcccagggg gttgtcccca ggtgggggga agcaggggag 180
agaaaatggt agccattttt acattgtttt gtatagtatt tattgattca ggaaacaaac 240
acaaaattct gaataaaatg acttggaaac tgccaaaaaa aaaaaa 286

<210> 4129
<211> 151
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<400> 4129
gggccaaggg gtttaacccc cngggttccc ccccggggna aanaatttnn ccccgggggg 60
ggttcccggg aaacccccccc aaaggggccc ggttttcccc cgtnaaaaac ccttttcact 120
tttggggggn ttntaanaaa aagaaanata c 151

<210> 4130

<211> 149
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<400> 4130
nggangtgga aagctggtnc gcctgcaggt accggtccgg aattcccggg tcgacccacg 60
cgttcgagag tgtctaatcc tgcantcatg gcgcangaag aggaagatgc tananattac 120
aatttgacct gaanaacata aggcgatca 149

<210> 4131
<211> 266

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<400> 4131
gctgtatacn nttaagagat ttctgacatt tattcttaca ctaaatggat caactctagg 60
atttaggcat gttaacttct gtngtgtttt gaatctctcc agagttgcat gtagatagca 120

tttatttctg tgcccttaaa cccatttana aaataactac aaagtaaaaa tgtagaggaa 180
atagaaatgt atttttttcat gaacattttg atacaaattt catcatttaa tgattcacca 240
nagttctccg tntngtcnat tttana 266

<210> 4132
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<400> 4132
gnntttgatt anatnaatta gacntaatta aattagacgg tattccctaa aatgtataaa 60
tgtgtcactt tttaaatctg aaagccttct gatgatcaca atactntatn nggctataaa 120
tnnaatccac at 132

<210> 4133
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<400> 4133
gattgttgcc tttcaccccg agtttgacta gcagcaagcc tgtcaataaa tgtaacattg 60
gtttcactta ggtgctcttc ctggttttag aattccctga atgggcagtt tgacaggtaa 120
atgtggtcca aatcagtcgt tctttttacc acttaaaaaa aaaattttcc tttgtagttt 180
ttttgctgtc tccccgtagc ctaaattgtg gctgagctgc ctgaagcatt cctctgcttt 240
agaaaagaat tatccctagt ggcaaaaaan nnnn 274

<210> 4134

<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 4134
gcgaactccc acctctccat ggcctgccta gccaggctgg cactgccact cacactcggc 60

cccagggccc aggagggaca gtgcctggag cctgngnnag gcccagccca tctgtgtgtg 120
tgtatgtgcg tgtgatgcta cctctcctcc cgtccctctc caggggcccc gcatacacac 180
ggccatgcac gcacacactg ggcctgggcc agggccccag agctcctgcc tgagctggac 240
cttatgcaaa catttctgtg cctgctgggt aggggcacgt ctgaagggcc ctgctccaag 300
cctgcaggac cganggccac aagccggaca agggggtagc ccctggattn agcacacgaa 360
caccacacga gcacgtgcca cgcatgcctt cgngtngctc attttacaca anacccccct 420
cccgggtnac gca 433

<210> 4135
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<400> 4135
gcggacgcgt ggggtttgtt taaaaggact gtcttttatt nataattgga ntgnaaatct 60
ntg 63

<210> 4136
<211> 133
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 4136
gactagttct agatcgcgag cggccgctcg cgactagttc tagatcgcga gcggccgccc 60
gcgatctngn tctagccggc gcgtgggtcg ncccgggatt tccggaccgg nacntgctgg 120
cgtaccagct atc 133

<210> 4137
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (491)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (495)
<223> n equals a,t,g, or c

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (571)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (572)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (582)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<400> 4137
gaactgnaag ccgaggcgga aaagatgcgg gtgtcccagc aagaattact ttctgttgat 60
gaatctgttt acactccaga ctctgatgtg gccgcaccac agatcaacag gaacctcatc 120
cagaaggctg gttaccttaa tcttagaaac tggcagatga gagccatgtg ctggagacct 180
acctgcaagg ccagaggcaa gcaaaacagg gctggtcacc accacctggg agaggcttta 240
tttcttcacc caaggcggga atctcatgtg tcagcccagg ggagccgtgg ctggaggttt 300
gatccaggac ctggacaact gctcagtgat ggccgtggat tgcgaagacc ggcgctactg 360
cttncagatc accacgccca atggaaaatc gggaataatc ctccaggctg agagcanaaa 420
ggaaaatgaa gagtggatat gtgcaataaa caacatctcc agacagatct acctgacccg 480
acaaccctga ngcangtcgc gatcaagttg aatcagaccg ctctgcaagc aagtgacttc 540
cattacaagt tttgaaaaaa aaaanaaaaa nnggccggcc gntntaaagg atccaagctt 600
tacgtacgcg tgcatg 616

<210> 4138
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (378)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<400> 4138
ccacgcgttc gcccacgcgt ccggtgtcaa ctaaattaat actgttgtta aaagtaagtt 60
gtggatcttg gtcactccac acaagctaga ttgtcttaat atttgtatgg tgcactttta 120
cttacaaaag ggaagataaa atgttttggg gaataattac caggggtctg gccaggtcaa 180
aattggttag tccccttctc ccatcttcta attttggtag ntaatacttg gtaaaacatn 240
gggtttttta ataactcact aaaaagggta ttctattntg gtantttgga taaaatgact 300
tgancanaan gttacagcac acgaaatttt cctttaagca aatngctctc aaatatagct 360
ttttgtcata tgcttatnca tgtttaagat gacatgaaaa ccctnacaac tntaatntta 420
aaataaattt ttctttaata nggtatt 447

<210> 4139
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<400> 4139
gtaaaatcat aatcgtggat taccgcatta aatagttcta aatcagtnga actgctaata 60
acccttggtt atattgtatt ctctgatata gcattatcag agaaaactgt aggaggaata 120
gtctctgttg acagtggtca aaggtagatt agagaatagt gggtttccct caagtctgaa 180
nctgacctac taatcagcac atgtgtgagg gaactgccaa ggcagagaaa gaattttcag 240
aanggaggag gatgacagtc tctggagctc aacacggcta agccatctaa attttctctt 300
tactttgngt tacatnaatg atgaattgaa attncaaatt cataaanaca gttatgattc 360
tcaactacct gangttgcgt tcaacatca 389

<210> 4140
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 4140
gaatacgtaa aaaagtataa gggaagcant gcattcgann tactgcacta ttntc 55

<210> 4141
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<400> 4141
gctgcagatt tgtgttacag ttatttcagt atatgtcctg tccctgntaa tgtgtaggtt 60
tgtaataggg agatacattt catatcttct ttgttttatc catgctgcct gccanacagn 120
cttgtacatg gtanatactg aataactatc aaatgaataa gtagttatta anaccaagat 180
actttacaga naaaacttta ccancttctc taggactang accccaaatc tgngctcaga 240

gctgctagct t 251

<210> 4142
<211> 96
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 4142
ggaanaaaag tctttaatga tgaacatatt ttccccttaa gcttaaaatg tcttgccttt 60
gaatggtatc tnagcttaag gngaaaatan nattaa 96

<210> 4143
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<400> 4143
gggaaaatgc aaaagcacat atatgtttta atatctttat gggctctgtt caaggcagtg 60
ctgagaggga ggggttatag cttcaggagg gaaccagctt ctgataaaca caatctgcta 120
ggaacttggg aaaggaatca gagagctgcc cttcagcgat tatttaaatt attgttaaag 180
aatacacaat ttggggtatt gggatttttc tccttttctc tgagacattc caccatttta 240
atttttgtaa ctgcttattt atgtgaaaag ggttattttt acttagctta nctatgtcag 300
ccaatccgat tgccttaggt gaaagaaacc accgaaatcc ctcaggtccc ttggtcagga 360
gcctctcaag attttttttg tcagangctn caaatagaaa ntaagaaaag gntttcttca 420
tttcatggct agagctagat ttt 443

<210> 4144
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<400> 4144
gntctaatta aaggtgcagc acttcaaacg tgatttatac agttgttttt ataggaaaat 60
ggaaatatat tgtagggata ggtagcagga cactaatagt gagtcccact catgactgta 120
agtagtgact ttgggaggta tnttaaatac tgatgtcatt aagtaattaa cttgaattac 180
ttgtatttta cttttagtta tcaagctgac tgctattata gtaaatatgt gtcttanact 240
tanagtgaaa tggaaactgc ttagaagctt aactgtgtan gagtnaaagt gcacgggaac 300
agatgggaac atttaantta tagaaataat tctggtggag ttctagggct ngtgcctatt 360
tgttttantt tgttgtgaag antna 385

<210> 4145
<211> 151
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<400> 4145
gnaagcatgt ttaatttnaa tagaagagag naaaggatat ggctggtcnt ggaacatcaa 60
gttgttcctt gntccaactg catgaaatgc tggagaaaat tanaacattg ctnnagagaa 120
ttggcctctt tanaatcaat tgccccagga a 151

<210> 4146
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<400> 4146
gtatgatttt ctgtgtatga gatcatggga tctgtgagta ggtagtttta ctttttctt 60
tcacatatga atgactttgt atatatatat atatttttt ttttctaatt gttctggatg 120
gaacttctag tacagtgttg aacacaatga tgaaagtgag catcagtgct gtgttcctga 180
tcttaaagct ttgggtgcca acaattcagg tggtgattgt tatgggtttt gcataaaggt 240
gttttatcat gtgaagaaaa ttcgaatctt cagcttattg gtggttttta tcattaaata 300
cgttgattat ctttaagtac tttctgtaac agttgagata aacgtgtttt tcccatcatt 360
ttaattatat agtatacgga aaaggaatgg ctttagtatg ttgaaaaacc tttgattttc 420
tgaaaaaaaa annnnn 436

<210> 4147
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<400> 4147
ggtaacatgc ctttcacatg tccaccttct tgccatgttc cagctgctct cccaacctgg 60
aaggccgtct ccccttagcc aagtcctcct caggcttgga gaacttcctc agcgtcacct 120
ccttcattga gccttctctg atcactccat ccctctccta cccctccctc ccccaaccct 180
caatgtataa attgcttctt gatgcttagc attcacaatt tttgattgat cgttatttgt 240
gtgtgtgtgt ccgatctcac aagtatattg taaacccttc ggtgggtggg ggccatatcc 300
tagatcgcga gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcnacgtcat 360
anctcttcta tagtgncacc taaattcaat tcactggncg cgntttacaa cgct 414

<210> 4148
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 4148
gaagccatag atgaggaccc atccttgact cctctccctc atcctccatt ttcagtcagt 60
agttagaaac cttcttgtta ttcctgtgaa cccatttact tgtcatctct ctactcttag 120
caccttaact tagactctct ttatttccca cctacctgaa tttcctaaaa gcatcatcca 180
cttttgaagg cttaggactt tgcgtatctt ccctcagggc ttagcttaga aaatcaggac 240
ttctctgacc tgttcctata ccctcaggtg agcttggtgc tgatgtcccc ttctncctct 300
tcatccatac ctctantctt cttctccccg tctcccatgg gctctcacag caccctgtgc 360
tatccttctg acacatataa catttgcngn aatcgctagc ttttctgggt canaggncag 420
naactatgtt gactcatatt at 442

<210> 4149
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)

<223> n equals a,t,g, or c

<400> 4149
gaaaataatg taattgtaat tttgaaatgt ggttttcctg aaatcaagtc atctatagtt 60
gatatgtttt atttcattgg ttaattttta catggagaaa accaaaatga tacttactga 120
actgtgtgta attgttcctt ttatttttt ggtacctatt tgacttacca tggagttaac 180
atcatgaatt tattgcacat tgttcaaaag gaaccaggag gttttttttg tcaacattgt 240
gatgtatatt cctttgaaga tagtaactgt agatggaaaa acttgtgcta taaagctaga 300
tgctttccta aatcagatgt tttggtcaag tagttngact cagtatangt agggagatat 360
ttaagtataa aatacaacan aaggaagtct aaatattnng aatctttgtt aa 412

<210> 4150
<211> 497
<212> DNA
<213> Homo sapiens

<400> 4150
ggattgcact tcctgaccaa tcttattttg gagaaagatg gagacgataa tcctgtctgt 60
cgactgccag acttctaatt caatagataa cgttcttgag aaagacccca gaccaaaaag 120
agacacagat ataacttctg aaagtgacta tggaaacaga aaagaatgca atagaaaagt 180
tcctcgaaga tcaaaaatcc cttatgatgc caaaaccatt caaactatta agcaccacaa 240
taaaaactac aactcttttg taagttgtaa tcgtaaaatg aaaccacctt accttaaaga 300
attatatgta agctcatctt tagcaaactg tcctatgtta caagaatcag aaaagccaaa 360
gactgaaata attaaagtag accaaagtca ctcagaagac aacacttacc agtcccttgt 420
tgaacagcta gaccaagaga gagagaagag atggagagct gagcaagccg aaaataaact 480
catggattat attgatg 497

<210> 4151
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 4151
gaaagtatat aaatataaaa tgtataaatg atggatagat ttttgtattg atttgcaaaa 60
tgcagattat atttgatagg ctatagtatg tagatattcc ttttaggaat attacagctg 120
taaattatat gagacttgcc agtcaaatgc tatttggttt aaaaaaatta ttgcaatctc 180
aagttaatgg aatattttta aatcccacat tcanagttta aaacactggt tttcaatgng 240
nctattagtg ttgtcacttg ttnatagata aatatataaa taacctgttt ggatcctggt 300
ccttttttaac tgatccnttg gcaattctga gcatttattt gatgacttaa tatttntcac 360
tanctttgga gaacanatga accatttntt ca 392

<210> 4152
<211> 71
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 4152
gtgcttttat aaagttgaac aaattgaatt tagacattca ggcaaagcta ctgggggttg 60
nntnctncna c 71

<210> 4153
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)

<223> n equals a,t,g, or c

<400> 4153
gccctgacat tacaggaaat ctacttagca acctcgtaag tgagaacaag tctaaaagca 60
gataaaatta attatcctag atcctagatg caacttttaa cttggcagtt attcccacag 120
catttctgtt tggtattctt acaattgcct tacactcaga attcttacta aggggccatt 180
accatagtag atattacttg gcaaataata aatacaggga ttgagcaagc tgatgtaatt 240
gactgtcttg atttaaaatg tgtattaaac ttagatctac agaatggtag ggaggcagaa 300
acaagcaaat gacttaattt gtattgatgc caaattggtg cttgcttgag cgcttcaaaa 360
tagcagagtt gttaacacta gctacaactc taaggaccat nccataagta gggcacatag 420
ggaatttgaa ttcataccag aattttangg attttatttt accttctaat atataattaa 480
gntctnattg tggngntaac cctttttt 509

<210> 4154
<211> 453
<212> DNA
<213> Homo sapiens

<400> 4154
ggcgtttagt gtgttctaat tttaattgtt ttatatcctg aaaccaatgg tgaaaagtaa 60
tttcattgag ggtacctttt caatgcctga gtagcataca gaatcatgat tatgagactt 120
tcttttatct ttctttataa aaatatgtgt tttttttgt tgaaagtttt ggtctcttta 180
aattcagatt ttgtcttagg acagtaaaac ccaggttgac tgactcagga aacagttgtc 240
tgctagtcac tcataaatgt acggtcatat gttcactctt cttaaatatc caccttttat 300
aacacaaatg taaaatagta tcagtctagc caatgatgaa ctctggaatc cacttagtct 360
tcagtaagta tgtgctgtcc tctaaacttt gccctgaagc caggggatct tctcctaatg 420
tatgtgacat aaaaatccat tttccatgta aaa 453

<210> 4155
<211> 169
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<400> 4155
ggccttaaaa aaaatgnttn ttaaagactt tggaaccaag gttggangga atttantgga 60
aaaaactttg gaaaaaaagg aagggtncaa cttcaataat nnanatagaa cagaaagttt 120
aancttggct ggtgggtaaa gaagaagaat ggccagttat tgaaatatg 169

<210> 4156
<211> 172
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<400> 4156
cacgaaaaac atctactact atctntcaag ccagtanatg ccaaatttct ttntgatcan 60
tagtgatnta caactcaagt gccatgttgc tctacaggtg cactgctata acgacagcat 120
ttccagaatn gcatgttctt nnattgtttg tgtcgcactt atatganatg tn 172

<210> 4157
<211> 485
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (472)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (484)
<223> n equals a,t,g, or c

<400> 4157
tagactntga aataagtgaa atgactggtc actgatcatg atgtatatct gttacataca 60
taatgatttg tagactgaag agctagcagt atagtttgta ctccatgcca ttattcacag 120
atactatatt gaagtttgaa ctgtgttgct ggcagactgg cattatttag ctaacctgtg 180
gtaactgaaa ttcctgcatg tcagaattct gcaaagtaag gactacctgt atctatatat 240
ttttttctct aagcactgct ttagttttat ctcacaaatt ttgacatttt gtgttctcat 300
attaattaaa ttcaagttac tttctaattc ctcttttgac tttctcattg acacataggt 360
tattttataa gtgtgtttaa ttttctaata tttgggggga cttctganat gtctttttat 420
tatttatttc taattaatnc cattatggtn ggttaatata ctctgaatga tntccattct 480
tatna 485

<210> 4158
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<400> 4158
gcctcagtgg acgacatgct caaggtgagc tcccgggtgt caagcggagg ccttttcctc 60
caggacgacc ctgtaggtac caggaggggt ggggcagggt tgagcccttc gtggtctggt 120
tgccacacta gctgcccttg ggaggggcca gtgtcccatg tggactaagg aggccaggcc 180
tggccagact ccacatagcc cagagctgac cgcttgcccc aaatcaaagc atcttggcca 240
ggtcagactc cttgaccagg actgccattg tggttaaaaa ttagccttgt gtggtggtgt 300
gttncntgtg gtcnnagntt actt 324

<210> 4159
<211> 134
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<400> 4159
cnnttaccaa caggtnagcg cacgctgaat ggcgaatgng acgcgccctg aagacggagc 60
attaaaacac ggcaggaatg naggttggtt acaacacagg gtgacccgct acantacncc 120
atacgngcta acag 134

<210> 4160
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 4160
gaaaaggatc aaaggatatt gaattcccgg tccgacagaa agaggtctat atcaanagag 60
tngtngatcn ggcaaaagat cttn 84

<210> 4161
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<400> 4161
acgcctnccn gtaccggtcc ggaattcccg ggtcgaccca cgcgtccgcc cacncgtccg 60
cccncncgtc cgggacatga atagtcgcca ggcttggcgg ctctttctct cccaaggcag 120
aggagatcgt tgggtttcaa ggccccgcgg gcatttctng ncggncctgc ggagagagtt 180
cttcactacc acaaccaant gagggatatg ataggcngtc agtggatata acttctttan 240
aacaaaggaa attaactttt gatacccatg cattggttna ggacttggaa actcatgnga 300
tttnacaaaa 310

<210> 4162
<211> 126
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (125)
<223> n equals a,t,g, or c

<400> 4162
tcctacggca ngntctaata cgactcacta taggcaaagn tncaacgcct gcagttaccg 60
gcacgaaatt cccgggtcga cccacgcgnc cgctcaataa atattctcat tgtcaatcac 120
ccnana 126

<210> 4163
<211> 145
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<400> 4163
acgcctnccn gtaccggtcc ggaattcccg ggtcgaccca cgcgtccggc ccgcagaagc 60
gagatnacna agggaacgtc atcgttngga aagcgtcggc aataagacgc acactgttgt 120
gccgtcgctg nggntctaag gccta 145

<210> 4164
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<400> 4164
ggaattccat ttntggtcat attatggcag cttacaagcc tggcacagtc cagttatgca 60
gtcagccttg gtgcctggct gccagccaca ttctataccc tatttggggg tgaatggtgc 120
anngtttctc ctgcangtat gttcccctga ctcttctttg ccccccagaa tatgctttag 180
ggagtcncag acnacagaac actgccccan ggcgctgtcn atcactctat 230

<210> 4165
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<400> 4165
tatgaccatg attacggcaa gntntaatac gantcactat agggaaagnt ggtacagcgt 60
gnaggtaccg gtccggaatt gccgggaacg acccacgcgt acgatttana tgctgctggg 120
natgttaatg anaga 135

<210> 4166
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<400> 4166
tgggacgcct gcaggnacng gaccggaatt cccgggtcga ccnacgcgtt cggaggaana 60
ctgtgcagnt accagcacac atgcaaagcg gaaaggcgac ntttctaggt gcccgangca 120
atacaagcat 130

<210> 4167
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<400> 4167
tntaatacga ctcantatag ggaaagntgg tacgcctgca ggtaccggtc cggaatatcc 60
cgggtcganc cacgcgtccg tgggattttt ntgtgttact tttggcngta ttttnaaac 119

<210> 4168
<211> 171
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<400> 4168
cataacaatt ttacacagga aaacagntat gaccatgatt actggcaagn tntaatacga 60
ntcactatag ggaaaggtgg tangcctgca ggtaccggtc cggaattccg agggacgacc 120
cacgcgtccg ctttgaatna gagtcgaagg ttaaaatgag agangnanga n 171

<210> 4169
<211> 169
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<400> 4169
tatgaccatg attactggca agntntaata cgantcacta tagggaaagg tgagacgcct 60
gnaggtancg gaccggaatt cccggatacg acaccacgcg tccgagagag tgtgcttgct 120
cagagacntg nagccantca ganacaggat taaatggtgc tgtgagttn 169

<210> 4170
<211> 169
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<400> 4170
aacaggtatg accatganta cggcaagntn taatacgact cantataggg aaagntggga 60
cgcgtgcagg aaccggtccg gaattccagg gtcgacccac gcgaccgaaa gtgtatgtag 120
tatataaaga atttggtnta tgantgnaga atcaanataa taanatgta 169

<210> 4171
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<400> 4171
gaaacccaag gaaagccgtt cggtnaaggt ccggtccgga attcccgggt cnncccacgc 60
gtccggtgta tcctgnttta aaaaaatgta ntttttttg aaataaacct tnatattctg 120
tatatttnct aaggggggng agaacctttt gaatgtgtca 160

<210> 4172
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 4172
acaaccttac acaggnagnc agntatgacc atgattacgn caagctctaa tacgactcac 60
tatagggaaa gntggtacgc ctgcaggtac cgggccggaa ttcccggntc gacccacgcg 120
tncgttctat ttcttttgac aaatnngaac atttctaaaa ctaaaagagt ctttntattn 180
ttaaaacaca agtagaatga tttaaatagg attttaatga atttttggca agtggntgtn 240
ttaantttta aattgaga 258

<210> 4173
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<400> 4173
gctctaatac gactcantat agttgattgc tggnacgcct gcanntaccg ggccggaatt 60
cccggatcga cccacgcgnc cgaattgctg gcagccattt atgntaaaaa tgcatatatg 120
cattctgtna ggaagacttt atactgntan 150

<210> 4174
<211> 201
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<400> 4174
nacgcctgna ggnaccggtc cggaattccc gttcgancca cgcgtccgcc cacgcgnccg 60
catatttata gcttatcact taatttttgtg tgccagggaa ggcatggcca gaattaatat 120
gccacagtac cctcatcatt gnttttatag ccattcatgc cccnncttcc tntggcacat 180
tttctaagan attatttcat a 201

<210> 4175
<211> 131
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<400> 4175
tgattacnnc aagctctant acgactcaat atagtgattg ctggnacgcc tgcagntacc 60
ggtccggaat tcccgggtcg acccacgcgt ccgcccgtcc ccgtctctcg natttgtggn 120
ctncttggct c 131

<210> 4176
<211> 181
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<400> 4176
aaacagcnct gaccatgatt acgccaagct ctaatacgac tcactatagg nattgcttnn 60
acgcctgcag gnaccggacc ggaattcccg aatcgaccca cgcgtccgct aacaggccnc 120
atacttaaga ttccatctac tttaagttna aaggattttn agaatnacct taagtgcnaa 180
a 181

<210> 4177
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<400> 4177
naaccgncaa natgcgacaa atccccgaaa ntttggggtt aagggcacgt accgcgtccg 60
gaattcccgg gtcgacccac gcgtncgcgg acgcgtgggg ccctgttccg ttacccgngc 120
tacctcagcg gctacnagac nacactggnc ctgggcccgc tgnatgagtc accctgtgtc 180
cacgccacgc ccccgctgag cctccccccag aacctcacag ntgaagggac aggcaaccnt 240
ggagccngcg tgtcagncat ccgggaactn ttcaacttct ccagctgcca gggcca 296

<210> 4178
<211> 166
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 4178
cacacacaac tattattatn attatgtttn caagttcagt tnttagactg atcattcaca 60
aagggtggtt ttcagtntgc tgagatcttg nttttctttt tgtgttcaca gatgaagccc 120
ggggcaagaa ctgtggngnc ttggtacatt gctnggctgg cattag 166

<210> 4179
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<400> 4179
tncctcttcc acgagnaccg gaagatgngc acatgcgagc ctggggctgc ncgntgaagg 60
gactacttgc ttcgaaccgc tagacagtga acaaaggaac ttgatagctg ncctggacca 120
ggacgtcttg gcacaacctt atccggaatg caactacanc tacnccatag aacatcttac 180
nccccatcaa ntgagntgag ggggcgcaac ccgggttggc cccattggca acccangncc 240
tttagtagtc ccncccccca aaaaaanccc tttaggcatt tccttgggcn aaaatcg 297

<210> 4180
<211> 128
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (114)
<223> n equals a,t,g, or c

<400> 4180
ttngnggact gggtgtctct ggtcgaactc tgtccaaaaa cgtgcatggg atataacttg 60
anaagcttgc cacaattgnn gtataaagca tgtggccata cccaatttca ganngcttac 120
caatagag 128

<210> 4181
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (397)
<223> n equals a,t,g, or c

<400> 4181
gagaacaata ctgtaagggt aagaaggata gatttctttt tctattgact gctgaggacc 60
gaagctctag aatgtctaac agttcagcca ggatcacata ggaatattcc gattcagagg 120
cagaaatctg tggtctgcac tatgctttca ggtcagatta gaggctcatt ccttttgaca 180
ccatgccatt gtgagcttcc aaaacaagat ccgctctcag gcaagcctct gaatgggtta 240
caaagttcaa aatggagcca agcacaagaa gagttgccaa gagtgataca gaacgctctg 300
tgggaagctg ntgtggaaaa tcagcacacc cagcgcctgt agtaatttaa ccaatacagc 360
anaaaaacgt agcttgcgtg tttttnaaaa aaccntncac aga 403

<210> 4182
<211> 174
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<400> 4182
caggtacgcg ggccggaatt cnngggtcga nccacgcgtt cggcgttcna tccgctggaa 60
ggagagnaat caggaaaccc attgatagga ttatcgccag gcatgacctc tntcaatngc 120
cactttctat tcttttgaag tagaactntg gagcnacagg gcnacagacg gcgg 174

<210> 4183
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<400> 4183
nggttntcac attcaaaggg aatgagattt gaaaatgatt tctttgagtc ctctgctgag 60
gtctttccaa ggcactacaa ttagggcttt gcacccaaat acccttgcct cattttggtc 120
attttgtcct ggaacagagg ttcagctggg agacccctca cacacaggtg aaggcgtggc 180
tgtagaacct cagacccccc ggtctcctca ggaatgaagg tcattgccat cctcaccctc 240
ctcctcttct gctgtaagta gagagcttgg tgggtcagca ccaagcttct gtcttcctgt 300

ttatgtcagt gggaggggg actctccagg tggcaccagg tgagggaagt cacaagtcct 360
gcagaaaaga atcaggaaag gaacgggctc ccaccaacgt cctcttgctt ctgtttctgc 420
tataaaatgg gctgatccca gtgttgggat cttataaagt gtctaggaaa tcagaggttg 480
ccaaccattt gctagaaagg gagtttgact actattttac ccncctnacc ctcaagagnc 540
ttttttcctt tggatgctan nagcctttat ttaaggccat t 581

<210> 4184
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<400> 4184
gcggacgcgt gggattgaat aggtcagaag tagaatcttt tcaatagggn anaaagttgn 60
ggtgnagagg antatg 76

<210> 4185
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<400> 4185
aacagcttaa gtccatgggt aatccgttna tagaaattgt gtttgctaan aaggtgccat 60
ttannc 66

<210> 4186
<211> 156
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<400> 4186
gaaaactgtc ttcatatatt taaaagtgtn atcattttct taaaagttnt acaaaagctt 60
tgtatttctt atttaaaaaa tctttgcccc atttggtgaa gatattctct tatttgttnt 120
cntaaaaatt accttnatag ctntgntttt aatatt 156

<210> 4187
<211> 172
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<400> 4187
gcttttgaat tttgttcaac atgatcaata ttacatgtta ggatcattca gatgtagtga 60
atgagagttt atagtggttt acttatttaa atatttgact tttaagttcc tcacaatata 120
tttcattctt ttntctnctg ttgcatggat anngcatata catacctana aa 172

<210> 4188
<211> 138
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<400> 4188
cgaccgncgg ctgcggcntg gacggggcat gncatgtngc cattgactgc ggcgcggtcg 60
gccatgcagg actactntgt aagccccata ggagatcctt ggcgcacaat gctgcggttc 120
tncctcgngg gcttnang 138

<210> 4189
<211> 67
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 4189
gactagttct agatcgcgag cngccgccct ttttttccct ttttacattt ttcttnttgt 60
ttatgat 67

<210> 4190
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 4190
tncttattga angatgagat ttacattttc aaagatgatt naaataattt tnnttaatgn 60
ctgcaaaccn ttggcttgtc taaggaatga acaganggtn tnaagggctn attaagaant 120
aaantgaant gacatttana aatatggaaa tccattaaga gtntttaagg agcttgggga 180
gaggagcttt aataagaaaa gccatctgca ttgacagcca agaaccattg nttctttgtt 240
gaaaactgac catttcaacc tgcacatgca gttgaggata agtttactga tcttgccaca 300
gatgagtttc aaacagaagg aataaggaaa acagtatcaa ttgtttccct ggaactncat 360
tcanatttca aggcgagtgc aatcagaaag gatgatttct acttgctggg ttgatttaat 420
ccctttccan atgattgaca ttttctgctn ggn 453

<210> 4191
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<400> 4191
gcccacncgt ccgcccacgc gtccgcttta gacgtaatac gtctaaaggg gatnggacca 60
tgatctttac ctgntgactc tggaattgaa taaanaaaaa ttnc 104

<210> 4192
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<400> 4192
ttttccnttc agccctgaca acccatccac acacgggcan gcctgttnat ntacactgnt 60
gcccactact ctctccagct ncacatgctg tacctggatc attctgaagc aaattccgan 120
cattacatca ttgtgtccat aaatatttct aacatnctta aatatacaat cngaattcaa 180
gcatctccca ttgtnccaca aatgtttggc tgatgntgta nttgnattgn ttgtattagg 240
attaaagcaa ggnccatata tngnatntat tngaaatgtc tgnaantctc tntccatcta 300
cagagtttan canatttgaa cgttgctggt tgaaatcccg aggtgtcatt tgacatggnt 360
ctctgaactt atctttccta taaaanggta nta 393

<210> 4193
<211> 267
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<400> 4193
ggtaacgtta ctgtattatt ctacgtaaat gtgggtactt ggatgtttat catactgttt 60
ctctgtgttt acatactaat ttgtgtaaga aatgcatttt agtctgtgta cctcaacctg 120
ctgtttgttt cctanaggtg ttagtantnt ttaaatacaa gtaagactta agaggatatt 180
tgatgttatt tacctggata ttttattccc cttttatnta tncacaggaa attgacattc 240
tangaccant aaaatgaana caaaatt 267

<210> 4194
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<400> 4194
gcgcctgtgt gtggaacctg caatcacact gggaagttga gttgggagga gattcctgat 60
tcttacacgc acttcttcat atgtggttcc ctcctggnga tcaccaggag gtccccaaaa 120
gtccctgatt gcagggtang tttgcagctc tgtttcagtc cattcttttg gggtagctag 180
gaggtgtcat tnactctgca ncatgatggc aggagcanaa gccacatntc ctccccaata 240
aatacctctg tctttcctta cgctaatnac aaaanaaaaa anaaaaaaaa aagggcggcc 300
g 301

<210> 4195
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 4195
ngnacgnctg caggtaccgg tccggaattc ccgggtcgac cnatgcgtcc ggttatatca 60
gtaataaaaa aaataacaga acccttaaag ggnatccaca ntgantggnt 110

<210> 4196
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (455)
<223> n equals a,t,g, or c

<400> 4196
gccacgtgga gagaagttgc cctccaggcc gacaggaggc catgcccacc gcccctggac 60
aggcttcgtc tcagaaggct ctatctgctg ggctggcggc catccccgtg ttgggtggac 120
cccgagcacg gttgcctgag gtccgatggc ccgagagctg ggactcagtt cttggcctgc 180
tagcggctga acaggccgca catctcactt cagttgtggc ctcattcagc agatgactct 240
ggaaccatcc tctgttaccc gcagatcctg tcccatgggc tctggcccca agatgttggg 300
gggccccacg gagagttgac ttggtagagt tcctttctgg gaagaaagta ggagtggctg 360
accaggccct gctcatcacc cggatagagg acacggaccc ttgtgtggna ttttggcatt 420
ttggcttnaa agnccaatgn accattgttt gccanaaatt t 461

<210> 4197
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<400> 4197
gcggacgcgt ggggagtggg ggagggaggt gtgcatacca ttttatatgg tgtgagagct 60
tcanaccaag ganacattta accatctctc ccccttttcct ntggggtgac tgcanttgan 120
gaaagnatgc catggggtaa ggggacattg gtggncacat tttggtgaca gacccctgct 180
gttgtctctg tgtncccatt ntctggactn tggcctgncc tcctagtgct tgtgactccc 240
tctctttnan ccccaccccc atggtatgta tattcnttac aagtcctcca caagagcagn 300
tgtctangat gcggngaggg gaggctcctt nccttaggga gcgtggatag aaaggagcat 360
acttgttgnt gtattt 376

<210> 4198
<211> 65
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<400> 4198
ggagggaggg tgggaaagtt tgggggggggg gttgtgaaaa cttaggncta attctgnnct 60
ganct 65

<210> 4199
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<400> 4199
gaaganngtg tagaagaaat ctgccattta tattaaaaag aggaaaagga gcctctttct 60
taagacatct ctggatgaat gtttaagaaa ctgatggnta ttgcctntga tgaggggaat 120
tagatggctt gaggacgaag tggatggaag actttatatt atctttaccc ctttgtgtcc 180
ttttaatttt aaactacgtg atgtaacttg ctcaaaaagt agagataaaa tttaaaacaa 240
cccgaaaaat aaactctaga tcaattctat tgcttgncaa aggctttaat taancttgag 300
ggcaattctg ccttggntaa aggtattaaa gctatgcang caccaagctg aaant 355

<210> 4200
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<400> 4200
gctantaata aacggttgaa gtattgcaat aaaacttgag ttttaaaaaa aaaaaa 56

<210> 4201
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<400> 4201
gaaccntaca ttttccaaga ctcagggaac acagngatct acacagagtc ttgtgtttgc 60
acaanatgcc cagtggcacc atatggttta ttttggtagg caggatcttt gcanatgaaa 120
aaaaaatcta catgtacttg attttaattg anttacattg anaatangct cctntgga 178

<210> 4202
<211> 50
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 4202
ggtccnacgg gtccnggtac cagcacgtgc aggagtggtg ngagctgagn 50

<210> 4203
<211> 616
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (605)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (614)
<223> n equals a,t,g, or c

<400> 4203
gcttgaagcc tgaaattgca gcactcattt ggtgaccagg agtgggcaaa cagaaggaca 60
aaggcctaca agattaaata atcaagtcat tattgtgaat ttggatctaa atgacctggc 120
agaaaccatg gagatgatct tggatttaaa gaggaaaaac tcaaagcaat gtattctgat 180
caagaaatgg caggaaatgg cagctacctg atatggaaca atcaacaact gaaggtttat 240
tttgaatgag aggtgttgtc caactgcgag acggagtgat tgaagctgag aataaatgga 300
aacacaatca atagtcactc cagtgaggta ggaaagaaag ccattccgaa gtggcagaga 360
agctgctttt tcctcctgca tgctgcctgc tagtgtggat cttggcataa cagacactac 420
ttggcaaaag atccatcctt ccttttccta tactttgctc agcggcctgg aagattganc 480
tnaaaagcaa aatcacctgg atttccttgc catttggctt tcaaatgtgc tcagccaatg 540
acaggctgga aagaaattga cagcntggga aaaagaggaa naatttgtgt ccaagaancc 600
ttccncttcc catntt 616

<210> 4204

BNSDOCID: <WO___0122920A2_I_>

<211> 94
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<400> 4204
gaaacnttgc agacatggag gtcctgtnct ggacacaccg tgaaggagca gtatggaaac 60
tcttcggaag ctncaanatg atggangtgg ctga 94

<210> 4205
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<400> 4205
gtctcgaatt gctttatcta agtggcttcc atcagcagag gataggttct ttagtcctat 60
atgtttatat gtggagaaat ggtacaggat aggaactgtg tttgaagacc tgatgtatat 120
ttacaaatag gtagatctca ttagcttata atatttggct ttgaagttga aggctagttt 180
tattcattgc actgtatttt gctatcagat gtgaatttat ttagaaataa agaattctgc 240
tgtgaataat tgaggaaata cttaattcct tgacttatgt aaagaacacc ttgttcaatt 300
ggattggggn aantngttan ggtgctaagg ctctgagtga aactctnagt actgtatctg 360
tgtcaatggt 370

<210> 4206
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<400> 4206
tccactatag ggnnagctgg tacgccngca ggtaccggtc cggaattccc gggtcgaccc 60
acgcntccgg accaattncg ggacagtcaa ggattctcaa tntgnatnnt ccaggcaaga 120
gaactttgta cnccttctct gtgtggatag actncncagc gttnttccta tggaaatgcc 180
cacagggctt gacgcgtgga gactgatntg ntncatncgn tagcgcgagg nancagngtc 240
gcctcgcccn tcccactgcg ggctcacggg gagctggcgt ctgncagtgc cttggcacgc 300
ctggnataaa ggttggctgg angcctgtca ctggcttntg gagctgaagg n 351

<210> 4207
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<400> 4207
ggtggattct ttttctctcg tggtctcact ttgttacttg tttctgtccc cgggagcctc 60
agggctctga gagctgtgct ccaggccagg ggttacacct gccctccgng gtccctccct 120
gggctccagg ggcctctggt gcggttccgg gaanaagcna cacccnanag gtgacagctg 180
agcccctgcc acacccnagc ctctgacttg ctgtgttgtc canaggtgag gctgggccct 240
ccctggtctc cagcttaaac aggactgaac tccctctgtc cccagggcct cccttctggg 300
ccccctacag tctaccctac ccctcctcca tgggccctgn angangggan acccaccttg 360
aagtgggggа tcaagtatag gcttgcacnt g 391

<210> 4208
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 4208
gaattctaat ggaaacgccc gactataggg tttgntggaa cgccccgcag gtaccggtcc 60
ggaattcccg ggtcgaccca cgcnttcgta cagtttntgg gaccacattg aggtggntga 120
ngatgaagac gagacgcacn 140

<210> 4209
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<400> 4209
ggatgnacct tntnngtggc ggttgtggtg gtcctctgag agagcagaaa ccctgcatgt 60
cagatagggt ctgccaaccc taccctgana tggagctgct tccagccaca tcccatcgtg 120
gcatcattgt ggctggtctc ttgngctgta tcactgagct gtggcgctgc gtatgtggag 180
gagaagactc aatanaaaga ggagtacact angctgaagc agtacantgc cagggcntga 240
tggccctcac agcttgaaag tggaacagct gcttgtgtgg actgaaagca agttgtcctg 300
ccttccttgt acttnaaacc ctgctttgtt ctgaaagnac ctgatgngcn ggttcgngag 360

<210> 4210
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<400> 4210
catgtataaa aanagttaca ttttanttan gcgncaaaat attatggtgg agcctaattt 60
gatatgctct ttaagtaata ttgagtnttt caaaagatac tncataatga tgaattaaaa 120
taactttata tntctctaan gaaataacan atagtat 157

<210> 4211
<211> 215
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<400> 4211
ttaatacatt accnaaaaaa aagaatgggg gaaaaagnaa aggnggcgtt aaggcccccc 60
acgaccgcca tgcacgctag ctctatagng caccnatcat cactgncgcg ttacaacgcg 120
tgctggaaac cctgcgtacc cactaatcgc ttgacacatc ccttnncagt gggaaacgaa 180
naggccgccg tcgccttcca cagtggcanc tnatg 215

<210> 4212
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 4212
ggttgtaagg aacctgcang catggacgna ctcgaataga tgctcatact cttcctggtg 60
tgcctgtanc ctncctattc tcanacccac tttcctgttg ctt 103

<210> 4213
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<400> 4213
aggnataccn ttctttggtt gagctaatca tgatatgtcc gaganctgga tttttagaac 60
tgcnatcttc tcctaatgna cctgacccca aagtcaggct gtccgcgnct cggcctgacc 120
gtcacacagg gcggcaacag agcactaaga cgtgngacat atgaaatnga anagaacgtg 180
naacagatna ttattctctt gaatgtgata g 211

<210> 4214
<211> 162
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

BNSDOCID: <WO___0122920A2 I_>

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<400> 4214
gtccttcttc tctatagcan cctcaccgtc ncncgagcag gtggagcang cgaacgcttc 60
tcatgctcgn atgcatgagg ctgtgacaac cactcacgca naaagcctct cctgtcccgg 120
taaatgagtn nacngccgga agcccccgtc cccggctctc gc 162

<210> 4215
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 4215
agtgaagtnt gcgaagataa gctcttaatt cgtggttgat ctgtatctct ngctttntaa 60
tgtaacaaaa atatcttaca gatacatgaa attangaana tctaaaagta ccattactct 120
aaactaana 129

<210> 4216
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<400> 4216
ttgctgcttg ngtgtnatct tgtncatgcc tgctcatgaa ctgtaagttc aatcaaccag 60
cagncatgca cactcgggat cactccaaat gatagnaaag cnaaanattt aaaggggtgt 120
ctcttgatan acagaacatc accatntaag ncgctgtttn acgactgtna cactgacaag 180
ttgtggtcaa nccngaggaa tgtcaagcag acantggtga acatttgana ggtcatagtg 240
agctttgtca atgganctac ctgcgatctg tggattgggc gaataaaaaa ngacacgntt 300
tg 302

<210> 4217
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<400> 4217
canccggagg aaaggcacgt nagganctgg tttggcggga ttcgtgaagc cgcgcaggtg 60
gtgggtgnac ggtgcaggag nagattgttt ggtactgagc gtgcgcgnna caggttgggg 120
gganatt 127

<210> 4218
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<400> 4218
gcgcggcggt ctgatnttca tctntgcgga gatgtcngcc tgtagctgac cttacgacct 60
gtggtncaga gagtccggga ggccgtctga cnacccagcc ngaaacagcn ctcggatccc 120
agctgataag gagctggggc tcggtgtcta tntgtgaacc actgcacgcg gacacattac 180
aggctcgggc tgnncgtcct ctcctgctgc agctgcatct ccgctaatgg ggccagctgc 240
taacattgag gntggnncnc atccnttcgg cgctccgtga gacaaggcag cctgnccacc 300
agctgngcac ttcgnctgat gacacagatg gctcatgaat gcctgngacc gggtgcggc 359

<210> 4219
<211> 139
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>

BNSDOCID: <WO__0122920A2_I_>

<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<400> 4219
aaatctgctg gtttgtcctt tntnctctnt ttcctacccc tcttaataaa gtgcatgaaa 60
agtacaggcc aacctnccac tgcctnctct gctccnagaa aactcgagga ntgncttctt 120
ttggtttact aactgttca 139

<210> 4220
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)

<223> n equals a,t,g, or c

<400> 4220
tcgcttgagt ccaggggcct ttnactatgt ttnntactgt cangaggnat atactgaccc 60
attgcttaga agaagtggcc cgctcaggga acccagccct acancgccaa atccgaaagg 120
gcaactctct ggnccctcca ggaggacccc agggntgaag gaagctgcct tgaccacatc 180
tccgcaggaa atggctcagt ccgtcaagnt gtgaaaaaag ctgnccgcgc tgnngagtcc 240
ttccaatgct gncatgg 257

<210> 4221
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO___0122920A2_I_>

<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 4221
tgctggtgna aggtgaaaag ggaacctaaa gctaaaaagc caagaagggg aanccattga 60
ccgcancctg ccntgcagag aatngcagga tcccgatctg catgattcag aaaggcatga 120
caagagaaga ctcaccgtaa atcaaggntn aaagaaaaga agngaangtc tcgcactgtc 180
aaaccagtgg tggtacaaga acggcggacc cgggtggtaa actcncaaat gctagaatta 240
tctctnaaga tgtcctcgaa gctgttngcc acggaaaaan cgatagtn 288

<210> 4222
<211> 149
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<400> 4222
ttgactttnc aaagaaacac ggctccgtcc gaccagaata aaggcnncca caaaaactca 60
ctcagggagg tggncgcggg gccncggctg gaaaacaatg catgaggggg ngcatctctt 120
cagcttagca gngtgacnca agaggctaa 149

<210> 4223
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<400> 4223
catacagaca actctataag actaccngag gacccnctac anattcanca tgacaagcga 60
taaggatcac tataactgtc ccacaangag tacagtctat aacatagctg ga 112

<210> 4224
<211> 200
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<400> 4224
attatatgtt ntaaaagncc tgattctnaa tgagggcnaa aagctggtgt attgtgtatt 60
gtgncgcggg ataaccctgt gtggaattgt gactggtatt tcagaagaag agaatggcaa 120
gatgagaagc tgnataagga gatgggtaga tcataggnac caatgcataa catanatnga 180
agatataang aagggaaaaa 200

<210> 4225
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)
<223> n equals a,t,g, or c

<400> 4225
aactcgctac cttcggagct tttaaccttt tgnctcggct caaccatccc gagattnggn 60
gataatggaa ccgacacaca cacaagnccc catcgcancc ac 102

<210> 4226
<211> 135
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<400> 4226

BNSDOCID: <WO___ 0122920A2_I_>

tgtgagaatg gggaaggggg ggncttaaaa ttctgtgggg gggntnttct ccaaacatag 60
ttccaccatc gcatcccccgg acccnnctgc atatcgatgc tngacatcgg ggagggagta 120
agctaccact gtctt 135

<210> 4227
<211> 180
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (171)
<223> n equals a,t,g, or c

<400> 4227
attagatagt nttcaaggct nacagaggtg acttgggcac tttaggcgaa tctactcnaa 60
ggtttggtat gtgnaaccca aggtatncga ttattgaaca gcnatatgat aggaatcttt 120
tcatacagca gtcttgggat gtataanctg aactgggnca tggcgagata nttgccaaag 180

<210> 4228
<211> 212
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<400> 4228
nngagctcaa ntgcgtgacg gctcacactt gtnaccagac tacatctgnt ttgatacatt 60
cacacacaag gtggacaaga gagtcaccaa atttgtacaa aactcacaca tnccacgtgc 120
agncactgac tctgcgggga cgcagcttct cttcccaaaa ccaaggacac ctcatgaatc 180
tcctnaccct nacgtacatn ctcgtgntgg ac 212

<210> 4229
<211> 145
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (98)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<400> 4229
tctntcaaaa tnttgggagc tttaagaacn ttgacattga aacgagctgg gaatggaaag 60
gctagcaagt atgctgggca tgcccnctga agccccngt gacgaggata ccataaatct 120
cttgtggaan nnagaccaga cgaca 145

<210> 4230
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<400> 4230
tnttacagcg ntcatgnatg gcttaaaacg tgacctcggc actaaagaga ttcgnaattg 60
catgaaggag atggaacnca gatgtgcgca ttgcaccagg ctcaacaaag ctgctggcca 120
aaggaataag gatgtccata ccgaatccgt gtgccggctg ccagaaacgt aatgaggatg 180
aagatcacca gataagctaa tacttggnac ctatgacctg taccactttc naaatctaca 240
gacagcaatg tgatgaaaca aatcgctgtc gtanatcaaa taaagtataa atcgcttcaa 300
anngaanat 309

<210> 4231
<211> 115
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<400> 4231
cactgcatct ggacttcctg aatgaggcgc tcggtnccca gctggatncn ggaacctgcc 60
cttcctaggn acaccctagg ntaccctctg ctccttccct gctgtgtggg gagat 115

<210> 4232
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<400> 4232
aagcccagnt ntccaaggtg tnagacagtn acgcaaatgt tgtgtcnagt gccaccgtcc 60
cagcaccacc tgtggcagga cgcagcttct ccccccccaaa cccaaggcac cctatgatct 120
ccggaccctg aggcacgtgc gtggnggtga cgtgaccacg aagacccgan gtccagttca 180
acctggaccg tggacngcat ggangtgnca taatgcnaga caagccacgg aggagcagtc 240
aacagcacgt ccg 253

<210> 4233
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<400> 4233
gaagtncatc gcttaacctg cgtggaattt tgcgaccttg tatgcaggga aacagggcnc 60
ctgaagngna ctcttctnag atatcaacta ttgatgatat cc 102

<210> 4234
<211> 231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<400> 4234
caagactgct tgtagacgcn caattccnna taccaaagct gaaaatggct gcataaatat 60
ttccccgtaa ttntcnaagg aaaatgatac aagactaatt acatactgat taaaaagcaa 120
nctagaaact tcttacatat ctctatttaa catttgnaaa gaaacaaatt gtcaggggct 180
ctgcagacaa catnatatct cttaatcatg caaattaaat gatnnatana a 231

<210> 4235
<211> 202
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<400> 4235
cctaattgan acaacttntt cagagaaacc ccttccccgg attngattga aaaggacctg 60
gacagnatng ctgttcacag actggttatc ttctcaggaa agaacaaaaa gtacaacagg 120
ctcttctaga aagtctggan tctgnctgga gatagncagg gagnaccagt gtagtgaagg 180
agaanctaca tcttaagaag tg 202

<210> 4236
<211> 103
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<400> 4236
ttatacatgc attgtgagaa aatgtgatgn ggcaagagtg agtaataatg ancctacaa 60
accncagcag aantngcatc ttatctttag aaaaaaaaga taa 103

<210> 4237
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature

BNSDOCID: <WO___0122920A2_I_>

<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<400> 4237
agaagctatt ctctnacgat tnatgtgtta gccctgtgna gttaactttg tgtcggtgcc 60
taccgcatat aagataagct gaaacgctgc tggagtgtgt gcngtgccac ctttggcgct 120
tcgggctnan caggtgcaag tggactgcac cttctgcagc tctactgtgg cgtttgtggc 180
ncgaagaact cgtnacttnt gtgacgaagt ggtggctctg tgcctgnctg ccagncctgt 240
nccatggacc cagtgtggtg aggcatctgc agcgcgntag gccagcgctg catgaccgtc 300
tgncctgacc catggaccca gatctgtctc ggtggccttc cctcatgcag gtgcannccg 360
gctaataaca tgtgtggctc caanntaaaa 390

<210> 4238
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<400> 4238
tacggggaaa cncgactcac ttttgggaaa gctgccacgc ctgcaggtac cggtccggaa 60
ttcccgggtc tncccacgct tncgctaaag agttgctgct tttttcataa aaaaaaaaaa 120
aa 122

<210> 4239
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<400> 4239

gagggattgt gacgacgagn ttgggagagg acaacagaga aatgganaga tgtggatgga 60
gttcctttag tctctgctct tgtgctcctc tgggggaatg tcttatacng ttttaaagga 120
ctctgtggtc aagaaagttt gggaaacact gttccaaatg tctgcaagcc ccatgaccct 180
attcaactcc atgacagctt ctattgatag gctctatcct cactgtaaaa attttcaatg 240
tatgctctga tggtcactgg taaagaatgn tacggaacca gcttggtntt ctggaaactg 300
gtaaataaca ggaacnatna ngcattaatt ctgctattgg tcactaata 349

<210> 4240
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<400> 4240
ggcatggcgg agccgctgnt gcgccgcgga gaggccgggc gagtcgggcg ggntcggcgc 60
ccgcgctgag ccgcggagga ggggcngagg acgcccctgc agccggngcg tctgccctca 120
gtgaggcggg gcgcgcggcg gacgcccccg ggcaggggcg ggagnggtgg aggcgccggc 180
ggatggcact gacaggggcg gtgagcgagc cgctccggtc tccgggcgag gcttggcctt 240
cctagcagan acgccgtcta ccgcaggacg ttccancgag ggaaaannan tcggatcgta 300

<210> 4241
<211> 131
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<400> 4241
ggtacgtgat annttggga angccccgg tccggttttg ccgggtcgcc ccacgcgtgc 60
gaaagngatn atacatgtat ttgaacactt gatggttcna acagtcttaa atgtaatgct 120
tggggnnaag c 131

<210> 4242
<211> 146
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<400> 4242
cncngggaac gccccctata gggtnaggtg gaacgcccgc aggtaccggt ccggaatttc 60
cgggtcgacc cacgcgtccg gcgtgatnca nggtctgggg accacagtgc tgatggaggg 120
ngaggctacc tnaagaaagn gagatg 146

<210> 4243
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<400> 4243
ncctantata gggtnaggtg gaacgcccgc aggtaccggt ccggaattnc cgggtcgacc 60
cacgcgtccg gggctcntcg ggaccagatc cgcgagcccg tcagcctgng ccatgggctg 120
cgacggccgc gtgtcggggc tgctccgccg caacctgcag cccacgctca cctactggag 180
cgtcttcttc agcttcggcc tgtgcatcgc cttcctgggg cccacgctgc tggacctgcg 240
ctgtcagacg cacagctcgc tgccccagat ctnctgggtc ttcttcncgc agnagntntg 300

<210> 4244
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<400> 4244
aggccccggt ccggntttcc cgggtcgncc cacgcgtccg ctctgtttna gagaggccag 60
gctggtttct gccntnatcc tttaacacag catcttctcc cagaggcctg aggatgggaa 120
aaagtgatgg agaaaagggg aacccctaag gtcacccctc agccaggggg aactgtttaa 180
caggggtttg tctctgccct tttgagcctt tggntttcta cctggctcag gcacccaggt 240
ttatgttttc tagatcaaaa ctctgcatgg nctccctgag aagactggga gaagaanttg 300
nccntcagga ntgggatt 318

<210> 4245
<211> 206

BNSDOCID: <WO_ _0122920A2 I >

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<400> 4245
ggctcgcctt tcacaaagag cttcaacagg ggagantgtt agagggagaa gtgcccccac 60
ctgctgntca gcnncagcct gacccnntcc catnctctgg nctctgaccc tttnttcaca 120
ngggacctac ccctattgcg gtcctccagc tcatntttna cctgaccect cttcttctnc 180
ttggctttaa ttatgctaat gttgga 206

<210> 4246
<211> 137
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<400> 4246
cctnttngaa agccccggtc cggatttggc gggtcgaccc acgctgtccg gngancttt 60
tattaggaaa tgcatntaac catgttttag atgagtgcta aaggaagctt ttnaggggc 120
ccctgncaat aagggag 137

<210> 4247
<211> 108
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<400> 4247
agggtggaac gcccgcaggt accggnccgg aattnccggg tcgacccacg cgtncgggca 60
taatcngggc tcacctggac ttaagcagnc tggctggaat ccacagtg 108

<210> 4248
<211> 164
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<400> 4248

accacngaca nctcggaaac gncccactat agggttaggn ggaacgcccg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtcc ggtactctnt taaaattcct gtgtaaactg 120
ggactttgcn gttcacnttc ttgtgtttca agaacagtan cncg 164

<210> 4249
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<400> 4249
ggacnctgnc cntgagtccg nccgaatccg ctcnccacgc gtcgaactgg cctacggctt 60
gtctatctgc tgatgagcta agaatttgca agacagtaca gctgcagcag ncatcactaa 120
gcagaacttc tnnagccaca catnaccaca gaatctcact ggncattgtg ctatgctctg 180
ccaatggcat gctgaa 196

<210> 4250
<211> 259
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<400> 4250
cccntttctc gcccatgatg aatgagggtg ngnatgtctc gtagtacang nacgatgacc 60
tctttccacc gtgtgctggg aaaaggcatc ggagacctgg catcgcaaag ctctctttga 120
ngaaagatga tctcgatnca tcccgagctg angcctcatc aagaagggga agattcgtga 180
aaccctgaag tgaccntgtn ctggtggcna gttcctaatt atgaaaggat atgcactgaa 240
agccgtncng ataacttga 259

<210> 4251
<211> 187
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<400> 4251
ccaccncgtc tttgactgcg tactctgtan gttgctcacn gcatntgcan acatcctatt 60
atgtcatata atatgcagat gacataagac tattttctaa acatcctcca tcttccacag 120
agtgtgatgt cannccctcag tgnctatntg gacttagatg ggntcactct tctctggaat 180
gatgaga 187

<210> 4252

<211> 134
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<400> 4252
cnctgctgac cngtccanag tcctgtagaa tgtcgttctg tctgtctctg actgcctgtc 60
tactntggtn cgcttgggac aactagaaac ttaaacagca aatggccaag tnaacanaca 120
ttgtgcatan gctg 134

<210> 4253
<211> 115

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<400> 4253
gngactncgc cgaagcaggc ttctcgcaac tccgggagag nacaaggatg cagtgtccag 60
gcaacatgtg tcgccaggna gganctgtac cttctgttcg anacnaatgc ggctg 115

<210> 4254
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<400> 4254
acattggtgg ctctatgtgg atatnatgcc tcatttcanc tgcatctnta catttactga 60
gagctgtcat tgagccntca tcantcgcta ctggagaaca tatg 104

<210> 4255
<211> 242
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<400> 4255
tggaccgngn aacgcccctn gggcgtcgtc cctaactcgt cattgtnttg tcgtcaagac 60
ttgaacacta acgagatatt gcagcccttg acggagaata gagcacatag aagctcggtg 120
acnaaaggtg agacactcac ctagaacagt gccgtgctgt gctgngaagg tgcttacaca 180
cacaggccac atgggaaagg cccagcagcc ntaagctnct acttctccat aaagagnaca 240
ng 242

<210> 4256
<211> 235
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 4256
cttncgtcga ccgatctgtg agctnagcgg agcctgngct gcccacactc catccgcgcg 60
tacacttctc tgctctangg ctcagancac atacgacgga tagcaccaca acctgctncg 120
gacgtcgatt gagctaagca tnggtgctgt cgtatccgtc tntgccgaag actgtgacgt 180
gaaatgaatn tggcagtctc tcaactcgat tcccanagcc gngactgatt gactg 235

<210> 4257
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<400> 4257
cgaatccnct caccacgcgt cgagctcctg tantctgggc tgtatgcctg ggtctctgga 60
ncagtngaaa tgggagacta gnctcagctc ctatacgcac cctggagagc ggctcatctc 120
tgatgtctag cagacctcct natagaatgg aacaactatt ggatggtacc tgagaaccag 180
gcagtctcac agntcctgat cattggtcta atccngnctc cgggtcctgc aggtcantgc 240
agtgggtatg cacanactta cactga 266

<210> 4258
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<400> 4258
ggggaaggna ccggggacca gttgggnaaa agggccccca tttnggggaa aaacgggccc 60
ccgtaagaag ggaaggatnn ggagagcggc gacgaaaccg g 101

<210> 4259

<211> 105
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 4259
attgcttaat tgcntggtta cctttnatat caactattat ctttctggga aagttttcgt 60
ttttctgtaa accaacctcc atngacncga naaatcattt cttaa 105

<210> 4260
<211> 101
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 4260
ccattgatct gccgcagnan tttctagaca atcggccaca atagaagctg cgtaatanat 60
agatgaaanc attcctctgt actctttaat nccatccttg a 101

<210> 4261
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<400> 4261
ggcacccttt ccctaccttt cccttcttna atctcctggt ttaccattaa tgacttcncc 60
tctgccatct actgacttaa ttttcaattc tgcnactcca tcttcaaacc ccctnanctt 120
tccnatccta ctcctgcnat gcattgaagg gtcaatgcat ttnggggtga gctctgggtt 180
taggggcccc ntccatccct nagctaccct ggatctttgc ccacctnttc ctcagagccc 240
ccactgaggg gccgtagcct atctaggggt ntggnaggag cagattggtt cctaactgtt 300

ttccctngtn tttg 314

<210> 4262
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<400> 4262
gcaggaccag tttggaaaag ggtcaggtaa gggtttccac tctgcacatt gtanagggaa 60
cactctgtan gcccatgggt cccttactan anangttgag tgaatttgcc ttcagttaac 120
atgggacctt ctgtttagct tcctcttgct tcccaaanat tttaancatt ttgtaaatgt 180
ataaactcac ctctggtaac antggcccan acctgctttg tgctaaaaac atgggaaatt 240
ttaagcagtc tttctcttgg aaatggatgc tattctattc tgctgcccct acttttnccg 300
aaggcctctt ttaaaaaaaa aatccccnca aaaggtttct ggcacccatt ttcttanccn 360
ggccaatttt nt 372

<210> 4263
<211> 559
<212> DNA
<213> Homo sapiens

<400> 4263
ggacagaggc tgttccctat ggcagaaggc aaccacagaa aaaagccact taaggtgttg 60
gaatccctgg gcaaagattt cctcactggt gttttggata acttggtgga acaaaatgta 120
ctgaactgga aggaagagga aaaaaagaaa tattacgatg ctaaaactga agacaaagtt 180
cgggtcatgg cagactctat gcaagagaag caacgtatgg caggacaaat gcttcttcaa 240
acctttttta acatagacca aatatccccc aataaaaaag gtgataaatt gggtcacaga 300
ggcagaaatc acaatttatg ttctgcaata tcctgcagct catccgaata tggaggctgg 360
accacctgag tcaggagaat ctacagatgc cctcaagctt tgtcctcatg aagaattcct 420
gagactatgt aaagaaagag ctgaagagat ctatccaata aaggagagaa acaaccgcac 480
acggctggct ctcatcatat gcaatacaga gtttgaccat ctgcctccga ggaattgagc 540
tgactttgac atcacaggg 559

<210> 4264
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 4264
ttaacccgca ctaagggcac aaagtntngn nctncaccag gtggaggccg ctcctagcaa 60
ctagtgggtc ccccgggnct gcagggaatg gtcacgnggg gtcatgcagg atgtggtgga 120
gggacttcaa gnaataagta cgaagatgaa attaaccgcc gcacagctgc tgagaatgag 180
tttgtggtgc tgaagaagga tgtggatgct gcctacatga gcaagtggag ctggaggcca 240
aggtggatgc cctgaatgat gagatcaact tcctcaggac cctcaatgag acggagttga 300
cagagctgca gtcccagatc tccgacacat ctgtggtgct gtccatggac aacagtcgct 360
ccctggacct ggacggcatc atcgctgagg tcaaggcaca gtatgaggag atggccaaat 420
gcagccgggc tgaggctgaa gcctggtacc agaccaagtt tgagaccctc caggcccagg 480
ctgggaagca tngggacgac ctccggaata cccggaatga gatttcagag atgaaccggg 540
c 541

<210> 4265
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 4265
naggnggggn attccttgat taccactctc naaattaacc ctcactaaag ggaacaaaan 60
ctggagctcc accgcggtgg cggccgctct agaactagtg gatccccgg gctgcaagga 120
aattcggnac aattcccagg ncacagcaaa ggtcngtnaa acccccccn ccatccccag 180
ttatnnggggt ccccnggaat cctcctgttc ctnnaatcag gctcngtttn ccccctagcc 240
actacgggna gnctctgaga gtgccgcttt acttgcattc tgcaacaatt acntgtntcc 300
ttnagatcct ngggccaant tccctccctc tcccagctcc tggcccctgg ggccagggcc 360
cctcttgctg tttttacctc tgtnccttgg ggcctactac ccaagnaagc acccgaangg 420
ggggangttt tggggattan aagaggaaac cttct 455

<210> 4266
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<400> 4266
ccgccanccn cactaaaggg aacaaaagct ggagctccac cgcggtngcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagt gccattttaa tcaaagttgt 120
aatttttaaa aagtcaccta aaactctggt tttaaaagat cctctgtatt gaaaacttct 180
gataatgtat gtcattatgt ccttactatt ccttaattgt agttttaaaa tattggtata 240
gtacttgaca gagtaaatac ttcatctgat t 271

<210> 4267
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<400> 4267
gtcccaaagt gctgcgattn taggtaatga aagtatggga tgctcatgtg acagcagttt 60
gctcccaaga tgccagtgaa cttgtcngga agcttggtgc agacgatgta attgattaca 120
aatctggaag tgtggaagag cagttgaaat ccttaaaacc atttgatttt atccttgata 180
atgttggcgg atccactgaa acatgggctc cagattttct caanaaatgg tcaggagcca 240
cctatgtgac tttggtgact ccttttcctcc tgaacatgga ccgatagggc atagcagatg 300
gcatgttgca nacaggagtc actgtagttc aaangcatta aagcatntct ggann 355

<210> 4268
<211> 338
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 4268
gccgtcatct actctaccat ctttgcaggc acactcatca cagcgctaag ctcgcactga 60
ttttttacct gagtangcct anaaataaac atgctagctt ttattccagt tctaaccaaa 120
aaaataaacc ctcgttccac agaagctgcc atcaagtatt tcctcacgca agcaaccgca 180
tccataatcc ttctaatagc tatcctcttc aacaatatac tctccggaca atgaaccata 240
accaatacta ccaaatcaat actcatcatt nataatcata atggctattn caataaaact 300
aaggaatagc ccctttcatt ctgaatcccn aaagttac 338

<210> 4269
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<400> 4269
gaagctatcg ggcccatacc ccgaaaatgt tggttatacc cttcccgtac taattaatcc 60
cctggcccaa cccgtcatct actctaccat ctttgcaggc acactcatca cagcggctaa 120
gctcgcactg atttttttacc tgagtaggcc tagtaaataa acatgctagc ttttattcca 180
gttctancca aaaaaataaa ccctcgttcn acagaagctg ccatcnngtt atttcctcac 240
gcaagcaanc gcatccanna tccttctaat ggctatcctc ttcaacaata tactctccgg 300
aacaatgaaa ccataaccaa tacnaccnat caatactcat cattggataa gcatnatggn 360
tattggcaat taaaactagg aatagccccc ctttcacttc tgantcccan aaggttaccc 420
caaggnaccc cctgaaatcg ggctgcttct tctcacatga naaaaataac cccgctcan 479

<210> 4270
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 4270
cccacgcgtc cggacccacg cgtccgatca acaccctcct agccttacta ctaataatta 60
ttacattttg actaccacaa ctcaacggct acatagaaaa atccacccct tacgagtgcg 120
gcttcgaccc tatatccccc gcccgcgtcc ctttctccat aaaattcttc ttagtagcta 180
ttaccttctt attatttgat ctagaaattg ccctcctttt acccctacca tgagccctac 240
aaacaactaa cctgccacta atagttatgt catccctctt attaatcatc atcctagccc 300
taagtctggc ctatgagtga ctacaaaaag gattagactg aaccggataa aaaaagaana 360
agagangaag ananan 376

<210> 4271
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (536)
<223> n equals a,t,g, or c

<400> 4271
gagtaaacat tgctcaccag atctctctac gttcagaagc atttttttcat gcaatgacct 60
ctcaacacga gttgcaggac tacctcagga aaacttccca ggctgtaaaa atgcttcgag 120
ataaaattgc acagattgat aaagtaatgt gtgaaggatc actccacatt ttaagactgg 180
cacttaccag aaataattgt gttaaagtat acaataagct gaagttaatg gccactgtac 240
accagactca gcctacagta caggtgttat tatctacttc tgaatttgtt ggagcattgg 300
acttaatagc aacaacacaa gaggttctac agcaggaact tcagggcatt cacagtttcc 360
ggcatttggg atcacagctt tgtgaattag aaaaactgat agataaaatg atgattgcag 420
aattttctac ttattctcac agtgacttaa atagaccact ggaagatgac tgtcaagttt 480
anaaagagga aagactaata tctcttggat ttggctttaa aaccaanaaa gcttantttt 540
aa 542

<210> 4272
<211> 611
<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (579)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (582)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<400> 4272
ggaagagcac ccgctctccc tgggtgacca ggtgaccccc atcatcgacc taatggccat 60
cagcaacgct cactttgcca agctgcgcga cttcatcact ctgcgccttc cacctggctt 120
ccccgtcaaa attgagattc ccctttcca cgtgctcaat gcccgcatca ccttcagcaa 180
cctgtgtggc tgtgatgagc ccctgagctc cgtgtgggtg ccggccccca gctctgctgt 240
cgccgcatca gggaaccctt tcccgtgcga ggtggacccc accgtgtttg aagtgcccaa 300
cgggtacagc gtgctgggca tggagcgcaa cgagcccctn cgggacgagg acgatgacct 360
cctgcagttc gccatccagc agagcctgct tgaagcgggc actgaggcgg agcaggtggg 420
acttgcccag ggggtgggct ctggcctctg cagacacacn gcagaagtna cagctgtggg 480

ctctggtggc tgcaggtgac cgtctgggaa ggccctgacc aacacccggn ccgntgcccg 540
gccttcttcc caggccacgg tttatgagga acagcttang cntggancgg ggcccttcag 600
gaaaagccct g 611

<210> 4273
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<400> 4273
tattggtggc atcacagctc ccacagtaag acagtactac gcttanctca ccgncacaca 60
gtgcaagccc gtagnaacac aatgctgggt gtttggggtc attggtttcc tgggnngtcc 120
attgtttgca taaaatttgg acaagatctc ntgtctaana cccaaatact ctatgtngtg 180
ctttggcttn nttgcgtggc tttgnaccac tttcctctgt tcttttacgg catgntttgg 240
tatgcagaac actatgggtg cactgggnaa aagacctgac ttcggaagtg tgaaagatgg 300
gcacctnttg gttcccagtg gatncttcct ggncatcctt aggtnaaggg ga 352

<210> 4274
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<400> 4274
cagaaaatat gcctcataca acatgagaga tgtcatacag gaaagactcc ctttgtatgt 60
accgagtgcg gaaaatccta ttcacacaaa tatggcctca ttacccatca gagaattcac 120
acaggagaga aaccttatga gtgcaatgaa tgtggaaaag ccttcaccac aaagtcagta 180
ctcaatgtac atcaaagaac gcatacagga gagaggccgt atggatgcag tgattgtgag 240
aaagccttct cccacttatc aaaccttgtc aaacataaga aaatgcacac aagaganatg 300
ggtagaatca gtcaagttga aaactcctgt aatngagagt cacagctcct tccttataag 360
tgaactcatg cagaagaaaa ccctactagt gccgtgacta tggaaaa 407

<210> 4275
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<400> 4275
gntcgaaant aaccctcact aaagggaaca aaagctggag ctccaccgcg gtgncggccg 60

ctctagaact agtggatccc ccgggctgca ggaattcggc acgaggtaag tggcgcgatt 120
cgggcagncc ccgatggaac ctcctggtcc tgtgagggta cacagggaca agagaagatg 180
atgatgatgg gaccaaagga agaggaacag tcttgtgagt atgagaccag gctacctggg 240
aaccactcta ccagtcaaga gatcttccgc caacgcttca ggcatctccg ctaccaggag 300
actcctggtc cccgggaggc cttgagccaa ctacgagtac tctgctgtga gtggctgagg 360
ccagagaaac acacgaagga gcagatcctg gagttcctgg tgctggaaca attcttgacc 420
atcctgcctg aggagctcca atcctgggtg cggggacatc accctaagag tggagaggag 480
gctgtgactg tgctggagga tttagagaaa ggacttgaac cagagccgca gtcccagg 538

<210> 4276
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<400> 4276
gcaggggaaa aaccctatgt gtgtgatagg tgtgggaagg ccttcaggaa acagctcang 60
cctcacagtg cataaaagga tccacacagg tgaaacccca ctatgaatgt gatgagtgtg 120
ggaaggcata catctcacac tcaagtctta ttcaatcata aaagtgtcca ccaggggaaa 180
gcagccctat tattgttgaa ttgttgggaa atccttccaa ttatgaatca ntcccttgaa 240
ccagcacaaa agggatcccc cnctgggaaa naaanccctc cnaattttaa gaagtttggg 300

<210> 4277
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 4277
gccagggcct gaggggagg tttcctgaga actccggccc caggctggcc tgagctgccg 60
ggcagaggcc tgtgctggca acaggcattg ccgggcctgc agctcagagg gtcactggga 120
ctgagggcga tctgtggcct gaaaagcaaa tgcacagtta gtgcagctcc tgaccaggcc 180
ttcagggtgg acagagggag gatcggtcat ggcagccaca cctgggcctg gccttgctcc 240
gggacctgcc agaggagctg gcctggctct gtgcctgcct gcctccagga gcaggacggt 300
ggctgggagg gtagtgactg gggacacagg tgcangtgtt agtgcangac cggaagggtg 360
aggtggcctg gtcctcnggg ctnctggcct gggctggctg angca 405

<210> 4278
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4278
Asn Lys Lys Lys Asp Asn His Leu Leu Xaa Pro Val Gln Glu Asn Ala
1 5 10 15

Asn Ser Gly Tyr Tyr Glu Ala His Pro Val Thr Asn Gly Ile Glu Glu
20 25 30

Pro Leu Glu Glu Ser Ser His Glu Pro Glu Pro Glu Pro Glu Ser Glu
35 40 45

Thr Lys Thr Glu Glu Leu Lys Pro Gln Val Glu Glu Lys Asn Leu Glu
50 55 60

Glu Leu Glu Glu Lys Ser Thr Thr Pro Pro Pro Ala Glu Pro Val Ser
65 70 75 80

Leu Pro Gln Glu Pro Pro Lys Pro Arg Val Xaa Ala Lys Pro Glu Val
85 90 95

Gln Ser Gln Pro Pro Arg Val Arg Gly Thr Thr Thr
100 105

<210> 4279
<211> 59
<212> PRT
<213> Homo sapiens

<400> 4279
Gly Phe Pro Val Leu Phe His Ser Ala Phe Met Ser Gln Leu Pro Leu
1 5 10 15

Ile Pro Ser Lys Leu Ser Gln Val Glu Trp Pro Asn Pro Gly Met Met
20 25 30

Tyr Tyr Phe Leu Gln Ser Cys Asp Cys Leu Gly Gly Pro Phe Ala Asn
35 40 45

Phe Pro Arg Ala His Val Cys Leu Val Val Lys
50 55

<210> 4280
<211> 147
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO___0122920A2 I_>

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4280

```
Arg Glu Phe Asp Gly Lys Pro Gly Leu Ala Gly Leu Ala Thr Pro Pro
  1               5                  10                  15

Pro Pro Pro Pro His Gln Arg His Leu His Leu His Cys Pro Ala Lys
             20                  25                  30

Leu Arg Leu Leu Pro Leu Gln Arg Gln Leu Ala Ser Arg His Arg Trp
         35                  40                  45

Thr Pro Gly Ser Xaa Ser Asp Val Ala Arg Leu Ser Gly Lys Ser Val
     50                  55                  60

Leu Pro Leu Pro Ile Ser Met Pro Ser Pro Ser Val Ser Pro Glu Ser
 65                  70                  75                  80

Ala Val Tyr Leu Ile Gly Pro Val Met Leu Thr Phe Xaa Ala Thr Ala
                 85                  90                  95

Phe Ser Ser Lys Glu Phe Ser Ser His His Gly Val Ser Gly Pro Leu
            100                 105                 110

Ala Ser Trp Ser Lys Val Gly Leu Gly Gly Arg Tyr Gly Ser Gly Met
        115                 120                 125

Cys Tyr Arg Ser Tyr Gln Xaa Trp Gly Pro Leu Ser Val Ser Gly Ser
    130                 135                 140

Glu Arg Val
145
```

<210> 4281
<211> 53

<212> PRT
<213> Homo sapiens

<400> 4281
Pro Leu Trp Lys Thr Val Tyr Lys Thr Lys His Thr Val Phe Asn Ser
1 5 10 15

Ile Gly Ser Ile Ile Ile Val Tyr Tyr Arg Xaa Pro Leu Trp Lys Thr
20 25 30

Val Tyr Lys Thr Lys His Thr Val Phe Asn Ser Ile Gly Ser Ile Ile
35 40 45

Ile Val Tyr Tyr Arg
50

<210> 4282
<211> 45
<212> PRT
<213> Homo sapiens

<400> 4282
Ala Leu Ile Phe His Trp Gly Ser Ala Ile Thr Lys Asn Ser Ser Asp
1 5 10 15

Ile Phe Gln Leu Pro Lys Trp Pro Gly Thr Phe Cys Phe Tyr Glu Asn
20 25 30

Arg Phe Ile Leu Tyr Phe Pro Val Cys Leu Leu Cys Leu
35 40 45

<210> 4283
<211> 58
<212> PRT
<213> Homo sapiens

<400> 4283
Ile Ala Ser Gly Arg Pro Phe Phe Phe Leu Ile Tyr Met Asn Leu Gln
1 5 10 15

Ile Ile Tyr Ile Asn Leu Leu Leu Cys Gly Asp Phe Gly Gln Glu Asp
20 25 30

Cys Leu Arg Pro Gly Ile Gln Asp Gln Pro Gly Lys Gln Ser Glu Thr
35 40 45

Leu Ser Leu Gln Lys Ile Lys Thr Lys Ile

BNSDOCID: <WO___0122920A2_I_>

50 55

<210> 4284
<211> 65
<212> PRT
<213> Homo sapiens

<400> 4284
Val Phe Gln His Ser His Cys Thr Ser Ala Gly Asn Leu Ser Ile Leu
1 5 10 15

Tyr Arg Gln Ser Glu Leu Lys Ser Leu Met Ser Arg Asp Tyr Gly Leu
20 25 30

Asn Lys Leu Val Cys Pro Ile Gly Gly Lys Lys Pro Arg Asn His Leu
35 40 45

Leu Lys Arg Met Ile Cys His Ile Pro Leu Asp Phe His Phe Ala Leu
50 55 60

Tyr
65

<210> 4285
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4285
His Arg Ile His Phe Thr Tyr Leu Thr Ser Thr Ile Ser Ser Asp Thr
1 5 10 15

Phe Ser Met Lys Gln Thr Ile Ala Ile Phe Lys Ile Met Asn Leu Ser
20 25 30

Ile Ile Leu Pro Asn Ser Phe Xaa His Leu Cys Asn Phe Ser Leu Phe
35 40 45

Leu Leu Pro Leu Pro Val Pro Ser Gln Pro Leu Ile Cys Ser Gly Asn
50 55 60

Tyr Gln Ser Ser Phe Cys His Tyr Arg Leu Ile Cys Ile Phe Lys Glu

BNSDOCID: <WO__0122920A2 1 >

65 70 75 80

Ile Tyr Ile His Gly Thr Ile His His Leu Cys Phe Val Val
85 90

<210> 4286
<211> 62
<212> PRT
<213> Homo sapiens

<400> 4286
Ala Glu Val Leu Leu Glu Ala Ile Arg Lys Gly Ile Gln Leu Arg Lys
1 5 10 15

Val Glu Glu Gln Arg Glu Gln Glu Ala Lys His Glu Arg Ile Glu Asn
20 25 30

Asp Val Ala Thr Ile Leu Ser Arg Arg Ile Ala Val Glu Tyr Ser Asp
35 40 45

Ser Glu Asp Asp Ser Glu Phe Asp Glu Val Asp Trp Leu Glu
50 55 60

<210> 4287
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4287
Cys Arg Leu Leu Arg Arg Thr Xaa Lys Leu Gly Phe Ser Gly Arg Met
1 5 10 15

Thr Xaa Leu Arg Asp Pro Leu Gln Ala Arg Thr Lys Phe
20 25

<210> 4288
<211> 129
<212> PRT
<213> Homo sapiens

<400> 4288
Phe Leu Lys Glu Gly Ser Thr Pro Val Ser Asn Val Tyr Val Ser Met
1 5 10 15

Cys Val Cys Ala Ile His Met Tyr Ser His Glu Asp Arg His Gly Gln
20 25 30

Val Leu Leu Glu Glu His Ser Ser Val Thr Ser Arg Ala Thr Gly Pro
35 40 45

Cys Arg Ala Val Val Tyr Ile Val Gln Leu Trp Arg Trp Asn Ser Ile
50 55 60

Phe Thr Leu Phe Tyr Gly Ala Phe Arg Val Pro Gly Phe His Leu Arg
65 70 75 80

Leu Ser Val Trp Met Ala Val Phe Arg Pro Pro Leu Thr Ser Leu Pro
85 90 95

Ser Ile Leu Tyr Phe Gly Gly Leu Leu Ser Cys Tyr Lys Thr Phe Tyr
100 105 110

Gln Val Lys His Arg Tyr His Leu Cys Phe His Ser His Trp Cys Lys
115 120 125

Tyr

<210> 4289
<211> 345
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (156)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (186)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (209)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (288)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (301)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4289

```
Glu Ser Asp Gly Met Ala Leu Ile Thr Leu Arg Lys Asn Leu Tyr Arg
  1               5                  10                  15

Leu Ser Asp Phe Gln Met His Arg Ala Leu Ala Ala Leu Lys Asn Lys
             20                  25                  30

Pro Leu Asn His Val His Lys Val Val Lys Glu Arg Leu Cys Pro Trp
         35                  40                  45

Leu Cys Ser Arg Gln Pro Glu Pro Phe Gly Val Arg Phe His His Ala
     50                  55                  60

His Cys Lys Lys Phe His Ser Lys Asn Gly Asn Asp Leu His Pro Leu
 65                  70                  75                  80

Gly Gly Pro Val Phe Ser Gln Val Ser Asp Cys Asp Arg Leu Glu Gln
                 85                  90                  95

Asn Val Lys Asn Glu Glu Ser Gln Met Phe Tyr Arg Arg Leu Ser Asn
            100                 105                 110

Leu Thr Ser Ser Glu Glu Val Leu Ser Phe Ile Ser Thr Met Glu Thr
        115                 120                 125

Leu Pro Asp Thr Met Ala Ala Gly Ala Leu Gln Arg Ile Cys Glu Val
    130                 135                 140

Glu Lys Lys Asp Gly Asp Gln Gly Leu Pro Lys Xaa Ile Leu Glu Asn
145                 150                 155                 160

Ser Ile Phe Gln Ala Leu Cys Phe Gln Phe Glu Lys Glu Pro Ser Gln
                165                 170                 175

Leu Ser Asn Thr Ser Leu Val Thr Ala Xaa Gln Ala Leu Ile Leu Leu
            180                 185                 190
```

```
His Val Asp Pro Gln Ser Ser Leu Leu Leu Asn Leu Val Ala Glu Cys
        195                 200                 205

Xaa Asn Arg Leu Arg Lys Gly Gly Met Glu Val Arg Asn Leu Cys Ile
    210                 215                 220

Leu Gly Glu Ser Leu Ile Thr Leu His Ser Ser Gly Cys Val Thr Leu
225                 230                 235                 240

Glu Leu Ile Ile Asn Gln Leu Gln Gly Glu Lys Leu Glu Thr Phe Thr
                245                 250                 255

Pro Glu Asp Ile Val Ala Leu Tyr Arg Ile Leu Gln Ala Cys Thr Glu
            260                 265                 270

Lys Val Asp Glu His Gln Thr Phe Leu Asn Lys Ile Asn Asn Phe Xaa
        275                 280                 285

Leu Ser Ile Val Ser Asn Leu Ser Pro Lys Leu Ile Xaa Gln Met Leu
    290                 295                 300

Thr Ala Leu Val Val Leu Asp Gln Ser Gln Ala Phe Pro Leu Ile Ile
305                 310                 315                 320

Lys Leu Gly Lys Ile Cys Arg Glu Ala Cys Pro Thr Phe His Leu Thr
                325                 330                 335

Arg Ser Leu Gly Glu Ser Phe Glu Ala
            340                 345
```

<210> 4290
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4290

```
Glu Ser Pro Phe His Thr Val Glu Arg Cys Arg Cys Gly Lys Pro Gln
  1               5                  10                  15
```

BNSDOCID: <WO__0122920A2_I_>

Arg Trp Leu Pro Ile Leu Asn Pro Phe Ile Ser His Leu Ser Phe Phe
20 25 30

Ser Pro Phe Cys Pro Asp Val Ala Met Val Gly Trp Val Arg Pro Glu
35 40 45

Glu Thr Ala Ser Xaa Arg Gly Ser Ser Arg Ser Gly Gly Ser Ala Gly
50 55 60

Ile Gly Ala His Arg Ser Glu Glu Trp Pro Met Xaa Leu Pro Ser Lys
65 70 75 80

Cys Ala

<210> 4291
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4291
Leu Ser Ile Cys Ile Ile Asn Ile Ile Met Met Phe Phe Ser Cys Ser
1 5 10 15

Phe Gln Gly Leu Ser His Leu Lys Lys Leu Leu Leu Thr Lys Leu Leu
20 25 30

Thr Leu Phe Pro Leu Met Ile Gln Val Ser Val Pro Ala Leu Tyr Val
35 40 45

Asn Tyr Gln Asn Ser Pro Ala Ser Glu His Asp Ile Tyr Asn Arg Arg
50 55 60

Tyr Xaa Asn Lys Met Xaa Xaa Leu

65 70

<210> 4292
<211> 40
<212> PRT
<213> Homo sapiens

<400> 4292
His Ile Asn Asn Ile Lys Met Ala Ile Pro Phe Tyr Gly Val Thr Leu
1 5 10 15

Phe Leu Gly Ile Val Ser Lys Glu Ile Ile Leu Asn Ile Gly Lys Lys
20 25 30

Tyr Phe Tyr Asn Leu Gln Ser Val
35 40

<210> 4293
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4293
Ala Val Ala Leu Met Ala Pro Pro Ser Gly Met Ile Arg Val Thr Ala
1 5 10 15

Xaa Arg Gly Ser Phe Glu Trp Arg Pro Ala Gly Gly Asp Pro Asn Arg
20 25 30

Arg Ala Gly Arg Arg Pro Phe Ser Arg Glu Gly Pro Ile Trp Arg Lys
35 40 45

Ser Ser Arg Leu Val Lys Leu Gly Gly Arg
50 55

<210> 4294
<211> 39
<212> PRT
<213> Homo sapiens

<400> 4294
Pro Tyr Arg Ser Ser Lys Asn Ser Met Pro Phe Arg Leu Ala His Tyr
1 5 10 15

Gln Lys His His Glu Ser Ile Leu Lys Thr Asn Tyr Leu Leu Gln Cys
20 25 30

Ile Ser Leu Val Leu Cys Val
35

<210> 4295
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4295
Gly His Ile Phe Ser Leu Lys Ser Asp Ile Leu Ser Leu Leu Leu Ser
1 5 10 15

His Tyr Cys His Thr Phe Val Phe Phe Val Val Ile Val Trp Val Glu
20 25 30

Gln Leu Gln Glu Thr Leu Lys Pro Leu Asp Ile Lys Glu Ile Cys Leu
35 40 45

Leu Ile Phe Lys Ser Phe Leu Ser Lys Ser Trp Asp Thr His Gly Ser
50 55 60

Cys Leu Gly Asn Phe Pro Cys Cys Tyr Arg Ala Ala Thr Lys Trp Glu
65 70 75 80

Leu Thr Arg Arg Ala Val Tyr Thr Val Ser Leu Ala Thr Val Ala Xaa
85 90 95

Gly Ser Gly Ile Trp Leu Thr Gly
100

<210> 4296
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4296
Glu Val Asp Leu Gly Val Ser Trp Arg Val Ser Leu Leu Val Ala Gly
1 5 10 15

Gly Arg Asp Ser Trp Leu Trp Gly Trp Arg Glu Val Val Gly Arg Lys
20 25 30

Arg Gly Cys Val Pro Ala Thr Arg Ile Cys Ile Pro Glu Pro Lys Pro
35 40 45

Gly Gly Ile Ser Leu Arg Gln His His Pro Arg Glu Ile Cys His Asn
50 55 60

Leu Arg Phe Thr Ala Xaa Asp Ala Glu Ala
65 70

<210> 4297
<211> 53
<212> PRT
<213> Homo sapiens

<400> 4297
Gln Val Gln Ala Ala Glu Gln Pro Lys Pro Leu Leu Cys Leu Trp Ser
1 5 10 15

Arg His Ser Leu Phe Leu Cys Phe Leu Asp Glu Leu Ala Phe Thr Leu
20 25 30

Leu Tyr Gly Leu Ala Pro Asn Ser Leu Leu Arg Glu Ile Gln Glu Pro
35 40 45

Ser Phe Gly Ser Ala
50

<210> 4298
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4298
Ser Asn Val Pro Lys Thr Ser Lys Gln Asn Leu Ile Pro Xaa Lys Tyr
1 5 10 15

Ala Leu Phe Leu Leu Ile Cys Phe Val Leu Gln Leu Arg Ser Lys Ser
20 25 30

Leu Val Lys Leu Tyr Tyr Leu Pro Lys Tyr Lys Arg Xaa Leu Glu Leu
35 40 45

His Cys Asn Ile Asp Val Leu
50 55

<210> 4299
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4299
Met Gly Gly Leu Ile Ala Leu Ala Arg Glu Ala Ala Gly Lys Glu Asp
1 5 10 15

Arg Trp His Pro Glu Thr Ala Gln Xaa Trp Asn Arg Thr Pro Xaa Val
20 25 30

Gln Gly Leu Lys Phe His Gly Leu Val
35 40

<210> 4300
<211> 79

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4300
Gln Ala Ala Ala Arg Gly His Pro His Pro Ala Phe Xaa Arg Gln Phe
1 5 10 15

Asp Arg Gly Glu Arg Gly Pro Ala Gly Leu Leu Leu Cys Trp Ala Trp
20 25 30

Gln Pro Pro Pro Glu Lys Met Glu Phe Arg Thr Ala Ser Ile Arg Leu
35 40 45

Phe Gly His Leu Thr Arg Ser Ala Thr Glu Thr Val Arg Thr Ser Ser
50 55 60

Trp Thr Lys Trp Trp Ala Gly Trp Arg Pro Ala Ala Ala Pro Xaa
65 70 75

<210> 4301
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2 I >>

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4301
Thr Ser Ser Leu Leu Gln Ala His Ser Leu Ile Glu Ser Leu Val Ile
1 5 10 15

Asn Leu Leu Asn Ala Xaa Xaa Ala Ala Asn Leu Gly Lys Leu Leu Ser
20 25 30

Trp Trp Gly His Cys Trp Ile Asn Asn Val Arg Tyr Glu Leu Ser Asp
35 40 45

Ala Leu Thr Trp Ile Leu His Phe Lys Val Xaa Xaa Gly Ala Tyr Gly
50 55 60

Gln Pro Thr
65

<210> 4302
<211> 134
<212> PRT
<213> Homo sapiens

<400> 4302
Pro Asp Gln Pro Tyr Glu Trp Leu Ser Tyr Lys Gln Val Ala Glu Leu
1 5 10 15

Ser Glu Cys Ile Gly Ser Ala Leu Ile Gln Lys Gly Phe Lys Thr Ala
20 25 30

Pro Asp Gln Phe Ile Gly Ile Phe Ala Gln Asn Arg Pro Glu Trp Val
35 40 45

Ile Ile Glu Gln Gly Cys Phe Ala Tyr Ser Met Val Ile Val Pro Leu
50 55 60

Tyr Asp Thr Leu Gly Asn Glu Ala Ile Thr Tyr Ile Val Asn Lys Ala
65 70 75 80

Glu Leu Ser Leu Val Phe Val Asp Lys Pro Glu Lys Ala Lys Leu Leu
85 90 95

Leu Glu Gly Val Glu Asn Lys Leu Ile Pro Gly Leu Lys Ile Ile Val
100 105 110

Val Met Asp Ala Tyr Gly Ser Asn Trp Trp Asn Glu Ala Arg Gly Val

115 120 125

Gly Trp Lys Ser Pro Ala
130

<210> 4303
<211> 355
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (347)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4303
Cys Ile Ser Leu Xaa Pro Asn Ile Ser Leu Arg His Leu Trp Pro Gln
1 5 10 15

Arg Met Cys Pro Ser Gly Val Val Met Ile Thr Trp Gly Met Ser Arg
20 25 30

His Pro Gln Val Leu Gln Ala Thr Gln Glu Thr Leu Gln Arg His Gly
35 40 45

Ala Gly Ala Gly Gly Thr Arg Asn Ile Ser Gly Thr Ser Lys Phe His
50 55 60

Val Glu Leu Glu Gln Glu Leu Ala Glu Leu His Gln Lys Asp Ser Ala
65 70 75 80

Leu Leu Phe Ser Ser Cys Phe Val Ala Asn Asp Ser Thr Leu Phe Thr
85 90 95

Leu Ala Lys Ile Leu Pro Gly Cys Glu Ile Tyr Ser Asp Ala Gly Asn
100 105 110

His Ala Ser Met Ile Gln Gly Ile Arg Asn Ser Gly Ala Ala Lys Phe
115 120 125

Val Phe Arg His Asn Asp Pro Asp His Leu Lys Lys Leu Leu Glu Lys
130 135 140

Ser Asn Pro Lys Ile Pro Lys Ile Val Ala Phe Glu Thr Val His Ser

145 150 155 160

Met Asp Gly Ala Ile Cys Pro Leu Glu Glu Leu Cys Asp Val Ser His
165 170 175

Gln Tyr Gly Ala Leu Thr Phe Val Asp Glu Val His Ala Val Gly Leu
180 185 190

Tyr Gly Ser Arg Gly Ala Gly Ile Gly Glu Arg Asp Gly Ile Met His
195 200 205

Lys Ile Asp Ile Ile Ser Gly Thr Leu Gly Lys Ala Phe Gly Cys Val
210 215 220

Gly Gly Tyr Ile Ala Ser Thr Arg Asp Leu Val Asp Met Val Arg Ser
225 230 235 240

Tyr Ala Ala Gly Phe Ile Phe Thr Thr Ser Leu Pro Pro Met Val Leu
245 250 255

Ser Gly Ala Leu Glu Ser Val Arg Leu Leu Lys Gly Glu Glu Gly Gln
260 265 270

Ala Leu Arg Arg Ala His Gln Arg Asn Val Lys His Met Arg His Tyr
275 280 285

Ser Trp Thr Gly Ala Phe Leu Ser Ser Pro Ala Pro Ala Thr Ser Ser
290 295 300

Pro Ser Gly Trp Ala Met Gln His Ser Thr Ala Ser Ser Val Ile Ser
305 310 315 320

Cys Ser Pro Ser Met Ala Ser Met Cys Arg Pro Ser Thr Thr Gln Leu
325 330 335

Ser Pro Gly Val Lys Ser Ser Cys Ala Trp Xaa Pro Pro Pro Thr Thr
340 345 350

Ala Leu Arg
355

<210> 4304
<211> 161
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4304

```
Thr Lys Glu Lys Lys Asn Arg Gln Gly Asn Ser Leu Asp Met Ala Ser
  1               5                  10                  15

Glu Ile His Met Thr Gly Pro Met Cys Leu Ile Glu Asn Thr Asn Gly
             20                  25                  30

Arg Leu Met Ala Asn Pro Glu Ala Leu Lys Ile Leu Ser Ala Ile Thr
         35                  40                  45

Gln Pro Met Val Val Val Ala Ile Val Gly Leu Tyr Arg Thr Gly Lys
     50                  55                  60

Ser Tyr Leu Met Asn Lys Leu Ala Gly Lys Lys Lys Gly Phe Ser Leu
 65                  70                  75                  80

Gly Ser Thr Val Gln Ser His Thr Lys Gly Xaa Trp Met Trp Cys Val
                 85                  90                  95

Pro His Pro Lys Lys Pro Gly His Ile Leu Val Leu Leu Asp Thr Glu
            100                 105                 110

Gly Leu Gly Asp Val Glu Lys Gly Asp Asn Gln Asn Asp Ser Trp Ile
        115                 120                 125

Phe Ala Leu Ala Val Leu Leu Xaa Ser Xaa Phe Xaa Tyr Asn Ser Ile
    130                 135                 140

Gly Thr Ile Asn Gln Gln Ala Met Asp Gln Leu His Tyr Gln Ser Arg
145                 150                 155                 160

Ser
```

BNSDOCID: <WO__ 0122920A2 I >

<210> 4305
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4305
Val Leu His Ser Val Leu Gly Gly Trp Leu Gly Pro Gly Ala Val Ala
1 5 10 15

Ser Gln Gly Ala Ala Ser Pro Trp Gln Ala Ser Leu Pro Trp Ala Ala
20 25 30

Leu Pro Gln Thr Pro Asp His Pro Leu Gly Pro Val Pro His Gln Ser
35 40 45

Pro Ser Ser Cys Leu Trp Gly Ser His His Gly Val Arg Ala Val His
50 55 60

Ser Ala Ser Gln Cys Val Ser Pro Gly Thr Trp Glu Gly Arg Glu His
65 70 75 80

Trp Gly Leu Gly Pro Gln Leu Arg Gly Cys Leu Ala Leu Pro Ser Asp
85 90 95

Xaa Ala Tyr Pro Glu Phe Gly Gly Tyr Phe Pro Leu Ala
100 105

<210> 4306
<211> 36
<212> PRT
<213> Homo sapiens

<400> 4306
Leu Phe Leu Ser Ser Pro Gly Leu Glu Arg Val Thr Met Leu Phe Leu
1 5 10 15

Gly Leu His Asn Val Arg Gln Thr Ser Met Phe Pro Arg Asp Pro Lys
20 25 30

Arg Leu Thr Pro
35

<210> 4307
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4307
Gly Gln Pro Glu Val Thr Phe Ile Ala Ile Leu Val Leu Val Ser Phe
1 5 10 15

Phe Thr Ala Ala Cys Phe Ile Ile Lys Val Phe Ile Thr Cys Ile Leu
20 25 30

Cys Arg Pro Pro Val Ser Ser Cys Asp Leu Glu Cys Leu Thr Ser Trp
35 40 45

Glu Cys Ser Pro Val Gly Leu Ser Leu Ile Leu Leu His Pro Leu Ile
50 55 60

Gln Asp Gly Ser Phe Ser Gly Phe Gln Thr Thr Pro Gly His Val Phe
65 70 75 80

Pro Pro Pro Phe Leu Gln Gln Xaa Pro
85

<210> 4308
<211> 69
<212> PRT
<213> Homo sapiens

<400> 4308
Met Phe Leu Ile Val Phe Cys Phe Leu Gln Ser Leu Ser Ala Met Pro
1 5 10 15

Ile Val Leu Ile Phe Tyr Arg Ser Ser Leu Lys Ile Leu Asn Arg Gly
20 25 30

Ile Gly Ser Gly Gln Ser Glu Trp Leu Glu Phe Trp Leu Ser Lys Lys
35 40 45

Asn Phe Ile Leu His Lys His Val Val Arg Ser Phe Cys Ala Tyr Ala
50 55 60

BNSDOCID: <WO__ 0122920A2_I_>

Ala Trp Ile Gly Cys
65

<210> 4309
<211> 74
<212> PRT
<213> Homo sapiens

<400> 4309
Ser Phe Leu Phe His Tyr Phe Cys Tyr Phe Lys Cys Ile Ser Ser Gly
1 5 10 15

Ile Leu Phe Gly Ala Ile Pro Thr Lys Ser Gly Thr Arg Met Cys Leu
20 25 30

Arg Ala Val Thr Phe Gln His Asp Gly Phe Gly Leu Val Trp Phe Cys
35 40 45

Val Leu Phe Ile Cys Ser Phe Phe Cys Cys Asn Arg Lys Trp Leu Gly
50 55 60

Ser Leu Arg Trp Tyr Val Thr Asn Ser Phe
65 70

<210> 4310
<211> 171
<212> PRT
<213> Homo sapiens

<400> 4310
Met Leu Ser Pro Pro Arg Thr Thr Thr Gly Ser Met Thr Ser Trp Gly
1 5 10 15

Thr Cys Gly Ser Gly Gln His His Arg Thr Arg Leu Leu Ser Arg Thr
20 25 30

Cys Ala Ser Ser Gly Gly His Pro Gly Ser Thr Gln Leu Met Ala Leu
35 40 45

Pro Ile Thr Gly Pro Gly Ser Pro Pro Gly Trp Ala Thr Leu Gln Ile
50 55 60

Gln Pro Gln Thr Thr Ser Val Ser Ala Val Leu Gln Thr Gln Ala Gly
65 70 75 80

Arg Gln Gly Ser Cys Lys Gln Pro Gly Gly Asp Lys Glu Lys Ser Leu
85 90 95

```
Leu Gly Ser Leu Ser Phe Pro Gly His Val Ala Asn Ser Ala Ile Pro
            100                 105                 110

Ser Ser Arg Ala Ser Ala Ser Gly Lys Asn Phe Pro Phe Pro Val Ser
        115                 120                 125

His Pro Ser Val Ala Gly Ala Ser His Gln Gly Arg Arg Gly Leu Ser
    130                 135                 140

Leu Leu Cys Phe Gly Glu Gly Ala Gln Cys Val Leu Thr Met Ala Gly
145                 150                 155                 160

Gly Gln Val Phe Leu Leu Glu Ala Lys Tyr Tyr
                165                 170
```

<210> 4311
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4311

```
Ser Ser His Leu Ser Leu Asn Glu Ala Val Val Ile Ser Gly Arg Lys
  1               5                  10                  15

Leu Ala Gln Gln Ile Lys Gln Glu Val Arg Gln Xaa Val Glu Asp Gly
            20                  25                  30

Val Gly Ser Arg Gln Gln Thr Ala Thr Pro Glu Cys
        35                  40
```

<210> 4312
<211> 74
<212> PRT
<213> Homo sapiens

<400> 4312

```
Arg Phe Lys Ser Arg Leu Ser Ile Leu Leu Ser Ile Leu Phe His Phe
  1               5                  10                  15

Lys Lys Lys Gly Phe Gly Ile Cys Gln Pro Leu Leu Ser Leu Leu Tyr
            20                  25                  30
```

BNSDOCID: <WO___0122920A2_I_>

Lys Ala Thr Ala Leu Val Leu Asp Ile Met Pro Gly Leu Ile Ser Gln
35 40 45

Thr Ser Gly Leu Asn Gln Val His Ala Trp Leu Leu Lys Lys Leu Met
50 55 60

Leu Ile Pro Lys Ser Ala Gln Ser Gln Pro
65 70

<210> 4313
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4313
Ala Gln Val Asp Phe Arg Arg Thr Pro Ile Asp Ser Thr Ala Ala Pro
1 5 10 15

Gly Ala Gln Thr Pro Ala Ala Arg Ser Lys Ala Arg Ser Cys Cys Ser
20 25 30

His Val Gly Pro Gln Pro Pro His Ser Gly Pro Ala His Gly Xaa Pro
35 40 45

Pro Ala Ser Cys Gln Gln Gly Leu Gly Asn Phe Ser Pro Gly Cys Arg
50 55 60

Ala Leu Ser Arg Trp Pro Cys Ser Trp Ser Ser Leu Gln Ser Pro Leu
65 70 75 80

Gln Ser Thr Thr Ser Gly Ala Arg Arg Ser Arg Xaa Trp Glu Ser Trp
85 90 95

Trp Gly Thr Asp Trp Lys Val
100

BNSDOCID: <WO___0122920A2 I >>

<210> 4314
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4314

```
Pro Arg Pro Arg Gly Ala Gly Ala Met Val Arg Gly Arg Xaa Phe Arg
  1               5                  10                  15

Leu Ser Val Arg Asp Val Arg Phe Pro Thr Ser Leu Gly Gly His Gly
             20                  25                  30

Ala Asp Ala Met His Thr Asp Pro Asp Tyr Ser Ala Ala Tyr Val Val
         35                  40                  45

Ile Glu Thr Asp Ala Glu Asp Gly Ile Lys Gly Cys Gly Ile Thr Phe
     50                  55                  60

Thr Leu Gly Lys Gly Thr Xaa Val Val Val Cys Xaa Val Asn Ala Leu
 65                  70                  75                  80

Ala His His Val Leu Asn Lys Asp Leu Lys Asp Ile Val Gly Asp Phe
                 85                  90                  95

Arg Gly Phe Tyr Arg Gln Leu Thr Ser Asp Gly Gln Leu Arg Trp Ile
            100                 105                 110

Gly Pro Glu Lys Gly Val Val His Leu Ala Thr Xaa Pro Ser
        115                 120                 125
```

<210> 4315
<211> 39
<212> PRT
<213> Homo sapiens

<400> 4315
Trp Ile Lys Asp Leu Asn Val Arg Pro Glu Ser Met Lys Leu Leu Glu
1 5 10 15

Glu Asn Ile Trp Glu Thr Leu Gln Tyr Pro Gly Leu Gly Glu Asp Phe
20 25 30

Met Glu Lys Thr Ser Lys Ala
35

<210> 4316
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4316
Ala Pro Ala Gly Leu Arg Arg Ser Pro Trp Arg Cys Gly Ala Ile Gly
1 5 10 15

Gly Asp Gly Arg Gly Arg Gly Ala Ser Thr Val Ser His Pro Pro Leu
20 25 30

Ala Thr Leu Ile Phe Leu Leu His Leu Gly Pro Gly Ala Ser Ser Thr
35 40 45

Thr Gln Ala Gly Cys Phe Lys Lys Asn Cys Phe Leu Lys Cys Leu Ser
50 55 60

Leu Lys Glu Ile Ser Leu Thr Leu Glu Val Xaa Gly Ala Ser Ser Gln
65 70 75 80

Tyr Thr Ser Cys

<210> 4317
<211> 209

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4317

```
Trp Xaa Cys Ile Leu Asn Ile Leu Lys Gly Tyr Asn Phe Ser Arg Glu
 1               5                  10                  15

Ser Val Glu Ser Pro Glu Gln Lys Gly Leu Thr Tyr His Arg Ile Val
            20                  25                  30

Glu Ala Phe Arg Phe Ala Tyr Ala Lys Arg Thr Leu Leu Gly Asp Pro
        35                  40                  45

Lys Phe Val Asp Val Thr Glu Val Val Arg Asn Met Thr Ser Glu Phe
    50                  55                  60

Phe Ala Ala Gln Leu Arg Ala Gln Ile Ser Asp Asp Thr Thr His Pro
65                  70                  75                  80

Ile Ser Tyr Tyr Lys Pro Glu Phe Tyr Thr Pro Asp Asp Gly Gly Thr
                85                  90                  95

Xaa His Leu Ser Val Val Ala Xaa Asp Gly Ser Ala Val Ser Ala Thr
            100                 105                 110

Ser Thr Ile Asn Leu Tyr Phe Gly Ser Lys Val Arg Ser Pro Val Ser
        115                 120                 125

Gly Ile Leu Phe Asn Asn Glu Met Asp Asp Phe Ser Ser Pro Ser Ile
    130                 135                 140

Thr Asn Glu Phe Gly Val Pro Pro His Leu Pro Ile Ser Ser Ser Gln
145                 150                 155                 160

Gly Ser Ser Arg Ser Arg Pro Cys Ala Arg Arg Ser Trp Trp Ala Arg
                165                 170                 175
```

BNSDOCID: <WO_ 0122920A2 I_>

```
Thr Ala Arg Ser Gly Trp Trp Trp Glu Leu Leu Gly Ala His Arg Ser
            180                 185                 190

Pro Arg Pro Leu His Trp Pro Ser Ser Thr Thr Ser Gly Ser Ala Met
        195                 200                 205

Thr
```

<210> 4318
<211> 47
<212> PRT
<213> Homo sapiens

<400> 4318

```
Met Phe Asn Glu Leu Glu Asn Asp Ser Trp Val Val Asn Ile Val Asn
  1               5                  10                  15

Val Asp Glu Leu Phe Ser Phe Ala Glu Ser Ser Tyr Phe Val Gly Gly
             20                  25                  30

Phe Asn Ser Ala Trp Gln Phe Ala Ala Phe Leu Val Val Leu Leu
         35                  40                  45
```

<210> 4319
<211> 297
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (183)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4319

```
Pro Leu Pro Pro Gln Leu Gln Thr Pro Pro Arg Ser Asn Ser Val Phe
  1               5                  10                  15

Ala Val Asn Gln Ala Val Ser Pro Asn Phe Ser Gln Gly Ser Ala Ile
             20                  25                  30
```

```
Ile Ile Ala Ser Pro Val Gln Pro Val Leu Gln Gly Met Val Gly Met
         35                  40                  45

Ile Pro Val Ser Val Val Gly Gln Asn Gly Asn Asn Phe Ser Thr Pro
     50                  55                  60

Pro Arg Gln Val Leu His Met Pro Leu Thr Ala Pro Val Cys Asn Arg
 65                  70                  75                  80

Ser Ile Pro Gln Phe Pro Val Pro Pro Lys Ser Gln Lys Ala Gln Gly
                 85                  90                  95

Leu Arg Asn Lys Pro Cys Ile Gly Xaa Gln Val Asn Asn Leu Val Asp
            100                 105                 110

Ser Ser Gly His Ser Val Gly Cys His Ala Gln Lys Thr Glu Val Ser
        115                 120                 125

Asp Lys Ser Ile Ala Thr Asp Leu Gly Lys Lys Ser Glu Glu Thr Thr
    130                 135                 140

Val Pro Phe Pro Glu Glu Ser Ile Val Pro Ala Ala Lys Pro Cys His
145                 150                 155                 160

Arg Arg Val Leu Cys Phe Asp Ser Thr Thr Ala Pro Val Ala Asn Thr
                165                 170                 175

Gln Gly Pro Asn His Lys Xaa Val Ser Gln Asn Lys Glu Arg Asn Ala
            180                 185                 190

Val Ser Phe Pro Asn Leu Asp Ser Pro Asn Val Ser Ser Thr Leu Lys
        195                 200                 205

Pro Pro Ser Asn Asn Ala Ile Lys Arg Glu Lys Glu Lys Pro Pro Leu
    210                 215                 220

Pro Lys Ile Leu Ser Lys Ser Glu Ser Ala Ile Ser Arg His Thr Thr
225                 230                 235                 240

Ile Arg Glu Thr Gln Ser Glu Lys Lys Val Ser Pro Thr Glu Ile Val
                245                 250                 255

Leu Glu Ser Phe His Lys Ala Thr Ala Asn Lys Glu Asn Glu Leu Cys
            260                 265                 270

Ser Asp Val Gly Lys Thr Glu Lys Ser Arg Lys Phe Lys Thr Ile Tyr
        275                 280                 285

Trp Ala Ala Lys Trp Gly Phe Ala Lys
    290                 295
```

BNSDOCID: <WO___0122920A2_I_>

<210> 4320
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4320

```
Trp Xaa Pro Arg Ala Ala Gly Ile Arg His Glu Leu Glu Ser Phe Ala
 1               5                  10                  15

Val Pro Asn Leu Trp Lys Ser Glu Asp Ile Thr Gln Ile Val Ala Asn
            20                  25                  30

Tyr Gly Leu Ile Cys Xaa Thr Arg Ala Gly Asn Asp Ala Gln Lys Phe
        35                  40                  45

Ile Tyr Glu Ser Asp Val Leu Trp Lys His Arg Ser Asn Ile His Val
    50                  55                  60

Val Asn Glu Trp Xaa Ala Asn Asp Ile Ser Ser Thr Lys Ile Arg Arg
65                  70                  75                  80

Ala Leu Arg Arg Gly Gln Ser Ile Arg Tyr Leu Val Pro Asp Leu Val
                85                  90                  95

Gln Glu Tyr Ile Glu Lys His Asn Leu Tyr Ser Ser Glu Ser Glu Asp
            100                 105                 110

Arg Asn Ala Gly Val Ile Leu Ala Pro Leu Gln Arg Asn Thr Ala Glu
        115                 120                 125

Ala Lys Thr
    130
```

BNSDOCID: <WO _ 0122920A2 I >

<210> 4321
<211> 75
<212> PRT
<213> Homo sapiens

<400> 4321
Asp His Pro Arg Thr Ile Ser Ser Arg Ile Leu Gln Trp Leu Asp Glu
1 5 10 15

Glu Leu Pro Asp Leu Ser Val Ser Arg Arg Ser Ser His Leu His Trp
20 25 30

Gly Ile Pro Val Pro Gly Asp Asp Ser Gln Thr Ile Tyr Val Trp Leu
35 40 45

Asp Ala Leu Val Asn Tyr Leu Thr Val Ile Gly Tyr Pro Asn Ala Glu
50 55 60

Phe Lys Ser Trp Trp Pro Ala Thr Leu Ile Ser
65 70 75

<210> 4322
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4322
Ser Met Trp Gly Lys Glu Arg Ser Asp Cys Tyr Cys Val Cys Val Glu
1 5 10 15

Lys Glu Asp Ile Arg Asn Ser Ile Leu Ile Cys Thr Lys Lys Asn Cys
20 25 30

Phe Cys Phe Glu Met Leu Leu Ala Tyr Asn Phe Ser Pro Asn Ser Val
35 40 45

Leu Thr Glu Thr Cys Ala Val Met Asp Gln Ser Leu Met Asp Leu Gly
50 55 60

BNSDOCID: <WO__ 0122920A2_I_>

Leu Cys Arg Met Cys Leu Val Asn Asn Met Phe Gly Arg Arg Xaa Ala
65 70 75 80

Leu Gly Arg Ser His Arg Pro Phe Xaa His Ser Pro Val
85 90

<210> 4323
<211> 133
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4323
Pro Ala Gly Pro Gly Gln Lys Pro Asp Pro Gly Lys Leu Pro Ala Ala
1 5 10 15

Gly Val Leu Arg Ile Xaa Arg Gly Ser Ser Gly Leu Trp Lys Lys Arg
20 25 30

Arg Ala Thr Asp Phe Gly Arg Gly Arg Ala Gly Leu Ser Ala Ala Met
35 40 45

Ser Ala Lys Ala Ile Ser Glu Gln Thr Gly Lys Glu Leu Leu Tyr Lys
50 55 60

Phe Ile Cys Thr Thr Ser Ala Ile Gln Asn Arg Phe Lys Tyr Ala Arg
65 70 75 80

Val Thr Pro Asp Thr Asp Trp Ala Arg Leu Leu Gln Asp His Pro Trp
85 90 95

Leu Leu Ser Gln Asn Leu Val Val Lys Pro Asp Gln Leu Asp Gln Thr
100 105 110

Ser Trp Xaa Asn Leu Val Phe Val Gly Val Gln Pro His Ser Gly Trp
115 120 125

Gly Gln Val Leu Gly
130

BNSDOCID: <WO__0122920A2_I_>

<210> 4324
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4324
Leu Glu Arg Xaa Gly Ala Gly Gly Arg Asp Phe Trp Val Pro Val Cys
1 5 10 15

Cys Arg Gly Leu His Val Ile Ser Met Glu Lys Ala Val Tyr Ala Val
20 25 30

Thr Gln Ser Leu Val Arg Gly Gln Ala Pro Gly Gly Gly Gly Ser Ser
35 40 45

Cys Gly Ser His Ser Pro Arg Lys Pro Pro Leu Pro Ser Val Ser Gln
50 55 60

Ile Asp Arg Glu Ser Arg Asp Ser Asp Arg Gln Val Thr Ser Gln Ile
65 70 75 80

Glu Ser Ile Phe Val
85

<210> 4325
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4325
Pro Pro Leu Thr Leu Asp Ser Asn Pro Val Val Ile Leu Gly Trp Asp
1 5 10 15

Leu Gly Ala Cys Arg Trp Leu Arg Ser Gln Pro Leu Val Ile Arg Ala
20 25 30

SNSDOCID: <WO__0122920A2_I_>

Thr Ser Leu Ala Leu Gly Ala Leu Ala Pro Ala Glu Pro Leu Val His
35 40 45

Arg Thr Ala Trp Glu Pro Gly Arg Gly Leu Trp Gln Pro Pro Arg Ala
50 55 60

Glu Val Gln Thr Leu Phe Arg Leu Thr Gln Val His Thr Trp Ile Gly
65 70 75 80

Leu Gly Val Glu Ala Trp Phe Xaa
85

<210> 4326
<211> 71
<212> PRT
<213> Homo sapiens

<400> 4326
Val Phe Gln Gly Ile Ser Gln Arg Gln Ser Val Gln Gln Trp Asp Ile
1 5 10 15

Asn Ala Tyr Leu His Phe Pro Thr Ala Ile Tyr Ile Lys Cys Tyr Ser
20 25 30

Ile Gln Arg Met Pro Phe Ile Pro Thr Leu Lys His Arg Ser Leu Ser
35 40 45

Asn Lys Asn Gln Ile Val Cys His Ser Asn Tyr Asn Cys Ser Tyr Phe
50 55 60

Cys Met Val Arg Val Arg Cys
65 70

<210> 4327
<211> 58
<212> PRT
<213> Homo sapiens

<400> 4327
Asn Phe Gly Gln Val Phe Val Tyr Gln Tyr Phe Val Leu Leu Gly Asn
1 5 10 15

Ile Leu Phe Phe Ser Tyr Leu Cys Gln Ile Ile Ile Ile Lys Gly Thr
20 25 30

Ala Glu Asn Ile Pro Cys Phe Tyr Ile Gly Ser His Leu Tyr Leu Gly
35 40 45

BNSDOCID: <WO___0122920A2_I_>

Gly Thr Leu Ser Ile Tyr Ile Leu Phe Val
50 55

<210> 4328
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4328
His Arg Lys Lys His Phe Leu Lys Pro Thr Val Ser Asp Gln Trp Gly
1 5 10 15

Lys Gln Gln Lys Thr Lys Arg Arg Ile Phe Pro Leu Ile Phe Leu Gln
20 25 30

Lys Ser Ile Ser Leu Ile Ala His Cys His Lys Phe Cys Leu Val Leu
35 40 45

Arg Glu Ala Thr Cys Thr Gly Ser Phe Tyr Val Gln Arg Lys Asp Phe
50 55 60

Thr Ile Lys Lys Ile Asn Leu Ala Arg Xaa Gly Val Ser His Trp
65 70 75

<210> 4329
<211> 41
<212> PRT
<213> Homo sapiens

<400> 4329
Pro Leu Gly His His Gln Val Pro Leu Thr Thr Lys Leu Ser Val Lys
1 5 10 15

Lys Thr Glu Asp Gly Asn Thr Leu Val Phe Ile Val Asn Val Lys Ala
20 25 30

Asn Lys His Arg Ile Lys Gln Ala Ser
35 40

<210> 4330
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4330
Ile Arg His Arg His Gly Cys Pro Ser Val Leu Arg Met Gly Ser Xaa
1 5 10 15

Gln Val Gly Xaa Xaa Gly Cys Trp Gln Asn Arg Arg Ile Pro Ser Phe
20 25 30

Ala Glu Trp Gly Thr Cys Ser Glu Pro Ala Gln Xaa Pro Gly Leu Leu
35 40 45

Gln Val Lys Leu Asp Gly Arg Pro Arg Ser Gln Phe Leu Ser Thr Arg
50 55 60

Arg Gly Arg Cys Leu Glu Pro Leu Pro Thr Phe Ser Trp Met Gly Glu
65 70 75 80

Ala Ser Gln Glu Ser Lys Gln Cys Cys Pro His Gly Arg Arg Thr Glu
85 90 95

Arg Leu Gly Lys Leu Gly Ser Thr Ser His Pro Glu Arg Leu Leu Glu
100 105 110

Thr Pro Gln Leu Glu Ser Pro Gly
115 120

<210> 4331
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4331
Gly Met Pro Thr Ala Ser Gln Arg Val Gly Gly Gly Leu Cys Thr Leu
1 5 10 15

Ser Thr Asn Leu Pro Pro Thr Arg Leu Leu Thr Thr Ala Pro Arg Arg
20 25 30

Leu Ser Asn Ser Val Ser Cys Pro Arg Gly Arg Gly Leu Pro Val Glu
35 40 45

Xaa Pro Met Cys Leu Pro Leu Val Gln Pro Ala Ala Arg Lys Trp Val
50 55 60

Thr Ala Thr Gly Leu Gly Trp Ala Arg Pro Gly Ser Gly Arg Cys Gly
65 70 75 80

Ile Gly Glu Thr Thr Ala Pro Val Val Ser Ser Ala
85 90

<210> 4332
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4332
Cys Lys His Asp Gly Trp Gly Lys His Ser Asn Cys Thr His Gln Gln
1 5 10 15

Asp Ala Gly Val Thr Cys Ser Asp Gly Ser Asn Leu Glu Met Arg Leu
20 25 30

Thr Arg Gly Gly Asn Met Cys Ser Gly Arg Ile Glu Ile Lys Phe Gln
35 40 45

Gly Arg Trp Gly Thr Val Cys Asp Asp Asn Phe Asn Ile Asp His Ala
50 55 60

Ser Val Ile Cys Arg Gln Leu Glu Cys Gly Ser Ala Val Ser Phe Ser
65 70 75 80

Gly Ser Ser Asn Phe Gly Xaa Xaa Ser Gly Pro Ile Trp Phe Asp Asp
85 90 95

Leu Ile Cys Asn Gly Asn Glu Ser Ala Leu Trp Asn Cys Lys His Gln
100 105 110

Gly Trp Gly Lys His Asn Cys Asp His Ala Glu Asp Ala Gly Xaa Ile
115 120 125

Cys Ser Lys Gly Xaa Asp Leu Thr
130 135

<210> 4333
<211> 59
<212> PRT
<213> Homo sapiens

<400> 4333
Ala Thr Ala His Gly Leu Thr Met Leu Ser Ile Pro Tyr Met Glu Arg
1 5 10 15

Cys Phe Pro Phe Gln Ser Ser Leu Lys Leu Cys Arg Arg Phe Thr Cys
20 25 30

Val Tyr Arg Ala Lys Arg Asn Gln Gly Met Glu Ile Glu Cys Val Ile
35 40 45

Lys Ile Lys Leu Phe Met Leu Tyr Asn His Ala
50 55

<210> 4334
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4334
Lys Ala Cys Leu Leu His Cys Glu Gln Asp Ser Ser Pro Leu Asn His
1 5 10 15

Glu Tyr Val Ser Val Leu Trp Ile Thr Lys Leu Val Met Leu Leu Ser
20 25 30

Pro Asn Val Phe Phe Lys Lys Tyr Ser Phe Val His Leu Xaa Val Ile
35 40 45

Lys Leu Gln Asn
50

<210> 4335
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4335
Tyr Glu Ser Leu Glu Met Tyr Gln Thr Glu Gly Xaa Phe Ser Leu Gln
1 5 10 15

Ile Met Ser Asn Val Ala Ile Leu Thr His Phe Ile Asn Ile Tyr Phe
20 25 30

Val Ile Gly Gly Glu His His Leu Leu Phe
35 40

<210> 4336
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4336
Ala Leu Asn Ala Lys Leu Phe Tyr Thr Glu Lys Thr Leu Lys Xaa Val
1 5 10 15

Leu Cys Gly Ile Thr Val Ile Cys His Glu Lys Pro Tyr Met Gly Asp
20 25 30

Met Leu Lys Trp Leu Leu Asn Glu Ile Arg Gln Gln Arg Lys Met Pro
35 40 45

Leu Lys Cys
50

<210> 4337
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4337
Asp Tyr Ser Asp Phe Val Ser Phe Leu Leu Asn Phe Gly Gln Phe Cys
1 5 10 15

Phe Cys Leu Cys His Leu Ser Phe Gln Met Tyr Trp His Glu Tyr Phe
20 25 30

His Asn Ile Pro Xaa Leu Ser Phe Thr Phe Leu Gly Tyr Leu Ser Gly
35 40 45

Val Ser Leu Phe Ile Pro Lys Met Phe Ile His Ala Phe Xaa
50 55 60

<210> 4338
<211> 141
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4338
Asp Met Met Pro Leu Leu His Asn Tyr Val Thr Val Asp Thr Asp Thr
1 5 10 15

Leu Leu Ser Asp Thr Lys Tyr Leu Glu Met Ile Tyr Ser Met Cys Lys
20 25 30

Lys Val Leu Thr Gly Val Ala Gly Glu Asp Ala Glu Cys His Ala Ala
35 40 45

Lys Leu Leu Glu Val Ile Ile Leu Gln Cys Lys Gly Arg Gly Ile Asp
50 55 60

Gln Cys Ile Pro Leu Phe Val Glu Ala Ala Leu Glu Arg Leu Thr Arg
65 70 75 80

Glu Val Lys Thr Ser Glu Leu Arg Thr Met Cys Leu Gln Val Ala Ile
85 90 95

Ala Ala Leu Tyr Tyr Asn Pro His Leu Leu Leu Xaa Thr Leu Glu Asn
100 105 110

Leu Arg Phe Pro Asn Asn Val Glu Pro Val Thr Asn His Phe Ile Thr
115 120 125

Gln Trp Leu Asn Asp Val Gly Leu Phe Leu Gly Ala Ser
130 135 140

<210> 4339
<211> 91
<212> PRT
<213> Homo sapiens

<400> 4339

```
Leu Ala Ser Met Gly Ile Pro Gln Val Val Val Gln Pro Arg Ser Trp
  1               5                  10                  15

Trp Leu Gly Leu Met Leu Leu Pro Ser Pro Ser Val Ser Cys Ser Gly
             20                  25                  30

Ser Ala Tyr Val Pro Gly Val Trp Tyr Leu Ile Phe Gln Asp Ala Asp
         35                  40                  45

Ile Tyr Phe Leu Pro Thr Thr Pro Tyr Thr Leu Ser Leu Ala Asn Ile
     50                  55                  60

Phe Glu Cys Leu Leu Leu Val Cys Leu Ser Ser Val Val Leu Leu Leu
 65                  70                  75                  80

Cys Pro Lys Cys Met Leu Cys Ser Val Ser Ala
                 85                  90
```

<210> 4340
<211> 68
<212> PRT
<213> Homo sapiens

<400> 4340

```
Ser Tyr Ser Tyr Ser His Glu Arg Gln Asn Val Cys Phe Lys Ile Asn
  1               5                  10                  15

Leu Val Phe Cys Thr Phe Lys Phe Glu Lys Val Thr Thr Gly Ser Phe
             20                  25                  30

Pro Val Phe Leu His Val Ser Phe Leu Ile Asp His Tyr Trp Gln Thr
         35                  40                  45

Val Ser Val Asn Tyr Gln Met Cys Lys Ile Phe Cys Ile Ser Leu Cys
     50                  55                  60

Leu Ile Cys Lys
 65
```

<210> 4341
<211> 125
<212> PRT
<213> Homo sapiens

<400> 4341

```
Gly Ala Ala Pro Pro Leu Ser Ser Glu His Lys Glu Pro Val Ala Gly
  1               5                  10                  15
```

```
Asp Ala Val Pro Gly Pro Lys Asp Gly Ser Ala Pro Glu Val Arg Gly
            20                  25                  30

Ala Arg Asn Ser Glu Pro Gln Asp Glu Gly Glu Leu Phe Gln Gly Val
        35                  40                  45

Asp Pro Arg Ala Leu Ala Ala Val Leu Leu Gln Ala Leu Asp Arg Pro
    50                  55                  60

Ala Ser Pro Pro Ala Pro Ser Gly Ser Gln Gln Gly Pro Glu Glu Glu
65                  70                  75                  80

Ala Ala Glu Ala Leu Leu Thr Glu Thr Val Arg Ser Gln Thr His Ser
                85                  90                  95

Leu Pro Ala Pro Glu Ser Pro Glu Pro Ala Ser Ala Ser Pro Ser Asp
            100                 105                 110

Ser Gly Glu Trp Ala Arg Gly Glu Arg Ser Leu Arg Gly
        115                 120                 125
```

<210> 4342
<211> 50
<212> PRT
<213> Homo sapiens

<400> 4342

```
Phe Leu Leu Trp Gln Ile Leu Ser Ser Asn Leu Ser Phe Leu Val Glu
  1               5                  10                  15

Gln Ala Leu Phe Phe Glu Pro Ser Asn Asp Leu Glu Ala Asp Val Ile
            20                  25                  30

Ser Val Pro Phe Ala Ile Cys Cys Val Gly Phe Phe Phe Phe Lys Ala
        35                  40                  45

Thr Gln
    50
```

<210> 4343
<211> 273
<212> PRT
<213> Homo sapiens

<400> 4343

```
Asp Pro Arg Val Arg Glu Asp Pro Gln Pro Gly Pro Lys Pro Val Pro
```

BNSDOCID: <WO___0122920A2_I_>

3956

```
1               5                  10                  15

Glu Pro Glu Pro Glu Pro Glu Pro Ser Arg Glu Pro Val Ala Gly Ala
            20                  25                  30

Pro Gly Cys Gly Thr Ala Gly Pro Pro Ala Met Ala Thr Leu Trp Gly
        35                  40                  45

Gly Leu Leu Arg Leu Gly Ser Leu Leu Ser Leu Ser Cys Leu Ala Leu
    50                  55                  60

Ser Val Leu Leu Leu Ala His Cys Gln Thr Pro Pro Arg Ile Ser Arg
65                  70                  75                  80

Met Ser Asp Val Asn Val Ser Ala Leu Pro Ile Lys Lys Asn Ser Gly
                85                  90                  95

His Ile Tyr Asn Lys Asn Ile Ser Gln Lys Asp Cys Asp Cys Leu His
            100                 105                 110

Val Val Glu Pro Met Pro Val Arg Gly Pro Asp Val Glu Ala Tyr Cys
        115                 120                 125

Leu Arg Cys Glu Cys Lys Tyr Glu Glu Arg Ser Ser Val Thr Ile Lys
    130                 135                 140

Val Thr Ile Ile Ile Tyr Leu Ser Ile Leu Gly Leu Leu Leu Leu Tyr
145                 150                 155                 160

Met Val Tyr Leu Thr Leu Val Glu Pro Ile Leu Lys Arg Arg Leu Phe
                165                 170                 175

Gly His Ala Gln Leu Ile Gln Ser Asp Asp Asp Ile Gly Asp His Gln
            180                 185                 190

Pro Phe Ala Asn Ala His Asp Val Leu Ala Arg Ser Arg Ser Arg Ala
        195                 200                 205

Asn Val Leu Asn Lys Val Glu Tyr Gly Thr Ala Ala Leu Glu Ala Ser
    210                 215                 220

Ser Pro Arg Ala Ala Lys Ser Leu Ser Leu Thr Gly Met Leu Ser Ser
225                 230                 235                 240

Ala Asn Trp Gly Ile Glu Phe Lys Val Thr Arg Lys Lys Gln Ala Asp
                245                 250                 255

Asn Trp Lys Gly Thr Asp Trp Val Leu Leu Gly Phe Ile Leu Ile Pro
            260                 265                 270

Cys
```

<210> 4344
<211> 72
<212> PRT
<213> Homo sapiens

<400> 4344
Val Met Ala Pro Lys Asp Val Leu Phe Ile Leu Ile Pro Gly Thr Cys
1 5 10 15

Lys His Val Thr Leu Tyr Gly Lys Arg Asp Phe Gly Gln Ala Pro Val
20 25 30

Ile Pro Asp Thr Gln Glu Ala Glu Ala Lys Glu Ser Leu Lys Pro Gly
35 40 45

Arg Arg Arg Leu Gln Gly Ala Lys Ile Val Pro Met His Ser Ser Leu
50 55 60

Ser Asn Lys Val Arg Leu Cys Leu
65 70

<210> 4345
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4345
Arg Trp Arg Asp Thr Leu Thr Gln Leu Ser Leu Ser Tyr Tyr Ala Thr
1 5 10 15

Asp Gln Gly Lys Arg Trp Asp Asp Arg Trp Gly Gln Thr Glu Arg Ala
20 25 30

Ser Gly Lys Gln Ala Tyr Ile Val Phe Phe Lys Met His Lys Ala Ser
35 40 45

Gln Leu Arg Xaa His Leu Val Trp Ala Ser Leu Gly Leu Glu Thr Leu
50 55 60

Leu Glu Phe Phe Leu Gly Thr Trp Arg Val Asp Asp Ile Gln Ala Leu

BNSDOCID: <WO___0122920A2_I_>

65 70 75 80

Lys His Ser Gln Arg Ser Pro Glu Gly Ala Thr Phe Ser Arg
85 90

<210> 4346
<211> 92
<212> PRT
<213> Homo sapiens

<400> 4346
Arg Glu Gln Ile Lys Arg Val Lys Asp Ser Glu Asp Val Pro Met Val
1 5 10 15

Leu Val Gly Asn Lys Cys Asp Leu Pro Ser Arg Thr Val Asp Thr Lys
20 25 30

Gln Ala Gln Asp Leu Ala Arg Ser Tyr Gly Ile Pro Phe Ile Glu Thr
35 40 45

Ser Ala Lys Thr Arg Gln Gly Val Asp Asp Ala Phe Tyr Thr Leu Val
50 55 60

Arg Glu Ile Arg Lys His Lys Glu Lys Met Ser Lys Asp Gly Lys Lys
65 70 75 80

Lys Lys Lys Lys Ser Lys Thr Lys Cys Val Ile Met
85 90

<210> 4347
<211> 66
<212> PRT
<213> Homo sapiens

<400> 4347
Pro Ala Ser Glu Val Leu Met Asp Asp Asp Leu Gln Lys Ser Val Asp
1 5 10 15

Met Ile Met Asp Met Phe Cys Pro Pro Gly Ile Lys Ile Asp Ala Tyr
20 25 30

Pro Trp Leu Glu Cys Phe Ile Lys Ser Tyr Asn Val Thr Asn Gly Thr
35 40 45

Asp Asn Gln Ile Cys Tyr Gln Ile Phe Asp Thr Thr Val Ala Glu Asp
50 55 60

Val Ile
65

<210> 4348
<211> 51
<212> PRT
<213> Homo sapiens

<400> 4348
Leu Arg Cys His Lys Lys Gln His Ser Asp Gln Ser Glu Asn Lys Asn
1 5 10 15

Ser Asp Leu Val Thr Phe Pro Pro Glu Ser Gly Ala Ser Gly Gln Leu
20 25 30

Ser Thr Leu Val Ser Val Gly Gln Leu Glu Ala Pro Leu Glu Pro Ser
35 40 45

Gln Asp Leu
50

<210> 4349
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4349
Lys Ile Ala Glu Leu Glu Phe Ser Pro Val Phe His Phe Thr Leu Pro
1 5 10 15

Val Ser His Ala Gln Asn Thr Arg Gly Ser Ala Gly Ser Gln Ser Thr
20 25 30

Asp Glu Asn Pro Asn Leu Ser Xaa Phe Leu Gly Ser Ser Lys Trp Trp
35 40 45

Ser Arg Met Val Gly Asp Leu Ile Ser Tyr Tyr Leu Pro Gly Glu Xaa

50 55 60

Phe Leu Pro Gly Lys
65

<210> 4350
<211> 313
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (297)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (310)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4350
Gly Gly Gly Arg Gly Arg Glu Gly Arg Arg Pro Glu Arg Gly Cys Cys
1 5 10 15

Glu Gly Arg Gly Pro Val Thr Gly Arg Glu Ala Ala Gly Gly Gly Gly
20 25 30

Gly Thr Ser Thr Thr Met Ser Arg Ser Val Leu Gln Pro Ser Gln Gln
35 40 45

Lys Leu Ala Glu Lys Leu Thr Ile Leu Asn Asp Arg Gly Val Gly Met
50 55 60

Leu Thr Arg Leu Tyr Asn Ile Lys Lys Ala Cys Gly Asp Pro Lys Ala
65 70 75 80

Lys Pro Ser Tyr Leu Ile Asp Lys Asn Leu Glu Ser Ala Val Lys Phe
85 90 95

Ile Val Arg Lys Phe Pro Ala Val Glu Thr Arg Asn Asn Asn Gln Gln
100 105 110

Leu Ala Gln Leu Gln Lys Glu Lys Ser Glu Ile Leu Lys Asn Leu Ala
115 120 125

Leu Tyr Tyr Phe Thr Phe Val Asp Val Met Glu Phe Lys Asp His Val
130 135 140

Cys Glu Leu Leu Asn Thr Ile Asp Val Cys Gln Val Phe Phe Asp Ile

```
145                 150                 155                 160

Thr Val Asn Phe Asp Leu Thr Lys Asn Tyr Leu Asp Leu Ile Ile Thr
                165                 170                 175

Tyr Thr Thr Leu Met Ile Leu Leu Ser Arg Ile Glu Glu Arg Lys Ala
            180                 185                 190

Ile Ile Gly Leu Tyr Asn Tyr Ala His Glu Met Thr His Gly Ala Ser
        195                 200                 205

Asp Arg Glu Tyr Pro Arg Leu Gly Gln Met Ile Val Asp Tyr Glu Asn
    210                 215                 220

Pro Leu Lys Lys Met Met Glu Glu Phe Val Pro His Ser Lys Ser Leu
225                 230                 235                 240

Ser Asp Ala Leu Ile Ser Leu Gln Met Val Tyr Pro Arg Arg Asn Leu
                245                 250                 255

Ser Ala Asp Gln Trp Arg Asn Ala Gln Leu Leu Ser Leu Ile Ser Ala
            260                 265                 270

Pro Ser Thr Met Leu Asn Pro Ala Gln Ser Asp Thr Met Pro Cys Glu
        275                 280                 285

Tyr Leu Ser Leu Gly Cys Asn Gly Xaa Ile Gly Leu Ser Leu Ala Leu
    290                 295                 300

Phe Val Pro Trp Gly Xaa Leu Asn Thr
305                 310
```

<210> 4351
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

```
<400> 4351
Gly Arg Gly Ser Val Ile Ser Trp Ile Ser Gly His Ile Cys Tyr Ser
  1               5                  10                  15

Thr Asp His Gly Thr Leu Gly Glu Glu Arg Cys Phe Pro Ser Thr His
            20                  25                  30
```

BNSDOCID: <WO___0122920A2_I_>

Leu Met Phe Ile Gly Trp Gly Ser Trp Asn Arg Arg Gln Ile Ser Lys
35 40 45

Glu Lys Gly Thr Xaa Ile Tyr Val Ile
50 55

<210> 4352
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4352
Val Ile Pro Ile Tyr Ile Xaa Xaa Cys Phe Thr Gly Leu Ile Ser Thr
1 5 10 15

Ser Ser Thr Pro Pro Met Asn Ser Ser Asn Thr Ser Ile Ile Val Cys
20 25 30

Ser Ser Ala Glu Ile Arg Ala Leu Phe Tyr Trp Leu Gly Cys Arg Phe
35 40 45

Leu Phe Tyr Phe Leu Lys Arg Leu Ile Ser Tyr Arg Lys Gly Phe Phe
50 55 60

Leu Tyr Pro Val Phe Thr
65 70

<210> 4353
<211> 93
<212> PRT
<213> Homo sapiens

<400> 4353
Gly Thr Arg Glu Ser Asp Gly Glu Lys Lys Tyr Pro Cys Pro Glu Cys
1 5 10 15

Gly Ser Phe Phe Arg Ser Lys Ser Tyr Leu Asn Lys His Ile Gln Lys

```
            20                  25                  30

Val His Val Arg Ala Leu Gly Gly Pro Leu Gly Asp Leu Gly Pro Ala
        35                  40                  45

Leu Gly Ser Pro Phe Ser Pro Gln Gln Asn Met Ser Leu Leu Glu Ser
    50                  55                  60

Phe Gly Phe Gln Ile Val Gln Ser Ala Phe Ala Ser Ser Leu Val Asp
65                  70                  75                  80

Pro Glu Val Asp Gln Gln Pro Met Gly Pro Glu Gly Lys
                85                  90
```

<210> 4354
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4354

```
Ser His Gln Ile Phe Met Phe Lys Lys Ile Ser Leu Trp Ile Glu Ser
  1               5                  10                  15

Ser Pro Ala Leu Arg Glu Lys Glu Gly Pro Tyr Gly Arg Leu Xaa Ser
            20                  25                  30

His Tyr Tyr Cys Leu Tyr Pro Ala Val Leu Met Lys Pro Pro Thr Leu
        35                  40                  45

Ser His Ser Arg Asn His Lys Thr Gln Ala Val Leu Asp Ser Gly Gly
    50                  55                  60

Leu Pro Gly Lys Ile Arg
65                  70
```

<210> 4355
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4355
Phe Ser Xaa Pro Val Gln Arg Leu Xaa Cys Arg Arg His Pro Leu Ala
1 5 10 15

Ala Cys Ser Ser Ala Ala Pro Phe Ala Ala Val Pro Cys Ala Pro Glu
20 25 30

Asn Glu Asn Pro Ala Phe Ala Thr Asn His Ala Pro Val Asn Ala Lys
35 40 45

Pro His Ala Leu Cys Pro Glu Arg Lys Pro Leu Thr Ser Lys Glu Asn
50 55 60

Val Leu Met His Ser Ser Ile Leu Ala Pro Xaa Arg Glu Ser Trp Xaa
65 70 75 80

Thr Ala Gly Glu Gly Glu Asn Trp Lys Lys Lys Lys
85 90

<210> 4356
<211> 140
<212> PRT
<213> Homo sapiens

<400> 4356
Glu Cys Trp Ser Glu Arg Ser Leu Lys Pro Gly Arg Gly Ala Asp Pro
1 5 10 15

Leu Cys Ser Ala Pro Thr Leu Cys Gln Gly Gly Leu Ala Thr Thr Val
20 25 30

```
Phe Phe Leu Leu Phe Ile Cys Ser Trp Ile Phe Leu Lys Pro Phe His
         35                  40                  45

His Gln Pro Ser Ser Ser Leu Pro Ala Pro Trp Arg Leu Lys Leu Phe
     50                  55                  60

Pro Ala Tyr Val Arg Glu Gly Glu Pro Glu Thr Ala Thr Ser Gly Val
 65                  70                  75                  80

Lys Gly Val Ser Ser Glu Pro Arg Thr Met Ala Phe Cys His Cys Leu
                 85                  90                  95

Leu Ser Ser Cys Cys Trp Gly Leu Gly Leu Leu Ala Ala Ala Ser Phe
            100                 105                 110

Ser Ala Asn Gln Glu Ser Arg Glu Val Gly Thr Ala Ser Thr Lys Thr
        115                 120                 125

Leu Lys Met Ser Gly Glu Asp Arg Leu Ser Pro Gly
    130                 135                 140
```

<210> 4357
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4357

```
Leu Gly Leu Gly Gln Cys Leu Trp Pro Xaa Phe Ser His Ser Tyr Xaa
  1               5                  10                  15

Ala Glu Cys Ser Lys Ser Val Gln Ile Arg Glu Thr Thr Arg Cys Asn
             20                  25                  30

Gln Ser Ser Cys Ser Leu Pro Tyr Phe Gln Ile Leu Tyr Val Ile Ser
```

35 40 45

His Phe Xaa Ser Ile Asn Leu Leu Pro Pro
50 55

<210> 4358
<211> 178
<212> PRT
<213> Homo sapiens

<400> 4358
Ala Leu Arg Leu Arg Glu Asp Asp Arg Arg Gly Gly Thr Met Leu Leu
1 5 10 15

Pro Asn Ile Leu Leu Thr Gly Thr Pro Gly Val Gly Lys Thr Thr Leu
20 25 30

Gly Lys Glu Leu Ala Ser Lys Ser Gly Leu Lys Tyr Ile Asn Val Gly
35 40 45

Asp Leu Ala Arg Glu Glu Gln Leu Tyr Asp Gly Tyr Asp Glu Glu Tyr
50 55 60

Asp Cys Pro Ile Leu Asp Glu Asp Arg Val Val Asp Glu Leu Asp Asn
65 70 75 80

Gln Met Arg Glu Gly Gly Val Ile Val Asp Tyr His Gly Cys Asp Phe
85 90 95

Phe Pro Glu Arg Trp Phe His Ile Val Phe Val Leu Arg Thr Asp Thr
100 105 110

Asn Val Leu Tyr Glu Arg Leu Glu Thr Arg Gly Tyr Asn Glu Lys Lys
115 120 125

Leu Thr Asp Asn Ile Gln Cys Glu Ile Phe Gln Val Leu Tyr Glu Glu
130 135 140

Ala Thr Ala Ser Tyr Lys Glu Glu Ile Val His Gln Leu Pro Ser Asn
145 150 155 160

Lys Pro Glu Glu Leu Glu Asn Asn Val Asp Gln Ile Leu Lys Trp Ile
165 170 175

Glu Gln

<210> 4359
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4359
Leu Met Val Ile Asp Phe Ile Pro Lys His Asn Trp Lys Ile Glu Xaa
1 5 10 15

Glu Pro Leu Pro Asn Gly Lys Glu Met Lys Ser Phe His Ser Asp Tyr
20 25 30

<210> 4360
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4360
Asn Ile Asn Pro Asn Ser Pro Phe His Phe Ser Leu Arg His Glu Ser
1 5 10 15

Tyr Lys Thr Gln Tyr Arg Ala Met Phe Val Met Asn Cys Ser Ile Asn
20 25 30

Lys Glu Glu Val Leu Arg Xaa Lys Ala Ser Glu Glu Gln Glu Gly Lys
35 40 45

Gly Gly Ser Ile Arg Lys Met Arg Ser
50 55

<210> 4361
<211> 41
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4361
Asn Gly Phe Glu Thr Ile Gly Thr Asp Lys Ser Gln Ile Gly Gly Ser
1 5 10 15

Leu Ile Leu Asn Trp Pro Cys His Gln Cys Leu Phe Leu Arg Xaa Phe
20 25 30

Gly Gly Cys His Val Tyr His Phe Phe
35 40

<210> 4362
<211> 391
<212> PRT
<213> Homo sapiens

<400> 4362
Thr Trp Val Pro Thr Thr Ile Leu Asp Leu His Gly Ile Leu Asp His
1 5 10 15

Val Lys Lys Gln Pro Pro Lys Ser Leu Arg Ser Met Glu Leu Glu Cys
20 25 30

Ala Val Leu Gly Arg Lys Leu Glu Thr Trp Asp Lys His Glu Glu Leu
35 40 45

Glu Glu Leu Val Ala Arg Phe Leu Gly Val Glu Ala Ala Met Ala Tyr
50 55 60

Gly Met Gly Phe Ala Thr Asn Ser Met Asn Ile Pro Ala Leu Val Gly
65 70 75 80

Lys Gly Cys Leu Ile Leu Ser Asp Glu Leu Asn His Ala Ser Leu Val
85 90 95

Leu Gly Ala Arg Leu Ser Gly Ala Thr Ile Arg Ile Phe Lys His Asn
100 105 110

Asn Met Gln Ser Leu Glu Lys Leu Leu Lys Asp Ala Ile Val Tyr Gly
115 120 125

Gln Pro Arg Thr Arg Arg Pro Trp Lys Lys Ile Leu Ile Leu Val Glu
130 135 140

```
Gly Ile Tyr Ser Met Glu Gly Ser Ile Val Arg Leu Pro Glu Val Ile
145                 150                 155                 160

Ala Leu Lys Lys Lys Tyr Lys Ala Tyr Leu Tyr Leu Asp Glu Ala His
                165                 170                 175

Ser Ile Gly Ala Leu Gly Pro Thr Gly Arg Gly Val Val Glu Tyr Phe
            180                 185                 190

Gly Leu Asp Pro Glu Asp Val Asp Val Met Met Gly Thr Phe Thr Lys
        195                 200                 205

Ser Phe Gly Ala Ser Gly Gly Tyr Ile Gly Gly Lys Lys Glu Leu Ile
    210                 215                 220

Asp Tyr Leu Arg Thr His Ser His Ser Ala Val Tyr Ala Thr Ser Leu
225                 230                 235                 240

Ser Pro Pro Val Val Glu Gln Ile Ile Thr Ser Met Lys Cys Ile Met
                245                 250                 255

Gly Gln Asp Gly Thr Ser Leu Gly Lys Glu Cys Val Gln Gln Leu Ala
            260                 265                 270

Glu Asn Thr Arg Tyr Phe Arg Arg Arg Leu Lys Glu Met Gly Phe Ile
        275                 280                 285

Ile Tyr Gly Asn Glu Asp Ser Pro Val Val Pro Leu Met Leu Tyr Met
    290                 295                 300

Pro Ala Lys Ile Gly Ala Phe Gly Arg Glu Met Leu Lys Arg Asn Ile
305                 310                 315                 320

Gly Val Val Val Val Gly Phe Pro Ala Thr Pro Ile Ile Glu Ser Arg
                325                 330                 335

Ala Arg Phe Cys Leu Ser Ala Ala His Thr Lys Glu Ile Leu Asp Thr
            340                 345                 350

Ala Leu Lys Glu Ile Asp Glu Val Gly Asp Leu Leu Gln Leu Lys Tyr
        355                 360                 365

Ser Arg His Arg Leu Val Pro Leu Leu Asp Arg Pro Phe Asp Glu Thr
    370                 375                 380

Thr Tyr Glu Glu Thr Glu Asp
385                 390
```

<210> 4363

BNSDOCID: <WO___0122920A2_I_>

<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4363
Ser Gly Val Val Thr Ala Cys Glu Gly Thr Glu Leu Ser Ala Gly Ser
1 5 10 15

Arg Asp His Gly His Lys Ala Leu Thr Leu Thr Arg Pro Gln Gln Ala
20 25 30

Leu Xaa Glu Gly Gln Pro Pro Pro Leu Leu Leu Leu Ser Leu Thr Val
35 40 45

Ala Val Asp Leu Arg Xaa Tyr Ile Leu Arg Xaa His Ser Leu
50 55 60

<210> 4364
<211> 225
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4364

```
Gly Thr Arg Ser Gly Ser Glu Glu Asp Pro Glu Thr Glu Ser Gly Pro
  1               5                  10                  15

Pro Val Glu Arg Cys Gly Val Leu Ser Lys Trp Thr Asn Tyr Ile His
             20                  25                  30

Gly Trp Gln Asp Arg Trp Val Val Leu Lys Asn Asn Ala Leu Ser Tyr
         35                  40                  45

Tyr Lys Ser Glu Asp Glu Thr Glu Tyr Gly Cys Arg Gly Ser Ile Cys
     50                  55                  60

Leu Ser Lys Ala Val Ile Thr Pro His Asp Phe Xaa Glu Cys Arg Phe
 65                  70                  75                  80

Asp Ile Ser Val Asn Asp Ser Val Trp Tyr Leu Arg Ala Gln Asp Pro
                 85                  90                  95

Asp His Arg Gln Gln Trp Ile Asp Ala Ile Glu Gln His Lys Thr Glu
            100                 105                 110

Ser Gly Tyr Gly Ser Glu Ser Ser Leu Arg Arg His Gly Ser Met Val
        115                 120                 125

Ser Leu Val Ser Gly Ala Ser Gly Tyr Ser Glu Thr Ser Thr Xaa Ser
    130                 135                 140

Phe Lys Lys Gly His Ser Leu Arg Glu Lys Leu Ala Glu Met Glu Thr
145                 150                 155                 160

Phe Arg Asp Ile Leu Cys Arg Gln Val Asp Thr Leu Gln Lys Tyr Xaa
                165                 170                 175

Asp Ala Cys Ala Asp Ala Val Ser Lys Asp Glu Leu Gln Arg Asp Lys
            180                 185                 190

Val Val Glu Asp Asp Glu Asp Asp Phe Pro Thr Thr Arg Ser Asp Gly
        195                 200                 205

Asp Phe Leu His Ser Thr Asn Gly Asn Lys Glu Lys Leu Phe Pro His
    210                 215                 220

Val
225
```

BNSDOCID: <WO___0122920A2_I_>

<210> 4365
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4365
Ile Ala Ser Ala Xaa Phe Tyr Ala Arg Leu Asn Tyr Glu Pro Val Arg
1 5 10 15

Pro Gly Gly Gly Ser Gly Gly His Ser Ala Arg Cys Arg Arg Arg Glu
20 25 30

Arg Gly Ala Ala Ala Ala His Gly Ala Pro Ser Ala Ser Phe Phe Pro
35 40 45

Pro Pro Val Pro Asn Pro Phe Val Gln Gln Thr Gln Ile Gly Ser Ala
50 55 60

Arg Arg Val Gln Ile Val Leu Leu Gly Ile Ile Leu Leu Pro Ile Arg
65 70 75 80

Val Leu Leu Val Ala Leu Ile Tyr Tyr Leu His Gly His Cys Cys Ile
85 90 95

Ser Thr Val Cys Cys Pro Glu Lys Leu Thr His Pro Ile Thr Gly Trp
100 105 110

Arg Arg

<210> 4366
<211> 56
<212> PRT
<213> Homo sapiens

<400> 4366
Val Gly Met Val Ser His Ser Ser Arg Cys Arg Phe Gly Leu Leu Gly
1 5 10 15

Thr Ile Trp Leu Asp Pro Glu Ser Ala Trp Asn Arg Asp Arg Asp Leu
20 25 30

Ser Gly Pro Ala Ala Gly Ser Ser Leu Val Val Ala Val Val Arg Gly
35 40 45

BNSDOCID: <WO___0122920A2_I_>

Leu Arg Trp Leu Pro Gly Leu Val
50 55

<210> 4367
<211> 389
<212> PRT
<213> Homo sapiens

<400> 4367
Gly Thr Ser Ser Ser Ser Ser Gln Leu Ala Pro Asn Gly Ala Lys
1 5 10 15

Cys Ile Pro Val Arg Asp Arg Gly Phe Leu Val Gln Thr Ile Glu Phe
20 25 30

Ala Glu Gln Arg Ile Pro Val Leu Asn Glu Tyr Cys Val Val Cys Asp
35 40 45

Glu Pro His Val Phe Gln Asn Gly Pro Met Leu Arg Pro Thr Val Cys
50 55 60

Glu Arg Glu Leu Cys Val Phe Ala Phe Gln Thr Leu Gly Val Met Asn
65 70 75 80

Glu Ala Ala Asp Glu Ile Ala Thr Gly Ala Gln Val Val Asp Leu Leu
85 90 95

Val Ser Met Cys Arg Ser Ala Leu Glu Ser Pro Arg Lys Val Val Ile
100 105 110

Phe Glu Pro Tyr Pro Ser Val Val Asp Pro Asn Asp Pro Gln Met Leu
115 120 125

Ala Phe Asn Pro Arg Lys Lys Asn Tyr Asp Arg Val Met Lys Ala Leu
130 135 140

Asp Ser Ile Thr Ser Ile Arg Glu Met Thr Gln Ala Pro Tyr Leu Glu
145 150 155 160

Ile Lys Lys Gln Met Asp Lys Gln Asp Pro Leu Ala His Pro Leu Leu
165 170 175

Gln Trp Val Ile Ser Ser Asn Arg Ser His Ile Val Lys Leu Pro Val
180 185 190

Asn Arg Gln Leu Lys Phe Met His Thr Pro His Gln Phe Leu Leu Leu
195 200 205

```
Ser Ser Pro Pro Ala Lys Glu Ser Asn Phe Arg Ala Ala Lys Lys Leu
    210                 215                 220

Phe Gly Ser Thr Phe Ala Phe His Gly Ser His Ile Glu Asn Trp His
225                 230                 235                 240

Ser Ile Leu Arg Asn Gly Leu Val Val Ala Ser Asn Thr Arg Leu Gln
                245                 250                 255

Leu His Gly Ala Met Tyr Gly Ser Gly Ile Tyr Leu Ser Pro Met Ser
            260                 265                 270

Ser Ile Ser Phe Gly Tyr Ser Gly Met Asn Lys Lys Gln Lys Val Ser
        275                 280                 285

Ala Lys Asp Glu Pro Ala Ser Ser Ser Lys Ser Ser Asn Thr Ser Gln
    290                 295                 300

Ser Gln Lys Lys Gly Gln Gln Ser Gln Phe Leu Gln Ser Arg Asn Leu
305                 310                 315                 320

Lys Cys Ile Ala Leu Cys Glu Val Ile Thr Ser Ser Asp Leu His Lys
                325                 330                 335

His Gly Glu Ile Trp Val Val Pro Asn Thr Asp His Val Cys Thr Arg
            340                 345                 350

Phe Phe Phe Val Tyr Glu Asp Gly Gln Val Gly Asp Ala Asn Ile Asn
        355                 360                 365

Thr Gln Glu Gly Gly Ile His Lys Glu Ile Leu Arg Val Ile Gly Asn
    370                 375                 380

Gln Thr Ala Thr Gly
385
```

<210> 4368
<211> 195
<212> PRT
<213> Homo sapiens

<400> 4368

```
Thr Ser Leu Gln Leu Met Met Ser Ser Phe Ser Gln Gly Val Gln Arg
  1               5                  10                  15

Gln Glu Val Val Cys Lys Arg Leu Asp Asp Asn Ser Ile Val Gln Asn
             20                  25                  30

Asn Tyr Cys Asp Pro Asp Ser Lys Pro Pro Glu Asn Gln Arg Ala Cys
```

```
         35                  40                  45

Asn Thr Glu Pro Cys Pro Pro Glu Trp Phe Ile Gly Asp Trp Leu Glu
     50                  55                  60

Cys Ser Lys Thr Cys Asp Gly Gly Met Arg Thr Arg Ala Val Leu Cys
 65                  70                  75                  80

Ile Arg Lys Ile Gly Pro Ser Glu Glu Glu Thr Leu Asp Tyr Ser Gly
                 85                  90                  95

Cys Leu Thr His Arg Pro Val Glu Lys Glu Pro Cys Asn Asn Gln Ser
            100                 105                 110

Cys Pro Pro Gln Trp Val Ala Leu Asp Trp Ser Glu Cys Thr Pro Lys
        115                 120                 125

Cys Gly Pro Gly Phe Lys His Arg Ile Val Leu Cys Lys Ser Ser Asp
    130                 135                 140

Leu Ser Lys Thr Phe Pro Ala Ala Gln Cys Pro Glu Glu Ser Lys Pro
145                 150                 155                 160

Pro Val Arg Ile Arg Cys Ser Leu Gly Arg Cys Pro Pro Pro Arg Trp
                165                 170                 175

Val Thr Gly Asp Trp Gly Gln Cys Ser Ala Gln Cys Gly Leu Gly Gln
            180                 185                 190

His Leu Gly
        195
```

<210> 4369
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO___0122920A2_I_>

<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4369
Ala Gln Gly Phe Arg His Glu Xaa Xaa Leu Leu Val Gly Gly Leu Leu
1 5 10 15

Ala Xaa Asp Gly Asp Cys Pro Gly Val Val Thr Met Phe Leu Ser Ala
20 25 30

Val Phe Phe Ala Lys Ser Lys Ser Lys Asn Ile Leu Val Arg Met Val
35 40 45

Ser Glu Ala Gly Thr Gly Phe Cys Phe Asn Thr Lys Arg Asn Arg Leu
50 55 60

Arg Glu Lys Leu Thr Leu Leu His Tyr Asp Pro Val Val Lys Gln Arg
65 70 75 80

Val Leu Phe Val Glu Lys Lys Lys Ile Arg Ser Leu
85 90

<210> 4370
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4370
Arg Phe Gln Phe Pro Val Cys His Arg Trp Pro Pro Ile Phe Gln Lys
1 5 10 15

Ser Leu Ala Pro Leu Phe Leu Phe Leu His Pro Ser Pro Gln Arg Ser
20 25 30

Leu Thr Arg Xaa Lys Gln Glu Asp Ser Val Ile Tyr Lys Arg His Phe
35 40 45

Ser Phe Thr Arg Thr Glu Asn Ser Thr Gln His Tyr Arg Asn Ser
50 55 60

<210> 4371
<211> 91

<212> PRT
<213> Homo sapiens

<400> 4371
Asp Val Cys Phe Asn Leu Ile Phe Leu Arg Asp Gly Gly His His Val
1 5 10 15

Glu Thr Arg Lys Trp Gly Lys Cys Glu Leu Ser Arg Gln Arg Phe Ile
20 25 30

Leu Cys Leu Tyr Leu Phe Leu Ile Gly Leu Ile Ser Asn Val Leu Asn
35 40 45

Ser Ser Ile Pro Gly Leu Gly Val Cys Asn Gly Tyr Gln Lys Thr Asn
50 55 60

Lys Lys Arg Lys Lys Lys Glu Lys Lys Lys Glu Asn Asn Cys Asp Met
65 70 75 80

Leu Leu Ser Leu Leu Tyr Phe Ser Asn Asn Met
85 90

<210> 4372
<211> 64
<212> PRT
<213> Homo sapiens

<400> 4372
Lys Leu Ser Glu Gly Tyr Tyr Leu Tyr Leu Met Lys Glu Asn Pro Asn
1 5 10 15

Lys Ala His Leu Glu Ile Asp Ile Leu Leu Tyr Met Cys Tyr Arg Tyr
20 25 30

Thr Tyr Ile Val Gln Ile Asp Met Cys Asp Ala Tyr Ile Gln Cys Tyr
35 40 45

Ile Cys Val Tyr Val Cys Ile His Thr Glu Ser Val Ile Cys Ile His
50 55 60

<210> 4373
<211> 255
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__0122920A2 I >

<400> 4373

```
Glu Arg Arg Val Arg Arg Val His Glu Glu Val Arg Val Lys Ile Lys
  1               5                  10                  15

Asp Leu Asn Glu His Ile Val Cys Cys Leu Cys Ala Gly Tyr Phe Val
             20                  25                  30

Asp Ala Thr Thr Ile Thr Glu Cys Leu His Thr Phe Cys Lys Ser Cys
         35                  40                  45

Ile Val Lys Tyr Leu Gln Thr Ser Lys Tyr Cys Pro Met Cys Asn Ile
     50                  55                  60

Lys Ile His Glu Thr Gln Pro Leu Leu Asn Leu Lys Leu Asp Arg Val
 65                  70                  75                  80

Met Gln Asp Ile Val Tyr Lys Leu Val Pro Gly Leu Gln Asp Ser Glu
                 85                  90                  95

Glu Lys Arg Ile Arg Glu Phe Tyr Gln Ser Arg Gly Leu Asp Arg Val
            100                 105                 110

Thr Gln Pro Thr Gly Glu Glu Pro Ala Leu Ser Asn Leu Gly Leu Pro
        115                 120                 125

Phe Ser Ser Phe Asp His Ser Lys Ala His Tyr Tyr Arg Tyr Asp Glu
    130                 135                 140

Gln Leu Asn Leu Cys Leu Glu Arg Leu Ser Ser Gly Lys Asp Lys Asn
145                 150                 155                 160

Lys Ser Val Leu Gln Asn Lys Tyr Val Arg Cys Ser Val Arg Ala Glu
                165                 170                 175

Val Arg His Leu Arg Arg Val Leu Cys His Arg Leu Met Leu Asn Pro
            180                 185                 190

Gln His Val Gln Leu Leu Phe Asp Asn Glu Val Leu Pro Asp His Met
        195                 200                 205

Thr Met Lys Gln Ile Trp Leu Ser Arg Trp Phe Gly Lys Pro Ser Pro
    210                 215                 220

Leu Leu Leu Gln Tyr Ser Val Lys Glu Lys Arg Arg Leu Ala Lys Pro
225                 230                 235                 240

Pro Pro His Pro Thr Pro Leu Pro Ser Pro Asp Ile Tyr Val Lys
                245                 250                 255
```

BNSDOCID: <WO___0122920A2_I_>

<210> 4374
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4374
Met Xaa Leu Leu Tyr Phe Ser Gln Gln Gln Ala Arg Gly Arg Asn Ile
1 5 10 15

His Lys Tyr Asp Arg Ser Tyr Met Lys Phe Gly Ser Pro Pro Ile Lys
20 25 30

Val Ala

<210> 4375
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4375
Cys Ser Pro Leu Ala Glu Glu Val Val Ser Phe Leu Trp Lys Asn Phe
1 5 10 15

Gln Asn Ser Gly Phe Phe Phe Phe Phe Gly Val Phe His Gln Leu Lys
20 25 30

Ser Asp Ser Xaa Phe Glu Phe Ser Ser Tyr Ile Cys Ile Val Ser Ser
35 40 45

Phe Phe Leu Pro Leu Tyr Pro Ser Cys Phe Thr Leu Tyr Leu Ser Ile
50 55 60

Pro Cys Ser Asn Tyr Cys Lys Ser Leu Tyr Arg Lys Ser Ser Val Ile
65 70 75 80

BNSDOCID: <WO__ 0122920A2_I_>

<210> 4376
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4376
Arg Val Phe Gln Ala Trp Leu Phe Thr Xaa Ser Phe Arg Gly Thr Leu
1 5 10 15

Lys Pro Trp Arg His Leu Ala Leu Glu Pro Trp Arg Phe Pro Cys His
20 25 30

Ser Pro Cys Trp Asp Lys Ala Arg Ala Trp His Pro Gly Met Met Phe
35 40 45

Pro Ala Ala Glu Cys Ala His Asn Leu Ser Ser Ser Cys Val Arg Gln
50 55 60

Leu His Met Leu Ala Ser Asn Xaa Pro Xaa Gln Pro Ser Gln Tyr Tyr
65 70 75 80

Cys Phe Ser Ser Ser Tyr Arg Trp Gly Asp Asp Asp Ile
85 90

<210> 4377
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4377
Lys Glu Asn Glu Lys Glu Ser Pro Arg Gln Arg Arg Gly Lys Glu Asn
1 5 10 15

Lys Leu Arg His Ser Xaa Phe Ser Phe Leu Thr Leu Cys Leu Glu His
20 25 30

His Thr Ala His Lys Leu Phe Pro Asn Ala Gln Leu Ala Pro Lys Val
35 40 45

Gly Ala Trp His Gly Xaa Gly Ala His Lys Thr Leu Thr Lys Leu Xaa
50 55 60

Ala Gly Met Gly Glu Xaa Leu Leu Val His Ser Ser Tyr Pro Leu Pro
65 70 75 80

Pro Asn Pro Leu Leu Ala
85

<210> 4378
<211> 196
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4378
Glu Lys Val Ser Leu Ser Ser Pro Ser Pro Ala Thr Leu Ala Met Asp

3982

```
1               5                  10                  15

Gln Pro Ala Gly Leu Gln Val Asp Tyr Val Phe Arg Gly Val Glu His
            20                  25                  30

Ala Val Arg Val Met Val Ser Gly Gln Val Leu Glu Leu Glu Val Glu
        35                  40                  45

Asp Arg Met Thr Ala Asp Gln Trp Arg Gly Glu Phe Asp Ala Gly Phe
    50                  55                  60

Ile Glu Asp Leu Thr His Lys Thr Gly Asn Phe Lys Gln Phe Asn Ile
65                  70                  75                  80

Phe Cys His Met Leu Glu Ser Ala Leu Thr Gln Ser Ser Glu Ser Val
                85                  90                  95

Thr Leu Asp Leu Leu Thr Tyr Thr Asp Leu Glu Ser Leu Arg Asn Arg
            100                 105                 110

Arg Trp Gly Ala Ala Xaa Ser Leu Ala Pro Arg Ser Ala Gln Leu Asn
        115                 120                 125

Ser Lys Arg Tyr Leu Ile Leu Ile Tyr Ser Val Glu Phe Asp Arg Ile
    130                 135                 140

His Tyr Pro Leu Pro Leu Pro Tyr Gln Gly Lys Pro Asp Pro Val Val
145                 150                 155                 160

Leu Gln Gly Ile Ile Arg Ser Leu Lys Glu Glu Leu Gly Arg Leu Pro
                165                 170                 175

Ser Pro Cys Pro Gly Pro Val Pro Pro Ala Ala Pro Gly Gly Leu Arg
            180                 185                 190

Cys Val Arg Pro
        195
```

<210> 4379
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO___0122920A2 I_>

<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4379
Xaa Xaa Xaa Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
1 5 10 15

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
20 25 30

Ser Ala Arg Glu Lys Asn Tyr Leu Tyr Ile Thr Leu Lys Gly Val Glu
35 40 45

Gly Leu Phe Ala Glu Leu Leu Arg Leu Lys Tyr Thr Leu Phe Leu Glu
50 55 60

Lys Ile Thr Asp Phe Leu
65 70

<210> 4380
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4380
Arg Xaa Trp Glu Thr Ala His Pro Asp Leu Pro Met Ser Gln Asn Lys
1 5 10 15

His Met Tyr Ser Gly Ser Phe Ser Phe Ser Asn Thr Leu Pro Gln Lys
20 25 30

Gln Val Val Cys Pro Arg His Lys Glu Gly Lys Leu Ala Ile Phe Pro
35 40 45

Thr Ser Lys Phe Cys Lys Ile Ile Asp Leu Leu Lys Arg Phe Leu Phe
50 55 60

Ile Ile Pro Thr Leu Cys Lys Trp Lys Gly His Cys Val Pro Cys Val
65 70 75 80

Ser Ser Leu Gln Arg Leu Cys Pro Leu Ala Cys Phe Val Thr Ile Ser
85 90 95

Leu Gly Glu Glu Trp Val His Pro Ala Pro Arg Pro Val Val Ala Arg
100 105 110

Gly Leu Pro Cys Glu Phe
115

<210> 4381
<211> 23
<212> PRT
<213> Homo sapiens

<400> 4381
Glu Gln Val Val Ser Ile Phe Leu His Tyr Leu Phe Leu Glu Thr His
1 5 10 15

Lys Met Asp Cys Ile Phe Leu
20

<210> 4382
<211> 173
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (155)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (163)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4382

```
Glu Tyr Ile Lys Asn Ser Gln Asn Asn Ser Thr Cys Glu Tyr Gly Ala
  1               5                  10                  15

Pro Cys Lys Tyr Ile Arg Lys Pro Ile Asp Tyr Thr Val Leu Asp Asp
             20                  25                  30

Val Gly His Gly Val Lys Trp Leu Lys Ala Lys His Gly Asn Asn Gln
         35                  40                  45

Pro Ala Arg Thr Gly Thr Leu Ser Arg Thr Asn Pro Pro Thr Gln Lys
     50                  55                  60

Pro Pro Ser Pro Pro Met Ser Gly Arg Gly Thr Leu Gly Arg Asn Thr
 65                  70                  75                  80

Pro Tyr Lys Thr Leu Glu Pro Val Lys Pro Pro Thr Val Pro Asn Asp
                 85                  90                  95

Tyr Met Thr Ser Pro Ala Arg Leu Gly Ser Gln His Ser Pro Gly Arg
            100                 105                 110

Thr Ala Ser Leu Asn Gln Arg Pro Arg Thr His Ser Gly Ser Ser Gly
        115                 120                 125

Gly Ser Gly Lys Phe Glu Glu Asn Ser Gly Ser Ser Ser Xaa Gly Xaa
    130                 135                 140

Pro Xaa Ala Val Pro Thr Pro Ser Ala Pro Xaa Ile Leu Lys Pro Phe
145                 150                 155                 160

Val Asp Xaa Ser Asn Phe His Arg His His Phe Xaa Pro
                165                 170
```

<210> 4383
<211> 137
<212> PRT
<213> Homo sapiens

<400> 4383
Leu Glu Val Asp Trp Ser Leu Phe Asp Gly Phe Ala Asp Gly Leu Gly
1 5 10 15

Val Ala Glu Ala Ile Ser Tyr Val Asp Pro Gln Phe Leu Thr Tyr Met
20 25 30

Ala Leu Glu Glu Arg Leu Ala Gln Ala Met Glu Thr Ala Leu Ala His
35 40 45

Leu Glu Ser Leu Ala Val Asp Val Glu Val Ala Asn Pro Pro Ala Ser
50 55 60

Lys Glu Ser Ile Asp Ala Leu Pro Glu Ile Leu Val Thr Glu Asp His
65 70 75 80

Gly Ala Val Gly Gln Glu Met Cys Cys Pro Ile Cys Cys Ser Glu Tyr
85 90 95

Val Lys Gly Glu Val Ala Thr Glu Leu Pro Cys His His Tyr Phe His
100 105 110

Lys Pro Cys Val Ser Ile Trp Leu Gln Lys Ser Gly Thr Cys Pro Val
115 120 125

Cys Arg Cys Met Phe Pro Pro Pro Leu
130 135

<210> 4384
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4384
Xaa Pro Xaa Leu Gly Arg Ser Gln Xaa Glu Pro Pro Leu Ser Ala Ser
1 5 10 15

Xaa Pro Pro Ala Ser Gln Pro Pro Gln Met Arg Phe Leu Pro Leu Pro
20 25 30

Pro Arg Asn Gln Asn Pro His Cys Ser Gln Asp Gly Leu Ile Tyr Lys
35 40 45

Pro Asp Thr Cys Ser
50

<210> 4385
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4385
Gly Arg Gly Xaa Val Asn Ile Leu Ser Ala Leu Phe Pro Arg Gly Ile
1 5 10 15

Asn Ile Lys Val Met Asp Ile Leu Lys Ser Gln Phe Asn Phe Phe Leu
20 25 30

Phe Thr Met Gln Tyr Ser Arg Gly Thr Ser Asn Val Asp Leu Val Phe
35 40 45

Ser Ser Ser Asn Ala Leu Ile Thr Leu Pro His Arg Val Val Val Gly
50 55 60

Xaa Asn Lys Thr Leu Trp Xaa Gln Lys Lys
65 70

<210> 4386
<211> 82
<212> PRT
<213> Homo sapiens

<400> 4386
Glu Ala Ser Gly Gln Val Leu Pro Pro Asn Leu Lys Thr Leu Gly Met
1 5 10 15

Gln Leu Gly Arg Asp Leu Ser Arg Phe Cys Leu Asp Lys Gln Val Arg
20 25 30

Met Ala Glu His Trp Leu Ile Val Asn Gln Cys Phe Phe Ile Tyr Leu
35 40 45

Lys Tyr Ser Gln Gln Leu Ile Leu Arg Ser Phe Leu Lys Val Leu His
50 55 60

Leu His Pro His Asn Ser Pro Ile Gln Asn Met Glu Gln Gly Cys Gly
65 70 75 80

Ala Val

<210> 4387
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4387
Gly Asp Ser Val Ser Lys Lys Lys Lys Lys Xaa Val Pro Thr Val Tyr
1 5 10 15

Val Trp Ala Leu Val Leu Glu Pro Val Leu Lys Glu Ser Gly Gln Ala
20 25 30

Gln Trp Leu Thr Pro Val Ile Ser Ala His Trp Glu Ala Glu Val Gly
35 40 45

Gly Ser Pro Glu Val Arg Ser Ser Arg Pro Ala Trp Pro Thr Trp
50 55 60

<210> 4388
<211> 107
<212> PRT
<213> Homo sapiens

<400> 4388
Lys Lys Lys Lys Leu Pro Ile Val Thr Leu Ala Val Leu Ile Asn Lys
1 5 10 15

Arg Cys Cys Val Arg Ser Pro Val Ser Val Trp Ile Gln Gln Leu Ser
20 25 30

Arg Glu Ser His Cys Met Gly Val Glu Leu Thr Val Leu Val Ile Cys
35 40 45

Lys Pro Pro Arg Pro Asn Leu Arg Val Tyr Leu Gly Phe Ser Val Cys
50 55 60

Pro Leu Gly Phe Cys Phe Thr Leu Phe Trp Cys Arg Phe Ser Ile Tyr
65 70 75 80

Ser Gln Ile Ser Phe Met Met Phe Lys Thr Phe Thr Asp Val Lys Trp
85 90 95

Arg Lys Gly Thr Glu Lys Lys Ile Phe Thr Lys
100 105

<210> 4389
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4389
Leu Pro Gly Ser Cys His Ser Pro Ala Ser Ala Ser Arg Val Ala Gly
1 5 10 15

Thr Thr Gly Thr Cys His His Thr Arg Leu Leu Phe Tyr Ile Phe Ser
20 25 30

Xaa Asp Xaa Phe His His Val Ser Gln Asp Gly Leu Asp Leu Leu Thr
35 40 45

Ser

<210> 4390
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4390
Pro Gln Ser Val Ala Ala Gly Ser Thr Ala Leu Gly Ser Asp Thr Val
1 5 10 15

Met Val Pro Met Ile Gly Gln Asp Leu Xaa Gly Glu Thr Gln Glu Thr
20 25 30

Arg Pro Cys Ser Ser Arg Pro Glu Gly Arg Gly Ala Pro Glu Leu Gly
35 40 45

Ser Gly Met Pro His Ser Leu Ala Thr Cys Phe Gly Tyr Ala Pro Cys

50 55 60

Ser Ser Cys Thr Trp Leu Pro Arg Glu Asn Ser Asp Leu Ser Gly Lys
65 70 75 80

Trp Ser Gln Trp Leu Cys Gly Arg Pro Phe Leu Gln Pro Gly Xaa Gln
85 90 95

Ser Gly Phe Pro Trp Asp Cys Val Ala Pro Val Pro Thr Gly Leu Pro
100 105 110

Ile Pro His Ser His Cys Trp Thr Xaa Thr Arg Thr Gly His Arg Ala
115 120 125

Ser Phe Cys
130

<210> 4391
<211> 53
<212> PRT
<213> Homo sapiens

<400> 4391
Lys Thr Val Leu Arg Asp Ser Leu Val Phe Gly Thr Leu Arg Ser Ser
1 5 10 15

Leu Gly Arg Ser Leu Ala Leu Ile Val Val Leu Lys Arg Val Leu Ser
20 25 30

Gly Leu Glu Pro Met Leu Ser Leu Leu Phe Met Gly Phe His Asn Ile
35 40 45

Leu Lys Leu Phe Val
50

<210> 4392
<211> 71
<212> PRT
<213> Homo sapiens

<400> 4392
Val Phe Gln His Tyr Leu Phe Asp Gln Ser Lys Ile His Phe Pro Ser
1 5 10 15

Leu Gln Thr Glu His Asn Tyr Ser Cys Leu His Ile His Ile Phe Asp
20 25 30

```
Val Pro Thr Phe Cys Ile Leu His Glu Thr Phe Gly Leu Asn Lys Ile
         35                  40                  45

Leu Arg Ile Leu Tyr Phe Val Ser His Leu Pro Ser Cys Ser Leu Pro
     50                  55                  60

Ser Ser Lys Asp Val Leu Tyr
 65                  70
```

<210> 4393
<211> 135
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4393

```
Ser Ser Arg Pro Gln Trp Gln Pro Cys Gly Lys Trp Pro Thr Lys Pro
  1               5                  10                  15

Tyr Pro Gly Ser Pro Asn Thr Leu Cys Leu Glu Pro Leu Leu Arg Val
             20                  25                  30

Tyr Ser Leu Arg Gly Leu Cys Gly Arg Ser Met Leu Gln Phe Lys His
         35                  40                  45

Val Ser Thr Thr Leu Leu Arg Ala Ala Trp Glu Arg Thr Gly His Gln
     50                  55                  60

Asp Tyr Leu Phe Lys Tyr Lys Lys Arg Gly Lys His Thr His Gly Lys
 65                  70                  75                  80

Lys Ile Val Ser Thr Phe Phe Val Lys Pro Met Ser Val Leu Leu His
                 85                  90                  95

Thr Phe His Val Val Leu Cys Lys Cys Leu Ile Cys Val Ile Lys Leu
            100                 105                 110

Met Gln Val Lys Lys Lys Lys Lys Met Gly Glu Val Ile Pro Cys Xaa
        115                 120                 125

Val Ile Ser Leu Leu Arg Val
    130                 135
```

BNSDOCID: <WO__ 0122920A2 I >

<210> 4394
<211> 134
<212> PRT
<213> Homo sapiens

<400> 4394
Ala Thr Ala Ser Arg Thr Arg Leu Ala Val His Glu Arg Ala Arg Pro
1 5 10 15

Gly Trp Arg Trp Gly Arg Ala Glu Ala Ala Glu Val Leu Arg Ala Thr
20 25 30

Gly Gly Trp Gln Trp Ala Gly Glu Arg Gly Arg Gln Ala Arg Leu Gly
35 40 45

Leu Gly Leu Trp Arg Arg Gly Thr Leu Cys Leu Gly Ser Leu Thr Ala
50 55 60

Pro Pro Gly Ser Pro Glu Arg Gly Thr Gly Gly Glu Gly Gly Gly Ser
65 70 75 80

Trp Ala Pro Cys Ala Ala Gly Pro Arg Gly Ala Arg Val Ala Ala Gly
85 90 95

Ser Ala Gly Pro Asp Arg Val Asn Gly Arg Ala Trp Pro Val Pro Arg
100 105 110

Gly Ala Pro Ala Ala Thr Ala Leu Ala Ala Gly Thr Gly Val Leu Arg
115 120 125

Gly Arg Ser Leu Pro Phe
130

<210> 4395
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4395
Ile Lys Ile Thr Ser Ile Cys Glu Leu Asn Phe Ile Ile Cys His Phe
1 5 10 15

Val Glu Ser Thr Leu His Xaa Leu Val Xaa Leu Glu Leu Ile Val Thr
20 25 30

Thr Arg Leu Tyr Asp Asn Ser Val Leu Xaa Leu Ile Pro Ile Ile
35 40 45

<210> 4396
<211> 40
<212> PRT
<213> Homo sapiens

<400> 4396
Ile Ser Leu Asn Pro Cys Tyr Val Phe Phe Phe Ser Gln Val Leu Gln
1 5 10 15

Asn Asp Tyr Cys Thr Trp Ser Ile Val Leu Ile Val Asn Phe Val Ile
20 25 30

Asn Leu Leu Cys Val Lys Arg Gly
35 40

<210> 4397
<211> 33
<212> PRT
<213> Homo sapiens

<400> 4397
Asp Pro Arg Val Arg Pro Arg Val Arg Lys Thr Glu Arg Asp Arg Lys
1 5 10 15

Glu Lys Leu Ile Gln Glu Gly Lys Leu Asp Arg Thr Phe His Leu Ser
20 25 30

Tyr

<210> 4398

<211> 439
<212> PRT
<213> Homo sapiens

<400> 4398

```
His Glu Gln Pro Ser Ala Pro Ser Leu Arg Pro Ala Leu Pro Ser Cys
 1               5                  10                  15

Pro Pro Arg Gln Arg Leu Val Phe Leu Lys Thr His Lys Ser Gly Ser
            20                  25                  30

Ser Ser Val Leu Ser Leu Leu His Arg Tyr Gly Asp Gln His Gly Leu
        35                  40                  45

Arg Phe Ala Leu Pro Ala Arg Tyr Gln Phe Gly Tyr Pro Lys Leu Phe
    50                  55                  60

Gln Ala Ser Arg Val Lys Gly Tyr Arg Pro Gln Gly Gly Gly Thr Gln
65                  70                  75                  80

Leu Pro Phe His Ile Leu Cys His His Met Arg Phe Asn Leu Lys Glu
                85                  90                  95

Val Leu Gln Val Met Pro Ser Asp Ser Phe Phe Phe Ser Ile Val Arg
            100                 105                 110

Asp Pro Ala Ala Leu Ala Arg Ser Ala Phe Ser Tyr Tyr Lys Ser Thr
        115                 120                 125

Ser Ser Ala Phe Arg Lys Ser Pro Ser Leu Ala Ala Phe Leu Ala Asn
    130                 135                 140

Pro Arg Gly Phe Tyr Arg Pro Gly Ala Arg Gly Asp His Tyr Ala Arg
145                 150                 155                 160

Asn Leu Leu Trp Phe Asp Phe Gly Leu Pro Phe Pro Pro Glu Lys Arg
                165                 170                 175

Ala Lys Arg Gly Asn Ile His Pro Pro Arg Asp Pro Asn Pro Pro Gln
            180                 185                 190

Leu Gln Val Leu Pro Ser Gly Ala Gly Pro Arg Ala Gln Thr Leu Asn
        195                 200                 205

Pro Asn Ala Leu Ile His Pro Val Ser Thr Val Thr Asp His Arg Ser
    210                 215                 220

Gln Ile Ser Ser Pro Ala Ser Phe Asp Leu Gly Ser Ser Ser Phe Ile
225                 230                 235                 240

Gln Trp Gly Leu Ala Trp Leu Asp Ser Val Phe Asp Leu Val Met Val
```

BNSDOCID: <WO___0122920A2_I_>

245 250 255

Ala Glu Tyr Phe Asp Glu Ser Leu Val Leu Leu Ala Asp Ala Leu Cys
260 265 270

Trp Gly Leu Asp Asp Val Val Gly Phe Met His Asn Ala Gln Ala Gly
275 280 285

His Lys Gln Gly Leu Ser Thr Val Ser Asn Ser Gly Leu Thr Ala Glu
290 295 300

Asp Arg Gln Leu Thr Ala Arg Ala Arg Ala Trp Asn Asn Leu Asp Trp
305 310 315 320

Ala Leu Tyr Val His Phe Asn Arg Ser Leu Trp Ala Arg Ile Glu Lys
325 330 335

Tyr Gly Gln Gly Arg Leu Gln Thr Ala Val Ala Glu Leu Arg Ala Arg
340 345 350

Arg Glu Ala Leu Ala Lys His Cys Leu Val Gly Gly Glu Ala Ser Asp
355 360 365

Pro Lys Tyr Ile Thr Asp Arg Arg Phe Arg Pro Phe Gln Phe Gly Ser
370 375 380

Ala Lys Val Leu Gly Tyr Ile Leu Arg Ser Gly Leu Ser Pro Gln Asp
385 390 395 400

Gln Glu Glu Cys Glu Arg Leu Ala Thr Pro Glu Leu Gln Tyr Lys Asp
405 410 415

Lys Leu Asp Ala Lys Gln Phe Pro Pro Thr Val Ser Leu Pro Leu Lys
420 425 430

Thr Ser Arg Pro Leu Ser Pro
435

<210> 4399
<211> 104
<212> PRT
<213> Homo sapiens

<400> 4399
Leu Val Asn Ser Met Thr Pro His Phe Arg Cys Leu Asn Thr Trp Tyr
1 5 10 15

Thr Arg Gln Tyr Lys Pro Ser Ala Ser Asn Ala Phe Met Val Cys Gly
20 25 30

```
Val Leu Tyr Ala Thr Arg Thr Met Asn Thr Arg Thr Glu Glu Ile Phe
         35                  40                  45

Tyr Tyr Tyr Asp Thr Asn Thr Gly Lys Glu Gly Lys Leu Asp Ile Val
     50                  55                  60

Met His Lys Met Gln Glu Lys Val Gln Ser Ile Asn Tyr Asn Pro Phe
 65                  70                  75                  80

Asp Gln Lys Leu Tyr Val Tyr Asn Asp Gly Tyr Leu Leu Asn Tyr Asp
                 85                  90                  95

Leu Ser Val Leu Gln Lys Pro Gln
            100
```

<210> 4400
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4400

```
Leu Pro Ser Pro Phe Leu Glu Thr Val Ser Thr Val Asp Ser Gly Ala
  1               5                  10                  15

Pro Thr Asp Leu Ala Gln Leu Pro Thr Val Leu Lys Gln Pro Cys Cys
            20                  25                  30

Ser Val Met Ala Ser Gly Gln Phe Val Asn Lys Leu Gln Glu Glu Val
         35                  40                  45

Ile Cys Pro Ile Cys Leu Asp Ile Leu Gln Lys Pro Val Thr Ile Asp
     50                  55                  60

Cys Gly His Asn Phe Cys Leu Lys Cys Ile Thr Gln Ile Gly Glu Thr
 65                  70                  75                  80

Ser Cys Gly Phe Phe Lys Cys Pro Leu Cys Lys Thr Ser Val Arg Lys
                 85                  90                  95

Asn Ala Ile Arg Phe Asn Ser Leu Leu Arg Asn Leu Val Glu Lys Ile
            100                 105                 110

Gln Ser Ser Thr Xaa Pro Leu Arg Cys Ser Pro Lys Gly Lys Glu Ala
```

115 120 125

Thr Leu Pro Glu Ala Pro Gly Asp Val Pro Leu Phe Leu Arg Gly
130 135 140

<210> 4401
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4401
Arg Met Glu Thr Ser Val Ile Lys Asp Ile Leu Phe Leu Thr Leu Ser
1 5 10 15

Arg Leu Leu Thr Cys Ser Leu Asp Tyr Asn Pro Thr Cys Lys Lys Asn
20 25 30

Leu Lys Met Val Met Arg Lys Val Arg Tyr Ile Tyr Ile Tyr Val Leu
35 40 45

Xaa Phe
50

<210> 4402
<211> 98
<212> PRT
<213> Homo sapiens

<400> 4402
Asn Ser Ala Arg Glu Arg Pro Ser Ser Val Lys Ser Leu Arg Ser Glu
1 5 10 15

Arg Leu Ile Arg Thr Ser Leu Asp Leu Glu Leu Asp Leu Gln Ala Thr
20 25 30

Arg Thr Trp His Ser Gln Leu Thr Gln Glu Ile Ser Val Leu Lys Glu
35 40 45

Leu Lys Glu Gln Leu Glu Gln Ala Lys Ser His Gly Glu Lys Glu Leu
50 55 60

Pro Gln Trp Leu Arg Glu Asp Glu Arg Phe Arg Leu Leu Leu Arg Met

BNSDOCID: <WO__ 0122920A2 I_>

65 70 75 80

Leu Glu Lys Arg Met Asp Arg Ala Asp Thr Arg Val Ser Phe Arg Gln
85 90 95

Thr Arg

<210> 4403
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4403
Thr Lys Phe Xaa Gly Pro Leu Asn His Leu Asn Gly Leu Pro Ser Gly
1 5 10 15

Pro Gly His Ser Lys Ile Lys Pro Glu Arg Leu Val Gln Ala Met Met
20 25 30

Gly Ser Gly Ser Arg Thr Cys Leu Ile Ile Pro Ser Ser Ile Asn Ile
35 40 45

Asn Thr Asp Leu Lys Ala Asp Lys Lys His Leu Gln Ser Ile Leu Ser
50 55 60

Glu Val Phe Tyr Leu Glu Ala Ser Ser Ala
65 70

<210> 4404
<211> 305
<212> PRT
<213> Homo sapiens

<400> 4404
Pro Ser Ser His Phe Ala Ser Ile Phe Glu Glu Ser His Val Pro Val
1 5 10 15

Ile Glu Glu Ser Leu Arg Val Gln Ile Cys Glu Lys Ala Glu Glu Leu
20 25 30

Lys Asp Ile Val Pro Glu Lys Lys Ser Thr Leu Asn Glu Asn Gln Pro

35 40 45

Glu Ile Lys His Gln Ser Leu Leu Gln Lys Asn Val Ser Lys Arg Asp
50 55 60

Pro Pro Ser Ser His Gly His Ser Asn Lys Lys Asn Leu Leu Lys Val
65 70 75 80

Glu Asn Gly Val Thr Arg Arg Gly Arg Ser Val Ser Pro Lys Lys Pro
85 90 95

Ala Ser Gln His Ser Glu Glu His Leu Asp Lys Ile Pro Ser Pro Leu
100 105 110

Lys Asn Asn Pro Lys Arg Arg Pro Arg Asp Gln Ser Leu Ser Pro Ser
115 120 125

Lys Gly Glu Asn Lys Ser Cys Gln Val Ser Thr Arg Ala Gly Ser Gly
130 135 140

Gln Asp Gln Cys Arg Lys Ser Arg Val Val Ala Ser Pro Lys Lys Gln
145 150 155 160

Gln Lys Ile Glu Gly Ser Lys Ala Pro Ser Asn Ala Glu Ala Lys Leu
165 170 175

Leu Glu Gly Lys Ser Arg Arg Ile Ala Gly Tyr Thr Gly Ser Asn Ala
180 185 190

Glu Gln Ile Pro Asp Gly Lys Glu Lys Ser Asp Val Ile Arg Lys Asp
195 200 205

Ala Lys Gln Asn Gln Leu Glu Lys Ser Arg Thr Arg Ser Pro Glu Lys
210 215 220

Lys Ile Lys Arg Met Val Glu Lys Ser Leu Pro Ser Lys Met Thr Asn
225 230 235 240

Lys Thr Thr Ser Lys Glu Val Ser Glu Asn Glu Lys Gly Lys Lys Val
245 250 255

Thr Thr Gly Glu Thr Ser Ser Ser Asn Asp Lys Ile Gly Glu Asn Val
260 265 270

Gln Leu Ser Glu Lys Arg Leu Lys Gln Glu Pro Glu Glu Lys Val Val
275 280 285

Ser Asn Lys Thr Glu Asp His Lys Gly Lys Glu Leu Glu Ala Ala Val
290 295 300

Gln

305

<210> 4405
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4405
Ser Ser Asn Arg Phe Val Phe Lys Asp Pro Asn Arg Phe Val Ile Leu
1 5 10 15

Asn Lys His Val Ala Ile Tyr Lys Thr Cys Leu Lys Val Leu Leu Ser
20 25 30

Pro Trp Asn Phe Phe Leu Tyr Phe Met Leu Ile Tyr Leu Xaa Phe Tyr
35 40 45

Ser Leu Ile Ile Ala Leu Glu Arg Pro His His Cys Leu His Gly Asn
50 55 60

Val Val Gly Thr Asn Thr Trp
65 70

<210> 4406
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4406
Ile Ser Cys Asn Tyr Cys Ser Cys Xaa Asn Ser Cys Glu Trp Leu Xaa
1 5 10 15

Val Xaa Leu Xaa Val Leu Gly Xaa Xaa Trp Tyr Thr Phe Val Gly Cys
20 25 30

Xaa Leu Lys Glu Xaa Ala Xaa Pro Val Cys Ser Leu Tyr His Thr Xaa
35 40 45

Leu Pro Leu Thr Ser Leu Gly Leu Leu Xaa Ser Lys Phe Cys Lys Pro
50 55 60

Phe Ser Gln Val Gln Arg Tyr Ile Leu Thr Leu Ser Ser Pro Xaa Leu
65 70 75 80

Leu Ser Arg Asn Phe Xaa
85

<210> 4407
<211> 34
<212> PRT
<213> Homo sapiens

<400> 4407
Ser Ala Cys Leu Gly Leu Pro Lys Cys Trp Asp Tyr Arg His Glu Pro
1 5 10 15

Pro His Val Ala His Phe Phe Phe Ile Ser Glu Phe Val Val Phe Thr
20 25 30

Leu Phe

<210> 4408
<211> 148
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4408

Glu Ile Gly Tyr Leu Met Ser Lys Glu Xaa Asn Tyr Lys Arg Thr Arg
1 5 10 15

Glu Tyr Ile Arg Xaa Leu Lys Xaa Val Pro Ser Ile Pro Tyr Leu Gly
20 25 30

Ile Tyr Leu Leu Xaa Leu Ile Tyr Ile Xaa Ser Ala Tyr Pro Ala Ser
35 40 45

Gly Val Ile Met Glu Asn Glu Gln Arg Ser Asn Gln Met Asn Asn Ile
50 55 60

Leu Arg Ile Ile Ala Asp Leu Gln Val Ser Cys Ser Tyr Asp His Leu
65 70 75 80

Thr Thr Leu Pro His Val Gln Lys Tyr Leu Lys Ser Val Arg Tyr Ile
85 90 95

Glu Glu Leu Gln Lys Phe Val Glu Asp Asp Asn Tyr Lys Leu Ser Leu
100 105 110

Arg Ile Glu Pro Gly Ser Ser Ser Pro Arg Leu Val Ser Ser Lys Glu
115 120 125

Asp Leu Ala Gly Pro Ser Ala Gly Ser Gly Ser Ala Arg Phe Ser Arg
130 135 140

Arg His Leu Ser
145

<210> 4409

<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4409
Thr Pro Tyr Val Ser Leu Arg Ile Leu Tyr Asp Ser Glu Phe Ser Ile
1 5 10 15

Ser Xaa Lys Trp Ser His Phe Cys Phe Val Pro Tyr Asn Ser Thr Glu
20 25 30

Ser Phe Phe Phe Xaa Arg Lys Gly Val Gly Lys Gly Lys Trp Glu Lys
35 40 45

Thr Trp Asn His Ile Pro Leu Phe Gly Ala Ala Arg Gln Glu Phe
50 55 60

<210> 4410
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO___0122920A2 I_>

<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4410
Ile Xaa Arg Lys Ala Lys Ile Ser Trp Trp Lys Ser Glu Val Thr Arg
1 5 10 15

Arg Ser Phe Trp Ser Arg Val Leu Met Ser Ala Ala Pro Ala Lys Pro
20 25 30

Leu Ala Ser Cys Cys Ala Xaa Tyr Ser Val Ser Lys Ala Arg Ala Ile
35 40 45

Gly Gln His Ser Pro Gly Ser Xaa Trp Ala Thr Ser Ala Xaa Phe Phe
50 55 60

Phe Phe Phe Gly Xaa Trp Gln Arg His Gly Pro Asn Gly His His Gln
65 70 75 80

Ser Gly Leu

<210> 4411
<211> 39
<212> PRT
<213> Homo sapiens

<400> 4411
Leu Asn Thr Ser Tyr Leu Tyr Phe Phe Ser Ile Ser Phe His Leu Ser
1 5 10 15

Val Ser Ser Phe Ser His Asp Leu Thr Cys Leu Tyr Phe Leu Leu Thr
20 25 30

Asp Lys Ala Phe Lys Asn Ser
35

<210> 4412
<211> 78
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I_>

<400> 4412
His Phe Arg Glu Gly Gln Gly Ile Met Met Pro Ser Cys Lys Gly Ser
1 5 10 15

Leu Cys Glu Lys Lys Lys Ser Asn Asn Val Asp Phe Lys Ile Thr Lys
20 25 30

Asp Ile His Leu Gln Phe Met Lys Gly Lys Cys Ser Leu Asp Thr Lys
35 40 45

Leu Ile Lys Leu Asp Gln Glu Ile Leu Glu Leu Asn Ala Lys Asn Asn
50 55 60

Pro Cys Ile Tyr Gly Phe Asp Phe Tyr Ile Phe Pro Ala Ser
65 70 75

<210> 4413
<211> 62
<212> PRT
<213> Homo sapiens

<400> 4413
Val Pro Ile Ile Leu Lys Asn Ser His Lys Tyr Asn Lys Val His Cys
1 5 10 15

Phe Arg Val Phe Lys Lys Arg Val Val Pro Lys Ala Ile Leu Thr Leu
20 25 30

Leu Cys Tyr His Cys Lys Gly Val Ile Cys Met Tyr Tyr Ile Lys Lys
35 40 45

Lys Thr Leu Asn Ala Leu Leu Ser Pro Lys Tyr Leu Val Asn
50 55 60

<210> 4414
<211> 121
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)

BNSDOCID: <WO___0122920A2 I_ >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4414

Ile Leu Glu Asp Leu Glu Pro Glu Cys Pro Leu Thr Gln Gln Ser His
1 5 10 15

Tyr Trp Leu Tyr Thr Gln Arg Xaa Ile Asn His Ser Thr Ile Lys Thr
20 25 30

Cys Ala Phe Tyr Tyr Lys Asp Met Cys Met Phe Ile Ala Ala Leu Phe
35 40 45

Thr Ile Ala Lys Thr Trp Asn Gln Pro Lys Cys Pro Ser Met Ile Asp
50 55 60

Trp Ile Lys Lys Thr Trp His Ile Xaa Thr Met Glu Tyr Tyr Ala Ala
65 70 75 80

Ile Lys Lys Asn Xaa Phe Met Xaa Phe Ala Gly Xaa Trp Met Lys Xaa
85 90 95

Glu Thr Ile Ile Leu Xaa Lys Leu Thr Gln Glu Gln Lys Thr Lys His
100 105 110

Xaa Met Leu Ser Leu Ile Ser Gly Ser
115 120

<210> 4415
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4415
Pro Leu Leu Gly Ile Tyr Leu Arg Lys Asn Lys Ala Tyr Ile His Met
1 5 10 15

Lys Thr Cys Lys
20

<210> 4416
<211> 82
<212> PRT
<213> Homo sapiens

<400> 4416
Leu Pro Val Leu Trp Leu Gly Pro Ser Leu Ser Thr Ser Gly Glu Cys
1 5 10 15

Met Cys Leu Ser Asp Gln His His Cys Thr Arg Arg Ser Ser Glu Pro
20 25 30

Leu Ala Lys Cys His Thr His Ser Ser Gln Arg Arg Asp Glu Leu Lys
35 40 45

Leu Tyr Ser Glu Ile Met Lys Pro Glu Pro Val Pro Asp Leu Leu Leu
50 55 60

Pro Leu Ile Glu Leu Leu Cys Asn Ser Lys Phe Lys Ile Arg Ser Arg
65 70 75 80

Glu Arg

<210> 4417
<211> 151
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4417
Gly Thr Ser Ala Gly Ala Gln Thr Lys Gly Ala Leu Cys Gln Leu Lys
1 5 10 15

Val Pro Thr Glu Lys Leu Pro Ser Pro Leu Pro Thr Met Ala Asp Glu
20 25 30

Ile Asp Phe Thr Thr Gly Asp Ala Gly Ala Ser Ser Thr Tyr Pro Met
35 40 45

Gln Cys Ser Ala Leu Arg Lys Asn Gly Phe Val Val Leu Lys Gly Arg
50 55 60

Pro Cys Lys Ile Val Glu Met Ser Thr Ser Lys Thr Gly Lys His Gly
65 70 75 80

His Ala Lys Val His Leu Val Gly Ile Asp Ile Phe Thr Gly Lys Lys
85 90 95

Tyr Glu Asp Ile Cys Pro Ser Thr His Asn Met Asp Val Pro Asn Ile
100 105 110

Lys Arg Asn Asp Tyr Gln Leu Ile Cys Ile Gln Asp Gly Tyr Leu Ser
115 120 125

Leu Leu Thr Glu Thr Gly Glu Val Arg Glu Asp Leu Lys Leu Pro Glu
130 135 140

Gly Xaa Thr Arg Gln Arg Lys
145 150

<210> 4418
<211> 75
<212> PRT
<213> Homo sapiens

<400> 4418
Asp Glu Glu Thr Val Lys Thr Pro Arg Lys Lys Thr Cys Val His Phe
1 5 10 15

Ser Gly Lys Phe Ser Asn Cys Val Ile Gln Phe Ser Phe Asn Tyr Ile
20 25 30

```
Ile Trp Leu Tyr Ala Leu Lys Asn Ile Cys Leu Asn Val Pro Gly Phe
          35                  40                  45

Leu Leu Val Leu Glu Ser Ala Glu Cys Trp Leu Cys Ser His Ser Tyr
      50                  55                  60

Phe Cys Ile Gln Lys Gly Val Thr Pro Phe Ile
 65                  70                  75
```

<210> 4419
<211> 48
<212> PRT
<213> Homo sapiens

<400> 4419

```
Val Lys Ala Thr Cys Leu Gly Phe Leu Asn His Ile Asn Cys Tyr Ile
  1               5                  10                  15

Leu Tyr Phe Ile Ile Ile Leu Cys Val Ser Val Tyr Trp Asn Asn Met
             20                  25                  30

Phe Tyr Leu Val Ser Trp Cys Lys Ser Phe Leu Asn Leu Leu Leu Tyr
          35                  40                  45
```

<210> 4420
<211> 38
<212> PRT
<213> Homo sapiens

<400> 4420

```
Tyr Ala Ser Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser
  1               5                  10                  15

Ser Thr Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys
             20                  25                  30

Arg Asn Ser Ala Arg Val
          35
```

<210> 4421
<211> 59

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4421
Ser Cys Gln Ser Leu Asp Xaa Glu Val Ser Gly Lys Ser Leu Lys Tyr
1 5 10 15

Ala Phe Asp Thr Gly Lys Tyr Ile Leu Leu Met Phe His Lys Arg Ile
20 25 30

Leu Glu Ser Val Glu Asn Ile Asn Tyr Phe His Glu Leu Phe Leu Lys
35 40 45

Tyr Asn Phe Lys Val Leu Ile Phe Leu Phe Lys
50 55

<210> 4422
<211> 68
<212> PRT
<213> Homo sapiens

<400> 4422
Glu Val Ile Gln Ile Thr Phe Val Val Val Ile Phe Asn Tyr Ser Ser
1 5 10 15

Thr Leu Thr His Asp Glu Leu Arg Asn Ile Lys Asp Asn Cys Cys Leu
20 25 30

Asn Ser Thr Pro Arg Asp Thr Asp Leu Ile Gly Leu Gly Trp Arg Ser
35 40 45

Gly Met Val Val Phe Phe Lys Leu Gln Ser Ser Ala Arg Gln Leu Leu
50 55 60

Tyr Val Gly Phe
65

<210> 4423
<211> 160
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4423

```
Gly Pro Gly Lys Arg Arg Leu Gln Gly Arg Ser Arg Gly His Met Ala
  1               5                  10                  15

Glu Gly Asp Ala Arg Ser Asp Gln Arg His Asn Glu Glu Ile Glu Ala
             20                  25                  30

Met Ala Pro Ile Tyr Gly Glu Glu Trp Cys Val Ile Asp Asp Cys Ala
         35                  40                  45

Lys Ile Phe Cys Ile Arg Ile Xaa Asp Asp Xaa Asp Asp Pro Xaa Trp
     50                  55                  60

Thr Leu Cys Leu Xaa Val Met Leu Pro Asn Glu Tyr Pro Gly Thr Ala
 65                  70                  75                  80

Pro Pro Ile Tyr Gln Leu Asn Ala Pro Trp Leu Lys Gly Gln Glu Arg
                 85                  90                  95

Ala Asp Leu Ser Asn Ser Leu Glu Glu Ile Tyr Ile Gln Asn Ile Gly
            100                 105                 110
```

```
Glu Ser Ile Leu Tyr Leu Trp Val Glu Glu Asn Lys Arg Cys Ser Tyr
        115                 120                 125

Tyr Lys Asn Leu Gln Val Thr Glu Pro Gly Pro Asp Val Lys Gly Gly
    130                 135                 140

Lys Leu Xaa Glu Glu Asp Val Gly Met Trp Lys Val Asp Xaa His Phe
145                 150                 155                 160
```

<210> 4424
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4424

```
Gly Leu Thr Ile Lys Xaa Ile Glu Lys Glu Thr Leu His Gly Met Ser
  1               5                  10                  15

Phe Ile Pro Pro Pro Asn Lys Val Leu Lys Val Phe Ile Leu Pro Ser
             20                  25                  30

Ile Phe Leu Lys Leu Phe Tyr Lys Arg Asp Phe Val Glu Val Pro Arg
         35                  40                  45

Phe Cys Gln Thr Ser Ser Ser Leu Thr Arg Leu Arg Gly Pro Cys Gln
     50                  55                  60

Gln Ser Asn Leu Arg Asp
 65                  70
```

<210> 4425
<211> 262
<212> PRT
<213> Homo sapiens

<400> 4425

```
Asp Ser His Gln Ala Arg Ser Arg Arg Leu Glu Ala Leu Trp Ser Pro
  1               5                  10                  15
```

Ser Leu Gly Glu Val Ser Ser Ser Thr Met Lys Gly Ile Leu Val Ala
20 25 30

Gly Ile Thr Ala Val Leu Val Ala Ala Val Glu Ser Leu Ser Cys Val
35 40 45

Gln Cys Asn Ser Trp Glu Lys Ser Cys Val Asn Ser Ile Ala Ser Glu
50 55 60

Cys Pro Ser His Ala Asn Thr Ser Cys Ile Ser Ser Ser Ala Ser Ser
65 70 75 80

Ser Leu Glu Thr Pro Val Arg Leu Tyr Gln Asn Met Phe Cys Ser Ala
85 90 95

Glu Asn Cys Ser Glu Glu Thr His Ile Thr Ala Phe Thr Val His Val
100 105 110

Ser Ala Glu Glu His Phe His Phe Val Ser Gln Cys Cys Gln Gly Lys
115 120 125

Glu Cys Ser Asn Thr Ser Asp Ala Leu Asp Pro Pro Leu Lys Asn Val
130 135 140

Ser Ser Asn Ala Glu Cys Pro Ala Cys Tyr Glu Ser Asn Gly Thr Ser
145 150 155 160

Cys His Gly Lys Pro Trp Lys Cys Tyr Glu Glu Glu Gln Cys Val Phe
165 170 175

Leu Val Ala Glu Leu Lys Asn Asp Ile Glu Ser Lys Ser Leu Val Leu
180 185 190

Lys Gly Cys Ser Asn Val Ser Asn Ala Thr Cys Gln Phe Leu Ser Gly
195 200 205

Glu Asn Lys Thr Leu Gly Gly Val Ile Phe Arg Lys Phe Glu Cys Ala
210 215 220

Asn Val Asn Ser Leu Thr Pro Thr Ser Ala Pro Thr Thr Ser His Asn
225 230 235 240

Val Gly Ser Lys Ala Ser Leu Tyr Leu Leu Ala Leu Ala Ser Leu Leu
245 250 255

Leu Arg Gly Leu Leu Pro
260

BNSDOCID: <WO___0122920A2_I_>

<210> 4426
<211> 71
<212> PRT
<213> Homo sapiens

<400> 4426
Gln Leu Lys His Val Phe Ser Gln Glu Lys Met Thr Val Leu Met Met
1 5 10 15

Tyr Leu Met Asn Leu Asn Phe Lys Ser Gly Ala Ala Asn Trp Lys Glu
20 25 30

Asp Leu Trp Cys Phe Lys Leu Leu Trp Thr Leu Leu Arg Asn Leu Glu
35 40 45

Pro Met Glu Pro Leu Phe Ile Ala Met Gln Ile Thr Ile Leu Asn Glu
50 55 60

Cys Phe Leu Lys Ile Lys Tyr
65 70

<210> 4427
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4427
Ser Leu Lys Pro Ser Glu Lys Asn Ile Phe Thr Leu Phe Met Val Ala
1 5 10 15

Thr Ala Ala Ile Cys Ile Leu Leu Asn Xaa Val Glu Xaa Ile Tyr Leu
20 25 30

Xaa Ser Lys Arg Cys His Glu Cys Leu Ala Ala Arg Lys Ala Gln Ala

```
         35                  40                  45

Met Cys Thr Gly His His Pro His Gly Thr Thr Ser Ser Cys Lys Gln
     50                  55                  60

Asp Asp Leu Leu Ser Gly Asp Leu Ile Phe Leu Gly Ser Asp Ser His
 65                  70                  75                  80

Pro Pro Leu Leu Pro Asp Arg Pro Arg Asp His Val Lys Lys Thr Ile
                 85                  90                  95

Leu
```

<210> 4428
<211> 353
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4428

```
Val Cys Ala Val Leu His Leu Gly Leu Leu Leu Ala Ala Trp Pro His
  1               5                  10                  15

Xaa Ala Glu Pro Phe Pro Leu His Pro Leu Pro Ala Pro Gly Pro Ala
             20                  25                  30

Pro Gly Thr Pro Ser Asp Xaa His Pro Leu Gln Pro Trp Gly Ser Leu
         35                  40                  45
```

```
Arg Val Ala Ala Lys Ala Xaa Cys Leu Ser Ala Ser Ala Leu Ala Val
     50                  55                  60

Ile Ala His Val Leu Cys Cys Cys Ser Val Xaa Thr Met Ser Lys Ser
 65                  70                  75                  80

Leu Lys Lys Leu Val Glu Glu Ser Arg Glu Lys Asn Gln Pro Glu Val
                 85                  90                  95

Asp Met Ser Asp Arg Gly Ile Ser Asn Met Leu Asp Val Asn Gly Leu
            100                 105                 110

Phe Thr Leu Ser His Ile Thr Gln Leu Val Leu Ser His Asn Lys Leu
        115                 120                 125

Thr Met Val Pro Pro Asn Ile Ala Glu Leu Lys Asn Leu Glu Val Leu
    130                 135                 140

Asn Phe Phe Asn Asn Gln Ile Glu Glu Leu Pro Thr Gln Ile Ser Ser
145                 150                 155                 160

Leu Gln Lys Leu Lys His Leu Asn Leu Gly Met Asn Arg Leu Asn Thr
                165                 170                 175

Leu Pro Arg Gly Phe Gly Ser Leu Pro Ala Leu Glu Val Leu Asp Leu
            180                 185                 190

Thr Tyr Asn Asn Leu Ser Glu Asn Ser Leu Pro Gly Asn Phe Phe Tyr
        195                 200                 205

Leu Thr Thr Leu Arg Ala Leu Tyr Leu Ser Asp Asn Asp Phe Glu Ile
    210                 215                 220

Leu Pro Pro Asp Ile Gly Lys Leu Thr Lys Leu Gln Ile Leu Ser Leu
225                 230                 235                 240

Arg Asp Asn Asp Leu Ile Ser Leu Pro Lys Glu Ile Gly Glu Leu Thr
                245                 250                 255

Gln Leu Lys Glu Leu His Ile Gln Gly Asn Arg Leu Thr Val Leu Pro
            260                 265                 270

Pro Glu Leu Gly Asn Leu Asp Leu Thr Gly Gln Lys Gln Val Phe Lys
        275                 280                 285

Ala Glu Asn Asn Pro Trp Val Thr Pro Ile Ala Asp Gln Phe Gln Leu
    290                 295                 300

Gly Val Ser His Val Phe Glu Tyr Ile Arg Ser Glu Thr Tyr Lys Tyr
305                 310                 315                 320
```

```
Leu Tyr Gly Arg His Met Gln Ala Asn Pro Glu Pro Pro Lys Lys Asn
                325                 330                 335

Asn Asp Lys Ser Lys Lys Ile Ser Arg Lys Pro Leu Ala Ala Lys Asn
            340                 345                 350

Arg
```

<210> 4429
<211> 45
<212> PRT
<213> Homo sapiens

<400> 4429

```
Gly Thr Arg Gln Asn Gly Pro Ala Ser His Ser Arg Ala Leu Val Gly
  1               5                  10                  15

Ile Cys Thr Gly His Ser Asn Pro Gly Glu Asp Ala Arg Asp Gly Asp
             20                  25                  30

Ala Glu Glu Val Arg Glu Leu Gly Thr Val Glu Glu Asn
         35                  40                  45
```

<210> 4430
<211> 120
<212> PRT
<213> Homo sapiens

<400> 4430

```
Phe Leu His Leu Pro Ala Ile Phe Ser Gln Thr Phe Leu Arg Val Arg
  1               5                  10                  15

Ala Asn Arg Gln Thr Arg Leu Asn Ala Arg Ile Gly Lys Met Lys Arg
             20                  25                  30

Arg Lys Gln Asp Glu Gly Gln Arg Glu Gly Ser Cys Met Ala Glu Asp
         35                  40                  45

Asp Ala Val Asp Ile Glu His Glu Asn Asn Asn Arg Phe Glu Glu Tyr
     50                  55                  60

Glu Trp Cys Gly Gln Lys Arg Ile Arg Ala Thr Thr Leu Leu Glu Gly
 65                  70                  75                  80

Gly Phe Arg Gly Ser Gly Phe Ile Met Cys Ser Gly Lys Glu Asn Pro
                85                  90                  95
```

BNSDOCID: <WO___0122920A2_I_>

Asp Ser Asp Ala Asp Leu Asp Val Asp Gly Asp Asp Thr Leu Glu Tyr
100 105 110

Gly Glu Ala Thr Ile His Arg Gly
115 120

<210> 4431
<211> 244
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (173)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (212)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (221)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (232)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4431
Leu Leu Asp Arg Tyr Arg Glu Leu Gln Leu Ser Thr Glu Ser Lys Val
1 5 10 15

Thr Glu Phe Leu His Gln Ser Lys Leu Lys Ser Phe Glu Ser Glu Arg
20 25 30

Val Gln Leu Leu Gln Glu Glu Thr Ala Arg Asn Leu Thr Gln Cys Gln
35 40 45

Leu Glu Cys Glu Lys Tyr Gln Lys Lys Leu Glu Val Leu Thr Lys Glu
50 55 60

```
Phe Tyr Xaa Leu Gln Ala Ser Ser Glu Lys Arg Ile Thr Glu Leu Gln
 65                  70                  75                  80

Ala Gln Asn Ser Glu His Gln Ala Arg Leu Asp Ile Tyr Glu Lys Leu
                 85                  90                  95

Glu Lys Glu Leu Asp Glu Ile Ile Met Gln Thr Ala Glu Ile Glu Asn
            100                 105                 110

Glu Asp Glu Ala Glu Arg Val Leu Phe Ser Tyr Gly Tyr Gly Ala Asn
        115                 120                 125

Val Pro Thr Thr Ala Lys Arg Arg Leu Lys Gln Ser Val His Leu Ala
    130                 135                 140

Arg Arg Val Leu Gln Leu Glu Lys Gln Asn Ser Leu Ile Leu Lys Asp
145                 150                 155                 160

Leu Glu His Arg Lys Asp Gln Val Thr Gln Leu Ser Xaa Glu Leu Asp
                165                 170                 175

Arg Ala Asn Ser Leu Leu Asn Gln Thr Gln Gln Pro Tyr Arg Tyr Leu
            180                 185                 190

Ile Glu Ser Val Arg Gln Arg Asp Ser Lys Ile Asp Ser Leu Thr Glu
        195                 200                 205

Ser Ile Ala Xaa Leu Gly Glu Arg Met Ser Ala Thr Xaa Asn Lys Glu
    210                 215                 220

Lys Ser Ala Leu Leu Gln Thr Xaa Gly Ile Lys Met Ala Leu Gly Phe
225                 230                 235                 240

Arg Thr Asn Phe
```

<210> 4432
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO___0122920A2_I_>

<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4432
Ser Ser Cys Cys Ala Ser Leu Pro Pro Thr Arg Gly Glu Val Ser Ala
1 5 10 15

Xaa Ser Leu Leu Pro Pro Leu Pro Pro Leu Pro Pro Trp Thr Ile Ser
20 25 30

Leu Phe Pro Leu Cys Ser Trp Xaa Ala Gln Leu Cys Met Cys Val Trp
35 40 45

Gly Val Gly Val Gly Ser Gly Leu Ser Gly Phe Gly Arg Gly Leu Gly
50 55 60

Arg Val Arg Gly Gly Trp Arg Met Lys Ser Pro Thr Pro Phe Ser Ser
65 70 75 80

Ser Arg Pro Gln Lys Pro Gly Lys Gly Arg Val Pro Thr Leu Gly Xaa
85 90 95

<210> 4433
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4433
Asn Arg Ser Phe Phe Val Ser Pro Phe Lys Ser Thr Gly Phe Lys Arg
1 5 10 15

Gly Lys Cys Ile His Arg Pro Gln Cys Leu Ala Phe Ser Ser Ala Ser
20 25 30

Thr Trp Ser Thr Gly Leu Asp Ala Gln Thr Tyr Leu Gly Asn Tyr Phe
35 40 45

BNSDOCID: <WO___0122920A2 I_>

```
Gly Arg Cys Leu Ser Leu Tyr Arg Asn Cys Ser Trp Tyr Phe Ile Leu
     50                  55                  60

Leu Tyr Ile Tyr Ser Thr Cys Pro Leu Val Phe Asn Tyr Xaa Gln Ser
 65                  70                  75                  80

Leu Phe Arg Ser Lys Asn
                 85
```

<210> 4434
<211> 254
<212> PRT
<213> Homo sapiens

<400> 4434

```
Lys Ala Leu Asn Val Val Gln Ser Val Leu Gln Ile Asn Leu Ser Asn
  1               5                  10                  15

Ser Thr Asn Arg Gly Ser Val Ala Ala Lys Lys Phe Lys Asp Ile Ile
             20                  25                  30

His Tyr Asp Pro Thr Lys Gln Asp His Ala Thr Tyr Glu Arg Lys Arg
         35                  40                  45

Asp Asp Lys Pro Lys Glu Ser Lys Ala Lys Arg Lys Lys Lys Arg Glu
     50                  55                  60

Glu Ala Glu Lys Leu Pro Glu Val Ser Lys Glu Met Tyr Tyr Asn Ile
 65                  70                  75                  80

Ala Met Asp Leu Lys Glu Ile Phe Gln Thr Thr Lys Tyr Thr Ser Glu
                 85                  90                  95

Lys Glu Glu Gly Thr Pro Trp Asn Glu Asp Cys Gly Lys Glu Lys Pro
            100                 105                 110

Glu Glu Ile Gln Asp Pro Ala Ala Leu Thr Ser Asp Ala Glu Gln Pro
        115                 120                 125

Ser Gly Phe Thr Phe Ser Phe Phe Asp Ser Asp Thr Lys Asp Ile Lys
    130                 135                 140

Glu Glu Thr Tyr Arg Val Glu Thr Val Lys Pro Gly Lys Ile Val Trp
145                 150                 155                 160

Gln Glu Asp Pro Arg Leu Gln Asp Ser Ser Ser Glu Glu Glu Asp Val
                165                 170                 175
```

```
Thr Glu Glu Thr Asp His Arg Asn Ser Ser Pro Gly Glu Ala Ser Leu
            180                 185                 190

Leu Glu Lys Glu Thr Thr Arg Phe Phe Phe Phe Ser Lys Asn Asp Glu
        195                 200                 205

Arg Leu Gln Gly Ser Asp Leu Phe Trp Arg Gly Val Gly Ser Asn Met
    210                 215                 220

Ser Arg Asn Ser Trp Glu Ala Arg Thr Thr Asn Leu Arg Met Asp Cys
225                 230                 235                 240

Arg Lys Lys His Lys Asp Ala Lys Arg Lys Met Lys Pro Lys
                245                 250
```

<210> 4435
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4435

```
Leu Leu Asn Leu Val Lys Ala Val Phe Gly Gln Ala Cys Ala Arg Gly
  1               5                  10                  15

His Leu Glu Cys Ser Thr His Trp Gln Ala Ser Pro Ile Pro Ile His
            20                  25                  30

Pro Gly Ser Pro Arg Leu Gly Trp Asp Ile Asn Val Gly Ile Gly Lys
        35                  40                  45

Lys Tyr Phe Leu Phe Arg Gly Lys Gln Glu Glu Thr Leu Pro Glu Ser
    50                  55                  60

Asp Phe Leu Val Ile Ser Ile Ser Thr Glu Xaa
65                  70                  75
```

<210> 4436
<211> 47
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO__0122920A2_I_>

<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4436
Lys Leu Ile Arg Asp Xaa Ala Thr Asp Ser Leu Arg Ser Pro Ala Leu
1 5 10 15

Pro Leu Asn Lys Cys Trp Cys Ile Gln Met Val Lys Tyr Ser Ala Ala
20 25 30

Ile Lys Gly Val Lys Thr Ala Ser Thr Tyr Leu Glu Ala His Leu
35 40 45

<210> 4437
<211> 220
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4437
Gly Xaa Asp Thr Leu Glu Ile Gln Gln Gln Ala Leu Leu Arg Glu Gln
1 5 10 15

Gln Lys Arg Leu Asn Arg Ile Lys Met Gln Glu Gly Ala Lys Val Asp
20 25 30

Leu Asp Ala Ile Pro Ser Ala Lys Val Arg Glu Gln Arg Met Pro Arg
35 40 45

Asp Asp Thr Ser Asp Phe Leu Lys Asn Ser Leu Leu Glu Ser Asp Ser
50 55 60

Ala Phe Ile Gly Ala Tyr Gly Glu Thr Tyr Pro Ala Ile Glu Asp Asp
65 70 75 80

Val Leu Pro Pro Pro Ser Gln Leu Pro Ser Ala Arg Glu Arg Arg Arg
85 90 95

Asn Lys Trp Lys Gly Leu Asp Ile Asp Ser Ser Arg Pro Asn Val Ala
100 105 110

Pro Asp Gly Leu Ser Leu Lys Ser Ile Ser Ser Val Asn Val Asp Glu
115 120 125

Leu Arg Val Arg Asn Glu Glu Arg Met Arg Arg Leu Asn Glu Phe His
130 135 140

Asn Lys Pro Ile Asn Thr Asp Asp Glu Ser Ser Leu Val Asp Pro Asp
145 150 155 160

Asp Ile Met Lys His Ile Gly Asp Asp Gly Ser Asn Ser Val Ala Thr
165 170 175

Glu Pro Trp Leu Arg Pro Gly Thr Ser Glu Thr Leu Lys Arg Phe Met
180 185 190

Ala Glu Gln Leu Asn Gln Glu Gln Gln Gln Ile Pro Gly Lys Pro Gly
195 200 205

Thr Phe Thr Trp Gln Gly Leu Ser Thr Ala His Gly
210 215 220

<210> 4438
<211> 44
<212> PRT
<213> Homo sapiens

<400> 4438
Asn Gly Gly Asn Gly Asn Thr Tyr Leu Lys Leu Leu Arg Glu Leu Asn
1 5 10 15

Glu Ile Ile Leu Gln Asp Ser Tyr His Ser Lys Ala Val Asn Ala Pro
20 25 30

Phe Arg Val Pro Leu Leu Leu Thr Ala Leu Lys Ile
35 40

<210> 4439
<211> 47
<212> PRT
<213> Homo sapiens

<400> 4439
Tyr Ser Thr Leu Leu Glu Lys Pro Pro Pro Ser Pro Asp Arg Cys Glu
1 5 10 15

Arg Met Lys Val Thr Met Phe Cys Leu Arg Phe Ser Arg Phe Lys Leu
20 25 30

Leu Leu Ser Ser Val Ser Arg Asp Phe His Cys Trp Ala Cys Leu
35 40 45

<210> 4440
<211> 57
<212> PRT
<213> Homo sapiens

<400> 4440
Leu Leu Glu Val Pro Glu Met Gly Leu Thr Phe Ile Lys Gln Ile Ala
1 5 10 15

Tyr Tyr Asp Leu Ala Ala Ala Thr Val Gln Leu His Ile Asn Ser Thr
20 25 30

Asp Gln Thr Ile Cys Ile Trp His His Leu Leu Thr His Asp Met Arg
35 40 45

Leu Phe Cys Ile Asn Cys Tyr Asp Gly
50 55

<210> 4441
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4441
Val Val Glu Tyr Arg Ala Val Asn Phe His Ala Phe Phe Pro Asp Ile
1 5 10 15

Lys Phe Tyr Ser Lys Lys Ala Thr Ser Asp Cys Thr Lys Asn Ile Lys
20 25 30

Ile His Ser Phe Tyr Lys Gly Val Asn Leu Asn Asn Val Ile Asp Trp
35 40 45

Asn Met Lys Ile Asn Gln Ser Phe Lys Ser Phe Leu Ala Asn Asp Pro
50 55 60

```
Ile Leu Thr Pro Phe Leu Pro Arg Leu Glu Lys His Asn Val Phe Pro
 65                  70                  75                  80

Pro Lys Val Xaa Asn Pro Arg Lys Ala Pro Val Ser Xaa Thr Asn Val
                85                  90                  95
```

<210> 4442
<211> 155
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4442

```
Asn Ser Ala Ser Gln Arg Ser Ser Ser Leu Pro Pro Ser Asn Arg Lys
  1               5                  10                  15

Ser Ser Thr Pro Lys Lys Thr Tyr Ser Glu Lys Ala Thr Asp Asn His
            20                  25                  30

Val Asn His Ser Ser Cys Pro Glu Pro Val Pro Asn Gly Val Lys Lys
        35                  40                  45

Val Ser Val Arg Thr Ala Trp Glu Lys Asn Lys Ser Val Ser Tyr Glu
    50                  55                  60

Gln Cys Lys Pro Val Ser Val Thr Pro Gln Gly Asn Asp Phe Glu Tyr
65                  70                  75                  80

Thr Ala Lys Ile Arg Thr Leu Ala Glu Thr Glu Arg Phe Phe Asp Glu
                85                  90                  95

Leu Thr Lys Glu Lys Asp Gln Ile Glu Ala Ala Leu Ser Arg Met Pro
            100                 105                 110

Ser Pro Gly Gly Arg Ile Thr Leu Gln Xaa Arg Leu Asn Gln Glu Ala
        115                 120                 125
```

```
Leu Glu Asp Arg Leu Glu Gly Leu Ile Glu Asn Trp Gly Ser Xaa Arg
    130                 135                 140

Met Thr Leu Lys Asn Ser Met Phe Cys Ala Pro
145                 150                 155



<210> 4443
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4443
Ile Arg Glu Thr Phe Ser Ile Tyr Leu Phe Val Leu Pro Ala Trp Glu
  1               5                  10                  15

Ser Asp Ser Thr Lys Tyr Phe Pro Ala Gly Trp Gly Ser Val Ser Gln
             20                  25                  30

Arg Asn His Pro Phe Pro Thr Phe Arg Leu Ile Leu Tyr Pro Ser Ile
         35                  40                  45

Xaa Pro Val Leu Met Glu Ala Lys Asp Asn Pro Arg Val Phe Ile Gly
     50                  55                  60

Asn Ser Leu Glu Leu Cys Ala Ile Val Phe Val Val Leu Leu Pro Phe
 65                  70                  75                  80

Phe Phe Leu Asn Ile Tyr Val Gly Asn Ser Ile Cys Xaa Gly Ile Leu
                 85                  90                  95

Xaa
```

BNSDOCID: <WO___0122920A2_I_>

<210> 4444
<211> 161
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4444
Thr Glu Thr Cys Phe Ala Trp Trp Met Ser Ala Ser Ser Pro Arg Arg
1 5 10 15

Pro Ser Ser Glu Thr Pro Ala Ala Pro Thr Cys Phe Leu Arg Ser Ser
20 25 30

Ala Ala Ala Val Thr Ser Ala Ala Thr Trp Xaa Leu Cys Lys Asp Ser
35 40 45

Ser Phe Ser Glu Asp Gly Ala Val Leu Pro Gln Trp Leu Cys Ser Asn
50 55 60

Cys Gln Ala Pro Tyr Asp Ser Ser Ala Ile Glu Met Thr Leu Val Glu
65 70 75 80

Val Leu Gln Lys Lys Leu Met Ala Phe Thr Leu Gln Asp Leu Val Cys
85 90 95

Leu Lys Cys Arg Gly Val Lys Glu Thr Ser Met Pro Val Tyr Cys Ser
100 105 110

Cys Ala Gly Asp Phe Ala Leu Thr Ile His Thr Gln Val Phe Met Glu
115 120 125

Gln Ile Gly Ile Phe Arg Asn Ile Ala Gln His Tyr Gly Met Ser Tyr
130 135 140

Leu Leu Glu Thr Leu Glu Trp Leu Leu Gln Lys Asn Pro Gln Leu Gly
145 150 155 160

His

<210> 4445
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4445
Asn Val Phe Val Val Thr Asp Phe Gln Asp Ser Val Phe Asn Asp Leu
1 5 10 15

Tyr Lys Ala Asp Cys Arg Val Ile Gly Pro Pro Val Val Leu Asn Cys
20 25 30

Ser Gln Lys Gly Glu Pro Leu Pro Phe Ser Cys Arg Pro Leu Tyr Cys
35 40 45

Thr Ser Met Met Asn Leu Val Leu Cys Phe Thr Gly Phe Arg Lys Lys
50 55 60

Glu Glu Leu Val Arg Leu Val Thr Leu Val His His Xaa Gly Gly Val
65 70 75 80

Ile Arg Lys Asp Phe Asn Ser Lys Xaa Thr His Leu Val Ala Ile Val
85 90 95

His Lys Glu Lys Ile Gln Gly Cys Cys Glu Ser Arg Tyr Ser Ile Met
100 105 110

<210> 4446
<211> 254
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4446
Ala Glu Asp Pro Ala Gly Gly Leu Ala Gly Gln Asp Thr Met Phe Ala
1 5 10 15

```
Arg Gly Leu Lys Arg Lys Cys Val Gly His Glu Glu Asp Val Glu Gly
            20                  25                  30

Ala Leu Ala Gly Leu Lys Thr Val Ser Ser Tyr Ser Leu Gln Arg Gln
        35                  40                  45

Ser Leu Leu Asp Met Ser Leu Val Lys Leu Gln Leu Cys His Met Leu
    50                  55                  60

Val Glu Pro Asn Leu Cys Arg Ser Val Leu Ile Ala Asn Thr Val Arg
65                  70                  75                  80

Gln Ile Gln Glu Glu Met Thr Gln Asp Gly Thr Trp Arg Thr Val Ala
                85                  90                  95

Pro Gln Ala Ala Glu Arg Ala Pro Xaa Asp Arg Leu Val Ser Thr Glu
            100                 105                 110

Ile Leu Cys Arg Ala Ala Trp Gly Gln Glu Gly Ala His Pro Ala Pro
        115                 120                 125

Gly Leu Gly Asp Gly His Thr Gln Gly Pro Val Ser Asp Leu Cys Pro
    130                 135                 140

Val Thr Ser Ala Gln Ala Pro Arg His Leu Gln Ser Ser Ala Trp Glu
145                 150                 155                 160

Met Asp Gly Pro Arg Glu Asn Arg Gly Ser Phe His Lys Ser Leu Asp
                165                 170                 175

Gln Ile Phe Glu Thr Leu Glu Thr Lys Asn Pro Ser Cys Met Glu Glu
            180                 185                 190

Leu Phe Ser Asp Val Asp Ser Pro Tyr Tyr Asp Leu Asp Thr Val Leu
        195                 200                 205

Thr Gly Met Met Gly Gly Ala Arg Pro Gly Pro Cys Glu Gly Leu Glu
    210                 215                 220

Gly Leu Ala Pro Ala Thr Pro Gly Pro Ser Ser Ser Cys Lys Ser Asp
225                 230                 235                 240

Leu Gly Glu Leu Asp His Val Val Glu Ile Leu Val Glu Thr
                245                 250
```

<210> 4447
<211> 169
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (159)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4447

```
Ser Lys Val Lys Gln Thr Glu Asn Cys Gly Gly Phe Val Gly Val Gln
  1               5                  10                  15

Leu Arg Asn Met Ala Gln Glu Thr Asn His Ser Gln Val Pro Met Leu
             20                  25                  30

Cys Ser Thr Gly Cys Gly Phe Tyr Gly Asn Pro Arg Thr Asn Gly Met
         35                  40                  45

Cys Ser Val Cys Tyr Lys Glu His Leu Gln Arg Gln Asn Ser Ser Asn
     50                  55                  60

Gly Arg Ile Ser Pro Pro Ala Thr Ser Val Ser Ser Leu Ser Glu Ser
 65                  70                  75                  80

Leu Pro Val Gln Cys Thr Asp Gly Ser Val Pro Glu Ala Gln Ser Ala
                 85                  90                  95

Leu Xaa Ser Thr Ser Ser Ser Met Gln Pro Ser Pro Val Ser Asn Gln
            100                 105                 110

Ser Leu Leu Ser Glu Ser Val Ala Ser Ser Gln Leu Asp Ser Thr Ser
        115                 120                 125

Val Asp Lys Ala Val Pro Glu Thr Glu Asp Val Gln Ala Ser Val Ser
    130                 135                 140

Asp Thr Ala Gln Gln Pro Ser Glu Xaa Gln Ser Lys Ser Leu Xaa Lys
145                 150                 155                 160

Pro Lys Gln Lys Lys Glu Ser Leu Val
                165
```

BNSDOCID: <WO___0122920A2_I_>

<210> 4448
<211> 374
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4448

```
Ser Pro Ser Ser Thr Ala Ala Thr Ser Ala Phe Arg Ile Ala Ser Ala
  1               5                  10                  15

Cys Leu Asp Glu Leu Ser Cys Glu Xaa Leu Leu Ala Gly Ala Gly Gly
             20                  25                  30

Ala Gly Ala Gly Ala Xaa Pro Gly Thr Ala Ser Pro Pro Thr Gly Ser
         35                  40                  45

Val Pro Gly Asp Pro Val Arg Ile His Cys Asn Ile Thr Glu Ser Tyr
     50                  55                  60

Pro Ala Val Pro Pro Ile Trp Ser Val Glu Ser Asp Asp Pro Asn Leu
 65                  70                  75                  80

Ala Ala Val Leu Glu Arg Leu Val Asp Ile Lys Lys Gly Asn Thr Leu
                 85                  90                  95

Leu Leu Gln His Leu Lys Arg Ile Ile Ser Asp Leu Cys Lys Leu Tyr
            100                 105                 110

Asn Leu Pro Gln His Pro Asp Val Glu Met Leu Asp Gln Pro Leu Pro
        115                 120                 125

Ala Glu Gln Cys Thr Gln Glu Asp Val Ser Ser Glu Asp Glu Asp Glu
    130                 135                 140

Glu Met Pro Glu Asp Thr Glu Asp Leu Asp His Tyr Glu Met Lys Glu
145                 150                 155                 160

Glu Glu Pro Ala Glu Gly Lys Lys Ser Glu Asp Asp Gly Ile Gly Lys
                165                 170                 175
```

```
Glu Asn Leu Ala Ile Leu Glu Lys Ile Lys Lys Asn Gln Arg Gln Asp
            180                 185                 190

Tyr Leu Asn Gly Ala Val Ser Gly Ser Val Gln Ala Thr Asp Arg Leu
        195                 200                 205

Met Lys Glu Leu Arg Asp Ile Tyr Arg Ser Gln Ser Phe Lys Gly Gly
    210                 215                 220

Asn Tyr Ala Val Glu Leu Val Asn Asp Ser Leu Tyr Asp Trp Asn Val
225                 230                 235                 240

Lys Leu Leu Lys Val Asp Gln Asp Ser Ala Leu His Asn Asp Leu Gln
                245                 250                 255

Ile Leu Lys Glu Lys Glu Gly Ala Asp Phe Ile Leu Leu Asn Phe Ser
            260                 265                 270

Phe Lys Asp Asn Phe Pro Phe Asp Pro Pro Phe Val Arg Val Val Ser
        275                 280                 285

Pro Val Leu Ser Gly Gly Tyr Val Leu Gly Gly Gly Ala Ile Cys Met
    290                 295                 300

Glu Leu Leu Thr Lys Gln Gly Trp Ser Ser Ala Tyr Ser Ile Glu Ser
305                 310                 315                 320

Val Ile Met Gln Ile Ser Ala Thr Leu Val Lys Gly Lys Ala Arg Val
                325                 330                 335

Gln Phe Gly Ala Asn Lys Ser Gln Tyr Ser Leu Thr Arg Ala Gln Gln
            340                 345                 350

Ser Tyr Lys Ser Leu Val Gln Ile His Glu Lys Asn Gly Trp Tyr Thr
        355                 360                 365

Pro Pro Lys Glu Asp Gly
    370
```

<210> 4449
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4449
Ala Glu Glu Val Tyr Ala Gln Leu Gln Lys Met Leu Leu Glu Gln Gln
1 5 10 15

Glu Lys Cys Leu Leu Phe Ser Lys Gln Phe Met His Gln Gly Asn Val
20 25 30

Ala Glu Thr Thr Arg Phe Glu Lys Leu Ala Gln Asp Arg Lys Lys Gln
35 40 45

Leu Glu Ile Leu Gln Leu Ala Gln Ala Gln Gly Leu Xaa Pro Pro Thr
50 55 60

His His Phe Glu Leu Lys Thr Phe Xaa Thr Val Arg Ile Phe Ser Gln
65 70 75 80

Leu Asn Ser Thr Glu Met His Leu Ile Ile Val Arg Gly Met Asn Leu
85 90 95

Pro Ala Pro Pro Gly Val Thr Pro Asp Asp Leu Asp Ala Phe Val Arg
100 105 110

Phe Glu Phe His Tyr Pro Asp Ser Asp Gln Ala Gln Lys Ser Lys Thr
115 120 125

Ala Val Val Asn Asn Thr Asn Ser Pro Xaa Leu Ile Thr Leu Gln Leu
130 135 140

Asn Ser
145

<210> 4450
<211> 61
<212> PRT
<213> Homo sapiens

<400> 4450
Ile Met Lys Glu Ser Ser Ser Val Leu Ala Lys Cys Ser Ser Ile Ala
1 5 10 15

```
Gly Tyr Ile Gln Trp Ser Ser Ile Asn Ser Tyr Leu Ser Gly Leu Asn
            20                  25                  30

Gln Asn Cys Val Ser Leu Asn Ser Tyr His Thr Glu Gly Ala Ser Gln
        35                  40                  45

Ile Thr Ile Phe Leu Ser Ala Val Phe Leu Gln Lys Ser
    50                  55                  60
```

<210> 4451
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4451

```
Lys Thr Met Met Met Thr Phe Lys Lys Lys Lys Lys Lys Lys Lys Lys
 1               5                  10                  15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa
            20                  25
```

<210> 4452
<211> 108
<212> PRT
<213> Homo sapiens

<400> 4452

```
Asp His Leu Asp Leu Thr Lys Gly Thr Ile Lys Trp Cys Gln Val Leu
 1               5                  10                  15

Gly Ser Arg Arg Val Tyr Lys Lys Lys Met Asn Lys Asp Phe Thr Tyr
            20                  25                  30

Trp Gly Ser Gly Ile Thr Gly Cys Leu Asp Cys Pro Ala Thr Gln Leu
        35                  40                  45

Pro Pro Ile Lys Ser Phe Ile Thr Leu Gln Glu Gly Pro Asp Ala Ser
    50                  55                  60

Ile Ile Ser Thr Pro Cys Phe Ser Val Ile Ser Phe Glu Val Ala Lys
65                  70                  75                  80
```

BNSDOCID: <WO___0122920A2_I_>

Asn Gly Ser Gln Lys Lys Met Leu Arg Leu Phe Ser Ser Ile Tyr Ser
85 90 95

Cys Tyr Phe Ala Glu Asp Arg Val Asn Phe Phe Ser
100 105

<210> 4453
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4453
Ile Ser Gly Lys Trp Leu Thr Glu Arg Thr Ile Arg Cys Val Tyr Ile
1 5 10 15

Thr Ser Tyr Ser Leu Phe Leu Thr Ala Leu Met Leu Trp His Cys Tyr
20 25 30

Xaa His Ile Tyr Val Phe Leu Ile Tyr Ser Ser Asp Ser Phe Asn Phe
35 40 45

Leu Ser Ser Leu Ser Ile Arg Cys Ala His Leu Leu Cys Gln Val Glu
50 55 60

Val
65

<210> 4454
<211> 293
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (242)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (243)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4454
Val Pro Gly Pro Ala Ala Arg Gly Leu Gly Arg Leu Arg Arg Gly Val
1 5 10 15

Xaa Val Arg Gly Arg Arg Thr Xaa Ala Lys Val Ala Ile Lys Xaa Leu
20 25 30

Tyr Arg Pro Phe Gln Ser Glu Leu Phe Ala Lys Arg Ala Tyr Arg Glu
35 40 45

Leu Arg Leu Leu Lys His Met Arg His Glu Asn Val Ile Gly Leu Leu
50 55 60

Asp Val Phe Thr Pro Asp Glu Thr Leu Asp Asp Phe Thr Asp Phe Tyr
65 70 75 80

Leu Val Met Pro Phe Met Gly Thr Asp Leu Gly Lys Leu Met Lys His
85 90 95

Xaa Lys Leu Gly Glu Asp Arg Ile Gln Phe Leu Val Tyr Gln Met Xaa
100 105 110

Lys Gly Leu Arg Tyr Ile His Ala Ala Gly Ile Ile His Arg Asp Leu
115 120 125

BNSDOCID: <WO___0122920A2_I_>

Lys Pro Gly Asn Leu Ala Val Asn Glu Asp Cys Glu Leu Lys Ile Leu
130 135 140

Asp Phe Gly Leu Ala Arg Gln Ala Asp Ser Glu Met Thr Gly Tyr Val
145 150 155 160

Val Thr Arg Trp Tyr Arg Ala Pro Glu Val Ile Leu Asn Trp Met Arg
165 170 175

Tyr Thr Gln Thr Val Asp Ile Trp Ser Val Gly Cys Ile Met Ala Glu
180 185 190

Met Ile Thr Gly Lys Thr Leu Phe Lys Gly Ser Asp His Leu Asp Gln
195 200 205

Leu Lys Glu Ile Met Lys Val Thr Gly Thr Pro Pro Ala Glu Phe Val
210 215 220

Gln Arg Leu Gln Ser Asp Glu Ala Lys Asn Tyr Met Lys Gly Leu Pro
225 230 235 240

Glu Xaa Xaa Glu Glu Gly Phe Cys Leu Tyr Pro Asp Gln Cys Lys Pro
245 250 255

Ser Gly Cys Glu Pro Pro Gly Glu Asp Ala Gly Ala Gly Arg Gly Ala
260 265 270

Ala Gly Asp Gly Arg Arg Gly Ala Gly Pro Ser Leu Leu Arg Val Pro
275 280 285

Ala Arg His Gly Arg
290

<210> 4455
<211> 82
<212> PRT
<213> Homo sapiens

<400> 4455
Thr Arg Gly Leu His Leu Thr Leu Ser Thr Tyr Gln Arg Asn Thr Trp
1 5 10 15

Gly Asp Phe Leu Glu Ala Ile Leu Pro Leu Ala Val Gln Ala Ala Met
20 25 30

Glu Glu Asn Val Glu Phe Arg Arg Gly Leu Pro Arg Asp Phe Met Asp
35 40 45

Tyr Met Gly Ala Gln His Ser Asp Ser Lys Asp Pro Gly Lys Asn Arg

```
     50                  55                  60

Phe His Gly Glu Gly Ala Gly Leu Gly Cys Pro Pro Gly Thr Leu Cys
 65                  70                  75                  80

Ser Cys
```

<210> 4456
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4456

```
Xaa Xaa Phe Leu Ser Arg Leu Pro Phe Met Trp Val Lys Asp Lys Val
  1               5                  10                  15

Glu Asn Thr Leu Leu Tyr Leu Val Ser Arg Val Asn Leu Met Ser Ser
             20                  25                  30

Ser Leu Cys Phe Glu Ile Phe Trp Asn Val Ile Xaa Asn Tyr Xaa Arg
         35                  40                  45

Trp Ser Met Tyr Val Leu Gly Leu Val Leu Met Phe Asn Met His Tyr
     50                  55                  60

Leu Ile Gln Ser Ser Gln Gln Ser
 65                  70
```

BNSDOCID: <WO___0122920A2_I_>

<210> 4457
<211> 38
<212> PRT
<213> Homo sapiens

<400> 4457
Asp His Val Leu Cys Arg Asp Met Asp Glu Ala Gly Thr Ile Ile Leu
1 5 10 15

Ser Lys Leu Thr Glu Glu Gln Glu Thr Lys His His Met Phe Ser Leu
20 25 30

Val Ser Gly Thr Glu Gln
35

<210> 4458
<211> 114
<212> PRT
<213> Homo sapiens

<400> 4458
Pro Arg Phe Cys Gly Ala Leu Arg His Ser Leu Asn Ala Thr Leu Thr
1 5 10 15

Pro Arg Leu Glu Asn Pro Val Leu Met Trp Trp Ala Gly Pro Leu Leu
20 25 30

Met Glu Asp Gly Gly Asp Gly Val Val Leu Lys Gly Ser Val Val Leu
35 40 45

Glu Val Tyr Thr Pro Leu Arg Thr Ala Cys Gln Glu Pro Gln Ser Ser
50 55 60

Phe Thr Ser Ala Lys Ala Glu Arg Glu Arg Thr Trp Glu Ala Phe Cys
65 70 75 80

Ser Leu Ser Tyr Pro Ser Ile Asn Ser Ile Ile Val Asp Ala Lys Gly
85 90 95

Asp Gly Asp Val Pro Ser Thr Val Val Ala Val Thr Thr Leu Thr Ser
100 105 110

Leu Ser

<210> 4459
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4459
Asn Gln Asn Tyr Xaa Trp Glu Lys Asn Lys Phe Ile Tyr Glu Asn Val
1 5 10 15

Lys Ile Ile Leu Lys Val Leu Phe Ser Asn Lys Met Glu Lys Leu Val
20 25 30

Lys Xaa Xaa Lys Lys Lys Lys Lys Lys Arg Xaa Pro Leu Xaa Gly
35 40 45

<210> 4460
<211> 115
<212> PRT
<213> Homo sapiens

<400> 4460
Ser Ala Leu Phe Ser Leu Ala Glu Asp Lys Gly Ile His Ala Ala Pro
1 5 10 15

```
Arg Phe Leu Val Ala Arg Leu Arg Thr Lys Gln Leu Arg Ser Ser His
             20                  25                  30

Ser Asp Pro Asn Val Leu Thr Val Leu Phe Leu Ile Thr Val Thr Leu
         35                  40                  45

Lys Val Gln Ala Lys Cys Cys Gln Thr Pro Trp Leu Lys Gln Trp Arg
     50                  55                  60

Val Met Gly Lys Ala Val Glu Gly Pro Gln Pro Thr His Trp Leu Lys
 65                  70                  75                  80

Leu Pro Pro Thr Ala Thr Met Asn Pro Thr Ala Val Tyr Ala Pro Ile
                 85                  90                  95

Phe Leu Phe Leu Tyr Leu His Pro His Asp Ser Gln Cys Trp Ile Phe
            100                 105                 110

Leu His Glu
        115
```

<210> 4461
<211> 106
<212> PRT
<213> Homo sapiens

<400> 4461

```
Gln Ser Met Val Val Ser His Tyr Ala Arg Pro Asp Leu Pro Leu Leu
  1               5                  10                  15

Met Val Ile Ser Cys Glu Ser Phe Phe Leu Pro Leu His Ser Phe Tyr
             20                  25                  30

Ser Val Tyr Ser Pro Met Pro His Pro Lys Ser Cys Thr Val Asn Trp
         35                  40                  45

Pro Val Lys Gly Thr Pro Thr Phe Lys Gln Gly Arg Gln Asp Thr Thr
     50                  55                  60

Gly Arg Arg Leu Ile Ala Gln Thr Leu Asp Cys Ser Gly Trp Asp Gln
 65                  70                  75                  80

Ile Leu Ala Pro Leu Leu Ala Ser Cys Val Ala Leu Gly Lys Leu Leu
                 85                  90                  95

Asn Leu Ser Gly Pro Gln Phe Leu Pro Leu
            100                 105
```

BNSDOCID: <WO__0122920A2_I_>

<210> 4462
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4462
Phe Tyr Tyr Phe Ser Leu Phe Lys Xaa Glu Xaa Gln Ile Glu Ser Xaa
1 5 10 15

Gln Ile Leu Gln Met Thr Gly Ile Phe Val Ser Xaa Leu Ser Phe Cys
20 25 30

Val Phe Phe Leu Asn Lys Ile Phe Arg Gly Asn Ala Phe Thr Glu Lys
35 40 45

Lys

<210> 4463
<211> 157
<212> PRT
<213> Homo sapiens

<400> 4463
Ile Arg His Glu Ser Lys Arg Asn Gln Val Ser Tyr Val Arg Pro Ala
1 5 10 15

Glu Pro Ala Phe Leu Ala Arg Phe Lys Glu Arg Val Gly Tyr Arg Glu

BNSDOCID: <WO__0122920A2_1 >

```
            20                  25                  30

Gly Pro Thr Val Glu Thr Lys Arg Ile Gln Pro Gln Pro Pro Asp Glu
        35                  40                  45

Asp Gly Asp His Ser Asp Lys Glu Asp Glu Gln Pro Gln Val Val Val
    50                  55                  60

Leu Lys Lys Gly Asp Leu Ser Val Glu Glu Val Met Lys Ile Lys Ala
65                  70                  75                  80

Glu Ile Lys Ala Ala Lys Ala Asp Glu Glu Pro Thr Pro Ala Asp Gly
                85                  90                  95

Arg Ile Ile Tyr Arg Lys Pro Val Lys His Pro Ser Asp Glu Lys Tyr
            100                 105                 110

Ser Gly Leu Thr Ala Ser Ser Lys Lys Lys Lys Pro Asn Glu Asp Glu
        115                 120                 125

Val Asn Gln Asp Ser Val Lys Lys Asn Ser Gln Lys Gln Ile Lys Asn
    130                 135                 140

Ser Ser Leu Leu Ser Phe Asp Asn Glu Asp Glu Asn Glu
145                 150                 155
```

<210> 4464
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4464

```
Asn Tyr Asp Cys Phe Xaa Xaa Ser Pro Phe Gly Thr Arg Ser Phe Gln
  1               5                  10                  15

Leu Lys Gly Arg Gly Asn Ile Tyr Leu Lys Ser Ser Ile His Glu Arg
            20                  25                  30

Lys Arg Met Glu Thr Met Ser Ser Val Leu Leu Leu Pro Lys His Pro
```

35 40 45

Cys Met Cys Val His Val Cys Trp Arg Val Cys Val Cys Met His Ile
50 55 60

Ser Lys Cys Val Phe Ala Cys Val Cys Trp Gly Val Tyr Val Ile Trp
65 70 75 80

Val Phe Val Tyr Leu Cys Tyr Tyr Ser Pro Leu Ala Leu Phe
85 90

<210> 4465
<211> 197
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4465
Arg Trp Ala Arg Val Glu Ala Ala Val Met Glu Gly Ala Gly Ala Gly
1 5 10 15

Ser Gly Phe Arg Lys Glu Leu Val Ser Arg Leu Leu His Leu His Phe
20 25 30

Lys Asp Asp Lys Thr Lys Val Ser Gly Asp Ala Leu Gln Leu Met Val
35 40 45

Glu Leu Leu Lys Val Phe Val Val Glu Ala Ala Val Arg Gly Val Arg
50 55 60

Gln Ala Gln Ala Glu Asp Ala Leu Arg Val Asp Val Asp Gln Leu Glu
65 70 75 80

Lys Val Leu Arg Ser Cys Ser Gly Leu Leu Gly Ile Ser Ala Val Ala
85 90 95

BNSDOCID: <WO__ 0122920A2_I_>

```
Xaa Ala Thr Pro Arg Gly Ala Pro Gly Pro Gln Lys Gln Ala Leu Cys
            100                 105                 110

Phe Gln Arg Pro Leu Ile Arg Gly Arg Glu Gly Xaa Glu Gly Phe Gly
        115                 120                 125

Xaa Asp Ser Asn Lys Ile Ser Gly Ser Leu Gln Pro Val Gln Lys Gly
    130                 135                 140

Gln Asp Cys Ser Ala Leu Arg Ala Leu Glu Cys Pro Val Gly Thr Leu
145                 150                 155                 160

Val Trp Glu Gly Ala Ala Pro Gly Glu Ser Leu Pro Leu Leu Pro Gly
                165                 170                 175

Thr Ile Val Cys Met Pro Pro Gly Val Leu Gln Ala Gly Ala Gly Lys
            180                 185                 190

Gly Leu Ala Ser Arg
        195
```

<210> 4466
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4466

```
Lys Ala Trp Ser Ala Phe Arg Gly Ile Arg Arg Lys His Arg Lys Ser
  1               5                  10                  15

Leu Leu Ser Arg Ser Trp Ala Pro Leu Pro Leu Gly Gln Arg Thr Gly
            20                  25                  30

Asn Arg Gly Ser Gly Ile Ser Gly Pro Ala Arg Glu Arg Ser Ser Arg
        35                  40                  45

Ala Arg Ser Cys Pro Ala Asn His Ala Ala Pro Trp Ala Glu Ala Ala
    50                  55                  60

Pro Ala Met Ala Leu Gly Pro Ala Pro Ala Gln Gly Xaa Leu Ser Pro
65                  70                  75                  80

Ala Cys Trp Ala Pro Pro Trp Tyr Ile Ala Ser Ser Arg Thr Gln Ile
```

85 90 95

Thr Pro

<210> 4467
<211> 47
<212> PRT
<213> Homo sapiens

<400> 4467
Gly Leu Pro His Arg Ile Ile Met His Ser Pro Leu Leu Met His Val
1 5 10 15

Lys Phe Leu Leu Gly Lys Leu Thr His His Leu Thr Thr Ile Leu Ser
20 25 30

Thr Ile Glu Tyr Ile Leu Phe His Lys Phe Gly Ile His Ser Glu
35 40 45

<210> 4468
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4468
Phe Thr Asn Ala Phe Gly Gln Leu Asp Val Thr Asp Phe Ile Leu Cys
1 5 10 15

Asp Tyr Asn Lys Lys His Asn Phe Leu Lys Lys Lys Lys Lys Lys Lys
20 25 30

Lys Lys Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
35 40 45

Arg Arg His Ser Ser Ser Ile Xaa Ser Pro Lys Phe Asn Ser Leu Ala
50 55 60

Arg Xaa Phe Thr Thr Xaa
65 70

<210> 4469
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4469
Trp Xaa Tyr Arg Ile Leu Asn Arg Ile Gln Phe Asp Met Thr Ala Lys
1 5 10 15

Asn Val Gly Leu Thr Ser Thr Asn Ala Glu Val Arg Gly Phe Ile Asp
20 25 30

Gln Asn Leu Ser Pro Thr Lys Gly Asn Ile Ser Phe Val Ala Phe Pro
35 40 45

Val Ser Asn Thr Asn Ser Pro Thr Lys Ile Leu Pro Lys Thr Leu Gly
50 55 60

Pro Ile Asn Val Asn Val Gly Pro Gln Met
65 70

<210> 4470
<211> 178
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__0122920A2 !. >

<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4470

```
Leu Pro Leu Tyr Thr Gly Ser Ser Arg Gly Glu His Ala Pro Pro Pro
  1               5                  10                  15

Trp Ser Pro Pro Arg Ala Val Asn Leu Gly Ser Xaa Ser Arg Ala Val
             20                  25                  30

Thr Leu Pro Glu Ala Pro Pro Pro Arg Arg Arg Pro Gly Ala Val Asn
         35                  40                  45

Pro Ser Leu Ala Ala Ala Glu Ser Ala Pro Gly Gln Ala His Leu Arg
     50                  55                  60

Ile Asn Ala Leu Met Ala Ser Pro Arg Arg Glu Ser Leu Gly Met Val
 65                  70                  75                  80

Phe Ser Thr Val Lys Thr Phe Glu Pro Pro Glu Arg Leu Thr Pro Ala
                 85                  90                  95

Pro Leu Arg Gly His Phe Ile Gln Lys Leu Asn His Ser Glu Phe Gln
            100                 105                 110

His Cys Arg Gly Ser Ser Gly Ser Val His Arg His Ser Leu Ala Leu
        115                 120                 125

Ser Pro Thr Glu Pro Xaa Arg Asp Leu Gly Pro Ser Trp Gly Leu Phe
    130                 135                 140

Ile Val Glu Lys Ala Ser Cys Gln Thr Arg Ile Cys Gly Arg Gly Gln
145                 150                 155                 160

Ala Gly Gly Leu Gly Arg Trp Gln Trp Xaa Val Ser Ala His Gly Cys
                165                 170                 175

Gly Trp
```

<210> 4471
<211> 107
<212> PRT
<213> Homo sapiens

<400> 4471
Leu Arg Trp Lys Gly Arg Tyr Ser Glu Asn Asp Val Lys Asn Trp Thr
1 5 10 15

Pro Glu Leu Gln Lys Tyr Leu Asn Phe Asp Pro Arg Thr Ala Gln Lys
20 25 30

Ile Asp Asn Gly Ile Phe Trp Ile Ser Trp Asp Asp Leu Cys Gln Tyr
35 40 45

Tyr Asp Val Ile Tyr Leu Ser Trp Asn Pro Gly Leu Phe Lys Glu Ser
50 55 60

Thr Cys Ile His Ser Thr Trp Asp Ala Lys Gln Gly Pro Val Lys Asp
65 70 75 80

Ala Tyr Ser Leu Ala Asn Asn Pro Gln Tyr Lys Leu Glu Val Gln Cys
85 90 95

Thr Thr Gly Gly Cys Cys Ser Leu Gly Phe Ala
100 105

<210> 4472
<211> 129
<212> PRT
<213> Homo sapiens

<400> 4472
Ala Trp Ala Asp Ala Trp Gly Glu Phe Ser Ala Leu Arg Ala Glu Asn
1 5 10 15

Glu Lys Ile Lys Leu Glu Leu His Gln Leu Lys Gln Gln Val Met Asp
20 25 30

Glu Val Ile Lys Val Arg Thr Asp Thr Lys Leu Asp Phe Asn Leu Glu
35 40 45

Lys Ser Arg Val Lys Glu Leu Tyr Ser Leu Asn Glu Lys Lys Leu Leu
50 55 60

Glu Leu Arg Thr Glu Ile Val Ala Leu His Ala Gln Gln Asp Arg Ala
65 70 75 80

Leu Thr Gln Thr Asp Arg Lys Ile Glu Thr Glu Val Ala Gly Leu Lys
85 90 95

Thr Met Leu Glu Ser His Lys Leu Asp Asn Ile Lys Tyr Leu Ala Gly
100 105 110

Ser Ile Phe Thr Cys Leu Thr Val Ala Leu Gly Phe Tyr Arg Leu Trp
115 120 125

Ile

<210> 4473
<211> 34
<212> PRT
<213> Homo sapiens

<400> 4473
Ala Cys Ser Asn Ala Cys Lys Thr Thr Tyr His Ser Ala Leu Val Phe
1 5 10 15

Leu Ile Gln Glu Gly Arg Ala Val Asn Leu Phe Gly Ala Asn Val Lys
20 25 30

Cys Lys

<210> 4474
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4474
Thr Tyr Tyr Gln Asn Phe Phe Lys Glu Phe Phe Met Lys Asp Phe Pro
1 5 10 15

Pro Leu Gln Glu Arg Asn Xaa Val Leu Pro Phe Cys Leu Val Lys Ala
20 25 30

Glu Phe Ala Val Ala Ser Lys Glu Thr Phe Leu Asn Lys Asn Tyr Val
35 40 45

Leu Trp His Asn Pro Phe Phe Glu Leu Tyr Arg Glu Gln Ser Phe Gly
50 55 60

Asn Ser Gly Arg Tyr Leu Phe Leu Leu Asn Ile Tyr Pro Ile Ile Gly
65 70 75 80

Ile Thr Val Thr Tyr Leu Gly Phe His His
85 90

<210> 4475
<211> 43
<212> PRT
<213> Homo sapiens

<400> 4475
Phe Lys Tyr Val Lys Cys Gly Ser Phe Thr Pro His His Ser Glu His
1 5 10 15

Thr Gly Glu Met Cys Phe Phe Gly Lys Leu Lys Gly Ala Ser Ser Leu
20 25 30

Ile Gln Arg Asn Ile Ser His Val Cys Ser Phe
35 40

<210> 4476
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4476
Ser Trp Arg Ser Asn Asn Ser Arg Lys Ser Ser Ala Asp Thr Glu Phe
1 5 10 15

Ser Asp Glu Cys Thr Thr Ala Glu Arg Val Leu Met Lys Ser Pro Ser
20 25 30

Pro Ala Leu His Pro Pro Gln Lys Tyr Lys Asp Arg Gly Ile Leu His
35 40 45

Pro Lys Arg Gly Thr Glu Asp Arg Ser Asp Gln Ser Ser Leu Lys Ser
50 55 60

Thr Asp Ser Ser Ser Tyr Pro Ser Pro Cys Ala Ser Pro Ser Pro Pro
65 70 75 80

Ser Ser Gly Lys Gly Leu Lys Ile Ser Phe Xaa Lys Thr Lys His Ala
85 90 95

BNSDOCID: <WO__ 0122920A2 I_>

Cys Ser Ile Leu His Asn Glu Glu
100

<210> 4477
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4477
Thr Val Val Glu Val Tyr Val Phe Val Tyr Leu Pro Ala Phe Glu Asn
1 5 10 15

Gly Gln Ile Asp Lys Leu Ser Leu Thr Asp Leu Gly Ala Leu Trp Ala
20 25 30

Gly Ile Lys Thr Glu Gly Gly Leu Ser Gln Ser Gln Ser Pro Gly Gln
35 40 45

Thr Xaa Phe Leu Ser Tyr Gly Thr Ser Phe Ser Thr Pro Gln Pro Gly
50 55 60

Gln Ala Pro Tyr Ser Tyr Gln Met Gln Gly Leu Tyr Ile His Ile Ala
65 70 75 80

Ile Phe Leu Asn Pro Val Gly
85

<210> 4478
<211> 104
<212> PRT
<213> Homo sapiens

<400> 4478
Leu Gln Arg Arg Arg Glu Gln Lys Gln Arg Arg His Asp Ala Gln Gln
1 5 10 15

Leu Gln Gln Leu Lys His Leu Glu Ser Phe Tyr Glu Lys Pro Pro Pro
20 25 30

Gly Leu Ile Lys Glu Asp Glu Thr Lys Pro Glu Asp Cys Ile Pro Asp
35 40 45

BNSDOCID: <WO___0122920A2_I_>

Val Pro Gly Asn Glu His Ala Arg Glu Phe Leu Ala His Ala Pro Thr
50 55 60

Lys Gly Leu Trp Met Pro Leu Gly Lys Glu Val Lys Val Met Gln Cys
65 70 75 80

Trp Arg Cys Lys Pro Met Val Thr Glu Arg Val Thr Lys Asn Ala Leu
85 90 95

Ser Leu Ser Lys Ala Thr Lys Ser
100

<210> 4479
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4479
Leu Val Lys Cys Asn Tyr Cys Asn Phe Phe Pro Ile Gln Leu Tyr Ile
1 5 10 15

Ser Leu Thr Asp Asp Gln Ile Ile Val Val Leu Asn Gln Phe Val Val
20 25 30

Ser Lys Cys Phe Val Gly Phe Cys Leu Phe Val Phe Lys Glu Gln Phe
35 40 45

Gly Ser Leu Asp Met Val Leu Gln Arg Asp Xaa Met Gly Cys Xaa Trp

```
     50                  55                  60

Phe Trp Val Ile Thr Asp Leu Leu Asp Asn Leu Asp Lys Gln Pro Ser
 65                  70                  75                  80

Cys His Val Cys Leu Ser Asn Leu Lys Cys Ser Leu Tyr Phe Met Phe
                 85                  90                  95

Leu Glu Xaa Leu Ser Xaa Lys Asp Leu Thr Leu Trp Gln Ile Cys Leu
            100                 105                 110

Asn Arg Asp Thr Thr Met Leu Pro Asn Lys Ala Phe Trp Pro
        115                 120                 125
```

<210> 4480
<211> 70
<212> PRT
<213> Homo sapiens

<400> 4480

```
Val Thr Asn Leu Val Ile Ile Phe Phe Leu Ile Gln Pro Gln Lys Leu
  1               5                  10                  15

Ala Ile Leu Lys Arg Leu Met Phe Thr Asn Gly Lys Asn Glu Met Thr
             20                  25                  30

Leu His Leu Leu Arg Glu Asn Ser Leu Arg His Ser Leu Ser Lys Leu
         35                  40                  45

Tyr Phe Phe Tyr Leu Ile Leu Lys Thr Ser Ala Pro Lys Ser Val Ser
     50                  55                  60

Ile Phe Pro Glu Cys Leu
 65                  70
```

<210> 4481
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4481
Glu Leu Arg Gln Phe Ser Xaa Met Asn Arg Tyr Asn Leu Lys Pro Asn
1 5 10 15

Gln Thr Arg Lys Leu Arg Gly His Arg Met Pro Val Leu Gly Trp Ala
20 25 30

Thr Pro Leu Leu Phe Val Lys Met Xaa
35 40

<210> 4482
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4482
Asn Leu Asn Gly Xaa Leu Ile Phe Pro Leu Cys Pro Leu Val Pro Cys
1 5 10 15

Lys Met Leu Gly His Pro Lys Glu Arg Gly Glu Ile Ala Met Val Val
20 25 30

Pro Lys Val Leu Leu Ala Leu His Val Phe Leu Lys Ser Arg Thr Trp
35 40 45

Ser Phe Ser Phe Met
50

<210> 4483
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4483

```
Cys Arg Gln Glu Arg Ala Val Ala Pro Ala Arg Arg Ala Met Glu Arg
  1               5                  10                  15

Ile Pro Ser Ala Gln Pro Pro Pro Ala Cys Leu Pro Lys Ala Pro Gly
             20                  25                  30

Leu Glu His Gly Asp Leu Pro Gly Met Tyr Pro Ala His Met Tyr Gln
         35                  40                  45

Val Tyr Lys Ser Arg Arg Gly Ile Lys Arg Xaa Xaa Asp Ser Lys Glu
     50                  55                  60

Thr Tyr Lys Leu Pro Xaa Arg Xaa Ile Glu Lys Arg Asp Xaa Thr Xaa
 65                  70                  75                  80
```

<210> 4484
<211> 155
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO_ 0122920A2 I >

<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4484

```
Ser Phe Gln Gln Glu Met Val Thr Ile Arg Arg Ile Ile Gln Ser Gln
  1               5                  10                  15

Lys Arg Arg Arg Val Lys Thr Leu Pro Gly Asp Gly Lys Gly Asn Lys
             20                  25                  30

His Lys Lys His Arg Lys Arg Arg Lys Gly Glu Glu Ser Glu Gly Phe
         35                  40                  45

Leu Asn Pro Glu Leu Leu Glu Thr Ser Arg Lys Ser Arg Glu Pro Thr
     50                  55                  60

Xaa Val Glu Glu Asn Lys Thr Asp Ser Leu Phe Val Leu Pro Ser Arg
 65                  70                  75                  80

Asp Asp Ala Thr Pro Val Arg Asp Glu Pro Met Asp Ala Glu Ser Xaa
                 85                  90                  95

Thr Phe Lys Ser Val Ser Glu Lys Asp Xaa Arg Glu Arg Asp Lys Pro
            100                 105                 110

Lys Ala Lys Gly Asp Lys Thr Lys Arg Lys Asn Asp Gly Ser Ala Val
        115                 120                 125

Ser Lys Lys Glu Asn Ile Val Lys Pro Ala Lys Gly Pro Gln Glu Lys
    130                 135                 140

Val Asp Gly Glu Arg Glu Arg Ser Pro Ser Ile
145                 150                 155
```

<210> 4485
<211> 71
<212> PRT
<213> Homo sapiens

<400> 4485
Pro Pro Arg Arg Gly Leu Gly Gly Thr Ser Ser Arg Ser Pro Gly Pro
1 5 10 15

Arg Phe Cys Gly Arg Val His Cys Arg Gly Gly Asp Gly Val Arg Ala
20 25 30

Arg Arg Gln Leu Pro Pro Arg Ser Ser Gly Pro Thr Trp Gln Ser Ala
35 40 45

Ala His Gly Ser Pro Ala Ser Glu Asp Pro Trp Leu Gln Pro Pro Ile
50 55 60

Pro Thr Cys Arg Arg Thr Arg
65 70

<210> 4486
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4486
Asp Ile Asp Leu Asp Met Arg Phe Phe Ser Phe Ile Leu Ser Cys Arg
1 5 10 15

Arg Asn Xaa Ser Ser Ile Cys Thr Arg Xaa Lys Thr Thr Tyr Thr Asn
20 25 30

Thr Ile Glu Gln Leu Ile Met Lys Thr Leu Pro Ala Phe Ile Lys Asn
35 40 45

Val Ile Ile Phe Phe Cys
50

<210> 4487
<211> 33

<212> PRT
<213> Homo sapiens

<400> 4487
Gln Cys Ser Glu Ile Cys Gly Ala Asn His Ser Phe Met Pro Ile Val
1 5 10 15

Leu Glu Leu Ile Pro Leu Lys Ile Phe Glu Ile Gly Pro Val Phe Thr
20 25 30

Leu

<210> 4488
<211> 186
<212> PRT
<213> Homo sapiens

<400> 4488
Ala Val Pro Lys Asp Val Ser Ser Glu Glu Ala Gly Gln Val Glu Gly
1 5 10 15

Val Ser Thr Met Val Ile Asp Gly Glu Gly Asp Ala Ala Gln Val Glu
20 25 30

Arg Phe Val His Leu Pro Gly Val Gln Glu Trp Val Gly Gly Thr Thr
35 40 45

Gln Ser Ile Leu Tyr Leu Ala His Thr Cys Trp Tyr Trp Ser Trp Leu
50 55 60

Ala Phe Pro Cys Ala Thr Arg Arg Ser Cys Thr Val Leu Ser Ser Gln
65 70 75 80

Leu Thr Ser Ala Lys Met Ser Gly Phe Ser Ser Glu Leu Leu Cys Glu
85 90 95

Ala Thr Arg Met Glu Val Ile Ser Ala Ser Val Leu Ile Leu Glu Val
100 105 110

Glu Lys Trp Ser Glu Ser Ser Val Val Lys Trp Pro Tyr Thr Lys Val
115 120 125

Gly Asp Ile Gln Asn Arg Gly Glu Ile Gly Leu Ser Ala Pro Leu Gly
130 135 140

Gly Arg Glu Ala Val Gly Val Gly Gly Glu Met Ala Leu Cys Glu Cys
145 150 155 160

```
Gly Arg Pro Ala Asp Trp Arg Trp Asn Trp Pro Gln Cys Leu Ser Trp
                165                 170                 175

Arg Trp Arg Ser Gly Gln Ser Pro Trp Trp
            180                 185
```

<210> 4489
<211> 134
<212> PRT
<213> Homo sapiens

<400> 4489

```
Pro Val Pro Phe Pro Thr Phe Ala Leu Pro Val Val Gly Met Trp Glu
  1               5                  10                  15

Ala His Leu Ser Ser Cys Asp Phe Met Ser Gln Thr Lys Asp Glu Arg
             20                  25                  30

Leu Val Ser Ala Met Met Val Val Ser Glu Ala Phe Pro Cys Pro Val
         35                  40                  45

Trp Cys Leu Pro His Ile Val Pro Asp Thr Gly Phe Leu Asp Pro Leu
     50                  55                  60

Leu Leu Ser Phe Leu Ser Phe Arg Ser Arg Ser Pro Val Leu Tyr Pro
 65                  70                  75                  80

Ala Pro Gln Lys Pro Gln Cys Phe Ser Ser Ala Gly Leu Gly His Lys
                85                  90                  95

Glu Ala Leu Gly Tyr Gly Glu Arg Leu Leu Leu Pro Arg Val Tyr Ser
            100                 105                 110

Gln Ala Arg Gly Leu Pro Ser Ser Ser Gln Thr Ser Leu Lys Gly Ser
        115                 120                 125

Pro Phe Gly Ala Gly Arg
    130
```

<210> 4490
<211> 58
<212> PRT
<213> Homo sapiens

<400> 4490

```
Glu Phe Gly Thr Arg Gln Trp Cys Asp Leu Ser Ser Leu Gln Pro Pro
  1               5                  10                  15
```

```
Arg Leu Gly Phe Met Gln Leu Ser Cys Leu Ser Leu Pro Ser Ser Trp
            20                  25                  30

Asp Tyr Arg His Val Pro Pro Cys Pro Ala Asn Phe Cys Ile Phe Ser
        35                  40                  45

Arg Asp Gly Val Ser Leu Cys Trp Ser Gly
    50                  55
```

<210> 4491
<211> 25
<212> PRT
<213> Homo sapiens

<400> 4491

```
Arg Ala Pro Val Ile Pro Ala Thr Gln Glu Ala Glu Ala Gly Glu Trp
 1               5                  10                  15

Arg Glu Pro Gly Arg Arg Ser Leu Gln
            20                  25
```

<210> 4492
<211> 351
<212> PRT
<213> Homo sapiens

<400> 4492

```
Glu Pro Pro Pro Pro Ala Ile Arg His His Leu Pro Leu Leu Gln Leu
 1               5                  10                  15

Phe Ser Gln Asp Gln Pro Leu Ala Gln Pro Arg Ala Met Ala Tyr Val
            20                  25                  30

Pro Ala Pro Gly Tyr Gln Pro Thr Tyr Asn Pro Thr Leu Pro Tyr Tyr
        35                  40                  45

Gln Pro Ile Pro Gly Gly Leu Asn Val Gly Met Ser Val Tyr Ile Gln
    50                  55                  60

Gly Val Val Ser Glu His Met Lys Arg Phe Phe Val Asn Phe Val Val
65                  70                  75                  80

Gly Gln Asp Pro Gly Ser Asp Val Ala Phe His Phe Asn Pro Arg Phe
                85                  90                  95

Asp Gly Trp Asp Lys Val Val Phe Asn Thr Leu Gln Gly Gly Lys Trp
```

BNSDOCID: <WO__0122920A2_I_>

100 105 110

Gly Ser Glu Glu Arg Lys Arg Ser Met Pro Phe Lys Lys Gly Ala Ala
115 120 125

Phe Glu Leu Val Phe Ile Val Leu Ala Glu His Tyr Lys Val Val Val
130 135 140

Asn Gly Asn Pro Phe Tyr Glu Tyr Gly His Arg Leu Pro Leu Gln Met
145 150 155 160

Val Thr His Leu Gln Val Asp Gly Asp Leu Gln Leu Gln Ser Ile Asn
165 170 175

Phe Ile Gly Gly Gln Pro Leu Arg Pro Gln Gly Pro Pro Met Met Pro
180 185 190

Pro Tyr Pro Gly Pro Gly His Cys His Gln Gln Leu Asn Ser Leu Pro
195 200 205

Thr Met Glu Gly Pro Pro Thr Phe Asn Pro Pro Val Pro Tyr Phe Gly
210 215 220

Arg Leu Gln Gly Gly Leu Thr Ala Arg Arg Thr Ile Ile Ile Lys Gly
225 230 235 240

Tyr Val Pro Pro Thr Gly Lys Ser Phe Ala Ile Asn Phe Lys Val Gly
245 250 255

Ser Ser Gly Asp Ile Ala Leu His Ile Asn Pro Arg Met Gly Asn Gly
260 265 270

Thr Val Val Arg Asn Ser Leu Leu Asn Gly Ser Trp Gly Ser Glu Glu
275 280 285

Lys Lys Ile Thr His Asn Pro Phe Gly Pro Gly Gln Phe Phe Asp Leu
290 295 300

Ser Ile Arg Cys Gly Leu Asp Arg Phe Lys Val Tyr Ala Asn Gly Gln
305 310 315 320

His Leu Phe Asp Phe Ala His Arg Leu Ser Ala Phe Gln Arg Val Asp
325 330 335

Thr Leu Glu Ile Gln Gly Asp Val Thr Leu Ser Tyr Val Gln Ile
340 345 350

<210> 4493
<211> 83

BNSDOCID: <WO___0122920A2 I_>

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4493
Val Asn Glu Cys Gln Gly Arg Gln Ala Pro Ala Pro Arg Ala Leu Gly
1 5 10 15

Val Ala Arg Gly Cys Leu Ala Arg Thr Pro Cys Thr Tyr Phe Pro Gly
20 25 30

Ala Gln His Gly Asn Lys Ala Pro Xaa Xaa Ala Leu Gly Pro Cys Glu
35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Arg Xaa Lys
65 70 75 80

Arg Phe Pro

<210> 4494
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4494
Pro Gln Arg Ala Arg Ala Gly Ala Arg Xaa Pro Ser Met Gly Val Leu

```
  1               5                  10                  15

Leu Thr Gln Arg Thr Leu Leu Ser Leu Val Leu Ala Leu Leu Phe Pro
             20                  25                  30

Ser Met Ala Ser Met Ala Ala Ile Gly Ser Cys Ser Lys Glu Tyr Arg
         35                  40                  45

Val Leu Leu Gly Gln Leu Gln Lys Gln Thr Asp Leu Met Gln Asp Thr
     50                  55                  60

Ser Arg Leu Leu Asp Pro Tyr Val Ser Thr Trp Ala Leu Val Ala Ser
 65                  70                  75                  80

Glu Ser Gln Arg Thr Met Gly Leu Gly Arg Glu
                 85                  90
```

<210> 4495
<211> 36
<212> PRT
<213> Homo sapiens

<400> 4495

```
Ala Pro Val Val Ala Ala Thr Arg Glu Ala Glu Ala Gly Glu Ser Leu
  1               5                  10                  15

Glu Pro Val Gly Ala Glu Val Ala Val Ser Gln Asp Arg Ala Thr Ala
             20                  25                  30

Leu Gln Pro Gly
         35
```

<210> 4496
<211> 50
<212> PRT
<213> Homo sapiens

<400> 4496

```
Leu Pro His Pro Lys Phe Tyr Gly Arg Leu Met Phe Cys Tyr Gly Asp
  1               5                  10                  15

Tyr His Pro Ser Thr Trp Lys His Gln Asn Gly Leu Val Gln Leu Gly
             20                  25                  30

Ser Ser Ala Arg Ser Arg Cys Leu Leu Phe Glu Ile Val Trp Lys Asp
         35                  40                  45
```

BNSDOCID: <WO_ 0122920A2 I >

Tyr Cys
50

<210> 4497
<211> 75
<212> PRT
<213> Homo sapiens

<400> 4497
Gln Val Asn Glu Val His Ile Trp Lys Ser Leu Asn Ile Phe Arg Ser
1 5 10 15

Trp Asn Ser Met Ala Thr Leu Val Val Tyr Ala Phe His Cys Cys Gly
20 25 30

Arg Gly Phe Gly Ser Lys Cys His Gln Gln Trp Ile Gln Lys Thr Trp
35 40 45

Ile Trp Asn Lys Gly Lys Ile Tyr Leu Met Gly Leu Asn Cys Ser Ala
50 55 60

Arg Ser Ile Trp Tyr Glu Met Lys Trp Leu Ser
65 70 75

<210> 4498
<211> 444
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4498
Asn Glu Gln Asp Asn Cys Val Leu Ile His Asp Val Asp Gln Arg Asn
1 5 10 15

Ser Asp Lys Asp Ile Phe Gly Asp Ala Cys Asp Asn Cys Leu Ser Val
20 25 30

Leu Xaa Asn Asp Gln Lys Asp Thr Asp Gly Asp Gly Arg Gly Asp Ala
35 40 45

Cys Asp Asp Asp Met Asp Gly Asp Gly Ile Lys Asn Ile Leu Asp Asn
50 55 60

```
Cys Pro Lys Phe Pro Asn Arg Asp Gln Arg Asp Lys Asp Gly Asp Gly
 65                  70                  75                  80

Val Gly Asp Ala Cys Asp Ser Cys Pro Asp Val Ser Asn Pro Asn Gln
                85                  90                  95

Ser Asp Val Asp Asn Asp Leu Val Gly Asp Ser Cys Asp Thr Asn Gln
            100                 105                 110

Asp Ser Asp Gly Asp Gly His Gln Asp Ser Thr Asp Asn Cys Pro Thr
        115                 120                 125

Val Ile Asn Ser Ala Gln Leu Asp Thr Asp Lys Asp Gly Ile Gly Asp
    130                 135                 140

Glu Cys Asp Asp Asp Asp Asp Asn Asp Gly Ile Pro Asp Leu Val Pro
145                 150                 155                 160

Pro Gly Pro Asp Asn Cys Arg Leu Val Pro Asn Pro Ala Gln Glu Asp
                165                 170                 175

Ser Asn Ser Asp Gly Val Gly Asp Ile Cys Glu Ser Asp Phe Asp Gln
            180                 185                 190

Asp Gln Val Ile Asp Arg Ile Asp Val Cys Pro Glu Asn Ala Glu Val
        195                 200                 205

Thr Leu Thr Asp Phe Arg Ala Tyr Gln Thr Val Val Leu Asp Pro Glu
    210                 215                 220

Gly Asp Ala Gln Ile Asp Pro Asn Trp Val Val Leu Asn Gln Gly Met
225                 230                 235                 240

Glu Ile Val Gln Thr Met Asn Ser Asp Pro Gly Leu Ala Val Gly Tyr
                245                 250                 255

Thr Ala Phe Asn Gly Val Asp Phe Glu Gly Thr Phe His Val Asn Thr
            260                 265                 270

Gln Thr Asp Asp Asp Tyr Ala Gly Phe Ile Phe Gly Tyr Gln Asp Ser
        275                 280                 285

Ser Ser Phe Tyr Val Val Met Trp Lys Gln Thr Glu Gln Thr Tyr Trp
    290                 295                 300

Gln Ala Thr Pro Phe Arg Ala Val Ala Glu Pro Gly Ile Gln Leu Lys
305                 310                 315                 320

Ala Val Lys Ser Lys Thr Gly Pro Gly Glu His Leu Arg Asn Ser Leu
                325                 330                 335
```

BNSDOCID: <WO_ 0122920A2 I >

```
Trp His Thr Gly Asp Thr Ser Asp Gln Val Arg Leu Leu Trp Lys Asp
            340                 345                 350

Ser Arg Asn Val Gly Trp Lys Asp Lys Val Ser Tyr Arg Trp Phe Leu
        355                 360                 365

Gln His Arg Pro Gln Val Gly Tyr Ile Arg Val Arg Phe Tyr Glu Gly
    370                 375                 380

Ser Glu Leu Val Ala Asp Ser Gly Val Thr Ile Asp Thr Thr Met Arg
385                 390                 395                 400

Gly Gly Arg Leu Gly Val Phe Cys Phe Ser Gln Glu Asn Ile Ile Trp
                405                 410                 415

Ser Asn Leu Lys Tyr Arg Cys Asn Asp Thr Ile Pro Glu Asp Phe Gln
            420                 425                 430

Glu Phe Gln Thr Gln Asn Phe Asp Arg Phe Asp Asn
        435                 440
```

<210> 4499
<211> 358
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (234)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4499

```
Leu Pro Gln Val Met Ala Glu Phe Arg Asn Asn Pro Gly Glu Val Glu
  1               5                  10                  15

Gly Arg Lys Ala Lys Ser Met Lys Gly Gln Thr Thr Gly Lys Asn Gln
            20                  25                  30

Asp Asn Pro Val Ile Asp Glu Ile Asp Phe Leu Glu Ala Phe Lys Asn
        35                  40                  45

Ile Gln Pro Ser Ser Phe Arg Ser Val Ile Gly Leu Met Asp Ile Lys
    50                  55                  60

Pro Val Asp Trp Glu Glu Ile Gly Gly Leu Glu Asp Val Lys Leu Lys
65                  70                  75                  80

Leu Lys Gln Ser Ile Glu Trp Pro Leu Lys Phe Pro Trp Glu Phe Val
                85                  90                  95
```

Arg Met Gly Leu Thr Gln Pro Lys Gly Val Leu Leu Tyr Gly Pro Pro
100 105 110

Gly Cys Ala Lys Thr Thr Leu Val Arg Ala Leu Ala Thr Ser Cys His
115 120 125

Cys Ser Phe Val Ser Val Ser Gly Ala Asp Leu Phe Ser Pro Phe Val
130 135 140

Gly Asp Ser Glu Lys Val Leu Ser Gln Ile Phe Arg Gln Ala Arg Ala
145 150 155 160

Ser Thr Pro Ala Ile Leu Phe Leu Asp Glu Ile Asp Ser Ile Leu Gly
165 170 175

Ala Arg Ser Ala Ser Lys Thr Gly Cys Asp Val Gln Glu Arg Val Leu
180 185 190

Ser Val Leu Leu Asn Glu Leu Asp Gly Val Gly Leu Lys Thr Ile Glu
195 200 205

Arg Arg Gly Ser Lys Ser Ser Gln Gln Glu Phe Gln Glu Val Phe Asn
210 215 220

Arg Ser Val Met Ile Ile Ala Ala Thr Xaa Arg Pro Asp Val Leu Asp
225 230 235 240

Thr Ala Leu Leu Arg Pro Gly Arg Leu Asp Lys Ile Ile Tyr Ile Pro
245 250 255

Pro Pro Asp His Lys Gly Arg Leu Ser Ile Leu Lys Val Cys Thr Lys
260 265 270

Thr Met Pro Ile Gly Pro Asp Val Ser Leu Glu Asn Leu Ala Ala Glu
275 280 285

Thr Cys Phe Phe Ser Gly Ala Asp Leu Arg Asn Leu Cys Thr Glu Ala
290 295 300

Ala Leu Leu Ala Leu Gln Glu Asn Gly Leu Asp Ala Thr Thr Val Lys
305 310 315 320

Gln Glu His Phe Leu Lys Ser Leu Lys Thr Val Lys Pro Ser Leu Ser
325 330 335

Cys Lys Asp Leu Ala Leu Tyr Glu Asn Leu Phe Lys Lys Glu Gly Phe
340 345 350

Ser Asn Val Glu Gly Ile
355

BNSDOCID: <WO 0122920A2 I >

<210> 4500
<211> 446
<212> PRT
<213> Homo sapiens

<400> 4500
Asn Ser Ala Gln Val Gly Arg Gly Asp Ala Val Leu Lys Thr Trp Ala
1 5 10 15

Pro Ala Gln Cys Leu Cys Ser Arg Met Gly Pro Ala Trp Leu Trp Leu
20 25 30

Leu Gly Thr Gly Ile Leu Ala Ser Val His Cys Gln Pro Leu Leu Ala
35 40 45

His Gly Asp Lys Ser Leu Gln Gly Pro Gln Pro Pro Arg His Gln Leu
50 55 60

Ser Glu Pro Ala Pro Ala Tyr His Arg Ile Thr Pro Thr Ile Thr Asn
65 70 75 80

Phe Ala Leu Arg Leu Tyr Lys Glu Leu Ala Ala Asp Ala Pro Gly Asn
85 90 95

Ile Phe Phe Ser Pro Val Ser Ile Ser Thr Thr Leu Ala Leu Leu Ser
100 105 110

Leu Gly Ala Gln Ala Asn Thr Ser Ala Leu Ile Leu Glu Gly Leu Gly
115 120 125

Phe Asn Leu Thr Glu Thr Pro Glu Ala Asp Ile His Gln Gly Phe Arg
130 135 140

Ser Leu Leu His Thr Leu Ala Leu Pro Ser Pro Lys Leu Glu Leu Lys
145 150 155 160

Val Gly Asn Ser Leu Phe Leu Asp Lys Arg Leu Lys Pro Arg Gln His
165 170 175

Tyr Leu Asp Ser Ile Lys Glu Leu Tyr Gly Ala Phe Ala Phe Ser Ala
180 185 190

Asn Phe Thr Asp Ser Val Thr Thr Gly Arg Gln Ile Asn Asp Tyr Leu
195 200 205

Arg Arg Gln Thr Tyr Gly Gln Val Val Asp Cys Leu Pro Glu Phe Ser
210 215 220

```
Gln Asp Thr Phe Met Val Leu Ala Asn Tyr Ile Phe Phe Lys Ala Lys
225                 230                 235                 240

Trp Lys His Pro Phe Ser Arg Tyr Gln Thr Gln Lys Gln Glu Ser Phe
                245                 250                 255

Phe Val Asp Glu Arg Thr Ser Leu Gln Val Pro Met Met His Gln Lys
            260                 265                 270

Glu Met His Arg Phe Leu Tyr Asp Gln Asp Leu Ala Cys Thr Val Leu
        275                 280                 285

Gln Ile Glu Tyr Arg Gly Asn Ala Leu Ala Leu Leu Val Leu Pro Asp
    290                 295                 300

Pro Gly Lys Met Lys Gln Val Glu Ala Ala Leu Gln Pro Gln Thr Leu
305                 310                 315                 320

Arg Lys Trp Gly Gln Leu Leu Leu Pro Ser Leu Leu Asp Leu His Leu
                325                 330                 335

Pro Arg Phe Ser Ile Ser Gly Thr Tyr Asn Leu Glu Asp Ile Leu Pro
            340                 345                 350

Gln Ile Gly Leu Thr Asn Ile Leu Asn Leu Glu Ala Asp Phe Ser Gly
        355                 360                 365

Val Thr Gly Gln Leu Asn Lys Thr Ile Ser Lys Val Ser His Lys Ala
    370                 375                 380

Met Val Asp Met Ser Glu Lys Gly Thr Glu Ala Gly Ala Ala Ser Gly
385                 390                 395                 400

Leu Leu Ser Gln Pro Pro Ser Leu Asn Thr Met Ser Asp Pro His Ala
                405                 410                 415

His Phe Asn Arg Pro Phe Leu Leu Leu Leu Trp Glu Val Thr Thr Gln
            420                 425                 430

Ser Leu Leu Phe Leu Gly Lys Val Val Asn Pro Val Ala Gly
        435                 440                 445
```

<210> 4501
<211> 180
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO__0122920A2 I_>

<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4501

```
Lys Ala Arg Pro Leu Xaa Leu Thr Lys Gly Asn Lys Xaa Trp Xaa Ser
 1               5                  10                  15

Thr Ala Val Ala Ala Ala Leu Gln Leu Val Asp Pro Pro Gly Cys Arg
            20                  25                  30

Asn Ser Ala Arg Glu Glu His Trp Pro Ser Gln Leu Leu Leu Arg Glu
        35                  40                  45

Ser Leu Glu Asp Met Met Leu His Ser Ala Leu Gly Leu Cys Leu Leu
    50                  55                  60

Leu Val Thr Val Ser Ser Asn Leu Ala Ile Ala Ile Lys Lys Glu Lys
65                  70                  75                  80

Arg Pro Pro Gln Thr Leu Ser Arg Gly Trp Gly Asp Asp Ile Thr Trp
                85                  90                  95

Val Gln Thr Tyr Glu Glu Gly Leu Phe Tyr Ala Gln Lys Ser Lys Lys
            100                 105                 110

Pro Leu Met Val Ile His His Leu Glu Asp Cys Gln Tyr Ser Gln Ala
        115                 120                 125

Leu Lys Lys Val Phe Ala Gln Asn Glu Glu Ile Gln Glu Met Ala Gln
    130                 135                 140

Asn Lys Phe Ile Met Leu Asn Leu Met His Glu Thr Thr Asp Lys Asn
145                 150                 155                 160

Leu Ser Pro Asp Gly Gln Tyr Val Pro Arg Asn His Val Cys Arg Pro
                165                 170                 175

Phe Phe Asn Ser
            180
```

<210> 4502
<211> 29
<212> PRT
<213> Homo sapiens

<400> 4502
Gly Gly Thr Ser Ser Leu Ser Thr Met Asn Gln Thr Ala Ile Leu Asn
1 5 10 15

Leu Leu Pro Tyr Leu Ser Asp Ser Lys Trp His Ser Arg
20 25

<210> 4503
<211> 238
<212> PRT
<213> Homo sapiens

<400> 4503
Gln Asp Leu Lys Pro Val Leu Asp Arg Glu Tyr Leu Ala Ile Tyr Leu
1 5 10 15

Lys Met Val Phe Phe Thr Cys Asn Ala Cys Gly Glu Ser Val Lys Lys
20 25 30

Ile Gln Val Glu Lys His Val Ser Val Cys Arg Asn Cys Glu Cys Leu
35 40 45

Ser Cys Ile Asp Cys Gly Lys Asp Phe Trp Gly Asp Asp Tyr Lys Asn
50 55 60

His Val Lys Cys Ile Ser Glu Asp Gln Lys Tyr Gly Gly Lys Gly Tyr
65 70 75 80

Glu Gly Lys Thr His Lys Gly Asp Ile Lys Gln Gln Ala Trp Ile Gln
85 90 95

Lys Ile Ser Glu Leu Ile Lys Arg Pro Asn Val Ser Pro Lys Val Arg
100 105 110

Glu Leu Leu Glu Gln Ile Ser Ala Phe Asp Asn Val Pro Arg Lys Lys
115 120 125

Ala Lys Phe Gln Asn Trp Met Lys Asn Ser Leu Lys Val His Asn Glu
130 135 140

Ser Ile Leu Asp Gln Val Trp Asn Ile Phe Ser Glu Ala Ser Asn Ser
145 150 155 160

BNSDOCID: <WO_ 0122920A2_I_>

```
Glu Pro Val Asn Lys Glu Gln Asp Gln Arg Pro Leu His Pro Val Ala
                165                 170                 175

Asn Pro His Ala Glu Ile Ser Thr Lys Val Pro Ala Ser Lys Val Lys
            180                 185                 190

Asp Ala Val Glu Gln Gln Gly Glu Val Lys Lys Asn Lys Arg Glu Arg
        195                 200                 205

Lys Glu Glu Arg Gln Lys Lys Arg Lys Arg Glu Lys Lys Glu Leu Lys
    210                 215                 220

Val Arg Lys Pro Pro Gly Lys Thr Pro Arg Asp Ser Glu Ala
225                 230                 235
```

<210> 4504
<211> 341
<212> PRT
<213> Homo sapiens

<400> 4504

```
Thr His Ala Ser Ala His Ala Ser Ala His Ala Ser Ala His Ala Ser
  1               5                  10                  15

Gly Trp His Val Gly Gln Ala Gln Gln Gly Pro Val Ser Ala Leu Ser
             20                  25                  30

Arg Ala Leu Pro Ala Pro Ala Arg Thr Met Arg Ala Leu Glu Gly Pro
         35                  40                  45

Gly Leu Ser Leu Leu Cys Leu Val Leu Ala Leu Pro Ala Leu Leu Pro
     50                  55                  60

Val Pro Ala Val Arg Gly Val Ala Glu Thr Pro Thr Tyr Pro Trp Arg
 65                  70                  75                  80

Asp Ala Glu Thr Gly Glu Arg Leu Val Cys Ala Gln Cys Pro Pro Gly
                 85                  90                  95

Thr Phe Val Gln Arg Pro Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly
            100                 105                 110

Pro Cys Pro Pro Arg His Tyr Thr Gln Phe Trp Asn Tyr Leu Glu Arg
        115                 120                 125

Cys Arg Tyr Cys Asn Val Leu Cys Gly Glu Arg Glu Glu Glu Ala Arg
    130                 135                 140

Ala Cys His Ala Thr His Asn Arg Ala Cys Arg Cys Arg Thr Gly Phe
```

145 150 155 160

Phe Ala His Ala Gly Phe Cys Leu Glu His Ala Ser Cys Pro Pro Gly
165 170 175

Ala Gly Val Ile Ala Pro Gly Thr Pro Ser Gln Asn Thr Gln Cys Gln
180 185 190

Pro Cys Pro Pro Gly Thr Phe Ser Ala Ser Ser Ser Ser Ser Glu Gln
195 200 205

Cys Gln Pro His Arg Asn Cys Thr Ala Leu Gly Leu Ala Leu Asn Val
210 215 220

Pro Gly Ser Ser Ser His Asp Thr Leu Cys Thr Ser Cys Thr Gly Phe
225 230 235 240

Pro Leu Ser Thr Arg Val Pro Gly Ala Glu Glu Cys Glu Arg Ala Val
245 250 255

Ile Asp Phe Val Ala Phe Gln Asp Ile Ser Ile Lys Arg Leu Gln Arg
260 265 270

Leu Leu Gln Ala Leu Glu Ala Pro Glu Gly Trp Gly Pro Thr Pro Arg
275 280 285

Ala Gly Arg Ala Ala Leu Gln Leu Lys Leu Arg Arg Arg Leu Thr Glu
290 295 300

Leu Leu Gly Ala Gln Asp Gly Ala Leu Leu Val Arg Leu Leu Gln Ala
305 310 315 320

Leu Arg Val Ala Arg Met Pro Gly Leu Glu Arg Ser Val Arg Glu Arg
325 330 335

Phe Leu Pro Val His
340

<210> 4505
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4505
Lys Gly Gly Gln Gly Ser Val Gly Gly Glu Arg Gly Cys Leu Cys Ile
1 5 10 15

Lys Thr Cys Phe Pro Ala Val Trp Arg Phe Leu Thr Glu Leu Lys Ile
20 25 30

Glu Leu Pro Phe Ile Pro Ala Ile Pro Leu Leu Gly Ile Tyr Ser Lys
35 40 45

Glu Asn Lys Leu Phe Tyr Gln Lys Asp Thr Cys Thr Pro Met Xaa Ile
50 55 60

Ala Ala Leu Phe Thr Ile Ala Lys Thr Trp Ser Lys Pro Arg Cys Pro
65 70 75 80

Ser Xaa Val Asn Xaa Ile Lys Lys Met
85

<210> 4506
<211> 75
<212> PRT
<213> Homo sapiens

<400> 4506
Ile Ser Thr Ser Ile His Thr Tyr Val Leu Val Phe His Tyr Cys Asn
1 5 10 15

Leu Lys Glu Arg Leu Cys Ile Pro Phe Phe Asn Ser Val Leu Val Phe
20 25 30

Val Leu Phe Lys Lys Gln Asn Ser Ala Leu Phe Ser Cys Ile Ile Leu
35 40 45

Glu Asp Thr Leu Leu Cys Thr Ile Pro Ser Ala Leu Glu His Cys Leu
50 55 60

Ala Phe Leu Ser Ile Tyr Lys Cys Ile Tyr Val
65 70 75

<210> 4507
<211> 26
<212> PRT
<213> Homo sapiens

<400> 4507
Val Thr Ala Gly Val Gln Thr Lys Thr Cys Thr Pro Met Phe Ile Ala
1 5 10 15

Ala Leu Phe Thr Ala Ala Lys Arg Trp Lys
20 25

<210> 4508
<211> 67
<212> PRT
<213> Homo sapiens

<400> 4508
Lys Gln Glu Thr Leu Ser Asp Leu Gly Ser Ser Tyr Ala Lys Gln Leu
1 5 10 15

Gly Phe Arg Asp Ser Trp Val Phe Ile Gly Ala Lys Asp Leu Arg Gly
20 25 30

Lys Ser Pro Phe Glu Gln Phe Leu Lys Asn Ser Pro Asp Thr Asn Lys
35 40 45

Tyr Glu Gly Trp Pro Glu Leu Leu Glu Met Glu Gly Cys Met Pro Pro
50 55 60

Lys Pro Phe
65

<210> 4509
<211> 229
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4509
Ala Xaa Ala Pro Pro Gly Arg Ser Met Gly Arg Phe Arg Gly Gly Leu

4080

```
1               5                  10                  15

Arg Cys Ile Lys Tyr Leu Leu Leu Gly Phe Asn Leu Leu Phe Trp Leu
            20                  25                  30

Ala Gly Ser Ala Val Ile Ala Phe Gly Leu Trp Phe Arg Phe Gly Gly
        35                  40                  45

Ala Ile Lys Glu Leu Ser Ser Glu Asp Lys Ser Pro Glu Tyr Phe Tyr
    50                  55                  60

Val Gly Leu Tyr Val Leu Val Gly Ala Gly Ala Leu Met Met Ala Val
65                  70                  75                  80

Gly Phe Phe Gly Cys Cys Gly Ala Met Arg Glu Ser Gln Cys Val Leu
                85                  90                  95

Gly Ser Phe Phe Thr Cys Leu Leu Val Ile Phe Ala Ala Glu Val Thr
            100                 105                 110

Thr Gly Val Phe Ala Phe Ile Gly Lys Gly Val Ala Ile Arg His Val
        115                 120                 125

Gln Thr Met Tyr Glu Glu Ala Tyr Asn Asp Tyr Leu Lys Asp Arg Gly
    130                 135                 140

Lys Gly Asn Gly Thr Leu Ile Thr Phe His Ser Thr Phe Gln Cys Cys
145                 150                 155                 160

Gly Lys Glu Ser Ser Glu Gln Val Gln Pro Thr Cys Pro Lys Glu Leu
                165                 170                 175

Leu Gly His Lys Asn Cys Ile Asp Glu Ile Glu Thr Ile Ile Ser Val
            180                 185                 190

Lys Leu Gln Leu Ile Gly Ile Val Gly Ile Gly Ile Ala Gly Leu Thr
        195                 200                 205

Ile Phe Gly Met Ile Phe Ser Met Val Leu Cys Cys Ala Ile Arg Asn
    210                 215                 220

Ser Arg Asp Val Ile
225
```

<210> 4510
<211> 74
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO 0122920A2_I >

<400> 4510
Ile Glu Cys Val Asn Thr Val Leu Val Asn Phe Ile Thr Phe Leu Leu
1 5 10 15

Pro Tyr Ser Leu Asn Phe Ser Val Phe Val Val Pro Lys Gln Leu Leu
20 25 30

Asn Leu Glu Gln Ile Asn Leu Thr Pro Ala Lys Lys Arg Leu Leu Leu
35 40 45

Ala Tyr Gln Leu Ser Leu Asn Ser Asn Ala His Val Thr Phe Ile Thr
50 55 60

Ser Lys Asn Ile Ser Leu Met Ile His Leu
65 70

<210> 4511
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4511
Tyr Ile Gly Phe Val Ile Leu Val Phe Phe Ala Ser Ser Tyr Val Lys
1 5 10 15

Glu Ile Asp Asn Lys Ile Leu Asn Asn Lys Lys Lys Xaa Lys Xaa Ser
20 25 30

Ser Lys Gly Xaa Val Ala Xaa Ala Ile

35 40

<210> 4512
<211> 288
<212> PRT
<213> Homo sapiens

<400> 4512

```
Glu Ile Arg Val Ser Cys Thr Ala Gly Ala Gly Phe Pro Ala Ala Gln
  1               5                  10                  15

Ala Arg Val Arg Cys Leu Cys His Leu Ile Leu Met Ser Gly Glu Ile
             20                  25                  30

Ala Met Cys Glu Pro Glu Phe Gly Asn Asp Lys Ala Arg Glu Pro Ser
         35                  40                  45

Val Gly Gly Arg Trp Arg Val Ser Trp Tyr Glu Arg Phe Val Gln Pro
     50                  55                  60

Cys Leu Val Glu Leu Leu Gly Ser Ala Leu Phe Ile Phe Ile Gly Cys
 65                  70                  75                  80

Leu Ser Val Ile Glu Asn Gly Thr Asp Thr Gly Leu Leu Gln Pro Ala
                 85                  90                  95

Leu Ala His Gly Leu Ala Leu Gly Leu Val Ile Ala Thr Leu Gly Asn
            100                 105                 110

Ile Ser Gly Gly His Phe Asn Pro Ala Val Ser Leu Ala Ala Met Leu
        115                 120                 125

Ile Gly Gly Leu Asn Leu Val Met Leu Leu Pro Tyr Trp Val Ser Gln
    130                 135                 140

Leu Leu Gly Gly Met Leu Gly Ala Ala Leu Ala Lys Ala Val Ser Pro
145                 150                 155                 160

Glu Glu Arg Phe Trp Asn Ala Ser Gly Ala Ala Phe Val Thr Val Gln
                165                 170                 175

Glu Gln Gly Gln Val Ala Gly Ala Leu Val Ala Glu Ile Ile Leu Thr
            180                 185                 190

Thr Leu Leu Ala Leu Ala Val Cys Met Gly Ala Ile Asn Glu Lys Thr
        195                 200                 205

Lys Gly Pro Leu Ala Pro Phe Ser Ile Gly Phe Ala Val Thr Val Asp
    210                 215                 220
```

```
Ile Leu Ala Gly Gly Pro Val Ser Gly Gly Cys Met Asn Pro Ala Arg
225                 230                 235                 240

Ala Phe Gly Pro Ala Val Val Ala Asn His Trp Asn Phe His Trp Ile
                245                 250                 255

Tyr Trp Leu Gly Pro Leu Leu Ala Gly Leu Leu Val Gly Leu Leu Ile
            260                 265                 270

Arg Cys Phe Ile Gly Asp Gly Lys Thr Arg Leu Ile Leu Lys Ala Gln
        275                 280                 285
```

<210> 4513
<211> 128
<212> PRT
<213> Homo sapiens

<400> 4513

```
Ser Pro Pro Tyr Ala Arg Lys Thr Cys Ser Arg Ser Val Ala Lys Leu
  1               5                  10                  15

Asn Arg Ala Ile Arg Ile His Gln Thr Leu Met Glu Ser Ala Ser Leu
            20                  25                  30

Thr Tyr Glu Gln Arg Leu Leu Ala Ile Gln Gln Leu Gly Arg Asp Tyr
        35                  40                  45

Met Ala Ala Gly Leu Tyr Asp Arg Ala Glu Asp Met Phe Asn Gln Leu
    50                  55                  60

Thr Asp Glu Thr Asp Phe Arg Ile Gly Ala Leu Gln Gln Leu Leu Gln
65                  70                  75                  80

Ile Tyr Gln Ala Thr Ser Glu Trp Gln Lys Ala Ile Asp Val Ala Glu
                85                  90                  95

Arg Leu Val Lys Leu Gly Lys Asp Lys Gln Arg Val Glu Ile Ala His
            100                 105                 110

Phe Tyr Cys Glu Leu Ala Leu Gln His Met Ala Leu Leu Gln Thr Lys
        115                 120                 125
```

BNSDOCID: <WO__ 0122920A2 I >

<210> 4514
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4514
Gly Lys Lys Ile Lys Lys Leu Ala Ser Ala Xaa Arg Gly Gly Ser Leu
1 5 10 15

Pro Val Ile Pro Ala Leu Ser Ala Ala Glu Ala Ser Gly Ser Leu Glu
20 25 30

Val Xaa Ser Ser Lys Thr Ser Leu Gly Gln Thr
35 40

<210> 4515
<211> 220
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (216)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4515
Asn Thr Pro Gly Phe Met Tyr Lys Asn Leu Gln Cys Leu Val Ile Asp
1 5 10 15

Glu Ala Asp Arg Ile Phe Asp Val Gly Phe Glu Glu Glu Leu Lys Gln
20 25 30

Ile Ile Lys Leu Leu Pro Thr Arg Arg Gln Thr Met Leu Phe Ser Ala
35 40 45

Thr Gln Thr Arg Lys Val Glu Asp Leu Ala Arg Ile Ser Leu Lys Lys
50 55 60

```
Glu Pro Leu Tyr Val Gly Val Asp Asp Asp Lys Ala Asn Ala Thr Val
 65                  70                  75                  80

Asp Gly Leu Glu Gln Lys Asn Arg Lys Lys Lys Leu Met Val Phe Phe
                 85                  90                  95

Ser Ser Cys Met Ser Val Lys Tyr His Tyr Glu Leu Leu Asn Tyr Ile
            100                 105                 110

Asp Leu Pro Val Leu Ala Ile His Gly Lys Gln Lys Gln Asn Lys Arg
        115                 120                 125

Thr Thr Thr Phe Phe Gln Phe Cys Asn Ala Asp Ser Gly Thr Leu Leu
    130                 135                 140

Cys Thr Asp Val Ala Ala Arg Gly Leu Asp Ile Pro Glu Val Asp Trp
145                 150                 155                 160

Ile Val Gln Tyr Asp Pro Pro Asp Asp Pro Lys Glu Tyr Ile His Arg
                165                 170                 175

Val Gly Arg Thr Ala Arg Gly Leu Asn Gly Arg Gly His Ala Leu Leu
            180                 185                 190

Ile Leu Arg Pro Glu Glu Leu Gly Phe Leu Arg Tyr Leu Lys Gln Ser
        195                 200                 205

Lys Val Pro Leu Ser Glu Phe Xaa Leu Phe Leu Val
    210                 215                 220
```

<210> 4516
<211> 82
<212> PRT
<213> Homo sapiens

<400> 4516

```
Leu Glu Leu Phe Cys Asn Ile Thr Glu Phe Val Arg Ser Leu Ala Lys
  1               5                  10                  15

Ile Phe Glu Gln Phe Ile Asn Val Glu Gln Met Phe Leu Phe Thr Ala
             20                  25                  30

Leu Phe Val Thr Glu Gly Asp Lys Phe Ser Ser His Asp Tyr Trp Leu
         35                  40                  45

Pro Cys Thr Ala Ile Phe Ile His Asn Ser Arg His Phe Pro Phe Leu
     50                  55                  60
```

```
Trp Lys Ser Cys Cys Tyr Leu Asn Tyr Lys Cys Asn Cys Val Val Asn
 65                  70                  75                  80

Glu Ser
```

<210> 4517
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4517

```
Lys Pro Gln Pro Leu Ala Tyr Ser Ser Phe Asn Thr Arg Asp Leu Trp
  1               5                  10                  15

Leu Ile Trp Gly Arg Lys Thr Leu Lys Val Ile Ser Leu Gly Gln Arg
             20                  25                  30

Pro Tyr Cys Thr Arg Gly Lys Lys Tyr Ile Leu His Leu Leu Leu Leu
         35                  40                  45

Gln Leu Cys Leu Lys Phe Ile Cys Leu Val Ile Leu Ser Thr Xaa Thr
     50                  55                  60

Asn Phe Leu Val Tyr Phe Lys His Leu Val Gly
 65                  70                  75
```

<210> 4518
<211> 38
<212> PRT
<213> Homo sapiens

<400> 4518

```
Val Asp Pro Glu Met Lys Val Glu Arg Tyr Lys Arg Thr Phe Asp Gln
  1               5                  10                  15

Asn Glu Glu Leu Gly Leu Asn Asp Met Lys Thr Glu Gly Tyr Glu Ala
             20                  25                  30

Gly Leu Ala Pro Gln Arg
         35
```

BNSDOCID: <WO 0122920A2 I >

<210> 4519
<211> 143
<212> PRT
<213> Homo sapiens

<400> 4519
Ala Arg Ala Asn Pro Ala Met Ala Tyr Ala Asn Glu Val Lys Arg Val
1 5 10 15

Val Ser Ser Ala Gln Glu Lys Gly Arg Lys Ile Ala Ala Phe Phe Ala
20 25 30

Glu Ser Leu Pro Ser Val Gly Gly Gln Ile Ile Pro Pro Ala Gly Tyr
35 40 45

Phe Ser Gln Val Ala Glu His Ile Arg Lys Ala Gly Gly Val Phe Val
50 55 60

Ala Asp Glu Ile Gln Val Gly Phe Gly Arg Val Gly Lys His Phe Trp
65 70 75 80

Ala Phe Gln Leu Gln Gly Lys Asp Phe Val Pro Asp Ile Val Thr Met
85 90 95

Gly Lys Ser Ile Gly Asn Gly His Pro Val Ala Cys Val Ala Ala Thr
100 105 110

Gln Pro Val Ala Arg Ala Phe Glu Ala Thr Gly Leu Ser Thr Ser Thr
115 120 125

Arg Leu Gly Ala Ala Gln Cys Pro Ala Leu Trp Gly Trp Pro Ser
130 135 140

<210> 4520
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4520
Val Thr His Ser Val Met Leu Gly Arg Pro Gln Ala Glu Lys His Leu
1 5 10 15

Leu Gln Leu Thr Leu Phe Leu Ala Ile His Ser Phe Gly Leu Lys Ile
20 25 30

Leu Gln His Leu Gln Glu Ser Phe Thr Asn Xaa Ser Phe Gly Gly Val
35 40 45

Val Leu Asn Tyr Gln Leu Thr Arg Met Arg Xaa Leu Ala Leu Gly Ser
50 55 60

Gln Pro Ala Asn Met Asp Gly Leu Ser Gln Xaa Leu Lys
65 70 75

<210> 4521
<211> 347
<212> PRT
<213> Homo sapiens

<400> 4521
Arg Gly Val Val Asp Ser Glu Asp Leu Pro Leu Asn Ile Ser Arg Glu
1 5 10 15

Met Leu Gln Gln Ser Lys Ile Leu Lys Val Ile Arg Lys Asn Ile Val
20 25 30

Lys Lys Cys Leu Glu Leu Phe Ser Glu Leu Ala Glu Asp Lys Glu Asn
35 40 45

Tyr Lys Lys Phe Tyr Glu Ala Phe Ser Lys Asn Leu Lys Leu Gly Ile
50 55 60

His Glu Asp Ser Thr Asn Arg Arg Arg Leu Ser Glu Leu Leu Arg Tyr
65 70 75 80

His Thr Ser Gln Ser Gly Asp Glu Met Thr Ser Leu Ser Glu Tyr Val
85 90 95

Ser Arg Met Lys Glu Thr Gln Lys Ser Ile Tyr Tyr Ile Thr Gly Glu
100 105 110

```
Ser Lys Glu Gln Val Ala Asn Ser Ala Phe Val Glu Arg Val Arg Lys
        115                 120                 125

Arg Gly Phe Glu Val Val Tyr Met Thr Glu Pro Ile Asp Glu Tyr Cys
    130                 135                 140

Val Gln Gln Leu Lys Glu Phe Asp Gly Lys Ser Leu Val Ser Val Thr
145                 150                 155                 160

Lys Glu Gly Leu Glu Leu Pro Glu Asp Glu Glu Glu Lys Lys Lys Met
                165                 170                 175

Glu Glu Ser Lys Ala Lys Phe Glu Asn Leu Cys Lys Leu Met Lys Glu
            180                 185                 190

Ile Leu Asp Lys Lys Val Glu Lys Val Thr Ile Ser Asn Arg Leu Val
        195                 200                 205

Ser Ser Pro Cys Cys Ile Val Thr Ser Thr Tyr Gly Trp Thr Ala Asn
    210                 215                 220

Met Glu Arg Ile Met Lys Ala Gln Ala Leu Arg Asp Asn Ser Thr Met
225                 230                 235                 240

Gly Tyr Met Met Ala Lys Lys His Leu Glu Ile Asn Pro Asp His Pro
                245                 250                 255

Ile Val Glu Thr Leu Arg Gln Lys Ala Glu Ala Asp Lys Asn Asp Lys
            260                 265                 270

Ala Val Lys Asp Leu Val Val Leu Leu Phe Glu Thr Ala Leu Leu Ser
        275                 280                 285

Ser Gly Phe Ser Leu Glu Asp Pro Gln Thr His Ser Asn Arg Ile Tyr
    290                 295                 300

Arg Met Ile Lys Leu Gly Leu Gly Ile Asp Glu Asp Glu Val Ala Ala
305                 310                 315                 320

Glu Glu Pro Asn Ala Ala Val Pro Asp Glu Ile Pro Pro Leu Glu Gly
                325                 330                 335

Asp Glu Asp Ala Ser Arg Met Glu Glu Val Asp
            340                 345
```

<210> 4522
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4522
Leu Phe Leu Xaa Gly Gly Lys Asp Pro Leu Val Pro Xaa Xaa Lys Gln
1 5 10 15

Leu Gly Lys Asp Leu Ala Leu Tyr Ile Tyr Trp Met Val Leu Met Ala
20 25 30

Lys Leu Leu Asn Ser Leu Ile Ser His Val Ser Ala Ser Arg Ile Ser
35 40 45

Asp Arg Asn Glu Thr His Leu Lys Met Arg Leu Thr Trp Arg Phe Phe
50 55 60

Phe Pro Asn Leu Ser Tyr Leu Asn Trp Lys Asn Asn Gln Leu Ile Leu
65 70 75 80

Cys

<210> 4523
<211> 56
<212> PRT
<213> Homo sapiens

<400> 4523
Thr Gln Val Met Gly Leu Cys Cys Thr Asp Tyr Phe Val Val His Val
1 5 10 15

Leu Ser Leu Val Pro Asn Ser Tyr Phe Phe Cys Ser Ser Pro Ser Ser
20 25 30

Tyr Pro Leu Pro Ser Ser Trp Pro Asn Val Tyr Cys Ser Leu Leu Cys
35 40 45

```
Asn Asn His Ser Asn Leu Cys Phe
     50                  55


<210> 4524
<211> 193
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (188)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (191)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (193)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4524
Gly Ala Gly Ala Ala Glu Pro Gly Pro Ala Ala Glu Leu Glu Ala Leu
  1               5                  10                  15

Leu Ser Ser Lys Asp Asp Val Gly Lys Ser Val His Glu Leu Glu Arg
             20                  25                  30

Ala Cys Arg Val Ala Glu Gln Ala Ala Asn Asp Leu Arg Ala Gln Val
         35                  40                  45

Thr Glu Leu Glu Asp Glu Leu Thr Ala Ala Glu Asp Ala Lys Leu Arg
     50                  55                  60

Leu Glu Val Thr Val Gln Ala Leu Lys Thr Gln His Glu Arg Asp Leu
 65                  70                  75                  80

Gln Gly Arg Asp Glu Ala Gly Glu Glu Arg Arg Arg Gln Leu Ala Lys
                 85                  90                  95

Gln Leu Arg Asp Ala Glu Val Glu Arg Asp Glu Glu Arg Lys Gln Arg
            100                 105                 110

Thr Leu Ala Val Ala Ala Arg Lys Lys Leu Glu Gly Glu Leu Glu Glu
        115                 120                 125
```

```
Leu Lys Ala Gln Met Ala Ser Ala Gly Gln Gly Lys Glu Glu Ala Val
    130                 135                 140

Lys Gln Leu Arg Lys Met Gln Ala Gln Met Lys Glu Leu Trp Arg Glu
145                 150                 155                 160

Val Glu Glu Thr Arg Thr Phe Arg Glu Glu Ile Phe Ser Gln Asn Arg
                165                 170                 175

Glu Ser Glu Lys Arg Leu Lys Gly Leu Lys Leu Xaa Cys Cys Xaa Cys
            180                 185                 190

Xaa
```

<210> 4525
<211> 218
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (190)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (194)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (207)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4525

```
Ala Ser Ala Ser Ile Cys Ser Gly Ile Lys Tyr Ala Phe Gln Val Ile
  1               5                  10                  15

Gly Glu Leu His Ser Gln Leu Asp Gly Ser Glu Val Leu Leu Leu Thr
             20                  25                  30

Asp Gly Glu Asp Asn Thr Ala Ser Ser Cys Ile Asp Glu Val Lys Gln
         35                  40                  45

Ser Gly Ala Ile Val His Phe Ile Ala Leu Gly Arg Ala Ala Asp Glu
     50                  55                  60

Ala Val Ile Glu Met Ser Lys Ile Thr Gly Gly Ser His Phe Tyr Val
 65                  70                  75                  80

Ser Asp Glu Ala Gln Asn Asn Gly Leu Ile Asp Ala Phe Gly Ala Xaa
                 85                  90                  95

Thr Ser Gly Asn Thr Asp Leu Ser Xaa Lys Ser Leu Gln Leu Glu Ser
            100                 105                 110

Lys Gly Leu Thr Leu Asn Ser Asn Ala Trp Met Asn Asp Thr Val Ile
        115                 120                 125

Ile Asp Ser Thr Val Gly Lys Asp Thr Phe Phe Leu Ile Thr Trp Asn
    130                 135                 140

Ser Leu Pro Pro Ser Ile Ser Leu Trp Asp Pro Ser Gly Thr Ile Met
145                 150                 155                 160

Glu Asn Phe Thr Val Asp Ala Thr Ser Lys Met Ala Tyr Leu Ser Ile
                165                 170                 175

Pro Gly Thr Xaa Lys Val Gly Thr Trp Ala Tyr Asn Leu Xaa Ala Lys
            180                 185                 190

Ala Xaa Pro Glu Thr Leu Thr Ile Thr Val Thr Ser Arg Ala Xaa Lys
        195                 200                 205

Phe Phe Cys Ala Ser Asn His Ser Glu Cys
    210                 215
```

<210> 4526
<211> 76
<212> PRT
<213> Homo sapiens

<400> 4526
Gly Ala Phe Leu Met Ala Thr Ala Ala Trp Leu Thr Thr Val Phe Lys
1 5 10 15

Gln Pro Gly Cys Ala Pro Glu Leu His Trp Ala Ser Phe His Asn Tyr
20 25 30

Gly Ser Val Ser Ile Thr Leu Ile Ser Glu Cys Gly Arg His Leu Asn
35 40 45

Lys Asn His Glu Ser His Phe Thr Asn Gln Asp Thr Gln Asp Val Arg
50 55 60

Leu Ser Asp Leu Ser Tyr Gln Gly His Lys Ala Ser
65 70 75

<210> 4527
<211> 147
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4527
Cys Phe Ser Ser Ser Gly Phe Thr Cys His Asp His Gly Ala Thr Val
1 5 10 15

Leu Gln Tyr Ala Pro Lys Gln Gln Leu Leu Ile Ser Gly Gly Arg Lys
20 25 30

Arg His Val Cys Ile Phe Asp Ile Xaa Gln Arg Gln Leu Ile His Thr
35 40 45

Phe Gln Ala His Asp Ser Ala Ile Lys Ala Leu Ala Leu Asp Pro Tyr
50 55 60

Glu Glu Tyr Phe Thr Thr Gly Ser Ala Glu Gly Asn Ile Lys Val Trp
65 70 75 80

Arg Leu Thr Gly His Gly Leu Ile His Ser Phe Lys Ser Glu His Ala
85 90 95

Lys Gln Ser Ile Phe Arg Asn Ile Gly Ala Gly Val Met Gln Ile Asp
100 105 110

Ile Ile Gln Gly Asn Arg Leu Phe Ser Cys Gly Ala Asp Gly Thr Leu

```
        115                 120                 125

Lys Thr Arg Val Leu Pro Asn Ala Phe Asn Ile Pro Asn Arg Ile Leu
    130                 135                 140

Asp Ile Leu
145
```

<210> 4528
<211> 423
<212> PRT
<213> Homo sapiens

<400> 4528

```
Pro Glu Asn Asn Gln Ile Glu Thr Met Glu Asp Leu Cys Val Ala Asn
  1               5                  10                  15

Thr Leu Phe Ala Leu Asn Leu Phe Lys His Leu Ala Lys Ala Ser Pro
             20                  25                  30

Thr Gln Asn Leu Phe Leu Ser Pro Trp Ser Ile Ser Ser Thr Met Ala
         35                  40                  45

Met Val Tyr Met Gly Ser Arg Gly Ser Thr Glu Asp Gln Met Ala Lys
     50                  55                  60

Val Leu Gln Phe Asn Glu Val Gly Ala Asn Ala Val Thr Pro Met Thr
 65                  70                  75                  80

Pro Glu Asn Phe Thr Ser Cys Gly Phe Met Gln Gln Ile Gln Lys Gly
                 85                  90                  95

Ser Tyr Pro Asp Ala Ile Leu Gln Ala Gln Ala Ala Asp Lys Ile His
            100                 105                 110

Ser Ser Phe Arg Ser Leu Ser Ser Ala Ile Asn Ala Ser Thr Gly Asn
        115                 120                 125

Tyr Leu Leu Glu Ser Val Asn Lys Leu Phe Gly Glu Lys Ser Ala Ser
    130                 135                 140

Phe Arg Glu Glu Tyr Ile Arg Leu Cys Gln Lys Tyr Tyr Ser Ser Glu
145                 150                 155                 160

Pro Gln Ala Val Asp Phe Leu Glu Cys Ala Glu Glu Ala Arg Lys Lys
                165                 170                 175

Ile Asn Ser Trp Val Lys Thr Gln Thr Lys Gly Lys Ile Pro Asn Leu
            180                 185                 190
```

```
Leu Pro Glu Gly Ser Val Asp Gly Asp Thr Arg Met Val Leu Val Asn
        195                 200                 205

Ala Val Tyr Phe Lys Gly Lys Trp Lys Thr Pro Phe Glu Lys Lys Leu
    210                 215                 220

Asn Gly Leu Tyr Pro Phe Arg Val Asn Ser Ala Gln Arg Thr Pro Val
225                 230                 235                 240

Gln Met Met Tyr Leu Arg Glu Lys Leu Asn Ile Gly Tyr Ile Glu Asp
                245                 250                 255

Leu Lys Ala Gln Ile Leu Glu Leu Pro Tyr Ala Gly Asp Val Ser Met
            260                 265                 270

Phe Leu Leu Leu Pro Asp Glu Ile Ala Asp Val Ser Thr Gly Leu Glu
        275                 280                 285

Leu Leu Glu Ser Glu Ile Thr Tyr Asp Lys Leu Asn Lys Trp Thr Ser
    290                 295                 300

Lys Asp Lys Met Ala Glu Asp Glu Val Glu Val Tyr Ile Pro Gln Phe
305                 310                 315                 320

Lys Leu Glu Glu His Tyr Glu Leu Arg Ser Ile Leu Arg Ser Met Gly
                325                 330                 335

Met Glu Asp Ala Phe Asn Lys Gly Arg Ala Asn Phe Ser Gly Met Ser
            340                 345                 350

Glu Arg Asn Asp Leu Phe Leu Ser Glu Val Phe His Gln Ala Met Val
        355                 360                 365

Asp Val Asn Glu Glu Gly Thr Glu Ala Ala Ala Gly Thr Gly Gly Val
    370                 375                 380

Met Thr Gly Arg Thr Gly His Gly Gly Pro Gln Phe Val Ala Asp His
385                 390                 395                 400

Pro Phe Leu Phe Leu Ile Met His Lys Ile Thr Asn Cys Ile Leu Phe
                405                 410                 415

Phe Gly Arg Phe Ser Ser Pro
            420
```

<210> 4529
<211> 86
<212> PRT

<213> Homo sapiens

<400> 4529

```
Thr Met Glu Gly Cys Arg Pro Thr Ser Leu Ile Thr Ile Glu Ile His
  1               5                  10                  15

Val Thr Ile Glu Pro Trp Lys Cys Ser Leu Ser Lys Leu Arg Cys Ala
             20                  25                  30

Val Ser Ile Lys Tyr Ile Pro Asp Phe Lys Asp Val Pro Lys Asn Val
         35                  40                  45

Asn Tyr Leu Asn Phe Tyr Ile Gly Glu Ile Asn Met Ser Trp Tyr Ser
     50                  55                  60

Gly Leu Asn Lys Thr Ile Leu Ala Phe Leu Ser Leu Phe Phe Cys Lys
 65                  70                  75                  80

Lys Ile Lys Asn Cys Thr
                 85
```

<210> 4530
<211> 244
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4530

```
Gly Leu Arg Arg Leu Asp Ser Ala Ser Gly Thr Val Tyr Thr Ala Met
  1               5                  10                  15

Asp Val Ala Thr Gly Gln Glu Val Ala Ile Lys Gln Met Asn Leu Gln
             20                  25                  30

Gln Gln Pro Lys Lys Glu Leu Ile Ile Asn Glu Ile Leu Val Met Arg
         35                  40                  45

Glu Asn Lys Asn Pro Asn Ile Val Asn Tyr Leu Asp Ser Tyr Leu Val
     50                  55                  60

Gly Asp Glu Leu Trp Val Val Met Glu Tyr Leu Ala Gly Gly Ser Leu
 65                  70                  75                  80

Thr Asp Val Val Thr Glu Thr Cys Met Asp Glu Gly Gln Ile Ala Ala
                 85                  90                  95
```

```
Val Cys Arg Glu Xaa Leu Gln Ala Leu Glu Phe Leu His Ser Asn Gln
            100                 105                 110

Ile Thr Pro Glu Gln Ser Lys Arg Ser Thr Met Val Gly Thr Pro Tyr
        115                 120                 125

Trp Met Ala Pro Glu Val Val Thr Arg Lys Ala Tyr Gly Pro Lys Val
    130                 135                 140

Asp Ile Trp Ser Leu Gly Ile Met Ala Ile Glu Met Ile Glu Gly Glu
145                 150                 155                 160

Pro Pro Tyr Leu Asn Glu Asn Pro Leu Arg Ala Leu Tyr Leu Ile Ala
                165                 170                 175

Thr Asn Gly Thr Pro Glu Leu Gln Asn Pro Glu Lys Leu Ser Ala Ile
            180                 185                 190

Phe Arg Asp Phe Leu Asn Arg Cys Leu Glu Met Asp Val Glu Lys Arg
        195                 200                 205

Gly Ser Ala Lys Glu Leu Leu Gln His Gln Phe Leu Lys Ile Ala Lys
    210                 215                 220

Pro Leu Ser Ser Leu Thr Pro Leu Ile Ala Ala Ala Lys Glu Ala Thr
225                 230                 235                 240

Lys Asn Asn His
```

<210> 4531
<211> 624
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (188)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (192)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4531

```
His Xaa His Ser Phe Ser Ser Gly Tyr Val Glu Met Glu Phe Glu Phe
 1               5                  10                  15

Asp Arg Leu Arg Ala Phe Gln Ala Met Gln Val His Cys Asn Asn Met
            20                  25                  30

His Thr Leu Gly Ala Arg Leu Pro Gly Gly Val Glu Cys Arg Phe Arg
        35                  40                  45

Arg Gly Pro Ala Met Ala Trp Glu Gly Glu Pro Met Arg His Asn Leu
    50                  55                  60

Gly Gly Asn Leu Gly Asp Pro Arg Ala Arg Ala Val Ser Val Pro Leu
65                  70                  75                  80

Gly Gly Arg Val Ala Arg Phe Leu Gln Cys Arg Phe Leu Phe Ala Gly
                85                  90                  95

Pro Trp Leu Leu Phe Ser Glu Ile Ser Phe Ile Ser Asp Val Val Asn
            100                 105                 110

Asn Ser Ser Pro Ala Leu Gly Gly Thr Phe Pro Pro Ala Pro Trp Trp
        115                 120                 125

Pro Pro Gly Pro Pro Pro Thr Asn Phe Ser Ser Leu Glu Leu Glu Pro
    130                 135                 140

Arg Gly Gln Gln Pro Val Ala Lys Ala Glu Gly Ser Pro Thr Ala Ile
145                 150                 155                 160

Leu Ile Gly Cys Leu Val Ala Ile Ile Leu Leu Leu Leu Leu Ile Ile
                165                 170                 175

Ala Leu Met Leu Trp Arg Leu His Trp Arg Arg Xaa Leu Ser Lys Xaa
            180                 185                 190

Glu Arg Arg Val Leu Glu Glu Glu Leu Thr Val His Leu Ser Val Pro
        195                 200                 205

Gly Asp Thr Ile Leu Ile Asn Asn Arg Pro Gly Pro Arg Glu Pro Pro
    210                 215                 220

Pro Tyr Gln Glu Pro Arg Pro Arg Gly Asn Pro Pro His Ser Ala Pro
225                 230                 235                 240

Cys Val Pro Asn Gly Ser Ala Leu Leu Leu Ser Asn Pro Ala Tyr Arg
                245                 250                 255
```

```
Leu Leu Leu Ala Thr Tyr Ala Arg Pro Pro Arg Gly Pro Gly Pro Pro
            260                 265                 270

Thr Pro Ala Trp Ala Lys Pro Thr Asn Thr Gln Ala Tyr Ser Gly Asp
        275                 280                 285

Tyr Met Glu Pro Glu Lys Pro Gly Ala Pro Leu Leu Pro Pro Pro Pro
    290                 295                 300

Gln Asn Ser Val Pro His Tyr Ala Glu Ala Asp Ile Val Thr Leu Gln
305                 310                 315                 320

Gly Val Thr Gly Gly Asn Thr Tyr Ala Val Pro Ala Leu Pro Pro Gly
                325                 330                 335

Ala Val Gly Asp Gly Pro Pro Arg Val Asp Phe Pro Arg Ser Arg Leu
            340                 345                 350

Arg Phe Lys Glu Lys Leu Gly Glu Gly Gln Phe Gly Glu Val His Leu
        355                 360                 365

Cys Glu Val Asp Ser Pro Gln Asp Leu Val Ser Leu Asp Phe Pro Leu
    370                 375                 380

Asn Val Arg Lys Gly His Pro Leu Leu Val Ala Val Lys Ile Leu Arg
385                 390                 395                 400

Pro Asp Ala Thr Lys Asn Ala Arg Asn Asp Phe Leu Lys Glu Val Lys
                405                 410                 415

Ile Met Ser Arg Leu Lys Asp Pro Asn Ile Ile Arg Leu Leu Gly Val
            420                 425                 430

Cys Val Gln Asp Asp Pro Leu Cys Met Ile Thr Asp Tyr Met Glu Asn
        435                 440                 445

Gly Asp Leu Asn Gln Phe Leu Ser Ala His Gln Leu Glu Asp Lys Ala
    450                 455                 460

Ala Glu Gly Ala Pro Gly Asp Gly Gln Ala Ala Gln Gly Pro Thr Ile
465                 470                 475                 480

Ser Tyr Pro Met Leu Leu His Val Ala Ala Gln Ile Ala Ser Gly Met
                485                 490                 495

Arg Tyr Leu Ala Thr Leu Asn Phe Val His Arg Asp Leu Ala Thr Arg
            500                 505                 510

Asn Cys Leu Val Gly Glu Asn Phe Thr Ile Lys Ile Ala Asp Phe Gly
        515                 520                 525
```

```
Met Ser Arg Asn Leu Tyr Ala Gly Asp Tyr Tyr Arg Val Gln Gly Arg
    530                 535                 540

Ala Val Leu Pro Ile Arg Trp Met Ala Trp Glu Cys Ile Leu Met Gly
545                 550                 555                 560

Lys Phe Thr Thr Ala Ser Asp Val Trp Ala Phe Gly Val Thr Leu Trp
                565                 570                 575

Glu Val Leu Met Leu Cys Arg Ala Gln Pro Phe Gly Gln Leu Thr Asp
            580                 585                 590

Glu Gln Val Ile Glu Asn Ala Gly Glu Phe Phe Arg Asp Gln Gly Arg
        595                 600                 605

Gln Val Tyr Leu Ser Arg Pro Pro Ala Cys Pro Gln Ala Tyr Met Ser
    610                 615                 620
```

<210> 4532
<211> 202
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (201)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4532

```
Xaa Gln Arg Trp Gly Gly Met Glu Ala Thr Ala Arg Lys Pro Gly Gln
  1               5                  10                  15

Gln Trp Arg Ser Ser Val Ser Pro Ser Ser Gly Leu Glu Pro Ala Glu
            20                  25                  30

Thr Ser Ala Gly Val Ser Ser Gln Gly Arg Trp Val Cys Gly Val Ser
        35                  40                  45

Arg Gly Ala Val Pro Ala Arg Val Lys Arg Lys Leu Pro Arg Val Leu
    50                  55                  60
```

```
Cys Thr Pro Thr Arg Arg Arg Pro Ser Pro Arg Gly Pro Ser Gln Pro
 65                  70                  75                  80

Asp Ala Arg Val Leu Cys Val Ser Asn Thr Arg Ser Val Pro Ala Pro
                 85                  90                  95

Arg Arg Pro Arg Cys Pro Gln Leu Glu Glu Asp Ile Ala Ala Lys Glu
            100                 105                 110

Lys Leu Leu Arg Val Ser Glu Asp Glu Arg Asp Arg Val Leu Glu Glu
        115                 120                 125

Leu His Lys Ala Glu Asp Ser Leu Leu Ala Ala Glu Glu Ala Ala Pro
    130                 135                 140

Arg Leu Lys Pro Asp Val Ala Ser Leu Asn Arg Arg Ile Gln Leu Val
145                 150                 155                 160

Glu Glu Glu Leu Asp Arg Ala Gln Glu Arg Leu Ala Thr Ala Leu Gln
                165                 170                 175

Lys Leu Glu Glu Ala Asp Lys Ala Ala Asp Glu Ser Glu Arg Gly Met
            180                 185                 190

Lys Val Ile Glu Ser Arg Ala Gln Xaa Gly
        195                 200
```

<210> 4533
<211> 397
<212> PRT
<213> Homo sapiens

<400> 4533

```
Pro Thr Arg Pro Ser Ser Val Ser Arg Arg Asp Lys Ser Lys Gln Val
  1               5                  10                  15

Trp Glu Ala Val Leu Leu Pro Leu Ser Leu Leu Ser Met Met Asp Leu
             20                  25                  30

Arg Asn Thr Pro Ala Lys Ser Leu Asp Lys Phe Ile Glu Asp Tyr Leu
         35                  40                  45

Leu Pro Asp Thr Cys Phe Arg Met Gln Ile Asn His Ala Ile Asp Ile
     50                  55                  60

Ile Cys Gly Phe Leu Lys Glu Arg Cys Phe Arg Gly Ser Ser Tyr Pro
 65                  70                  75                  80

Val Cys Val Ser Lys Val Val Lys Gly Gly Ser Ser Gly Lys Gly Thr
```

85 90 95

Thr Leu Arg Gly Arg Ser Asp Ala Asp Leu Val Val Phe Leu Ser Pro
100 105 110

Leu Thr Thr Phe Gln Asp Gln Leu Asn Arg Arg Gly Glu Phe Ile Gln
115 120 125

Glu Ile Arg Arg Gln Leu Glu Ala Cys Gln Arg Glu Arg Ala Phe Ser
130 135 140

Val Lys Phe Glu Val Gln Ala Pro Arg Trp Gly Asn Pro Arg Ala Leu
145 150 155 160

Ser Phe Val Leu Ser Ser Leu Gln Leu Gly Glu Gly Val Glu Phe Asp
165 170 175

Val Leu Pro Ala Phe Asp Ala Leu Asp Phe Ala Arg Thr Gly Gln Leu
180 185 190

Thr Gly Gly Tyr Lys Pro Asn Pro Gln Ile Tyr Val Lys Leu Ile Glu
195 200 205

Glu Cys Thr Asp Leu Gln Lys Glu Gly Glu Phe Ser Thr Cys Phe Thr
210 215 220

Glu Leu Gln Arg Asp Phe Leu Lys Gln Arg Pro Thr Lys Leu Lys Ser
225 230 235 240

Leu Ile Arg Leu Val Lys His Trp Tyr Gln Asn Cys Lys Lys Lys Leu
245 250 255

Gly Lys Leu Pro Pro Gln Tyr Ala Leu Glu Leu Leu Thr Val Tyr Ala
260 265 270

Trp Glu Arg Gly Ser Met Lys Thr His Phe Asn Thr Ala Gln Gly Phe
275 280 285

Arg Thr Val Leu Glu Leu Val Ile Asn Tyr Gln Gln Leu Cys Ile Tyr
290 295 300

Trp Thr Lys Tyr Tyr Asp Phe Lys Asn Pro Ile Ile Glu Lys Tyr Leu
305 310 315 320

Arg Arg Gln Leu Thr Lys Pro Arg Pro Val Ile Leu Asp Pro Ala Asp
325 330 335

Pro Thr Gly Asn Leu Gly Gly Gly Asp Pro Lys Gly Trp Arg Gln Leu
340 345 350

Ala Gln Glu Ala Glu Ala Trp Leu Asn Tyr Pro Cys Phe Lys Asn Trp

BNSDOCID: <WO_ _0122920A2_I >

355 360 365

Asp Gly Ser Pro Val Ser Ser Trp Ile Leu Leu Val Arg Pro Pro Ala
370 375 380

Ser Ser Leu Pro Phe Ile Pro Ala Pro Leu His Glu Ala
385 390 395

<210> 4534
<211> 262
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4534

```
Pro His Arg Ile Pro Ser Val Leu Ser Asp Leu Ser Ile Gln Ile Tyr
 1               5                  10                  15

Gln Gln Leu Xaa Lys Ile Ala Glu Gly Xaa Leu Gln Pro Met Ile Val
            20                  25                  30

Ser Ala Met Leu Glu Asn Glu Ser Ile Gln Gly Leu Ser Gly Val Lys
        35                  40                  45

Pro Thr Gly Xaa Xaa Lys Xaa Ser Ser Ser Met Ala Asp Gly Asp Asn
    50                  55                  60

Ser Tyr Xaa Leu Glu Ala Xaa Ile Arg Gln Met Asn Ala Phe His Thr
65                  70                  75                  80

Val Met Cys Asp Gln Gly Leu Asp Pro Glu Ile Ile Leu Gln Val Phe
                85                  90                  95

Lys Gln Leu Phe Tyr Met Ile Asn Ala Val Thr Leu Asn Asn Leu Leu
            100                 105                 110

Leu Arg Lys Asp Val Cys Ser Trp Ser Thr Gly Met Gln Leu Arg Tyr
        115                 120                 125

Asn Ile Ser Gln Leu Glu Glu Trp Leu Arg Gly Arg Asn Leu His Gln
    130                 135                 140

Ser Gly Ala Val Gln Thr Met Glu Pro Leu Ile Gln Ala Ala Gln Leu
145                 150                 155                 160

Leu Gln Leu Lys Lys Lys Thr Gln Glu Asp Ala Glu Ala Ile Cys Ser
                165                 170                 175

Leu Cys Thr Ser Leu Ser Thr Gln Gln Ile Val Lys Ile Leu Asn Leu
            180                 185                 190

Tyr Thr Pro Leu Asn Glu Phe Glu Glu Arg Val Thr Val Ala Phe Ile
        195                 200                 205

Arg Thr Ile Gln Ala Gln Leu Gln Glu Arg Asn Asp Pro Gln Gln Leu
    210                 215                 220

Leu Leu Asp Ala Lys His Met Phe Pro Val Leu Phe Pro Phe Asn Pro
225                 230                 235                 240

Ser Ser Leu Thr Met Asp Ser Ile His Ile Pro Ala Cys Leu Asn Leu
                245                 250                 255

Glu Phe Leu Asn Glu Val
            260
```

BNSDOCID: <WO_ 0122920A2 1 >

<210> 4535
<211> 451
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (371)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4535
Gly Met Glu Gly Ser Lys Thr Ser Asn Asn Ser Thr Met Gln Val Ser
1 5 10 15

Phe Val Cys Gln Arg Cys Ser Gln Pro Leu Lys Leu Asp Thr Ser Phe
20 25 30

Lys Ile Leu Asp Arg Val Thr Ile Gln Glu Leu Thr Ala Pro Leu Leu
35 40 45

Thr Thr Ala Gln Ala Lys Pro Gly Glu Thr Gln Glu Glu Glu Thr Asn
50 55 60

Ser Gly Glu Glu Pro Phe Ile Glu Thr Pro Arg Gln Asp Gly Val Ser
65 70 75 80

Arg Arg Phe Ile Pro Pro Ala Arg Met Met Ser Thr Glu Ser Ala Asn
85 90 95

Ser Phe Thr Leu Ile Gly Glu Ala Ser Asp Gly Gly Thr Met Glu Asn
100 105 110

Leu Ser Arg Arg Leu Lys Val Thr Gly Asp Leu Phe Asp Ile Met Ser
115 120 125

Gly Gln Thr Asp Val Asp His Pro Leu Cys Glu Glu Cys Thr Asp Thr
130 135 140

Leu Leu Asp Gln Leu Asp Thr Gln Leu Asn Val Thr Glu Asn Glu Cys
145 150 155 160

Gln Asn Tyr Lys Arg Cys Leu Glu Ile Leu Glu Gln Met Asn Glu Asp
165 170 175

Asp Ser Glu Gln Leu Gln Met Glu Leu Lys Glu Leu Ala Leu Glu Glu
180 185 190

Glu Arg Leu Ile Gln Glu Leu Glu Asp Val Glu Lys Asn Arg Lys Ile
195 200 205

Val Ala Glu Asn Leu Glu Lys Val Gln Ala Glu Ala Glu Arg Leu Asp
210 215 220

Gln Glu Glu Ala Gln Tyr Gln Arg Glu Tyr Ser Glu Phe Lys Arg Gln
225 230 235 240

Gln Leu Glu Leu Asp Asp Glu Leu Lys Ser Val Glu Asn Gln Met Arg
245 250 255

Tyr Ala Gln Thr Gln Leu Asp Lys Leu Lys Lys Thr Asn Val Phe Asn
260 265 270

Ala Thr Phe His Ile Trp His Ser Gly Gln Phe Gly Thr Ile Asn Asn
275 280 285

Phe Arg Leu Gly Arg Leu Pro Ser Val Pro Val Glu Trp Asn Glu Ile
290 295 300

Asn Ala Ala Trp Gly Gln Thr Val Leu Leu Leu His Ala Leu Ala Asn
305 310 315 320

Lys Met Gly Leu Lys Phe Gln Arg Tyr Arg Leu Val Pro Tyr Gly Asn
325 330 335

His Ser Tyr Leu Glu Ser Leu Thr Asp Lys Ser Lys Glu Leu Pro Leu
340 345 350

Tyr Cys Ser Gly Gly Leu Arg Phe Phe Trp Asp Asn Lys Phe Asp His
355 360 365

Ala Met Xaa Ala Phe Leu Asp Cys Val Gln Gln Phe Lys Glu Glu Val
370 375 380

Glu Lys Gly Glu Thr Arg Phe Cys Leu Pro Tyr Arg Met Asp Val Glu
385 390 395 400

Lys Gly Lys Ile Glu Asp Thr Gly Gly Ser Gly Gly Ser Tyr Ser Ile
405 410 415

Lys Thr Gln Phe Asn Ser Glu Glu Gln Trp Thr Lys Ala Leu Lys Phe
420 425 430

Met Leu Thr Asn Leu Lys Trp Gly Leu Ala Trp Val Ser Ser Gln Phe
435 440 445

Tyr Asn Lys
450

BNSDOCID: <WO_ _ 0122920A2 I >

<210> 4536
<211> 35
<212> PRT
<213> Homo sapiens

<400> 4536
Val Tyr Ile Arg Asp Pro Leu Val His Ser Thr Ala Asp Ile Ser Ser
1 5 10 15

Ile Phe Asn Thr Thr Val Cys Ser Lys Ala Arg Trp Ser Leu Leu Lys
20 25 30

Leu His Phe
35

<210> 4537
<211> 201
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4537
Asn Asn Cys Ser Leu Leu Trp Val Leu Leu Ala Gly Phe Arg Leu Gly
1 5 10 15

Asn Val Val His Ala Ile Gln Ala Thr Glu Gln Ser Ile His Ala Thr
20 25 30

Asp Leu Val Pro Arg Leu Cys Leu Thr Leu Ala Asn Leu Asn Arg Val
35 40 45

Ile Tyr Phe Ile Cys Asp Thr Ile Leu Trp Val Arg Ser Val Gly Leu
50 55 60

Thr Ser Gly Ile Asn Lys Glu Lys Trp Arg Thr Arg Ala Ala His His
65 70 75 80

Tyr Tyr Tyr Ser Leu Leu Leu Ser Leu Val Arg Asp Leu Tyr Glu Ile
85 90 95

Ser Leu Gln Met Lys Arg Val Thr Cys Asp Arg Ala Lys Lys Glu Lys
100 105 110

Ser Ala Ser Gln Asp Pro Leu Trp Phe Ser Val Ala Glu Glu Xaa Thr
115 120 125

Glu Trp Leu Gln Ser Phe Leu Leu Leu Leu Phe Arg Ser Leu Lys Gln
130 135 140

His Pro Pro Leu Leu Leu Asp Thr Val Lys Asn Leu Cys Asp Ile Leu
145 150 155 160

Asn Pro Leu Asp Leu Leu Gly Ile Tyr Lys Ser Asn Pro Gly Ile Ile
165 170 175

Gly Leu Gly Gly Leu Val Ser Ser Ile Ala Gly Met Ile Thr Val Ala
180 185 190

Tyr Pro Gln Met Lys Leu Lys Thr Arg
195 200

<210> 4538
<211> 70
<212> PRT
<213> Homo sapiens

<400> 4538
Ala Asp Ile Ala Gly Val Leu Ala Ile Arg Pro Asp Glu Leu Arg Phe
1 5 10 15

Arg Tyr Ser Met Val Ala Tyr Trp Arg Gln Ala Gly Leu Ser Tyr Ile
20 25 30

Arg Tyr Ser Gln Ile Cys Ala Lys Ala Val Arg Asp Ala Leu Lys Thr
35 40 45

Glu Phe Lys Ala Asn Ala Glu Lys Thr Ser Gly Ser Asn Val Lys Ile
50 55 60

Val Lys Val Lys Lys Glu
65 70

<210> 4539
<211> 72
<212> PRT
<213> Homo sapiens

<400> 4539
Ile Lys Ser Leu Asp Glu Gln Cys Val Val Gly Lys Ile Ser Lys His
1 5 10 15

Trp Thr Gly Ile Leu Arg Glu Ala Phe Thr Asp Ala Asp Asn Phe Gly

BNSDOCID: <WO_ _ 0122920A2 1 >

20 25 30

Ile Gln Phe Pro Leu Asp Leu Asp Val Lys Met Lys Ala Val Met Ile
35 40 45

Gly Ala Cys Phe Leu Ile Asp Phe Met Phe Phe Glu Ser Thr Gly Ser
50 55 60

Gln Glu Gln Lys Ser Gly Val Trp
65 70

<210> 4540
<211> 376
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (364)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (370)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (372)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (374)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4540
Ser Asn Leu Val Pro Val Asp Ile Ile Glu Ser Val Val Ser Lys Glu
1 5 10 15

Met Asp Lys Arg Tyr Leu Gln Phe Asp Ile Lys Ala Phe Val Glu Asn
20 25 30

Asn Pro Ala Ile Lys Trp Cys Pro Thr Pro Gly Cys Asp Arg Ala Val
35 40 45

Arg Leu Thr Lys Gln Gly Ser Asn Thr Ser Gly Ser Asp Thr Leu Ser
50 55 60

4111

```
Phe Pro Leu Leu Arg Ala Pro Ala Val Asp Cys Gly Lys Gly His Leu
 65                  70                  75                  80

Phe Cys Trp Glu Cys Leu Gly Glu Ala His Glu Pro Cys Asp Cys Gln
                 85                  90                  95

Thr Trp Lys Asn Trp Leu Gln Lys Ile Thr Glu Met Lys Pro Glu Glu
            100                 105                 110

Leu Val Gly Val Ser Glu Ala Tyr Glu Asp Ala Ala Asn Cys Leu Trp
        115                 120                 125

Leu Leu Thr Asn Ser Lys Pro Cys Ala Asn Cys Lys Ser Pro Ile Gln
    130                 135                 140

Lys Asn Glu Gly Cys Asn His Met Gln Cys Ala Lys Cys Lys Tyr Asp
145                 150                 155                 160

Phe Cys Trp Ile Cys Leu Glu Glu Trp Lys Lys His Ser Ser Ser Thr
                165                 170                 175

Gly Gly Tyr Tyr Arg Cys Thr Arg Tyr Glu Val Ile Gln His Val Glu
            180                 185                 190

Glu Gln Ser Lys Glu Met Thr Val Glu Ala Glu Lys Lys His Lys Arg
        195                 200                 205

Phe Gln Glu Leu Asp Arg Phe Met His Tyr Tyr Thr Arg Phe Lys Asn
    210                 215                 220

His Glu His Ser Tyr Gln Leu Glu Gln Arg Leu Leu Lys Thr Ala Lys
225                 230                 235                 240

Glu Lys Met Glu Gln Leu Ser Arg Ala Leu Lys Glu Thr Glu Gly Gly
                245                 250                 255

Cys Pro Asp Thr Thr Phe Ile Glu Asp Ala Val His Val Leu Leu Lys
            260                 265                 270

Thr Arg Arg Ile Leu Lys Cys Ser Tyr Pro Tyr Gly Phe Phe Leu Glu
        275                 280                 285

Pro Lys Ser Thr Lys Lys Glu Ile Phe Glu Leu Met Gln Thr Asp Leu
    290                 295                 300

Glu Met Val Thr Glu Asp Leu Ala Gln Lys Val Asn Arg Pro Tyr Leu
305                 310                 315                 320

Arg Thr Pro Arg His Lys Ile Ile Lys Ala Ala Cys Leu Val Gln Gln
                325                 330                 335
```

BNSDOCID: <WO _ 0122920A2 I >

```
Lys Arg Gln Glu Phe Leu Gly Ile Cys Gly Leu Gly Gly Val Ala Pro
            340                 345                 350

Ala Asp Ser Pro Glu Ala Ser Lys Ala His Phe Xaa Gly Gly Asn Met
        355                 360                 365

Gly Xaa Gly Xaa Tyr Xaa Gly Val
    370                 375
```

<210> 4541
<211> 123
<212> PRT
<213> Homo sapiens

<400> 4541

```
Ala Arg Val Lys Leu Lys Tyr Cys Phe Thr Cys Lys Met Phe Arg Pro
  1               5                  10                  15

Pro Arg Thr Ser His Cys Ser Val Cys Asp Asn Cys Val Glu Arg Phe
             20                  25                  30

Asp His His Cys Pro Trp Val Gly Asn Cys Val Gly Arg Arg Asn Tyr
         35                  40                  45

Arg Phe Phe Tyr Ala Phe Ile Leu Ser Leu Ser Phe Leu Thr Ala Phe
     50                  55                  60

Ile Phe Ala Cys Val Val Thr His Leu Thr Leu Arg Ala Gln Gly Ser
 65                  70                  75                  80

Asn Phe Leu Ser Thr Leu Lys Glu Thr Pro Ala Ser Val Leu Gly Val
                 85                  90                  95

Gly Asp Leu Leu Leu Leu His Leu Val His Ser Gly Pro Leu Arg Val
            100                 105                 110

Ser His Val Pro Arg Arg Leu Gln Pro Asp Tyr
        115                 120
```

<210> 4542
<211> 245
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (138)

BNSDOCID: <WO_ 0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (216)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (238)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (244)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4542

```
Gly Asp Thr Thr Ile Pro Leu Ser Leu Cys Leu Ser Gln Arg Pro His
  1               5                  10                  15

Leu Thr Ser Pro Lys Gly Ser Arg Cys Ser Arg His Thr Phe Ala Pro
             20                  25                  30

Ala Ala Met Thr Leu Ser Pro Leu Leu Leu Phe Leu Pro Pro Leu Leu
         35                  40                  45

Leu Leu Leu Asp Val Pro Thr Ala Ala Val Gln Ala Ser Pro Leu Gln
     50                  55                  60

Ala Leu Asp Phe Phe Gly Asn Gly Pro Pro Val Asn Tyr Lys Thr Gly
 65                  70                  75                  80

Asn Leu Tyr Leu Arg Gly Pro Leu Lys Lys Ser Asn Ala Pro Leu Val
                 85                  90                  95
```

BNSDOCID: <WO_ 0122920A2_I >

Asn Val Thr Leu Tyr Tyr Glu Ala Leu Cys Gly Gly Cys Arg Ala Phe
100 105 110

Leu Ile Arg Glu Leu Phe Pro Thr Trp Leu Leu Val Met Glu Ile Leu
115 120 125

Asn Val Thr Leu Val Pro Tyr Gly Asn Xaa Gln Glu Gln Xaa Xaa Xaa
130 135 140

Gly Arg Trp Glu Phe Lys Cys Gln His Gly Glu Glu Glu Cys Lys Phe
145 150 155 160

Asn Lys Val Glu Ala Cys Val Leu Asp Glu Leu Asp Met Glu Leu Ala
165 170 175

Phe Leu Thr Ile Val Cys Met Glu Glu Phe Glu Asp Met Glu Arg Ser
180 185 190

Leu Pro Leu Cys Cys Ser Ser Thr Pro Arg Leu Ser Gln Asn Tyr His
195 200 205

Glu Cys Ala Met Gly Arg Gly Xaa Ser His His Ala Thr Pro Arg Gln
210 215 220

Ile Ser Gln His Lys Asp Met Ser Trp Tyr Ala Met Glu Xaa Glu Ile
225 230 235 240

Thr Ser Leu Xaa Val
245

<210> 4543
<211> 197
<212> PRT
<213> Homo sapiens

<400> 4543
Tyr Trp Cys Glu Gln Cys Asp Val Gln Phe Ser Ser Ser Ser Glu Leu
1 5 10 15

Tyr Leu His Phe Gln Glu His Ser Cys Asp Glu Gln Tyr Leu Cys Gln
20 25 30

Phe Cys Glu His Glu Thr Asn Asp Pro Glu Asp Leu His Ser His Val
35 40 45

Val Asn Glu His Ala Cys Lys Leu Ile Glu Leu Ser Asp Lys Tyr Asn
50 55 60

Asn Gly Glu His Gly Gln Tyr Ser Leu Leu Ser Lys Ile Thr Phe Asp

65 70 75 80

Lys Cys Lys Asn Phe Phe Val Cys Gln Val Cys Gly Phe Arg Ser Arg
85 90 95

Leu His Thr Asn Val Asn Arg His Val Ala Ile Glu His Thr Lys Ile
100 105 110

Phe Pro His Val Cys Asp Asp Cys Gly Lys Gly Phe Ser Ser Met Leu
115 120 125

Glu Tyr Cys Lys His Leu Asn Ser His Leu Ser Glu Gly Ile Tyr Leu
130 135 140

Cys Gln Tyr Cys Glu Tyr Ser Thr Gly Gln Ile Glu Asp Leu Lys Ile
145 150 155 160

His Leu Asp Phe Lys His Ser Ala Asp Leu Pro His Lys Cys Ser Asp
165 170 175

Cys Leu Met Arg Phe Gly Asn Glu Arg Glu Leu Ile Ser His Leu Pro
180 185 190

Val His Glu Thr Thr
195

<210> 4544
<211> 272
<212> PRT
<213> Homo sapiens

<400> 4544
Gly His Ala Met Ile Asp Leu Arg Ser Asp Thr Val Thr Arg Pro Ser
1 5 10 15

Arg Ala Met Leu Glu Ala Met Met Ala Ala Pro Val Gly Asp Asp Val
20 25 30

Tyr Gly Asp Asp Pro Thr Val Asn Ala Leu Gln Asp Tyr Ala Ala Glu
35 40 45

Leu Ser Gly Lys Glu Ala Ala Ile Phe Leu Pro Thr Gly Thr Gln Ala
50 55 60

Asn Leu Val Ala Leu Leu Ser His Cys Glu Arg Gly Glu Glu Tyr Ile
65 70 75 80

Val Gly Gln Ala Ala His Asn Tyr Leu Phe Glu Ala Gly Gly Ala Ala
85 90 95

```
Val Leu Gly Ser Ile Gln Pro Gln Pro Ile Asp Ala Ala Ala Asp Gly
            100                 105                 110

Thr Leu Pro Leu Asp Lys Val Ala Met Lys Ile Lys Pro Asp Asp Ile
        115                 120                 125

His Phe Ala Arg Thr Lys Leu Leu Ser Leu Glu Asn Thr His Asn Gly
    130                 135                 140

Lys Val Leu Pro Arg Glu Tyr Leu Lys Glu Ala Trp Glu Phe Thr Arg
145                 150                 155                 160

Glu Arg Asn Leu Ala Leu His Val Asp Gly Ala Arg Ile Phe Asn Ala
                165                 170                 175

Val Val Ala Tyr Gly Cys Glu Leu Lys Glu Ile Thr Gln Tyr Cys Asp
            180                 185                 190

Ser Phe Thr Ile Cys Leu Ser Lys Gly Leu Gly Thr Pro Val Gly Ser
        195                 200                 205

Leu Leu Val Gly Asn Arg Asp Tyr Ile Lys Arg Ala Ile Arg Trp Arg
    210                 215                 220

Lys Met Thr Gly Gly Gly Met Arg Gln Ser Gly Ile Leu Ala Ala Ala
225                 230                 235                 240

Gly Ile Tyr Ala Leu Lys Asn Asn Val Ala Arg Leu Gln Glu Asp His
                245                 250                 255

Asp Asn Ala Ala Trp Met Ala Asp Ser Cys Val Lys Gln Ala Arg Met
            260                 265                 270
```

<210> 4545
<211> 21
<212> PRT
<213> Homo sapiens

<400> 4545

```
Glu Cys Lys Met Val Gln Pro Leu Trp Lys Thr Ile Trp His Ser Phe
  1               5                  10                  15

Asn Pro Ser Asn Ser
            20
```

<210> 4546
<211> 368
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (196)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4546
Arg Gln Arg Arg Lys Gly Gly Gln Glu Arg Gly Arg Arg Gly Lys Met
1 5 10 15

Ala Ala Thr Lys Arg Lys Arg Arg Gly Gly Phe Ala Val Gln Ala Lys
20 25 30

Lys Pro Lys Arg Asn Glu Ile Asp Ala Glu Pro Pro Ala Lys Arg His
35 40 45

Ala Thr Ala Glu Glu Val Glu Glu Glu Glu Arg Asp Arg Ile Pro Gly
50 55 60

Pro Val Cys Lys Gly Lys Trp Lys Asn Lys Glu Arg Ile Leu Ile Phe
65 70 75 80

Ser Ser Arg Gly Ile Asn Phe Arg Thr Arg His Leu Met Gln Asp Leu
85 90 95

Arg Met Leu Met Pro His Ser Lys Ala Asp Thr Lys Met Asp Arg Lys
100 105 110

Asp Lys Leu Phe Val Ile Asn Glu Val Cys Glu Met Lys Asn Cys Asn
115 120 125

Lys Cys Ile Tyr Phe Glu Ala Lys Lys Lys Gln Asp Leu Tyr Met Trp
130 135 140

Leu Ser Asn Ser Pro His Gly Pro Ser Ala Lys Phe Leu Val Gln Asn
145 150 155 160

Ile His Thr Leu Ala Glu Leu Lys Met Thr Gly Asn Cys Leu Lys Gly
165 170 175

Ser Arg Pro Leu Leu Ser Phe Asp Pro Ala Phe Asp Glu Leu Pro His
180 185 190

Tyr Ala Leu Xaa Lys Glu Leu Leu Ile Gln Ile Phe Ser Thr Pro Arg
195 200 205

```
Tyr His Pro Lys Ser Gln Pro Phe Val Asp His Val Phe Thr Phe Thr
    210                 215                 220

Ile Leu Asp Asn Arg Ile Trp Phe Arg Asn Phe Gln Ile Ile Glu Glu
225                 230                 235                 240

Asp Ala Ala Leu Val Glu Ile Gly Pro Arg Phe Val Leu Asn Leu Ile
                245                 250                 255

Lys Ile Phe Gln Gly Ser Phe Gly Gly Pro Thr Leu Tyr Glu Asn Pro
            260                 265                 270

His Tyr Gln Ser Pro Asn Met His Arg Arg Val Ile Arg Ser Ile Thr
        275                 280                 285

Ala Ala Lys Tyr Arg Glu Lys Gln Gln Val Lys Asp Val Gln Lys Leu
    290                 295                 300

Arg Lys Lys Glu Pro Lys Thr Leu Leu Pro His Asp Pro Thr Ala Asp
305                 310                 315                 320

Val Phe Val Thr Pro Ala Glu Glu Lys Pro Ile Glu Ile Gln Trp Val
                325                 330                 335

Lys Pro Glu Pro Lys Val Asp Leu Lys Ala Arg Lys Lys Arg Ile Tyr
            340                 345                 350

Lys Arg Gln Arg Lys Met Lys Gln Arg Met Asp Ser Gly Lys Thr Lys
        355                 360                 365
```

<210> 4547
<211> 565
<212> PRT
<213> Homo sapiens

<400> 4547

```
Ile Pro Gly Ser Thr His Ala Ser Ala Gly Asn Leu Asp Ser Pro Glu
  1               5                  10                  15

Gly Gly Phe Asp Ala Ile Met Gln Val Ala Val Cys Gly Ser Leu Ile
            20                  25                  30

Gly Trp Arg Asn Val Thr Arg Leu Leu Val Phe Ser Thr Asp Ala Gly
        35                  40                  45
```

```
Phe His Phe Ala Gly Asp Gly Lys Leu Gly Gly Ile Val Leu Pro Asn
     50                  55                  60

Asp Gly Gln Cys His Leu Glu Asn Asn Met Tyr Thr Met Ser His Tyr
 65                  70                  75                  80

Tyr Asp Tyr Pro Ser Ile Ala His Leu Val Gln Lys Leu Ser Glu Asn
                 85                  90                  95

Asn Ile Gln Thr Ile Phe Ala Val Thr Glu Glu Phe Gln Pro Val Tyr
            100                 105                 110

Lys Glu Leu Lys Asn Leu Ile Pro Lys Ser Ala Val Gly Thr Leu Ser
        115                 120                 125

Ala Asn Ser Ser Asn Val Ile Gln Leu Ile Ile Asp Ala Tyr Asn Ser
    130                 135                 140

Leu Ser Ser Glu Val Ile Leu Glu Asn Gly Lys Leu Ser Glu Gly Val
145                 150                 155                 160

Thr Ile Ser Tyr Lys Ser Tyr Cys Lys Asn Gly Val Asn Gly Thr Gly
                165                 170                 175

Glu Asn Gly Arg Lys Cys Ser Asn Ile Ser Ile Gly Asp Glu Val Gln
            180                 185                 190

Phe Glu Ile Ser Ile Thr Ser Asn Lys Cys Pro Lys Lys Asp Ser Asp
        195                 200                 205

Ser Phe Lys Ile Arg Pro Leu Gly Phe Thr Glu Glu Val Glu Val Ile
    210                 215                 220

Leu Gln Tyr Ile Cys Glu Cys Glu Cys Gln Ser Glu Gly Ile Pro Glu
225                 230                 235                 240

Ser Pro Lys Cys His Glu Gly Asn Gly Thr Phe Glu Cys Gly Ala Cys
                245                 250                 255

Arg Cys Asn Glu Gly Arg Val Gly Arg His Cys Glu Cys Ser Thr Asp
            260                 265                 270

Glu Val Asn Ser Glu Asp Met Asp Ala Tyr Cys Arg Lys Glu Asn Ser
        275                 280                 285

Ser Glu Ile Cys Ser Asn Asn Gly Glu Cys Val Cys Gly Gln Cys Val
    290                 295                 300

Cys Arg Lys Arg Asp Asn Thr Asn Glu Ile Tyr Ser Gly Lys Phe Cys
305                 310                 315                 320
```

BNSDOCID: <WO... 0122920A2 I >

Glu Cys Asp Asn Phe Asn Cys Asp Arg Ser Asn Gly Leu Ile Cys Gly
325 330 335

Gly Asn Gly Val Cys Lys Cys Arg Val Cys Glu Cys Asn Pro Asn Tyr
340 345 350

Thr Gly Ser Ala Cys Asp Cys Ser Leu Asp Thr Ser Thr Cys Glu Ala
355 360 365

Ser Asn Gly Gln Ile Cys Asn Gly Arg Gly Ile Cys Glu Cys Gly Val
370 375 380

Cys Lys Cys Thr Asp Pro Lys Phe Gln Gly Gln Thr Cys Glu Met Cys
385 390 395 400

Gln Thr Cys Leu Gly Val Cys Ala Glu His Lys Glu Cys Val Gln Cys
405 410 415

Arg Ala Phe Asn Lys Gly Glu Lys Lys Asp Thr Cys Thr Gln Glu Cys
420 425 430

Ser Tyr Phe Asn Ile Thr Lys Val Glu Ser Arg Asp Lys Leu Pro Gln
435 440 445

Pro Val Gln Pro Asp Pro Val Ser His Cys Lys Glu Lys Asp Val Asp
450 455 460

Asp Cys Trp Phe Tyr Phe Thr Tyr Ser Val Asn Gly Asn Asn Glu Val
465 470 475 480

Met Val His Val Val Glu Asn Pro Glu Cys Pro Thr Gly Pro Asp Ile
485 490 495

Ile Pro Ile Val Ala Gly Val Val Ala Gly Ile Val Leu Ile Gly Leu
500 505 510

Ala Leu Leu Leu Ile Trp Lys Leu Leu Met Ile Ile His Asp Arg Arg
515 520 525

Glu Phe Ala Lys Phe Glu Lys Glu Lys Met Asn Ala Lys Trp Asp Thr
530 535 540

Gly Glu Asn Pro Ile Tyr Lys Ser Ala Val Thr Thr Val Val Asn Pro
545 550 555 560

Lys Tyr Glu Gly Lys
565

<210> 4548

<211> 60
<212> PRT
<213> Homo sapiens

<400> 4548
Val Thr Ser Lys Thr Gln Val Gly Leu Phe Lys Phe Leu Lys Phe Glu
1 5 10 15

Ile Phe Tyr Leu Gln Lys Ile Val Leu Cys Phe Ile Ile Ser Gln Met
20 25 30

Ser Val Arg Phe Leu Ser Thr Asn Asp His Ala Ser Ile Phe Phe Ser
35 40 45

Phe Lys Pro Pro Asn Gln Tyr Phe Ser Phe Lys Phe
50 55 60

<210> 4549
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4549
Thr Arg His Lys Ala Gln Leu Ile Phe Val Phe Leu Val Glu Thr Gly
1 5 10 15

Phe Asp Tyr Val Gly Gln Ala Gly Leu Lys Leu Leu Thr Ser Ser Asp
20 25 30

Pro Pro Ala Ser Ala Ser Gln Arg Xaa Gly Thr Ile Asp Met Ser His
35 40 45

Arg Ala Trp Pro Ser
50

<210> 4550
<211> 166
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4550

```
Ala Gln Xaa Leu Ser Ser Pro Val Arg Gly Ile Ser Gly Glu Gln Ser
  1               5                  10                  15

Thr Xaa Gly Ser Phe Pro Leu Arg Tyr Val Gln Asp Gln Val Ala Ala
             20                  25                  30

Pro Phe Gln Leu Ser Asn His Thr Gly Arg Ile Lys Val Val Phe Thr
         35                  40                  45

Pro Ser Ile Cys Lys Val Thr Cys Thr Lys Gly Ser Cys Gln Asn Ser
     50                  55                  60

Cys Glu Lys Gly Asn Thr Thr Thr Leu Ile Ser Glu Asn Gly His Ala
 65                  70                  75                  80

Ala Asp Thr Leu Thr Ala Thr Asn Phe Arg Val Val Ile Cys His Leu
                 85                  90                  95

Pro Cys Met Asn Gly Gly Gln Cys Ser Ser Arg Asp Lys Cys Gln Cys
            100                 105                 110

Pro Pro Asn Phe Thr Gly Lys Leu Cys Gln Ile Pro Val His Gly Ala
        115                 120                 125

Ser Val Xaa Lys Leu Tyr Gln His Ser Gln Gln Pro Gly Lys Ala Leu
    130                 135                 140

Gly Thr His Val Ile His Ser Thr His Thr Leu Pro Leu Thr Val Thr
145                 150                 155                 160

Ser Gln Gln Glu Ser Lys
                165
```

<210> 4551
<211> 60

<212> PRT
<213> Homo sapiens

<400> 4551
Cys Val Pro Ser Thr Ser Ser Pro Gly Ile Ile Leu Ser Leu Ala Leu
1 5 10 15

Ala Gly Ile Leu Gly Ile Cys Ile Val Val Val Val Ser Ile Trp Leu
20 25 30

Phe Arg Arg Lys Ser Ile Lys Lys Gly Asp Asn Lys Gly Val Ile Tyr
35 40 45

Lys Pro Ala Thr Lys Met Glu Thr Glu Ala His Ala
50 55 60

<210> 4552
<211> 99
<212> PRT
<213> Homo sapiens

<400> 4552
His Cys Ile Leu Met Leu Phe Glu Asn Ala Ile Tyr Ile Val Lys Lys
1 5 10 15

Arg Ala Gly Ala Pro Ala Ala Leu Val Pro Trp Gly Ser His Pro Ser
20 25 30

Pro Gly Gly Leu Leu Gly Gly Leu Arg Arg Trp Ala Thr Glu Gly Gln
35 40 45

Ala Gly Ala Ala His Ser Pro His Glu Gly Ile Ser Val Ser Tyr Ser
50 55 60

Val Gln Arg Arg Gly Lys Thr Gln Cys Pro Gly Phe Ser Pro Pro Glu
65 70 75 80

Met Lys Asp Thr Leu Tyr Phe Leu Pro Asn Val Pro Ala Ser Arg Phe
85 90 95

Ile Met Asn

<210> 4553
<211> 73
<212> PRT
<213> Homo sapiens

<400> 4553
Gly Gly Trp Phe Tyr Pro Phe Cys Leu Leu Phe Gly Thr Gln Leu Val
1 5 10 15

Phe Phe Gly Leu Leu Ser Ser Gly Ser Arg Ala Val Leu Ser Asn Thr
20 25 30

Val Thr Thr Cys Gly Cys Leu Lys Leu Ser Gln Leu Lys Ser His Lys
35 40 45

Ile Lys Asn Ser Phe Leu Ser Cys Thr Asn His Val Ser Arg Gly Val
50 55 60

Thr Val Cys Ser Ser Trp Leu Leu Tyr
65 70

<210> 4554
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4554
Cys Leu Cys Leu His Cys Pro Ser Ser Tyr Leu Phe Cys Ser Met Ser
1 5 10 15

His Ser Tyr Lys Lys Ala Ile Ser Asp Glu Ala Leu Arg Xaa Phe Gln
20 25 30

Met Asp Tyr Phe Gly Gly Leu Xaa Pro Gly Gln Tyr Ala Thr Arg Met
35 40 45

Thr Gly Gln Val His Gly Ser Gly Cys His Leu Arg Ser Ala Pro Cys
50 55 60

Asp Leu Gly Ala Ser Gln Arg Asn Tyr Pro Val Ile Ser Leu Lys Ser
65 70 75 80

Met Leu Val Cys Phe Pro Lys Ala Asn Gln Gln Leu Ile Gln Thr Leu
85 90 95

Gly Pro Gln Ser Arg Trp Asn Asn Gly Arg Arg Leu Pro Glu Cys Gln
100 105 110

Val Leu Gln Asp Glu Leu Lys Xaa Arg Val Val Gly Arg Xaa Val Gly
115 120 125

Gly Lys Gly Pro Cys Pro Asp Xaa Cys Xaa Pro Cys Ile Tyr
130 135 140

<210> 4555
<211> 301
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (265)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (271)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4555
Gly Thr Ser Val Cys Arg Arg Val Glu Lys Asn Trp Gly Ala Val Val
1 5 10 15

Arg Ser Pro Glu Gly Thr Pro Gln Lys Ile Arg Gln Leu Ile Asp Glu
20 25 30

Gly Ile Ala Pro Glu Glu Gly Gly Val Asp Ala Lys Asp Thr Ser Ala
35 40 45

Thr Ser Gln Ser Val Asn Gly Ser Pro Gln Ala Glu Gln Pro Ser Leu
50 55 60

Glu Ser Thr Ser Lys Glu Ala Phe Phe Ser Arg Val Glu Thr Phe Ser
65 70 75 80

Ser Leu Lys Trp Ala Gly Lys Pro Phe Glu Leu Ser Pro Leu Val Cys
85 90 95

Ala Lys Tyr Gly Trp Val Thr Val Glu Cys Asp Met Leu Lys Cys Ser
100 105 110

Ser Cys Gln Ala Phe Leu Cys Ala Ser Leu Gln Pro Ala Phe Asp Phe
115 120 125

Asp Arg Tyr Lys Gln Arg Cys Ala Glu Leu Lys Lys Ala Leu Cys Thr
130 135 140

Ala His Glu Lys Phe Cys Phe Trp Pro Asp Ser Pro Ser Pro Asp Arg
145 150 155 160

Phe Gly Met Leu Pro Leu Asp Glu Pro Ala Ile Leu Val Ser Glu Phe
165 170 175

Leu Asp Arg Phe Gln Ser Leu Cys His Leu Asp Leu Gln Leu Pro Ser
180 185 190

Leu Arg Pro Glu Asp Leu Lys Thr Met Cys Leu Thr Glu Asp Lys Ile
195 200 205

Ser Leu Leu Leu His Leu Leu Glu Asp Glu Leu Asp His Arg Thr Asp
210 215 220

Glu Arg Lys Thr Thr Ile Lys Leu Gly Ser Asp Ile Gln Val His Val
225 230 235 240

Thr Ala Cys Ile Leu Ser Val Cys Gly Trp Ala Cys Ser Ser Ser Leu
245 250 255

Glu Ser Met Gln Leu Ser Leu Ile Xaa Cys Ser Gln Cys Met Xaa Lys
260 265 270

Val Gly Leu Trp Gly Phe Gln Gln Ile Glu Ser Ser Met Thr Asp Leu
275 280 285

BNSDOCID: <WO__ 0122920A2 I_>

```
Asp Ala Ser Leu Pro Asp Gln Leu Pro Asn Pro Arg Pro
    290                 295                 300



<210> 4556
<211> 163
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4556
Xaa Glu Pro Lys Pro Ser Val Glu Pro Val Lys Ser Ile Ser Ser Met
  1               5                  10                  15

Glu Leu Lys Thr Glu Pro Phe Asp Asp Phe Leu Phe Pro Ala Ser Ser
             20                  25                  30

Arg Pro Ser Gly Ser Glu Thr Ala Arg Ser Val Pro Asp Met Asp Leu
         35                  40                  45

Ser Gly Ser Phe Tyr Ala Ala Asp Trp Glu Pro Leu His Ser Gly Ser
     50                  55                  60

Leu Gly Met Gly Pro Met Ala Gln Ser Trp Ser Pro Cys Ala Leu Arg
 65                  70                  75                  80

Trp Ser Pro Val Leu Pro Ala Ala Leu Leu Thr Arg Leu Pro Ser Ser
                 85                  90                  95

Ser Pro Thr Pro Arg Leu Thr Pro Ser Pro Ala Val Gln Leu Pro Thr
            100                 105                 110

Ala Arg Ala Ala Ala Ala Met Ser Leu Pro Leu Thr Arg Ser Ala His
        115                 120                 125

Pro Arg Cys Trp Pro Cys Glu Gly Ala Gly Lys Gly Arg Gln Pro Ala
    130                 135                 140

Pro Thr Ser Ala Thr Ala Arg Ala Gly Ala Leu Gln Arg Gly Glu Thr
145                 150                 155                 160

His Leu Pro
```

BNSDOCID: <WO 0122920A2 I_ >

<210> 4557
<211> 89
<212> PRT
<213> Homo sapiens

<400> 4557
Gln Thr Ala Ser Val Trp Pro Cys Pro His Ser Tyr Met Ser Leu Ser
1 5 10 15

Thr Ser Thr Ser Leu Arg Ser Leu Thr Ser Arg Trp Thr Leu Tyr Ser
20 25 30

His Val His Leu Ile Pro Asp Glu Leu Trp Ser Tyr Leu Asp Ala Gln
35 40 45

Ile Arg Gly Phe Tyr Leu Ser Ile Gln Cys Ser Leu Arg Phe Gln Asp
50 55 60

Ile Ser Pro Gln Ala Leu Gly Phe Thr Leu Gly Ile Arg Arg Leu His
65 70 75 80

Val Ser Leu Glu Met Thr Cys Lys Ile
85

<210> 4558
<211> 353
<212> PRT
<213> Homo sapiens

<400> 4558
Gly Ser Leu Asp Leu Trp Arg Gly Ala Glu Leu Ser Pro Gly His Ser
1 5 10 15

Thr Leu Phe Thr Leu Cys Ala Cys Ala Lys Gly Ala Met Ala Ala Ser
20 25 30

Cys Val Leu Leu His Thr Gly Gln Lys Met Pro Leu Ile Gly Leu Gly
35 40 45

Thr Trp Lys Ser Glu Pro Gly Gln Val Lys Ala Ala Val Lys Tyr Ala
50 55 60

Leu Ser Val Gly Tyr Arg His Ile Asp Cys Ala Ala Ile Tyr Gly Asn
65 70 75 80

Glu Pro Glu Ile Gly Glu Ala Leu Lys Glu Asp Val Gly Pro Gly Lys
85 90 95

Ala Val Pro Arg Glu Glu Leu Phe Val Thr Ser Lys Leu Trp Asn Thr
100 105 110

Lys His His Pro Glu Asp Val Glu Pro Ala Leu Arg Lys Thr Leu Ala
115 120 125

Asp Leu Gln Leu Glu Tyr Leu Asp Leu Tyr Leu Met His Trp Pro Tyr
130 135 140

Ala Phe Glu Arg Gly Asp Asn Pro Phe Pro Lys Asn Ala Asp Gly Thr
145 150 155 160

Ile Cys Tyr Asp Ser Thr His Tyr Lys Glu Thr Trp Lys Ala Leu Glu
165 170 175

Ala Leu Val Ala Lys Gly Leu Val Gln Ala Leu Gly Leu Ser Asn Phe
180 185 190

Asn Ser Arg Gln Ile Asp Asp Ile Leu Ser Val Ala Ser Val Arg Pro
195 200 205

Ala Val Leu Gln Val Glu Cys His Pro Tyr Leu Ala Gln Asn Glu Leu
210 215 220

Ile Ala His Cys Gln Ala Arg Gly Leu Glu Val Thr Ala Tyr Ser Pro
225 230 235 240

Leu Gly Ser Ser Asp Arg Ala Trp Arg Asp Pro Asp Glu Pro Val Leu
245 250 255

Leu Glu Glu Pro Val Val Leu Ala Leu Ala Glu Lys Tyr Gly Arg Ser
260 265 270

Pro Ala Gln Ile Leu Leu Arg Trp Gln Val Gln Arg Lys Val Ile Cys
275 280 285

Ile Pro Lys Ser Ile Thr Pro Ser Arg Ile Leu Gln Asn Ile Lys Val
290 295 300

Phe Asp Phe Thr Phe Ser Pro Glu Glu Met Lys Gln Leu Asn Ala Leu
305 310 315 320

Asn Lys Asn Trp Arg Tyr Ile Val Pro Met Leu Thr Val Asp Gly Lys
325 330 335

Arg Val Pro Arg Asp Ala Gly His Pro Leu Tyr Pro Phe Asn Asp Pro
340 345 350

Tyr

BNSDOCID: <WO_ 0122920A2_I_>

<210> 4559
<211> 275
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (271)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (272)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (273)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4559
Gly Arg Val Gly Gly Arg Val Gly Pro Arg Asp Pro Lys Ala Pro Gly
1 5 10 15

Gln Phe Gly Arg Pro Val Val Val Pro His Gly Lys Glu Lys Glu Ala
20 25 30

Glu Arg Arg Trp Lys Glu Gly Asn Phe Asn Val Tyr Leu Ser Asp Leu
35 40 45

Ile Pro Val Asp Arg Ala Ile Glu Asp Thr Arg Pro Ala Gly Cys Ala
50 55 60

Glu Gln Leu Val His Asn Asn Leu Pro Thr Thr Ser Val Ile Met Cys
65 70 75 80

Phe Val Asp Glu Val Trp Ser Thr Leu Leu Arg Ser Val His Ser Val
85 90 95

Ile Asn Arg Ser Pro Pro His Leu Ile Lys Glu Ile Leu Leu Val Asp
100 105 110

Asp Phe Ser Thr Lys Asp Tyr Leu Lys Asp Asn Leu Asp Lys Tyr Met
115 120 125

Ser Gln Phe Pro Lys Val Arg Ile Leu Arg Leu Lys Glu Arg His Gly
130 135 140

Leu Ile Arg Ala Arg Leu Ala Gly Ala Gln Asn Ala Thr Gly Asp Val

BNSDOCID: <WO__ 0122920A2 I_>

145 150 155 160

Leu Thr Phe Leu Asp Ser His Val Glu Cys Asn Val Gly Trp Leu Glu
165 170 175

Pro Leu Leu Glu Arg Val Tyr Leu Ser Arg Lys Lys Val Ala Cys Pro
180 185 190

Val Ile Glu Val Ile Asn Asp Lys Asp Met Ser Tyr Met Thr Val Asp
195 200 205

Asn Phe Gln Arg Gly Ile Phe Val Trp Pro Met Asn Phe Gly Trp Arg
210 215 220

Thr Ile Pro Pro Asp Val Ile Ala Lys Asn Arg Ile Lys Glu Thr Asp
225 230 235 240

Thr Ile Arg Cys Pro Val Met Ala Gly Gly Ile Gly Phe Tyr Cys Gln
245 250 255

Lys Leu Leu Phe Leu Asn Leu Glu His Thr Asn Pro Trp Pro Xaa Xaa
260 265 270

Xaa Trp Gly
275

<210> 4560
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4560
Ala His Leu Ala Ala Ser Leu Pro Leu Gln Ala Gln Pro Ser Ala Met
1 5 10 15

Ala Cys Pro Leu Asp Gln Ala Ile Gly Leu Leu Val Ala Ile Phe His
20 25 30

Lys Tyr Ser Gly Arg Glu Gly Asp Lys His Thr Leu Ser Lys Lys Glu
35 40 45

Leu Lys Glu Leu Ile Gln Lys Glu Leu Thr Xaa Gly Ser Lys Leu Gln
50 55 60

BNSDOCID: <WO_ 0122920A2 I_ >

```
Asp Ala Glu Ile Ala Arg Leu Met Glu Asp Leu Asp Arg Asn Lys Asp
 65                  70                  75                  80

Gln Glu Val Asn Phe Gln Glu Tyr Val Thr Phe Leu Gly Ala Leu Ala
                85                  90                  95

Leu Ile Tyr Asn Glu Ala Leu Lys Gly
            100                 105
```

<210> 4561
<211> 176
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4561

```
Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Ala Ala Ala
  1               5                  10                  15

Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Ala
             20                  25                  30

Gly His Glu Lys Leu Pro Val His Val Glu Asp Ala Leu Thr Tyr Leu
         35                  40                  45

Asp Gln Val Lys Ile Arg Phe Gly Ser Asp Pro Ala Thr Tyr Asn Gly
     50                  55                  60

Phe Leu Glu Ile Met Lys Glu Phe Lys Ser Gln Ser Ile Asp Thr Pro
 65                  70                  75                  80

Gly Val Ile Arg Arg Val Ser Gln Leu Phe His Glu His Pro Asp Leu
                85                  90                  95

Ile Val Gly Phe Asn Ala Phe Leu Pro Leu Gly Tyr Arg Ile Asp Ile
            100                 105                 110

Pro Lys Asn Gly Lys Leu Asn Ile Gln Ser Pro Leu Thr Ser Gln Glu
        115                 120                 125

Asn Ser His Asn His Gly Asp Gly Ala Glu Asp Phe Lys Gln Gln Val
    130                 135                 140

Pro Xaa Lys Glu Asp Lys Pro Gln Val Pro Leu Glu Ser Asp Ser Val
145                 150                 155                 160
```

BNSDOCID: <WO__ 0122920A2_I_>

Glu Phe Asn Asn Ala Ile Ser Tyr Val Asn Lys Ile Lys Thr Arg Phe
165 170 175

<210> 4562
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4562
His Glu Xaa Arg Glu His Ala Gly Pro Lys Met Ala Ala Ser Arg Tyr
1 5 10 15

Arg Arg Phe Leu Lys Leu Cys Glu Glu Trp Pro Val Asp Glu Thr Lys
20 25 30

Arg Gly Arg Asp Leu Gly Ala Tyr Leu Arg Gln Arg Val Ala Gln Ala
35 40 45

Phe Arg Glu Gly Glu Asn Thr Gln Val Ala Glu Pro Glu Ala Cys Asp
50 55 60

Gln Met Tyr Glu Ser Leu Ala Arg Leu His Ser Asn Tyr Tyr Lys His
65 70 75 80

Lys Tyr Pro Arg Pro Arg Asp Thr Ser Phe Ser Gly Leu Ser Leu Glu
85 90 95

Glu Tyr Lys Leu Ile Leu Ser Thr Asp Thr Leu Glu Glu Leu Lys Glu
100 105 110

Ile Asp Lys Gly Met Trp Lys Lys Leu Gln Glu Lys Phe Ala Pro Lys
115 120 125

Gly Pro Glu Glu Asp His Lys Ala
130 135

<210> 4563
<211> 283

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4563

```
Lys Arg Lys Ile Met Ile Lys Arg His Glu Val Glu Gln Gln Asn Ile
  1               5                  10                  15

Arg Glu Glu Leu Asn Lys Lys Arg Thr Gln Lys Glu Met Glu His Ala
             20                  25                  30

Met Leu Ile Arg His Asp Glu Ser Xaa Arg Glu Leu Glu Tyr Arg Gln
         35                  40                  45

Leu His Thr Leu Gln Lys Leu Arg Met Asp Leu Ile Arg Leu Gln His
     50                  55                  60

Gln Thr Glu Leu Glu Asn Gln Leu Glu Tyr Asn Lys Arg Arg Glu Arg
 65                  70                  75                  80

Glu Leu His Arg Lys His Val Met Glu Leu Arg Gln Gln Pro Lys Asn
                 85                  90                  95

Leu Lys Ala Met Xaa Met Gln Ile Lys Lys Gln Phe Gln Asp Thr Cys
            100                 105                 110

Lys Val Gln Thr Lys Gln Tyr Lys Ala Leu Lys Asn His Gln Leu Glu
        115                 120                 125

Val Thr Pro Lys Asn Glu His Lys Thr Ile Leu Lys Thr Leu Lys Asp
    130                 135                 140

Glu Gln Thr Arg Lys Leu Ala Ile Leu Ala Glu Gln Tyr Glu Gln Ser
145                 150                 155                 160

Ile Asn Glu Met Met Ala Ser Gln Ala Leu Arg Leu Asp Glu Ala Gln
                165                 170                 175

Glu Ala Glu Cys Gln Ala Leu Arg Leu Gln Leu Gln Gln Glu Met Glu
            180                 185                 190

Leu Leu Asn Ala Tyr Gln Ser Lys Ile Lys Met Gln Thr Glu Ala Gln
```

BNSDOCID: <WO_ . 0122920A2_I_>

195 200 205

His Glu Arg Glu Leu Gln Lys Leu Glu Gln Arg Val Ser Leu Arg Arg
210 215 220

Ala His Leu Glu Gln Lys Ile Glu Glu Glu Leu Ala Ala Leu Gln Lys
225 230 235 240

Glu Arg Ser Glu Arg Ile Lys Asn Leu Leu Glu Arg Gln Glu Arg Glu
245 250 255

Ile Glu Thr Phe Asp Met Glu Ser Leu Arg Met Gly Phe Gly Asn Leu
260 265 270

Val Thr Leu Asp Phe Pro Lys Glu Asp Tyr Arg
275 280

<210> 4564
<211> 465
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (203)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (460)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (461)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4564
Lys Asn Met Glu Thr Glu Gln Pro Glu Glu Thr Phe Pro Asn Thr Glu
1 5 10 15

Thr Asn Gly Glu Phe Gly Lys Arg Pro Ala Glu Asp Met Glu Glu Glu
20 25 30

Gln Ala Phe Lys Arg Ser Arg Asn Thr Asp Glu Met Val Glu Leu Arg
35 40 45

Ile Leu Leu Gln Ser Lys Asn Ala Gly Ala Val Ile Gly Lys Gly Gly
50 55 60

Lys Asn Ile Lys Ala Leu Arg Thr Asp Tyr Asn Ala Ser Val Ser Val
65 70 75 80

Pro Asp Ser Ser Gly Pro Glu Arg Ile Leu Ser Ile Ser Ala Asp Ile
85 90 95

Glu Thr Ile Gly Glu Ile Leu Lys Lys Ile Ile Pro Thr Leu Glu Glu
100 105 110

Gly Leu Gln Leu Pro Ser Pro Thr Ala Thr Ser Gln Leu Pro Leu Glu
115 120 125

Ser Asp Ala Val Glu Cys Leu Asn Tyr Gln His Tyr Lys Gly Ser Asp
130 135 140

Phe Asp Cys Glu Leu Arg Leu Leu Ile His Gln Ser Leu Ala Gly Gly
145 150 155 160

Ile Ile Gly Val Lys Gly Ala Lys Ile Lys Glu Leu Arg Glu Asn Thr
165 170 175

Gln Thr Thr Ile Lys Leu Phe Gln Glu Cys Cys Pro His Ser Thr Asp
180 185 190

Arg Val Val Leu Ile Gly Gly Lys Pro Asp Xaa Val Val Glu Cys Ile
195 200 205

Lys Ile Ile Leu Asp Leu Ile Ser Glu Ser Pro Ile Lys Gly Arg Ala
210 215 220

Gln Pro Tyr Asp Pro Asn Phe Tyr Asp Glu Thr Tyr Asp Tyr Gly Gly
225 230 235 240

Phe Thr Met Met Phe Asp Asp Arg Arg Gly Arg Pro Val Gly Phe Pro
245 250 255

Met Arg Gly Arg Gly Gly Phe Asp Arg Met Pro Pro Gly Arg Gly Gly
260 265 270

Arg Pro Met Pro Pro Ser Arg Arg Asp Tyr Asp Asp Met Ser Pro Arg
275 280 285

Arg Gly Pro Pro Pro Pro Pro Pro Gly Arg Gly Gly Arg Gly Gly Ser
290 295 300

Arg Ala Arg Asn Leu Pro Leu Pro Pro Pro Pro Pro Pro Arg Gly Gly
305 310 315 320

Asp Leu Met Ala Tyr Asp Arg Arg Gly Arg Pro Gly Asp Arg Tyr Asp
325 330 335

```
Gly Met Val Gly Phe Ser Ala Asp Glu Thr Trp Asp Ser Ala Ile Asp
            340                 345                 350

Thr Trp Ser Pro Ser Glu Trp Gln Met Ala Tyr Glu Pro Gln Gly Gly
        355                 360                 365

Ser Gly Tyr Asp Tyr Ser Tyr Ala Gly Gly Arg Gly Ser Tyr Gly Asp
    370                 375                 380

Leu Gly Gly Pro Ile Ile Thr Thr Gln Val Thr Ile Pro Lys Asp Leu
385                 390                 395                 400

Ala Gly Ser Ile Ile Gly Lys Gly Gly Gln Arg Ile Lys Gln Ile Arg
                405                 410                 415

His Glu Ser Gly Ala Ser Ile Lys Ile Asp Glu Pro Leu Glu Gly Ser
            420                 425                 430

Glu Asp Arg Ile Ile Thr Ile Thr Gly Thr Gln Asp Gln Ile Gln Asn
        435                 440                 445

Ala Gln Tyr Leu Leu Gln Asn Ser Val Ser Ser Xaa Xaa Leu Ala Leu
    450                 455                 460

Cys
465
```

<210> 4565
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4565

```
Gln Leu Gly Pro Val Val Gly Gly Trp Tyr Lys Val Leu Asp Arg Phe
  1               5                  10                  15

Ile Pro Gly Thr Thr Lys Val Asp Ala Leu Lys Lys Met Leu Leu Asp
            20                  25                  30

Gln Gly Gly Phe Ala Pro Cys Phe Leu Gly Cys Phe Leu Pro Leu Val
        35                  40                  45

Gly Ala Leu Asn Gly Leu Ser Ala Gln Asp Asn Trp Pro Asn Tyr Ser
```

BNSDOCID: <WO__ 0122920A2 I >

50 55 60

Gly Ile Ile Leu Met Pro Leu Ser Pro Thr Thr Ile Tyr Gly Leu Leu
65 70 75 80

Cys Xaa

<210> 4566
<211> 63
<212> PRT
<213> Homo sapiens

<400> 4566
Glu Gln Lys Ser Ile Gln Asp Leu Gln Ala Leu Leu Trp Met Arg Leu
1 5 10 15

Ile Thr Met Glu Ala Ser Asn Thr His Leu Ser Met Ala Leu Ile Phe
20 25 30

Ser Thr Ser Trp Pro Leu Lys Met Thr Tyr Asn Phe Ser Val Cys Phe
35 40 45

Thr Ile Phe Tyr Lys Glu Asn Ser Ile Leu Trp Leu Ile Glu His
50 55 60

<210> 4567
<211> 73
<212> PRT
<213> Homo sapiens

<400> 4567
Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Gln Arg Arg Gly Gly
1 5 10 15

Val Arg Glu Asn Met Leu Val Lys Tyr Ala Gly Arg Leu Gly Asp Thr
20 25 30

Lys Gln Arg Phe Arg His Ser Lys Ala Gly Met Arg Ser Ser Lys Leu
35 40 45

Cys Phe Asn Lys Leu His Trp Arg Val Pro Tyr Ser Leu Lys Phe Gly
50 55 60

Asn His Asp Pro Glu Pro Gly Trp Ala
65 70

BNSDOCID: <WO___0122920A2_I_>

<210> 4568
<211> 98
<212> PRT
<213> Homo sapiens

<400> 4568
Arg Thr Lys Asn Lys Thr Leu Ile Pro Thr Phe Ile Ser Thr Leu Ala
1 5 10 15

Lys Thr Gly Leu Ala Phe Phe Ser Asn Ser Ser Phe Ile Ser Ser Leu
20 25 30

Pro Cys Pro Ser Leu Pro Phe Leu Ser Gly Ile Gly Ser Val Leu Pro
35 40 45

Ile His Met Ala Ala Ser Leu Ile Ala Leu Val Gln Gly Ile Arg Tyr
50 55 60

Cys Ala Phe Trp Cys Gln Val Gln Ser Gln Val Pro Ile Tyr Glu Pro
65 70 75 80

Val Tyr Lys Lys Lys Lys Ile Gln Val Phe Glu Gly Glu Thr Leu His
85 90 95

Cys Glu

<210> 4569
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4569
Ala Leu Gly Phe Ser Ala Glu Gly Ala Pro Phe Pro Leu Asp Gly Ser
1 5 10 15

Cys His Val Ile Phe Glu Asn Ser Trp Thr Ala Pro Glu Glu Ala Leu
20 25 30

Phe Ser Ser Arg Lys Leu Asp Gly Gly Ser Gln Lys Trp Leu Ile Gly
35 40 45

```
Arg Gly Gln Ala Ser Phe Gln Gly Ser Ala Val Pro Ser Trp Phe Arg
     50                  55                  60

Glu Gly Arg Ala Trp Leu Ser Leu Ala Leu Ser Leu Ser Pro Cys Leu
 65                  70                  75                  80

Ser Ile Thr Thr Phe Pro Pro Glu Glu Xaa Asn Tyr Leu Pro Cys Lys
                 85                  90                  95

Ala Arg Phe Tyr Thr Asp Phe Thr Asn Cys Ala Lys Asn Arg Pro Cys
            100                 105                 110

Ser Gln Lys Ala Gln Cys Phe Cys Lys Glu
        115                 120
```

<210> 4570
<211> 89
<212> PRT
<213> Homo sapiens

<400> 4570

```
Pro Ser Cys Gln Arg Pro Lys Ser Val Ser Trp Cys His Val His Thr
  1               5                  10                  15

Pro Cys His Phe Thr Leu His Leu Ser Pro Ser Phe Pro Met His Ala
            20                  25                  30

Tyr Ser Glu His Pro Cys Val Gly Pro Ser Ser Ala Ser Arg Ala Cys
         35                  40                  45

Ser Ala Val Gly Leu Phe Cys Gly Arg Lys Glu Ala Val Ser Ala Phe
     50                  55                  60

Ser Asp Gly Thr Gly Val Glu Gly Arg Ser Cys Ile Val Ala Leu Leu
 65                  70                  75                  80

Asn Ser Pro Phe Cys Ser Ile Leu Val
                 85
```

<210> 4571
<211> 148
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4571

```
Ser Asn Val Ile Arg Asn Glu Gln Leu Pro Leu Gln Tyr Leu Ala Asp
  1               5                  10                  15

Val Asp Thr Ser Asp Glu Glu Ser Ile Arg Ala His Val Met Ala Ser
             20                  25                  30

His His Ser Lys Arg Arg Gly Arg Ala Ser Ser Glu Ser Gln Gly Leu
         35                  40                  45

Gly Ala Xaa Xaa Arg Thr Xaa Ala Asp Val Glu Glu Glu Ala Leu Arg
     50                  55                  60

Arg Lys Leu Glu Glu Leu Thr Ser Asn Val Ser Asp Gln Glu Thr Ser
 65                  70                  75                  80

Ser Glu Glu Glu Glu Ser Lys Asp Glu Lys Ala Glu Pro Asn Arg Asp
                 85                  90                  95

Lys Ser Val Gly Pro Leu Pro Gln Ala Asp Pro Glu Val Ala Arg Leu
            100                 105                 110

Pro Ile Lys Pro Thr Asp Arg Lys Lys Ala Pro Arg Thr Leu Gly Thr
        115                 120                 125

Pro Ser Ser Thr Thr Gly Pro Gln Met Arg Ser Cys Gln Ser Trp Arg
    130                 135                 140

Thr Glu Trp Gln
145
```

<210> 4572
<211> 231
<212> PRT
<213> Homo sapiens

<400> 4572

```
Ala Leu Ser Pro Ala Met Val Val Pro Glu Asp Gln Leu Thr Arg Trp
 1               5                  10                  15

His Pro Arg Phe Asn Val Asp Glu Val Pro Asp Ile Glu Pro Ala Ala
            20                  25                  30

Leu Pro Gln Pro Pro Ala Thr Glu Lys Leu Thr Thr Ala Gln Glu Val
        35                  40                  45

Leu Ala Arg Ala Arg Asn Leu Ile Ser Pro Arg Met Glu Lys Ala Leu
    50                  55                  60

Ser Gln Leu Ala Leu Arg Ser Ala Ala Pro Ser Ser Pro Gly Ser Pro
65                  70                  75                  80

Arg Pro Ala Leu Pro Ala Thr Pro Pro Ala Thr Pro Pro Ala Ala Ser
                85                  90                  95

Pro Ser Ala Leu Lys Gly Val Ser Gln Asp Leu Leu Glu Arg Ile Arg
            100                 105                 110

Ala Lys Glu Ala Gln Lys Gln Leu Ala Gln Met Thr Arg Cys Pro Glu
        115                 120                 125

Gln Glu Gln Arg Leu Gln Arg Leu Glu Arg Leu Pro Glu Leu Ala Arg
    130                 135                 140

Val Leu Arg Ser Val Phe Val Ser Glu Arg Lys Pro Ala Leu Ser Met
145                 150                 155                 160

Glu Val Ala Cys Ala Arg Met Val Gly Ser Cys Cys Thr Ile Met Ser
                165                 170                 175

Pro Gly Glu Met Glu Lys His Leu Leu Leu Leu Ser Glu Leu Leu Pro
            180                 185                 190

Asp Trp Leu Ser Leu His Arg Ile Arg Thr Asp Thr Tyr Val Lys Leu
        195                 200                 205

Asp Lys Ala Ala Asp Leu Ala His Ile Thr Ala Arg Leu Ala His Gln
    210                 215                 220

Thr Arg Ala Glu Glu Gly Leu
225                 230
```

<210> 4573
<211> 102
<212> PRT
<213> Homo sapiens

<400> 4573
Asp Pro Arg Val Arg His Ala Ser Gly Gly Phe Ser Leu Gly Gly Gln
1 5 10 15

Thr Lys Trp Gln Trp Gly Pro Gly Cys Pro Leu Leu Arg Asn Gly Glu
20 25 30

Leu Phe Ser Pro Val Leu Leu Trp Gly Leu Pro Cys Gly Thr Lys Cys
35 40 45

Leu Gly Glu Glu Leu Leu Ala Gly Leu Gln Leu Leu Phe Val Arg Gly
50 55 60

Gln Leu Gly Leu Val His Pro Cys Ser Glu Leu Ala Pro Lys Arg Ala
65 70 75 80

Met Leu Asn Ser Ser Pro Ser Pro Ser Arg Gln Pro Leu Ser Leu His
85 90 95

Ala Arg Gly Ile Gln Leu
100

<210> 4574
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4574
Arg Ser Ile Gly Gly Phe Phe Pro Ala Gly Leu Thr Thr Leu Leu Ser
1 5 10 15

Gly Leu Lys Pro Phe His Thr Phe Ile Leu Phe Phe Asn Gln Lys Ser
20 25 30

Phe Ser Tyr Lys Ile Asn Phe Gly Gln Thr Xaa Lys Lys Lys Lys Lys
35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys

BNSDOCID: <WO_ 0122920A2 I >

50 55 60

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
65 70 75 80

Lys Lys Lys Lys Gly Gly Pro Xaa
85

<210> 4575
<211> 240
<212> PRT
<213> Homo sapiens

<400> 4575
Pro Thr Ala His Cys Arg Arg Leu Gly Ala Ala Glu Ala Arg Gly Ala
1 5 10 15

Arg Ser Trp Arg Leu Pro Val Pro Arg Leu Cys Arg Pro His Ser Arg
20 25 30

Gly Ala Lys Gly Gly Arg Pro Ala Ser Gly Pro Leu Pro Ser Leu Ser
35 40 45

Leu Arg Cys Cys Glu Arg Arg Pro Leu Arg Arg Arg Pro Ala Thr Gly
50 55 60

Ala Met Ser Ala Asn Glu Asp Gln Glu Met Glu Leu Glu Ala Leu Arg
65 70 75 80

Ser Ile Tyr Glu Gly Asp Glu Ser Phe Arg Glu Leu Ser Pro Val Ser
85 90 95

Phe Gln Tyr Arg Ile Gly Glu Asn Gly Asp Pro Lys Ala Phe Leu Ile
100 105 110

Glu Ile Ser Trp Thr Glu Thr Tyr Pro Gln Thr Pro Pro Ile Leu Ser
115 120 125

Met Asn Ala Phe Phe Asn Asn Thr Ile Ser Ser Ala Val Lys Gln Ser
130 135 140

Ile Leu Ala Lys Leu Gln Glu Ala Val Glu Ala Asn Leu Gly Thr Ala
145 150 155 160

Met Thr Tyr Thr Leu Phe Glu Tyr Ala Lys Asp Asn Lys Glu Gln Phe
165 170 175

Met Glu Asn His Asn Pro Ile Asn Ser Ala Thr Ser Ile Ser Asn Ile
180 185 190

```
Ile Ser Ile Glu Thr Pro Asn Thr Ala Pro Ser Ser Lys Lys Lys Asp
        195                 200                 205

Lys Lys Glu Gln Leu Ser Lys Ala Gln Lys Arg Asn Trp Gln Thr Lys
    210                 215                 220

Gln Ile Thr Lys Glu Asn Phe Leu Glu Ala Gly Thr Gly Leu Met Leu
225                 230                 235                 240
```

<210> 4576
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4576

```
Asp Ala Trp Xaa Xaa Lys Lys Glu Lys Glu Lys Glu Lys Lys Arg Lys
  1               5                  10                  15

Gly Thr Ser Asp Met Thr Ala Cys Met Lys Ser Asn Arg Val Thr Pro
            20                  25                  30

Val Lys Leu Lys Ser Arg Ala Val Asp Ile Leu Ser Asn Gln Gln Glu
        35                  40                  45

Val Ser Arg Asn Gln Ala Val Gln Leu Leu Leu Ser Ala Ile Val Ser
    50                  55                  60

Ser Gln Lys Met His Asp Asp Gly Val Val Gly Glu Gly Gln Phe Ser
65                  70                  75                  80

Ile Leu Phe Lys Ser Lys Leu Pro Glu
                85
```

<210> 4577
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4577
Pro Thr Arg Pro Met Val Ser Ser Ile Gln Ala Ser Met Asp Arg His
1 5 10 15

Leu Arg Asp Gln Ser Thr Glu Gln Ser Pro Ser Asp Leu Pro Gln Arg
20 25 30

Xaa Thr Glu Val Val Ser Ser Ser Ala Lys Ser Gly Ser Leu Gln Thr
35 40 45

Gly Leu Pro Glu Ser Phe Pro Leu Thr Gly Gly Thr Glu Asn Leu Asn
50 55 60

Thr Glu Thr Thr Asp Gly Cys Val Ala Asp Ala Leu Gly Ala Ala Phe
65 70 75 80

Ala Thr Arg Ser Lys Ala Gln Arg Gly Asn Ser Val Glu Glu Leu Glu
85 90 95

Glu Met Asp Ser Gln Asp Ala Glu Met Thr Asn Thr Thr Glu Pro Met
100 105 110

Asp His Ser
115

<210> 4578
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4578
Leu Lys Asn His Gln Lys Thr His Thr Ser Glu Lys Ser Tyr Lys Cys
1 5 10 15

Asn Glu Cys Arg Lys Ala Phe Ser Tyr Cys Ser Gly Leu Ile Gln Cys
20 25 30

Gln Val Ile His Thr Ile Glu Lys Pro Tyr Glu Tyr Gly Lys Cys Gly
35 40 45

Lys Ala Phe Arg Gln Arg Thr Asp Leu Lys Lys His Gln Lys Met His
50 55 60

Thr Glu Glu Lys Pro Tyr Glu Cys Asn Glu Cys Gly Lys Ala Phe Ser
65 70 75 80

Gln Ser Thr Tyr Leu Thr Lys His Gln Lys Ile His Ser Glu Glu Lys
85 90 95

Ser Asn Ile His Thr Glu Cys Gly Glu Thr Xaa Xaa Gln Asn Ser Ser
100 105 110

Phe Leu Gln Gln
115

<210> 4579
<211> 598
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4579
Ala Thr Ser Arg Gln Pro Ser Tyr Xaa Arg Thr Trp Cys Arg Arg Cys
1 5 10 15

Cys Leu Pro Leu Ala Leu Asn Pro Val Pro Ala Ala Met Ala Pro Gly
20 25 30

Gln Leu Ala Leu Phe Ser Val Ser Asp Lys Thr Gly Leu Val Glu Phe

BNSDOCID: <WO_0122920A2_I_>

35 40 45

Ala Arg Asn Leu Thr Ala Leu Gly Leu Asn Leu Val Ala Ser Gly Gly
50 55 60

Thr Ala Lys Ala Leu Arg Asp Ala Gly Leu Ala Val Arg Asp Val Ser
65 70 75 80

Glu Leu Thr Gly Phe Pro Glu Met Leu Gly Gly Arg Val Lys Thr Leu
85 90 95

His Pro Ala Val His Ala Gly Ile Leu Ala Arg Asn Ile Pro Glu Asp
100 105 110

Asn Ala Asp Met Ala Arg Leu Asp Phe Asn Leu Ile Arg Val Val Ala
115 120 125

Cys Asn Leu Tyr Pro Phe Val Lys Thr Val Ala Ser Pro Gly Val Xaa
130 135 140

Val Glu Glu Ala Val Glu Gln Ile Asp Ile Gly Gly Val Thr Leu Leu
145 150 155 160

Arg Ala Ala Ala Lys Asn His Ala Arg Val Thr Val Val Cys Glu Pro
165 170 175

Glu Asp Tyr Val Val Val Ser Thr Glu Met Gln Ser Ser Glu Ser Lys
180 185 190

Asp Thr Ser Leu Glu Thr Arg Arg Gln Leu Ala Leu Lys Ala Phe Thr
195 200 205

His Thr Ala Gln Tyr Asp Glu Ala Ile Ser Asp Tyr Phe Arg Lys Gln
210 215 220

Tyr Ser Lys Gly Val Ser Gln Met Pro Leu Arg Tyr Gly Met Asn Pro
225 230 235 240

His Gln Thr Pro Ala Gln Leu Tyr Thr Leu Gln Pro Lys Leu Pro Ile
245 250 255

Thr Val Leu Asn Gly Ala Pro Gly Phe Ile Asn Leu Cys Asp Ala Leu
260 265 270

Asn Ala Trp Gln Leu Val Lys Glu Leu Lys Glu Ala Leu Gly Ile Pro
275 280 285

Ala Ala Ala Ser Phe Lys His Val Ser Pro Ala Gly Ala Ala Val Gly
290 295 300

Ile Pro Leu Ser Glu Asp Glu Ala Lys Val Cys Met Val Tyr Asp Leu

BNSDOCID: <WO_ 0122920A2 1_>

305 310 315 320

Tyr Lys Thr Leu Thr Pro Ile Ser Ala Ala Tyr Ala Arg Ala Arg Gly
325 330 335

Ala Asp Arg Met Ser Ser Phe Gly Asp Phe Val Ala Leu Ser Asp Val
340 345 350

Cys Asp Val Pro Thr Ala Lys Ile Ile Ser Arg Glu Val Ser Asp Gly
355 360 365

Ile Ile Ala Pro Gly Tyr Glu Glu Glu Ala Leu Thr Ile Leu Ser Lys
370 375 380

Lys Lys Asn Gly Asn Tyr Cys Val Leu Gln Met Asp Gln Ser Tyr Lys
385 390 395 400

Pro Asp Glu Asn Glu Val Arg Thr Leu Phe Gly Leu His Leu Ser Gln
405 410 415

Lys Arg Asn Asn Gly Val Val Asp Lys Ser Leu Phe Ser Asn Val Val
420 425 430

Thr Lys Asn Lys Asp Leu Pro Glu Ser Ala Leu Arg Asp Leu Ile Val
435 440 445

Ala Thr Ile Ala Val Lys Tyr Thr Gln Ser Asn Ser Val Cys Tyr Ala
450 455 460

Lys Asn Gly Gln Val Ile Gly Ile Gly Ala Gly Gln Gln Ser Arg Ile
465 470 475 480

His Cys Thr Arg Leu Ala Gly Asp Lys Ala Asn Tyr Trp Trp Leu Arg
485 490 495

His His Pro Gln Val Leu Ser Met Lys Phe Lys Thr Gly Val Lys Arg
500 505 510

Ala Glu Ile Ser Asn Ala Ile Asp Gln Tyr Val Thr Gly Thr Ile Gly
515 520 525

Glu Asp Glu Asp Leu Ile Lys Trp Lys Ala Leu Phe Glu Glu Val Pro
530 535 540

Glu Leu Leu Thr Glu Ala Glu Lys Lys Glu Trp Val Glu Lys Leu Thr
545 550 555 560

Glu Val Ser Ile Ser Ser Asp Ala Phe Phe Pro Phe Arg Asp Asn Val
565 570 575

Asp Arg Ala Lys Arg Ser Gly Val Ala Tyr Ile Ala Ala Pro Pro Val

580 585 590

Leu Leu Leu Thr Lys Leu
595

<210> 4580
<211> 48
<212> PRT
<213> Homo sapiens

<400> 4580
Cys Ile Ser Lys Gly Glu Lys Arg Ile Gly Ile Phe Leu Phe Asn Ile
1 5 10 15

Gln Phe Ile Glu Ser Ser Thr Leu Ile Phe Leu Asn Pro Arg Ser Ser
20 25 30

Gly Ser Tyr His Phe Lys Arg Asn Tyr His Gln Phe Cys Val Ser Lys
35 40 45

<210> 4581
<211> 50
<212> PRT
<213> Homo sapiens

<400> 4581
His Val Phe Leu Pro Cys Ser Leu Pro Gly Arg Met Glu Phe Tyr Ile
1 5 10 15

Thr Thr Phe Leu Cys Lys Asn Asn Gly Arg Val Glu Leu Val Val Ile
20 25 30

Leu Ala Phe His Leu Ala Leu Val Ser Ser Ile Gly Leu Glu Ile Ile
35 40 45

Gly Arg
50

<210> 4582
<211> 45
<212> PRT
<213> Homo sapiens

<400> 4582
Gly Leu Met Glu Ile Glu Ile Thr Cys Lys Asp Ile Thr Val Phe Met
1 5 10 15

Ser Tyr Ile Leu Val Leu Glu Ile Val Glu Cys Met Ile Asp Asn Ile
20 25 30

Phe Leu Ile Phe Ile Phe Ser Ser Asn Thr Ser Thr Val
35 40 45

<210> 4583
<211> 125
<212> PRT
<213> Homo sapiens

<400> 4583
Asn Asp Ser Asn Thr Ala Leu Leu His His Glu Thr Asn Pro Gly Gln
1 5 10 15

Asp Pro Ile Pro Ser His Gln Pro Thr Ser Leu Leu Ala Ala Gly Gln
20 25 30

Asp Val Ala Ser Ile Thr Phe His Cys Leu Ser Pro Trp Glu Ala Ala
35 40 45

Gln Leu Arg Leu Gly Thr Arg Pro Pro Leu Leu Gly Pro Thr Gly Lys
50 55 60

Ser Val Ala Ala Thr Ala Trp Leu Thr Phe Leu Ser Ser Leu Gly Ser
65 70 75 80

Gly Thr Ala Pro Pro Cys Pro Trp Leu Gly Arg Gly Glu Lys Lys Leu
85 90 95

Ser Tyr Ala Phe Pro Leu Pro Leu Val Tyr Arg Thr Ser Leu Pro Ser
100 105 110

Gln Gln Glu Arg Arg Pro Pro Gly Val Ser Pro Gly Gln
115 120 125

<210> 4584
<211> 342
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO__0122920A2_I_>

<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (279)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4584

```
Ile Thr Trp Pro Thr Thr Gly Pro Xaa Ala Leu Asn Leu Gln Ala His
  1               5                  10                  15

Trp Xaa Gly Pro Gly Ser Ala Arg Xaa Ala Xaa His His Leu Glu Tyr
             20                  25                  30

Arg Cys Ala Pro Arg Pro Pro Ala Val Cys Trp His Xaa Val Xaa Arg
         35                  40                  45

Gly Ala Lys Xaa Xaa Ala Xaa Ala Gln Ser Xaa Xaa Xaa Asp Thr Cys
     50                  55                  60

Ser Val Gln Asn Gly Glu Asp Asp Gly Arg Asn Gln Ala Arg Leu Gly
 65                  70                  75                  80

His Arg Gly Thr Leu Ala Leu Gly Ser Leu Leu Ala Gln Gly Phe Asn
                 85                  90                  95

Val Arg Leu Ser Gly Gln Asp Val Gly Arg Gly Thr Phe Ser Gln Arg
            100                 105                 110

His Ala Met Val Val Cys Gln Glu Thr Asp Asp Thr Tyr Ile Pro Leu
        115                 120                 125

Asn His Met Asp Pro Asn Gln Lys Gly Phe Leu Glu Val Ser Asn Ser
    130                 135                 140

Pro Leu Ser Glu Glu Ala Val Leu Gly Phe Glu Tyr Gly Met Ser Ile
145                 150                 155                 160

Glu Ser Pro Lys Leu Leu Pro Leu Trp Glu Ala Gln Phe Gly Asp Phe
                165                 170                 175

Phe Asn Gly Ala Gln Ile Ile Phe Asp Thr Phe Ile Ser Gly Gly Glu
            180                 185                 190

Ala Lys Trp Leu Leu Gln Ser Gly Ile Val Ile Leu Leu Pro His Gly
```

```
        195                 200                 205

Tyr Asp Gly Ala Gly Pro Asp His Ser Ser Cys Arg Ile Glu Arg Phe
    210                 215                 220

Leu Gln Met Cys Asp Ser Ala Glu Glu Gly Val Asp Gly Asp Thr Val
225                 230                 235                 240

Asn Met Phe Val Val His Pro Thr Thr Pro Ala Gln Tyr Phe His Leu
                245                 250                 255

Leu Arg Arg Gln Met Val Arg Asn Phe Arg Lys Pro Leu Ile Val Ala
            260                 265                 270

Ser Pro Lys Met Leu Leu Xaa Leu Pro Ala Ala Val Ser Thr Leu Gln
        275                 280                 285

Glu Met Ala Pro Gly Thr Thr Phe Asn Pro Val Ile Gly Asp Ser Ser
    290                 295                 300

Val Asp Pro Lys Lys Val Lys Thr Leu Val Phe Cys Ser Gly Lys His
305                 310                 315                 320

Phe Tyr Ser Leu Val Asn Lys Glu Asn Leu Trp Gly Pro Arg Ser Met
                325                 330                 335

Thr Leu Pro Ser Ser Glu
            340
```

<210> 4585
<211> 59
<212> PRT
<213> Homo sapiens

<400> 4585

```
Asn Leu Tyr Lys Leu Lys Leu Asn His Glu Leu Gln Lys Lys Ser Ile
  1               5                  10                  15

Leu Pro Lys Leu Asp Val Thr Thr Leu Thr Ser Leu Lys Tyr Glu Val
            20                  25                  30

Asp Cys Leu Lys Asp Ser Ala Tyr Ile Leu Val Cys Thr Phe Arg Asn
        35                  40                  45

Ile Phe Leu Gly Lys Ser Thr Gln His Phe Leu
    50                  55
```

BNSDOCID: <WO__ 0122920A2 I >

<210> 4586
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4586
Val His Leu Lys Ala Val Lys Met Val Leu Ala Asp Leu Gly Arg Lys
1 5 10 15

Ile Thr Ser Ala Leu Arg Ser Leu Ser Asn Ala Thr Ile Ile Asn Glu
20 25 30

Glu Val Cys Lys Ile Leu Tyr Xaa Ile Tyr Met Ile Val Leu Leu Ser
35 40 45

Leu Ala Leu Gly Arg Trp Leu Ile His Asn Pro Arg Ile Tyr Met Tyr
50 55 60

Phe Xaa Val Asp Leu Ile Leu Val Gly Lys Ser Pro Lys Gly Leu Thr
65 70 75 80

Val Gly Gly Val Tyr Trp Gly Ile Thr Xaa Asn Ser Asn Tyr Phe Asn
85 90 95

Leu Pro

<210> 4587
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4587
Gly Lys Leu Gly Met Leu Gly Gln Glu Gly Lys Val Leu Val Asn Pro
1 5 10 15

Leu Trp Ser Asn Ile Met Lys Val Asn Tyr Asn Ser Ile Tyr Leu Ser
20 25 30

Leu Met Pro Gln Ser Glu Ile Xaa Tyr Xaa Leu Gly Gly His Gly Cys
35 40 45

Ala Pro Ile Gln Tyr Thr Phe Xaa Gly Xaa Asn Leu Phe Ser Asp His
50 55 60

Phe Met Glu Ser Leu Lys Tyr Leu
65 70

<210> 4588
<211> 385
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (221)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4588
Trp Ile Pro Arg Ala Ala Gly Phe Gly Thr Arg Pro Leu Pro Gly Ala
1 5 10 15

Ala Gly Gly Ala Ala Gly Cys Thr Gln Arg Arg Ser Arg Glu Leu Ala

```
            20                  25                  30

Ala Ala Ala Met Ser His Gln Thr Gly Ile Gln Ala Ser Glu Asp Val
         35                  40                  45

Lys Glu Ile Phe Ala Arg Ala Arg Asn Gly Lys Tyr Arg Leu Leu Lys
     50                  55                  60

Ile Ser Ile Glu Asn Glu Gln Leu Val Ile Gly Ser Tyr Ser Gln Pro
 65                  70                  75                  80

Ser Asp Ser Trp Asp Lys Asp Tyr Asp Ser Phe Val Leu Pro Leu Leu
                 85                  90                  95

Glu Asp Lys Gln Pro Cys Tyr Ile Leu Phe Arg Leu Asp Ser Gln Asn
            100                 105                 110

Ala Gln Gly Tyr Glu Trp Ile Phe Ile Ala Trp Ser Pro Asp His Ser
        115                 120                 125

His Val Arg Gln Lys Met Leu Tyr Ala Ala Thr Arg Ala Thr Leu Lys
    130                 135                 140

Lys Glu Phe Gly Gly Gly His Ile Lys Asp Glu Val Phe Gly Thr Val
145                 150                 155                 160

Lys Glu Asp Val Ser Leu His Gly Tyr Lys Lys Tyr Leu Leu Ser Gln
                165                 170                 175

Ser Ser Pro Ala Pro Leu Thr Ala Ala Glu Glu Glu Leu Arg Gln Ile
            180                 185                 190

Lys Ile Asn Glu Val Gln Thr Asp Val Gly Val Asp Thr Lys His Gln
        195                 200                 205

Thr Leu Gln Gly Val Ala Phe Pro Ile Ser Arg Glu Xaa Phe Gln Ala
    210                 215                 220

Leu Glu Lys Leu Asn Asn Arg Gln Leu Asn Tyr Val Gln Leu Glu Ile
225                 230                 235                 240

Asp Ile Lys Asn Glu Ile Ile Ile Leu Ala Asn Thr Thr Asn Thr Glu
                245                 250                 255

Leu Lys Asp Leu Pro Lys Arg Ile Pro Lys Asp Ser Ala Arg Tyr His
            260                 265                 270

Phe Phe Leu Tyr Lys His Ser His Glu Gly Asp Tyr Leu Glu Ser Ile
        275                 280                 285

Val Phe Ile Tyr Ser Met Pro Gly Tyr Thr Cys Ser Ile Arg Glu Arg
```

BNSDOCID: <WO 0122920A2 I >

290 295 300

Met Leu Tyr Ser Ser Cys Lys Ser Arg Leu Leu Glu Ile Val Glu Arg
305 310 315 320

Gln Leu Gln Met Asp Val Ile Arg Lys Ile Glu Ile Asp Asn Gly Asp
325 330 335

Glu Leu Thr Ala Asp Phe Leu Tyr Glu Glu Val His Pro Lys Gln His
340 345 350

Ala His Lys Gln Ser Phe Ala Lys Pro Lys Gly Pro Ala Gly Lys Arg
355 360 365

Gly Ile Arg Arg Leu Ile Arg Gly Pro Ala Glu Thr Glu Ala Thr Thr
370 375 380

Asp
385

<210> 4589
<211> 270
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4589
Ser Val Thr Leu Glu Met Glu Ser Lys Leu Ala Ala Glu Lys Lys Gln
1 5 10 15

Thr Glu Gln Leu Ser Leu Glu Leu Glu Val Ala Arg Leu Gln Leu Gln
20 25 30

Gly Leu Asp Leu Ser Ser Arg Ser Leu Leu Gly Ile Xaa Thr Glu Asp
35 40 45

Ala Ile Gln Gly Arg Asn Glu Ser Cys Asp Ile Ser Lys Glu His Thr
50 55 60

Ser Glu Thr Thr Glu Arg Thr Pro Lys His Asp Val His Gln Ile Cys
65 70 75 80

Asp Lys Asp Ala Gln Gln Asp Leu Asn Leu Asp Ile Glu Lys Ile Thr
85 90 95

```
Glu Thr Gly Ala Val Lys Pro Thr Gly Glu Cys Ser Gly Glu Gln Ser
            100                 105                 110

Pro Asp Thr Asn Tyr Glu Pro Pro Gly Glu Asp Lys Thr Gln Gly Ser
        115                 120                 125

Ser Glu Cys Ile Ser Glu Leu Ser Phe Ser Gly Pro Asn Ala Leu Val
    130                 135                 140

Pro Met Asp Phe Leu Gly Asn Gln Glu Asn Ile Gln Asn Leu Gln Leu
145                 150                 155                 160

Arg Val Lys Glu Thr Ser Asn Glu Asn Leu Arg Leu Leu His Val Ile
                165                 170                 175

Glu Asp Arg Asp Arg Lys Val Glu Ser Leu Leu Asn Glu Met Lys Glu
            180                 185                 190

Leu Asp Ser Lys Leu His Leu Gln Glu Val Gln Leu Met Thr Lys Ile
        195                 200                 205

Glu Ala Cys Ile Glu Leu Glu Lys Ile Val Gly Glu Leu Lys Lys Glu
    210                 215                 220

Asn Ser Asp Leu Ser Glu Lys Leu Glu Tyr Phe Ser Cys Asp His Gln
225                 230                 235                 240

Glu Leu Leu Gln Arg Val Glu Thr Ser Glu Gly Leu Asn Ser Asp Leu
                245                 250                 255

Glu Met His Ala Asp Lys Ser Ser Arg Glu Asp Ile Gly Arg
            260                 265                 270
```

<210> 4590
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4590

```
Ser Ser Val Pro Pro Lys Lys Lys Leu Ala Glu Lys Asp Xaa Lys Lys
  1               5                  10                  15

Leu Phe Gly Val Cys Ser Cys Ala Val His Phe Phe Arg Phe Asn Val
            20                  25                  30
```

Leu Cys Arg
35

<210> 4591
<211> 173
<212> PRT
<213> Homo sapiens

<400> 4591
Ser Pro Ala Arg Pro Leu Ile Arg Ser Asp Lys Met Lys Glu Thr Ile
1 5 10 15

Met Asn Gln Glu Lys Leu Ala Lys Leu Gln Ala Gln Val Arg Ile Gly
20 25 30

Gly Lys Gly Thr Ala Arg Arg Lys Lys Lys Val Val His Arg Thr Ala
35 40 45

Thr Ala Asp Asp Lys Lys Leu Gln Phe Ser Leu Lys Lys Leu Gly Val
50 55 60

Asn Asn Ile Ser Gly Ile Glu Glu Val Asn Met Phe Thr Asn Gln Gly
65 70 75 80

Thr Val Ile His Phe Asn Asn Pro Lys Val Gln Ala Ser Leu Ala Ala
85 90 95

Asn Thr Phe Thr Ile Thr Gly His Ala Glu Thr Lys Gln Leu Thr Glu
100 105 110

Met Leu Pro Ser Ile Leu Asn Gln Leu Gly Ala Asp Ser Leu Thr Ser
115 120 125

Leu Arg Arg Leu Ala Glu Ala Leu Pro Lys Gln Ser Val Asp Gly Lys
130 135 140

Ala Pro Leu Ala Thr Gly Glu Asp Asp Asp Asp Glu Val Pro Asp Leu
145 150 155 160

Val Glu Asn Phe Asp Glu Ala Ser Lys Asn Glu Ala Asn
165 170

<210> 4592
<211> 66
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I_>

<400> 4592
Leu Cys Cys Pro Phe His Ile Lys Glu Leu Leu Thr Thr Lys Ala Ala
1 5 10 15

Pro Ala Phe Pro Ile Cys Leu Ser Ile Trp Leu Ala Gly Lys Glu Arg
20 25 30

Thr Cys Met Leu Val Lys Glu Glu Val Gly Trp Lys Lys Trp Gly Gly
35 40 45

Thr Thr Val Lys Ser Arg Val Lys Pro Ser Trp Pro Lys Val Ser Cys
50 55 60

Arg Leu
65

<210> 4593
<211> 319
<212> PRT
<213> Homo sapiens

<400> 4593
Glu Thr Met Ala Lys Asn Pro Pro Glu Asn Cys Glu Asp Cys His Ile
1 5 10 15

Leu Asn Ala Glu Ala Phe Lys Ser Lys Lys Ile Cys Lys Ser Leu Lys
20 25 30

Ile Cys Gly Leu Val Phe Gly Ile Leu Ala Leu Thr Leu Ile Val Leu
35 40 45

Phe Trp Gly Ser Lys His Phe Trp Pro Glu Val Pro Lys Lys Ala Tyr
50 55 60

Asp Met Glu His Thr Phe Tyr Ser Asn Gly Glu Lys Lys Lys Ile Tyr
65 70 75 80

Met Glu Ile Asp Pro Val Thr Arg Thr Glu Ile Phe Arg Ser Gly Asn
85 90 95

Gly Thr Asp Glu Thr Leu Glu Val His Asp Phe Lys Asn Gly Tyr Thr
100 105 110

Gly Ile Tyr Phe Val Gly Leu Gln Lys Cys Phe Ile Lys Thr Gln Ile
115 120 125

Lys Val Ile Pro Glu Phe Ser Glu Pro Glu Glu Glu Ile Asp Glu Asn
130 135 140

```
Glu Glu Ile Thr Thr Thr Phe Phe Glu Gln Ser Val Ile Trp Val Pro
145                 150                 155                 160

Ala Glu Lys Pro Ile Glu Asn Arg Asp Phe Leu Lys Asn Ser Lys Ile
                165                 170                 175

Leu Glu Ile Cys Asp Asn Val Thr Met Tyr Trp Ile Asn Pro Thr Leu
            180                 185                 190

Ile Ser Val Ser Glu Leu Gln Asp Phe Glu Glu Glu Gly Glu Asp Leu
        195                 200                 205

His Phe Pro Ala Asn Glu Lys Lys Gly Ile Glu Gln Asn Glu Gln Trp
    210                 215                 220

Val Val Pro Gln Val Lys Val Glu Lys Thr Arg His Ala Arg Gln Ala
225                 230                 235                 240

Ser Glu Glu Glu Leu Pro Ile Asn Asp Tyr Thr Glu Asn Gly Ile Glu
                245                 250                 255

Phe Asp Pro Met Leu Asp Glu Arg Gly Tyr Cys Cys Ile Tyr Cys Arg
            260                 265                 270

Arg Gly Asn Arg Tyr Cys Arg Arg Val Cys Glu Pro Leu Leu Gly Tyr
        275                 280                 285

Tyr Pro Tyr Pro Tyr Cys Tyr Gln Gly Gly Arg Val Ile Cys Arg Val
    290                 295                 300

Ile Met Pro Cys Asn Trp Trp Val Ala Arg Met Leu Gly Arg Val
305                 310                 315
```

<210> 4594
<211> 86
<212> PRT
<213> Homo sapiens

<400> 4594

```
Tyr Cys Phe Ala Phe Ser Ile Glu Thr Glu Asn Phe Ala Ser Gln Ser
  1               5                  10                  15

Leu Leu Phe Pro Trp Tyr Cys Lys Lys Lys Lys Lys Glu Lys Glu Lys
             20                  25                  30

Lys Lys Glu Asn Gln Pro Ile Ile Ala Cys Thr Glu Leu Lys Ile Val
         35                  40                  45
```

BNSDOCID: <WO__0122920A2 I >

Ile Asn Arg Ala Cys Trp Glu Lys Lys Glu Asn Asn Cys Cys Leu Phe
50 55 60

Phe Leu Tyr Lys Arg Glu Phe Met Thr Lys Phe Ser Cys Glu Glu Cys
65 70 75 80

Asp Thr Cys Leu Tyr Phe
85

<210> 4595
<211> 147
<212> PRT
<213> Homo sapiens

<400> 4595
Phe Pro Leu Val Leu Val Ser His Gln Arg Thr Val Met Tyr Ala Ser
1 5 10 15

Phe Val Thr Glu Lys Phe Leu Cys Phe Gln Ser Thr Met Arg Cys Met
20 25 30

Ile Leu Phe Ser Ser His Phe Pro Gln Ala Pro Val Asn Gln Gly Lys
35 40 45

Cys Ala Thr Asp Arg Leu Gly Glu Gly Leu Val Val Ala Gln Leu Glu
50 55 60

Ile Val Ser Lys Ser Lys Pro Pro Ala His Pro Glu Glu Ser Leu Leu
65 70 75 80

Trp Asn Val Lys Cys Asn His Phe Phe Arg Tyr Lys Thr Phe Pro Asn
85 90 95

Asn Val Ile Gly Phe Leu Tyr Gly Lys Ile Glu Arg Ser Cys His Pro
100 105 110

Pro Ala Tyr Ala Phe Ile Ser Phe Val Asp Leu Ser Asp His Leu Leu
115 120 125

Phe Ala Gln Ser Leu Leu Asn Ser Lys Thr Val Pro Met Asn Gly Thr
130 135 140

Pro Val Met
145

<210> 4596
<211> 59

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4596
Thr Pro Xaa Gln Phe Gly Gly Tyr Ala Lys Glu Ala Asp Tyr Val Ala
1 5 10 15

Gln Ala Thr Arg Leu Arg Ala Ala Leu Glu Gly Thr Ala Thr Tyr Arg
20 25 30

Gly Asp Ile Tyr Phe Cys Thr Gly Tyr Asp Pro Pro Met Lys Pro Tyr
35 40 45

Gly Arg Arg Asn Glu Ile Trp Leu Leu Lys Thr
50 55

<210> 4597
<211> 358
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (352)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4597
Phe Ala Val Ile Arg Phe Glu Ser Ile Ile His Glu Phe Asp Pro Trp
1 5 10 15

Phe Asn Tyr Arg Ser Thr His His Leu Ala Ser His Gly Phe Tyr Glu
20 25 30

Phe Leu Asn Trp Phe Asp Glu Arg Ala Trp Tyr Pro Leu Gly Arg Ile
35 40 45

Val Gly Gly Thr Val Tyr Pro Gly Leu Met Ile Thr Ala Gly Leu Ile
50 55 60

His Trp Ile Leu Asn Thr Leu Asn Ile Thr Val His Ile Arg Asp Val
65 70 75 80

Cys Val Phe Leu Ala Pro Thr Phe Ser Gly Leu Thr Ser Ile Ser Thr
85 90 95

```
Phe Leu Leu Thr Arg Glu Leu Trp Asn Gln Gly Ala Gly Leu Leu Ala
            100                 105                 110

Ala Cys Phe Ile Ala Ile Val Pro Gly Tyr Ile Ser Arg Ser Val Ala
        115                 120                 125

Gly Ser Phe Asp Asn Glu Gly Ile Ala Ile Phe Ala Leu Gln Phe Thr
    130                 135                 140

Tyr Tyr Leu Trp Val Lys Ser Val Lys Thr Gly Ser Val Phe Trp Thr
145                 150                 155                 160

Met Cys Cys Cys Leu Ser Tyr Phe Tyr Met Val Ser Ala Trp Gly Gly
                165                 170                 175

Tyr Val Phe Ile Ile Asn Leu Ile Pro Leu His Val Phe Val Leu Leu
            180                 185                 190

Leu Met Gln Arg Tyr Ser Lys Arg Val Tyr Ile Ala Tyr Ser Thr Phe
        195                 200                 205

Tyr Ile Val Gly Leu Ile Leu Ser Met Gln Ile Pro Phe Val Gly Phe
    210                 215                 220

Gln Pro Ile Arg Thr Ser Glu His Met Ala Ala Ala Gly Val Phe Ala
225                 230                 235                 240

Leu Leu Gln Ala Tyr Ala Phe Leu Gln Tyr Leu Arg Asp Arg Leu Thr
                245                 250                 255

Lys Gln Glu Phe Gln Thr Leu Phe Phe Leu Gly Val Ser Leu Ala Ala
            260                 265                 270

Gly Ala Val Phe Leu Ser Val Ile Tyr Leu Thr Tyr Thr Gly Tyr Ile
        275                 280                 285

Ala Pro Trp Ser Gly Arg Phe Tyr Ser Leu Trp Asp Thr Gly Tyr Ala
    290                 295                 300

Lys Ile His Ile Pro Ile Ile Ala Ser Val Ser Glu His Gln Pro Thr
305                 310                 315                 320

Thr Trp Val Ser Phe Phe Phe Asp Leu His Ile Leu Val Cys Thr Phe
                325                 330                 335

Pro Ala Gly Leu Trp Phe Cys Ile Lys Asn Ile Asn Asp Glu Arg Xaa
            340                 345                 350

Phe Gly Lys Arg Gly Phe
        355
```

<210> 4598
<211> 161
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4598
Ile Ser Glu Xaa Ser Phe Phe Gln Asn Met Leu Asn Leu Tyr Asn Phe
1 5 10 15

Ser Ala Lys Val Met Ala Asp Gln Leu Arg Lys Pro Pro Ser Arg Asp
20 25 30

Gln Trp Ser Met Thr Pro Gln Thr Val Asn Ala Tyr Tyr Leu Pro Thr
35 40 45

Lys Asn Glu Ile Val Phe Pro Ala Gly Ile Leu Gln Ala Pro Phe Tyr
50 55 60

Ala Arg Asn His Pro Lys Ala Leu Asn Phe Gly Gly Ile Gly Val Val
65 70 75 80

Met Gly His Glu Leu Thr Xaa Ala Phe Asp Asp Gln Gly Arg Glu Tyr
85 90 95

Asp Lys Glu Gly Asn Leu Arg Pro Trp Trp Gln Asn Glu Ser Leu Ala
100 105 110

Ala Phe Arg Asn His Thr Ala Cys Met Glu Glu Gln Tyr Asn Gln Tyr
115 120 125

Gln Val Asn Gly Glu Arg Leu Asn Gly Arg Gln Thr Leu Gly Glu Asn
130 135 140

Ile Ala Asp Asn Gly Gly Leu Lys Leu Pro Thr Met Leu Thr Lys His
145 150 155 160

Gly

<210> 4599
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4599
Ala Gln Val Val Val Leu Val Met Ser Leu Thr Thr Leu Trp Thr Leu
1 5 10 15

Asp Lys Leu Leu Leu Cys Val Cys Xaa Leu Ile Cys Lys Met Lys Ile
20 25 30

Ile Ser Val Ser Tyr Arg Tyr Ser Leu Asn Arg Asp Asn Tyr Thr Tyr
35 40 45

Phe Lys Val Val Lys Tyr Thr Ile Thr Thr Arg
50 55

<210> 4600
<211> 44
<212> PRT
<213> Homo sapiens

<400> 4600
Asp Gln Pro Gly Gln His Ser Lys Thr Pro Ser Leu Gln Lys Asn Leu
1 5 10 15

Lys Ile Ser Gln Val Trp Trp His Ala Pro Val Val Pro Ala Thr Arg
20 25 30

Asp Ala Glu Val Arg Gly Ser Leu Glu Pro Gly Arg
35 40

<210> 4601
<211> 397
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (271)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (392)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (395)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (396)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4601

```
Ser His Gly Pro Ala Ala Gly Pro Arg Ser Ala Leu Gln His Asn Lys
  1               5                  10                  15

Met Ala Asn Gln Val Asn Gly Asn Ala Val Gln Leu Lys Glu Glu Glu
             20                  25                  30

Glu Pro Met Asp Thr Ser Ser Val Thr His Thr Glu His Tyr Lys Thr
         35                  40                  45

Leu Ile Glu Ala Gly Leu Pro Gln Lys Val Ala Glu Arg Leu Asp Glu
     50                  55                  60

Ile Phe Gln Thr Gly Leu Val Ala Tyr Val Asp Leu Asp Glu Arg Ala
 65                  70                  75                  80

Ile Asp Ala Leu Arg Glu Phe Asn Glu Glu Gly Ala Leu Ser Val Leu
                 85                  90                  95

Gln Gln Phe Lys Glu Ser Asp Leu Ser His Val Gln Asn Lys Ser Ala
            100                 105                 110

Phe Leu Cys Gly Val Met Lys Thr Tyr Arg Gln Arg Glu Lys Gln Gly
        115                 120                 125

Ser Lys Val Gln Glu Ser Thr Lys Gly Pro Asp Glu Ala Lys Ile Lys
    130                 135                 140

Ala Leu Leu Glu Arg Thr Gly Tyr Thr Leu Asp Val Thr Thr Gly Gln
145                 150                 155                 160

Arg Lys Tyr Gly Gly Pro Pro Pro Asp Ser Val Tyr Ser Gly Val Gln
```

```
                165                 170                 175

Pro Gly Ile Gly Thr Glu Val Phe Val Gly Lys Ile Pro Arg Asp Leu
            180                 185                 190

Tyr Glu Asp Glu Leu Val Pro Leu Phe Glu Lys Ala Gly Pro Ile Trp
        195                 200                 205

Asp Leu Arg Leu Met Met Asp Pro Leu Ser Gly Gln Asn Arg Gly Tyr
    210                 215                 220

Ala Phe Ile Thr Phe Cys Gly Lys Glu Ala Ala Gln Glu Ala Val Lys
225                 230                 235                 240

Leu Cys Asp Ser Tyr Glu Ile Arg Pro Gly Lys His Leu Gly Val Cys
                245                 250                 255

Ile Ser Val Ala Asn Asn Arg Leu Phe Val Gly Ser Ile Pro Xaa Asn
            260                 265                 270

Lys Thr Lys Glu Asn Ile Leu Glu Glu Phe Ser Lys Val Thr Glu Gly
        275                 280                 285

Leu Val Asp Val Ile Leu Tyr His Gln Pro Asp Asp Lys Lys Lys Asn
    290                 295                 300

Arg Gly Phe Cys Phe Leu Glu Tyr Glu Asp His Lys Ser Ala Ala Gln
305                 310                 315                 320

Ala Arg Arg Arg Leu Met Ser Gly Lys Val Lys Val Trp Gly Asn Val
                325                 330                 335

Val Thr Val Glu Trp Ala Asp Pro Val Glu Glu Pro Asp Pro Glu Val
            340                 345                 350

Met Ala Lys Val Lys Val Leu Phe Val Arg Asn Leu Ala Thr Thr Val
        355                 360                 365

Thr Glu Glu Ile Leu Glu Lys Ser Phe Ser Glu Phe Gly Lys Leu Glu
    370                 375                 380

Arg Val Lys Lys Leu Lys Val Xaa Ala Ala Xaa Xaa Asn
385                 390                 395
```

<210> 4602
<211> 355
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (253)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4602

```
Lys Xaa His Leu Leu Tyr Arg Pro Leu Glu Gln Gln His Gly Val Ile
  1               5                  10                  15

Pro Asp Arg Asp Ala Glu Phe Cys Leu Phe Asp Arg Val Val Asn Val
             20                  25                  30

Arg Glu Asn Phe Ser Val Pro Val Gly Leu Arg Gly Thr Ile Ile Gly
         35                  40                  45

Ile Lys Gly Ala Asn Arg Glu Ala Asp Val Leu Phe Glu Val Leu Phe
     50                  55                  60

Asp Xaa Glu Phe Pro Gly Gly Leu Thr Ile Arg Cys Ser Pro Gly Arg
 65                  70                  75                  80

Gly Tyr Arg Leu Pro Thr Ser Ala Leu Val Asn Leu Ser His Gly Ser
                 85                  90                  95

Arg Ser Glu Thr Gly Asn Gln Lys Leu Thr Ala Ile Val Lys Pro Gln
            100                 105                 110

Pro Ala Val His Gln His Ser Ser Ser Ser Ser Val Ser Ser Gly His
        115                 120                 125

Leu Gly Xaa Leu Asn His Ser Pro Gln Ser Leu Phe Val Pro Thr Gln
    130                 135                 140

Val Pro Thr Lys Asp Asp Asp Glu Phe Cys Asn Ile Trp Gln Ser Leu
145                 150                 155                 160
```

```
Gln Gly Ser Gly Lys Met Gln Tyr Phe Glu Pro Thr Ile Gln Glu Lys
                165                 170                 175

Gly Ala Val Leu Pro Gln Glu Ile Ser Gln Val Asn Gln His His Lys
            180                 185                 190

Ser Gly Phe Asn Asp Asn Ser Val Lys Tyr Gln Gln Arg Lys His Asp
        195                 200                 205

Pro His Arg Lys Phe Lys Glu Glu Cys Lys Ser Pro Lys Ala Glu Cys
    210                 215                 220

Trp Ser Gln Lys Met Ser Asn Lys Gln Pro Asn Ser Gly Ile Glu Asn
225                 230                 235                 240

Phe Leu Ala Ser Leu Asn Ile Ser Lys Glu Asn Glu Xaa Gln Ser Ser
                245                 250                 255

His His Gly Glu Pro Pro Ser Glu Glu His Leu Ser Pro Gln Ser Phe
            260                 265                 270

Ala Met Lys Gly Thr Arg Met Leu Lys Glu Ile Leu Lys Ile Asp Gly
        275                 280                 285

Ser Asn Thr Val Asp His Lys Asn Glu Ile Lys Gln Ile Ala Asn Glu
    290                 295                 300

Ile Pro Val Ser Ser Asn Arg Arg Asp Glu Tyr Gly Leu Pro Ser Gln
305                 310                 315                 320

Pro Lys Gln Asn Lys Lys Leu Ala Ser Tyr Met Asn Lys Pro His Ser
                325                 330                 335

Ala Asn Glu Tyr His Asn Val Gln Ser Met Asp Asn Met Cys Trp Pro
            340                 345                 350

Ala Pro Ser
        355
```

<210> 4603
<211> 385
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4603
His Arg Arg Tyr Ser Val Ala Ser Gln Val Pro Ser Gly Cys Thr Leu
1 5 10 15

Glu Asp His Thr Arg Phe Leu Phe Gly Cys Gln Arg Pro Pro His Pro
20 25 30

Pro Leu Ser Trp Glu Lys Asp Gly Gly Xaa Val Arg Gln Asp Leu Ala
35 40 45

Gln Leu Met Asn Ser Ser Gly Ser His Lys Asp Leu Ala Gly Lys Tyr
50 55 60

Arg Gln Ile Leu Glu Lys Ala Ile Gln Leu Ser Gly Ala Glu Gln Leu
65 70 75 80

Glu Ala Leu Lys Ala Phe Val Glu Ala Met Val Asn Glu Asn Val Ser
85 90 95

Leu Val Ile Ser Arg Gln Leu Leu Thr Asp Phe Cys Thr His Leu Pro
100 105 110

Asn Leu Pro Asp Ser Thr Ala Lys Glu Ile Tyr His Phe Thr Leu Glu
115 120 125

Lys Ile Gln Pro Arg Val Ile Ser Phe Glu Glu Gln Val Ala Ser Ile
130 135 140

Arg Gln His Leu Ala Ser Ile Tyr Glu Lys Glu Glu Asp Trp Arg Asn
145 150 155 160

Ala Ala Gln Val Leu Val Gly Ile Pro Leu Glu Thr Gly Gln Lys Gln
165 170 175

Tyr Asn Val Asp Tyr Lys Leu Glu Thr Tyr Leu Lys Ile Ala Arg Leu
180 185 190

Tyr Leu Glu Asp Asp Asp Pro Val Gln Ala Glu Ala Tyr Ile Asn Arg
195 200 205

Ala Ser Leu Leu Gln Asn Glu Ser Thr Asn Glu Gln Leu Gln Ile His
210 215 220

Tyr Lys Val Cys Tyr Ala Arg Val Leu Asp Tyr Arg Arg Lys Phe Ile
225 230 235 240

Glu Ala Ala Gln Arg Tyr Asn Glu Leu Ser Tyr Lys Thr Ile Val His
245 250 255

Glu Ser Glu Arg Leu Glu Ala Leu Lys His Ala Leu His Cys Thr Ile
260 265 270

BNSDOCID: <WO 0122920A2 I >

```
Leu Ala Ser Ala Gly Gln Gln Arg Ser Arg Met Leu Ala Thr Leu Phe
        275                 280                 285

Lys Asp Glu Arg Cys Gln Gln Leu Ala Ala Tyr Gly Ile Leu Glu Lys
    290                 295                 300

Met Tyr Leu Asp Arg Ile Ile Arg Gly Asn Gln Leu Gln Glu Phe Ala
305                 310                 315                 320

Ala Met Leu Met Pro His Gln Lys Ala Thr Thr Ala Asp Gly Ser Ser
                325                 330                 335

Ile Leu Asp Arg Ala Val Ile Glu His Asn Leu Leu Ser Ala Ser Lys
            340                 345                 350

Leu Tyr Asn Asn Ile Thr Phe Glu Glu Leu Gly Ala Leu Leu Glu Ile
        355                 360                 365

Pro Ala Ala Lys Ala Glu Lys Ile Ala Ser Gln Met Ile Thr Glu Asp
    370                 375                 380

Val
385
```

<210> 4604
<211> 120
<212> PRT
<213> Homo sapiens

<400> 4604

```
Ala His Gly Gln Ile Glu Gly Lys Ala Leu Thr His Asp His Thr Ala
  1               5                  10                  15

Glu Lys Trp Gln Arg Gln Asp Leu Asn Leu Glu Pro Leu Ala Pro His
             20                  25                  30

Thr Ser Asn Leu Asn His Ser Pro Tyr Asn Thr Thr Tyr Val Val Lys
         35                  40                  45

Met Cys Gly Gly His Ala Ile Asn Val Gly Pro Phe Thr Val Ala Gly
     50                  55                  60

Arg Gly Arg Asn Leu Gln Phe Leu Arg Val Leu Leu Leu Arg Cys Pro
 65                  70                  75                  80

Pro Val Leu Gly His Ser Cys Ser Leu Pro Cys Pro Ala Trp Ser His
                85                  90                  95
```

BNSDOCID: <WO___0122920A2_I_>

```
Pro Pro Ser Ala Asn Arg Ser Leu Gly Arg Val Leu Trp Ala Leu Ile
            100                 105                 110

Arg Pro Trp Gln Gly Arg Ser Ser
        115                 120
```

<210> 4605
<211> 390
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4605

```
Thr Ser Val Ala Ala Ala Ala Ala Arg Gly Arg Ala Gly Cys Pro Leu
  1               5                  10                  15

Thr Ala Ala Ser Ala Ala Arg Phe Lys Met Ala Ala Cys Ser His Ser
             20                  25                  30

Phe Ser Ala Glu Arg Leu Leu Thr Phe Ile Val Phe Ser Ala Arg Phe
         35                  40                  45

Asp Arg Leu Xaa Pro Ala Ala Leu Ser Gly Ile Phe Tyr Gln Ala Glu
     50                  55                  60

Met His Arg Thr Thr Arg Ile Lys Ile Thr Glu Leu Asn Pro His Leu
 65                  70                  75                  80

Met Cys Val Leu Cys Gly Gly Tyr Phe Ile Asp Ala Thr Thr Ile Ile
                 85                  90                  95

Glu Cys Leu His Ser Phe Cys Lys Thr Cys Ile Val Arg Tyr Leu Glu
            100                 105                 110

Thr Ser Lys Tyr Cys Pro Ile Cys Asp Val Gln Val His Lys Thr Arg
        115                 120                 125

Pro Leu Leu Asn Ile Arg Ser Asp Lys Thr Leu Gln Asp Ile Val Tyr
    130                 135                 140

Lys Leu Val Pro Gly Leu Phe Lys Asn Glu Met Lys Arg Arg Arg Asp
145                 150                 155                 160

Phe Tyr Ala Ala His Pro Ser Ala Asp Ala Ala Asn Gly Ser Asn Glu
                165                 170                 175
```

```
Asp Arg Gly Glu Val Ala Asp Glu Asp Lys Arg Ile Ile Thr Asp Asp
            180                 185                 190

Glu Ile Ile Ser Leu Ser Ile Glu Phe Phe Asp Gln Asn Arg Leu Asp
        195                 200                 205

Arg Lys Val Asn Lys Asp Lys Glu Lys Ser Lys Glu Glu Val Asn Asp
    210                 215                 220

Lys Arg Tyr Leu Arg Cys Pro Ala Ala Met Thr Val Met His Leu Arg
225                 230                 235                 240

Lys Phe Leu Arg Ser Lys Met Asp Ile Pro Asn Thr Phe Gln Ile Asp
                245                 250                 255

Val Met Tyr Glu Glu Glu Pro Leu Lys Asp Tyr Tyr Thr Leu Met Asp
            260                 265                 270

Ile Ala Tyr Ile Tyr Thr Trp Arg Arg Asn Gly Pro Leu Pro Leu Lys
        275                 280                 285

Tyr Arg Val Arg Pro Thr Cys Lys Arg Met Lys Ile Ser His Gln Arg
    290                 295                 300

Asp Gly Leu Thr Asn Ala Gly Glu Leu Glu Ser Asp Ser Gly Ser Asp
305                 310                 315                 320

Lys Ala Asn Ser Pro Ala Gly Gly Ile Pro Ser Thr Ser Ser Cys Leu
                325                 330                 335

Pro Ser Pro Ser Thr Pro Val Gln Ser Pro His Pro Gln Phe Pro His
            340                 345                 350

Ile Ser Ser Thr Met Asn Gly Thr Ser Asn Ser Pro Ser Gly Asn His
        355                 360                 365

Gln Ser Ser Phe Ala Asn Arg Pro Arg Lys Ser Ser Val Asn Gly Ser
    370                 375                 380

Ser Ala Thr Ser Ser Gly
385                 390
```

<210> 4606
<211> 197
<212> PRT
<213> Homo sapiens

<400> 4606

BNSDOCID: <WO__0122920A2 I_>

```
Leu Thr Gly Leu Ser Ile Ser Ser Thr Pro Pro Ala Val Ser Ser Val
 1               5                  10                  15

Leu Ser Thr Gly Val Pro Thr Val Pro Leu Leu Pro Pro Gln Val Asn
            20                  25                  30

Gln Ser Leu Thr Ser Val Pro Pro Met Asn Pro Ala Thr Thr Leu Pro
        35                  40                  45

Gly Leu Met Pro Leu Pro Ala Gly Leu Pro Asn Leu Pro Asn Leu Asn
    50                  55                  60

Leu Asn Leu Pro Ala Pro His Ile Met Pro Gly Val Gly Leu Pro Glu
65                  70                  75                  80

Leu Val Asn Pro Gly Leu Pro Pro Leu Pro Ser Met Pro Pro Arg Asn
                85                  90                  95

Leu Pro Gly Ile Ala Pro Leu Pro Leu Pro Ser Glu Phe Leu Pro Ser
            100                 105                 110

Phe Pro Leu Val Pro Glu Ser Ser Ser Ala Ala Ser Ser Gly Glu Leu
        115                 120                 125

Leu Ser Ser Leu Pro Pro Thr Ser Asn Ala Pro Ser Asp Pro Ala Thr
    130                 135                 140

Thr Thr Ala Lys Ala Asp Ala Ala Ser Ser Leu Thr Val Asp Val Thr
145                 150                 155                 160

Pro Pro Thr Ala Lys Ala Pro Thr Thr Val Glu Asp Arg Val Gly Asp
                165                 170                 175

Ser Thr Pro Val Ser Glu Lys Pro Val Ser Ala Ala Val Asp Ala Asn
            180                 185                 190

Ala Ser Glu Ser Pro
        195
```

<210> 4607
<211> 96
<212> PRT
<213> Homo sapiens

<400> 4607

```
Leu Met Phe Tyr Val Leu Phe Trp Thr Leu Ser Ser Cys Lys Asn Phe
 1               5                  10                  15

Tyr Lys Asn Cys Phe Leu His Pro Cys Gly Ala Tyr Ser Ser Glu Pro
```

```
            20                  25                  30

Ser Pro Gln Ser Gln Cys Leu Cys Phe Leu Phe Tyr Phe Cys Ser Ile
        35                  40                  45

Arg Phe Leu Leu Leu Leu Cys Leu Lys Ser Ser Leu Gly Ser Tyr Gln
    50                  55                  60

Gly Phe Ser Phe Cys Val Ala Phe Ala Ala Trp Ile Lys His Trp Leu
65                  70                  75                  80

Thr Val Leu Met Cys Glu Glu Lys Lys Phe Ser Lys Ala Gly Glu Leu
                85                  90                  95
```

<210> 4608
<211> 298
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4608

```
Pro Cys Ala Trp Arg Ala Ala Arg Gly Gly Pro Cys Ala Ala Pro Leu
  1               5                  10                  15

Gly Leu Arg Glu Arg Gly Arg Val Ser Xaa Arg Leu Leu Gly Pro Ala
            20                  25                  30

Ala Ala Arg Ala Leu Leu Leu Gly Leu Pro Gly Arg Thr Leu Glu Ala
        35                  40                  45

Ala Ser Gly Arg Ser Trp Leu Ala Ala Ala Arg Asp Arg Pro Ala Glu
    50                  55                  60
```

```
Pro Leu Phe Gly Arg Gly Glu Gly Gly Ser Gln Ala Ser Gly Xaa Ala
 65                  70                  75                  80

Gly Ala Ala Ala Glu Ala Pro Gly Xaa Gln Trp Gly Pro Ala Ser Thr
                 85                  90                  95

Pro Ser Leu Tyr Glu Asn Pro Trp Thr Ile Pro Asn Met Leu Ser Met
            100                 105                 110

Thr Arg Ile Gly Leu Ala Pro Val Leu Gly Tyr Leu Ile Ile Glu Glu
        115                 120                 125

Asp Phe Asn Ile Ala Leu Gly Val Phe Ala Leu Ala Gly Leu Thr Asp
    130                 135                 140

Leu Leu Asp Gly Phe Ile Ala Arg Asn Trp Ala Asn Gln Arg Ser Ala
145                 150                 155                 160

Leu Gly Ser Ala Leu Asp Pro Leu Ala Asp Lys Ile Leu Ile Ser Ile
                165                 170                 175

Leu Tyr Val Ser Leu Thr Tyr Ala Asp Leu Ile Pro Val Pro Leu Thr
            180                 185                 190

Tyr Met Ile Ile Ser Arg Asp Val Met Leu Ile Ala Ala Val Phe Tyr
        195                 200                 205

Val Arg Tyr Arg Thr Leu Pro Thr Pro Arg Thr Leu Ala Lys Tyr Phe
    210                 215                 220

Asn Pro Cys Tyr Ala Thr Ala Arg Leu Lys Pro Thr Phe Ile Ser Lys
225                 230                 235                 240

Val Asn Thr Ala Val Gln Leu Ile Leu Val Ala Ala Ser Leu Ala Ala
                245                 250                 255

Pro Val Phe Asn Tyr Ala Asp Ser Ile Tyr Leu Gln Ile Leu Trp Cys
            260                 265                 270

Phe Thr Ala Phe Thr Thr Ala Ala Ser Ala Tyr Ser Tyr Tyr His Tyr
        275                 280                 285

Gly Arg Lys Thr Val Gln Val Ile Lys Asp
    290                 295
```

<210> 4609
<211> 279
<212> PRT

<213> Homo sapiens

<400> 4609

```
Glu Gly Pro Ala Glu Gly Asn Met Ala Ala Lys Val Phe Glu Ser Ile
  1               5                  10                  15

Gly Lys Phe Gly Leu Ala Leu Ala Val Ala Gly Gly Val Val Asn Ser
             20                  25                  30

Ala Leu Tyr Asn Val Asp Ala Gly His Arg Ala Val Ile Phe Asp Arg
         35                  40                  45

Phe Arg Gly Val Gln Asp Ile Val Val Gly Glu Gly Thr His Phe Leu
     50                  55                  60

Ile Pro Trp Val Gln Lys Pro Ile Ile Phe Asp Cys Arg Ser Arg Pro
 65                  70                  75                  80

Arg Asn Val Pro Val Ile Thr Gly Ser Lys Asp Leu Gln Asn Val Asn
                 85                  90                  95

Ile Thr Leu Arg Ile Leu Phe Arg Pro Val Ala Ser Gln Leu Pro Arg
            100                 105                 110

Ile Phe Thr Ser Ile Gly Glu Asp Tyr Asp Glu Arg Val Leu Pro Ser
        115                 120                 125

Ile Thr Thr Glu Ile Leu Lys Ser Val Val Ala Arg Phe Asp Ala Gly
    130                 135                 140

Glu Leu Ile Thr Gln Arg Glu Leu Val Ser Arg Gln Val Ser Asp Asp
145                 150                 155                 160

Leu Thr Glu Arg Ala Ala Thr Phe Gly Leu Ile Leu Asp Asp Val Ser
                165                 170                 175

Leu Thr His Leu Thr Phe Gly Lys Glu Phe Thr Glu Ala Val Glu Ala
            180                 185                 190

Lys Gln Val Ala Gln Gln Glu Ala Glu Arg Ala Arg Phe Val Val Glu
        195                 200                 205

Lys Ala Glu Gln Gln Lys Lys Ala Ala Ile Ile Ser Ala Glu Gly Asp
    210                 215                 220

Ser Lys Ala Ala Glu Leu Ile Ala Asn Ser Leu Ala Thr Ala Gly Asp
225                 230                 235                 240

Gly Leu Ile Glu Leu Arg Lys Leu Glu Ala Ala Glu Asp Ile Ala Tyr
                245                 250                 255
```

BNSDOCID: <WO_..0122920A2 I_>

```
Gln Leu Ser Arg Ser Arg Asn Ile Thr Tyr Leu Pro Ala Gly Gln Ser
            260                 265                 270

Val Leu Leu Gln Leu Pro Gln
        275
```

<210> 4610
<211> 406
<212> PRT
<213> Homo sapiens

<400> 4610

```
Val Thr Ala Cys Ala Ala Pro Ala Ala Trp Leu Pro Ile Leu Val Ala
  1               5                  10                  15

Asp Ile Trp Ser Ser Tyr Asn Met Ala Asp Ile Asp Asn Lys Glu Gln
             20                  25                  30

Ser Glu Leu Asp Gln Asp Leu Asp Asp Val Glu Glu Val Glu Glu Glu
         35                  40                  45

Glu Thr Gly Glu Glu Thr Lys Leu Lys Ala Arg Gln Leu Thr Val Gln
     50                  55                  60

Met Met Gln Asn Pro Gln Ile Leu Ala Ala Leu Gln Glu Arg Leu Asp
 65                  70                  75                  80

Gly Leu Val Glu Thr Pro Thr Gly Tyr Ile Glu Ser Leu Pro Arg Val
                 85                  90                  95

Val Lys Arg Arg Val Asn Ala Leu Lys Asn Leu Gln Val Lys Cys Ala
            100                 105                 110

Gln Ile Glu Ala Lys Phe Tyr Glu Glu Val His Asp Leu Glu Arg Lys
        115                 120                 125

Tyr Ala Val Leu Tyr Gln Pro Leu Phe Asp Lys Arg Phe Glu Ile Ile
    130                 135                 140

Asn Ala Ile Tyr Glu Pro Thr Glu Glu Glu Cys Glu Trp Lys Pro Asp
145                 150                 155                 160

Glu Glu Asp Glu Ile Ser Glu Glu Leu Lys Glu Lys Ala Lys Ile Glu
                165                 170                 175

Asp Glu Lys Lys Asp Glu Glu Lys Glu Asp Pro Lys Gly Ile Pro Glu
            180                 185                 190

Phe Trp Leu Thr Val Phe Lys Asn Val Asp Leu Leu Ser Asp Met Val
```

BNSDOCID: <WO__0122920A2 I >

195 200 205

Gln Glu His Asp Glu Pro Ile Leu Lys His Leu Lys Asp Ile Lys Val
210 215 220

Lys Phe Ser Asp Ala Gly Gln Pro Met Ser Phe Val Leu Glu Phe His
225 230 235 240

Phe Glu Pro Asn Glu Tyr Phe Thr Asn Glu Val Leu Thr Lys Thr Tyr
245 250 255

Arg Met Arg Ser Glu Pro Asp Asp Ser Asp Pro Phe Ser Phe Asp Gly
260 265 270

Pro Glu Ile Met Gly Cys Thr Gly Cys Gln Ile Asp Trp Lys Lys Gly
275 280 285

Lys Asn Val Thr Leu Lys Thr Ile Lys Lys Lys Gln Lys His Lys Gly
290 295 300

Arg Gly Thr Val Arg Thr Val Thr Lys Thr Val Ser Asn Asp Ser Phe
305 310 315 320

Phe Asn Phe Phe Ala Pro Pro Glu Val Pro Glu Ser Gly Asp Leu Asp
325 330 335

Asp Asp Ala Glu Ala Ile Leu Ala Ala Asp Phe Glu Ile Gly His Phe
340 345 350

Leu Arg Glu Arg Ile Ile Pro Arg Ser Val Leu Tyr Phe Thr Gly Glu
355 360 365

Ala Ile Glu Asp Asp Asp Asp Asp Tyr Asp Glu Glu Gly Glu Glu Ala
370 375 380

Asp Glu Gly Tyr Gln Leu Phe Glu Glu Val Lys Ser Cys Ser Lys Leu
385 390 395 400

Phe Gln Arg Trp Leu Gln
405

<210> 4611
<211> 126
<212> PRT
<213> Homo sapiens

<400> 4611
Gly Val Val Lys Ser Leu Leu Phe Thr Arg Cys Asn Val Leu Val Pro
1 5 10 15

```
Tyr Lys Gln Gly Trp Gly Gly Glu Gly Arg Ala Lys Thr Asn Ile Glu
            20                  25                  30

Ile Leu Lys Gln Gln Gln Ser Glu Trp Ile Leu Phe Phe Val Ile Val
        35                  40                  45

Gly Gly Leu Lys Asn Ser Pro His Val Ile Ile Val Asn Thr Leu Leu
    50                  55                  60

Cys Gly His Cys Asn Ile Trp Gly Val Gly Gln Gly Gly Lys Val Thr
65                  70                  75                  80

Ile Val His Met Ser Leu Ala Ser Val Gln Ser Ser Val Gln Asn Val
                85                  90                  95

Met Leu Phe Cys Lys Lys Arg Phe Met Ile Phe Lys Ile Asn Leu Val
            100                 105                 110

Asn Leu Phe Leu Val Val Ile Phe Phe Leu Arg Gln Ser Phe
        115                 120                 125
```

<210> 4612
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4612

```
Gln Glu Leu Arg Ser Pro Ser Arg Ser Pro Ser Pro Pro Pro Lys Ser
  1               5                  10                  15

Pro Pro Trp Thr Thr Gly Gly Ser Leu Cys Glu Gln Leu Ala Phe Arg
            20                  25                  30

Lys Pro Leu Ser Val Phe Lys Gln Lys Val Glu Gly Ala Thr Lys Gln
        35                  40                  45

Ala Ala Val Arg Ala Ser Xaa Cys Arg Pro Leu Pro Cys Ser Ser Ser
    50                  55                  60

Ser Phe Ala Ser Ala Ser Ser Val Met Phe Cys Leu Glu Phe Tyr Leu
65                  70                  75                  80

Asp Phe Phe Ser Gly Tyr Phe Ser Val Phe Gln Pro Leu Leu
```

85 90

<210> 4613
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4613
Lys Lys Ser Leu Arg Cys Glu Tyr Arg Ile Asp Ile Glu Arg Leu Tyr
1 5 10 15

Met Ser Lys Thr His Leu Ser Ser Ser His Arg Pro Leu Gln Ser Gly
20 25 30

His Val Gly Gln Xaa Gly Thr Gly Ala Gly Asp Ala Pro Pro Gly Gln
35 40 45

Asn Ala Pro Phe Val Ala Leu Pro Asp Thr Xaa Tyr Leu Leu Xaa Lys
50 55 60

Arg Glu Thr Gly Ser
65

<210> 4614
<211> 165
<212> PRT
<213> Homo sapiens

<400> 4614
Asp Pro Arg Thr Met Asn Leu Ala Ile Ser Ile Ala Leu Leu Leu Thr
1 5 10 15

```
Val Leu Gln Val Ser Arg Gly Gln Lys Val Thr Ser Leu Thr Ala Cys
            20                  25                  30

Leu Val Asp Gln Ser Leu Arg Leu Asp Cys Arg His Glu Asn Thr Ser
        35                  40                  45

Ser Ser Pro Ile Gln Tyr Glu Phe Ser Leu Thr Arg Glu Thr Lys Lys
    50                  55                  60

His Val Leu Phe Gly Thr Val Gly Val Pro Glu His Thr Tyr Arg Ser
65                  70                  75                  80

Arg Thr Asn Phe Thr Ser Lys Tyr Asn Met Lys Val Leu Tyr Leu Ser
                85                  90                  95

Ala Phe Thr Ser Lys Asp Glu Gly Thr Tyr Thr Cys Ala Leu His His
            100                 105                 110

Ser Gly His Ser Pro Pro Ile Ser Ser Gln Asn Val Thr Val Leu Arg
        115                 120                 125

Asp Lys Leu Val Lys Cys Glu Gly Ile Ser Leu Leu Ala Gln Asn Thr
    130                 135                 140

Ser Trp Leu Leu Leu Leu Leu Leu Ser Leu Ser Leu Leu Gln Ala Thr
145                 150                 155                 160

Asp Phe Met Ser Leu
                165
```

<210> 4615
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4615

```
Ser Leu Cys Phe Ile Asp Gly Lys Tyr His Lys Gln Ile Lys Ile Glu
  1                 5                  10                  15

Glu Asn Ala Thr Gly Phe Ser Tyr Glu Ser Leu Phe Arg Glu Tyr Leu
            20                  25                  30

Asn Glu Thr Val Thr Glu Val Trp Ile Glu Asp Pro Tyr Ile Arg His
        35                  40                  45
```

```
Thr His Gln Gly Ile Asp Gln Val Gln Gln Ser Arg Gly Leu Gln Glu
     50                  55                  60

Ile Glu Glu Ser Leu Arg Ser His Gly Ser Ala Xaa Gly Arg Ser Ile
 65                  70                  75                  80

Leu Phe Phe Asn Thr
                 85
```

<210> 4616
<211> 366
<212> PRT
<213> Homo sapiens

<400> 4616

```
Pro Gly Ser Thr His Ala Ser Gly Lys Ile Gln Asn Lys Trp Leu Arg
  1               5                  10                  15

Pro Ser Pro Arg Ser His Arg Thr Pro Glu Ser Gly Arg Val Leu Ser
             20                  25                  30

Leu Phe Arg Leu Pro Pro Pro Gly Met Ala Leu Ser Gly Ser Thr Pro
         35                  40                  45

Ala Pro Cys Trp Glu Glu Asp Glu Cys Leu Asp Tyr Tyr Gly Met Leu
     50                  55                  60

Ser Leu His Arg Met Phe Glu Val Val Gly Gly Gln Leu Thr Glu Cys
 65                  70                  75                  80

Glu Leu Glu Leu Leu Ala Phe Leu Leu Asp Glu Ala Pro Gly Ala Ala
                 85                  90                  95

Gly Gly Leu Ala Arg Ala Arg Ser Gly Leu Glu Leu Leu Leu Glu Leu
            100                 105                 110

Glu Arg Arg Gly Gln Cys Asp Glu Ser Asn Leu Arg Leu Leu Gly Gln
        115                 120                 125

Leu Leu Arg Val Leu Ala Arg His Asp Leu Leu Pro His Leu Ala Arg
    130                 135                 140

Lys Arg Arg Arg Pro Val Ser Pro Glu Arg Tyr Ser Tyr Gly Thr Ser
145                 150                 155                 160

Ser Ser Ser Lys Arg Thr Glu Gly Ser Cys Arg Arg Arg Arg Gln Ser
                165                 170                 175
```

BNSDOCID: <WO__ 0122920A2_I_>

```
Ser Ser Ser Ala Asn Ser Gln Gln Gly Gln Trp Glu Thr Gly Ser Pro
            180                 185                 190

Pro Thr Lys Arg Gln Arg Arg Ser Arg Gly Arg Pro Ser Gly Gly Ala
        195                 200                 205

Arg Arg Arg Arg Arg Gly Ala Pro Ala Ala Pro Gln Gln Gln Ser Glu
    210                 215                 220

Pro Ala Arg Pro Ser Ser Glu Gly Lys Val Thr Cys Asp Ile Arg Leu
225                 230                 235                 240

Arg Val Arg Ala Glu Tyr Cys Glu His Gly Pro Ala Leu Glu Gln Gly
                245                 250                 255

Val Ala Ser Arg Arg Pro Gln Ala Leu Ala Arg Gln Leu Asp Val Phe
            260                 265                 270

Gly Gln Ala Thr Ala Val Leu Arg Ser Arg Asp Leu Gly Ser Val Val
        275                 280                 285

Cys Asp Ile Lys Phe Ser Glu Leu Ser Tyr Leu Asp Ala Phe Trp Gly
    290                 295                 300

Asp Tyr Leu Ser Gly Ala Leu Leu Gln Ala Leu Arg Gly Val Phe Leu
305                 310                 315                 320

Thr Glu Ala Leu Arg Glu Ala Val Gly Arg Glu Ala Val Arg Leu Leu
                325                 330                 335

Val Ser Val Asp Glu Ala Asp Tyr Glu Ala Gly Arg Arg Arg Leu Leu
            340                 345                 350

Leu Met Glu Glu Glu Gly Gly Arg Arg Pro Thr Glu Ala Ser
        355                 360                 365
```

<210> 4617
<211> 482
<212> PRT
<213> Homo sapiens

<400> 4617

```
Arg Glu Gln Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr
  1               5                  10                  15

Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Met Val Leu Gln
             20                  25                  30

Thr Thr Lys Gly Leu Arg Leu Leu Phe Asp Gly Asp Ala His Leu Leu
```

```
         35                  40                  45

Met Ser Ile Pro Ser Pro Phe Arg Gly Arg Leu Cys Gly Leu Cys Gly
     50                  55                  60

Asn Phe Asn Gly Asn Trp Ser Asp Asp Phe Val Leu Pro Asn Gly Ser
 65                  70                  75                  80

Ala Ala Ser Ser Val Glu Thr Phe Gly Ala Ala Trp Arg Val Pro Gly
                 85                  90                  95

Ser Ser Lys Gly Cys Gly Glu Gly Cys Gly Pro Gln Gly Cys Pro Val
            100                 105                 110

Cys Leu Ala Glu Glu Thr Ala Pro Tyr Glu Ser Asn Glu Ala Cys Gly
        115                 120                 125

Gln Leu Arg Asn Pro Gln Gly Pro Phe Ala Thr Cys Gln Ala Val Leu
    130                 135                 140

Ser Pro Ser Glu Tyr Phe Arg Gln Cys Val Tyr Asp Leu Cys Ala Gln
145                 150                 155                 160

Lys Gly Asp Lys Ala Phe Leu Cys Arg Ser Leu Ala Ala Tyr Thr Ala
                165                 170                 175

Ala Cys Gln Ala Ala Gly Val Ala Val Lys Pro Trp Arg Thr Asp Ser
            180                 185                 190

Phe Cys Pro Leu His Cys Pro Ala His Ser His Tyr Ser Ile Cys Thr
        195                 200                 205

Arg Thr Cys Gln Gly Ser Cys Ala Ala Leu Ser Gly Leu Thr Gly Cys
    210                 215                 220

Thr Thr Arg Cys Phe Glu Gly Cys Glu Cys Asp Asp Arg Phe Leu Leu
225                 230                 235                 240

Ser Gln Gly Val Cys Ile Pro Val Gln Asp Cys Gly Cys Thr His Asn
                245                 250                 255

Gly Arg Tyr Leu Pro Val Asn Ser Ser Leu Leu Thr Ser Asp Cys Ser
            260                 265                 270

Glu Arg Cys Ser Cys Ser Ser Ser Ser Gly Leu Thr Cys Gln Ala Ala
        275                 280                 285

Gly Cys Pro Pro Gly Arg Val Cys Glu Val Lys Ala Glu Ala Arg Asn
    290                 295                 300

Cys Trp Ala Thr Arg Gly Leu Cys Val Leu Ser Val Gly Ala Asn Leu
```

```
305                 310                 315                 320

Thr Thr Phe Asp Gly Ala Arg Gly Ala Thr Thr Ser Pro Gly Val Tyr
                325                 330                 335

Glu Leu Ser Ser Arg Cys Pro Gly Leu Gln Asn Thr Ile Pro Trp Tyr
            340                 345                 350

Arg Val Val Ala Glu Val Gln Ile Cys His Gly Lys Thr Glu Ala Val
        355                 360                 365

Gly Gln Val His Ile Phe Phe Gln Asp Gly Met Val Thr Leu Thr Pro
    370                 375                 380

Asn Lys Gly Val Trp Val Asn Gly Leu Arg Val Asp Leu Pro Ala Glu
385                 390                 395                 400

Lys Leu Ala Ser Val Ser Val Ser Arg Thr Pro Asp Gly Ser Leu Leu
                405                 410                 415

Val Arg Gln Lys Ala Gly Val Gln Val Trp Leu Gly Ala Asn Gly Lys
            420                 425                 430

Val Ala Val Ile Val Ser Asn Asp His Ala Gly Lys Leu Cys Gly Ala
        435                 440                 445

Cys Gly Asn Phe Asp Gly Asp Gln Thr Asn Asp Trp His Asp Ser Gln
    450                 455                 460

Glu Lys Pro Ala Met Glu Lys Trp Arg Ala Gln Asp Phe Ser Pro Cys
465                 470                 475                 480

Tyr Gly
```

<210> 4618
<211> 552
<212> PRT
<213> Homo sapiens

```
<400> 4618
Thr Val Gly Ser Asp Arg Asp Thr Leu Ala Lys Arg Leu Pro Ala Ala
  1               5                  10                  15

Ala Ser Gly Gly Thr Ser Ile Cys Ser Gly Leu Arg Ser Ala Phe Thr
             20                  25                  30

Val Ile Arg Lys Lys Tyr Pro Thr Asp Gly Ser Glu Ile Val Leu Leu
         35                  40                  45
```

BNSDOCID: <WO__0122920A2_I_>

```
Thr Asp Gly Glu Asp Asn Thr Ile Ser Gly Cys Phe Asn Glu Val Lys
     50                  55                  60

Gln Ser Gly Ala Ile Ile His Thr Val Ala Leu Gly Pro Ser Ala Ala
 65                  70                  75                  80

Gln Glu Leu Glu Glu Leu Ser Lys Met Thr Gly Gly Leu Gln Thr Tyr
                 85                  90                  95

Ala Ser Asp Gln Val Gln Asn Asn Gly Leu Ile Asp Ala Phe Gly Ala
            100                 105                 110

Leu Ser Ser Gly Asn Gly Ala Val Ser Gln Arg Ser Ile Gln Leu Glu
        115                 120                 125

Ser Lys Gly Leu Thr Leu Gln Asn Ser Gln Trp Met Asn Gly Thr Val
    130                 135                 140

Ile Val Asp Ser Thr Val Gly Lys Asp Thr Leu Phe Leu Ile Thr Trp
145                 150                 155                 160

Thr Thr Gln Pro Pro Gln Ile Leu Leu Trp Asp Pro Ser Gly Gln Lys
                165                 170                 175

Gln Gly Gly Phe Val Val Asp Lys Asn Thr Lys Met Ala Tyr Leu Gln
            180                 185                 190

Ile Pro Gly Ile Ala Lys Val Gly Thr Trp Lys Tyr Ser Leu Gln Ala
        195                 200                 205

Ser Ser Gln Thr Leu Thr Leu Thr Val Thr Ser Arg Ala Ser Asn Ala
    210                 215                 220

Thr Leu Pro Pro Ile Thr Val Thr Ser Lys Thr Asn Lys Asp Thr Ser
225                 230                 235                 240

Lys Phe Pro Ser Pro Leu Val Val Tyr Ala Asn Ile Arg Gln Gly Ala
                245                 250                 255

Ser Pro Ile Leu Arg Ala Ser Val Thr Ala Leu Ile Glu Ser Val Asn
            260                 265                 270

Gly Lys Thr Val Thr Leu Glu Leu Leu Asp Asn Gly Ala Gly Ala Asp
        275                 280                 285

Ala Thr Lys Asp Asp Gly Val Tyr Ser Arg Tyr Phe Thr Thr Tyr Asp
    290                 295                 300

Thr Asn Gly Arg Tyr Ser Val Lys Val Arg Ala Leu Gly Gly Val Asn
305                 310                 315                 320
```

BNSDOCID: <WO_ 0122920A2_I_ >

```
Ala Ala Arg Arg Arg Val Ile Pro Gln Gln Ser Gly Ala Leu Tyr Ile
                325                 330                 335

Pro Gly Trp Ile Glu Asn Asp Glu Ile Gln Trp Asn Pro Pro Arg Pro
            340                 345                 350

Glu Ile Asn Lys Asp Asp Val Gln His Lys Gln Val Cys Phe Ser Arg
        355                 360                 365

Thr Ser Ser Gly Gly Ser Phe Val Ala Ser Asp Val Pro Asn Ala Pro
    370                 375                 380

Ile Pro Asp Leu Phe Pro Pro Gly Gln Ile Thr Asp Leu Lys Ala Glu
385                 390                 395                 400

Ile His Gly Gly Ser Leu Ile Asn Leu Thr Trp Thr Ala Pro Gly Asp
                405                 410                 415

Asp Tyr Asp His Gly Thr Ala His Lys Tyr Ile Ile Arg Ile Ser Thr
            420                 425                 430

Ser Ile Leu Asp Leu Arg Asp Lys Phe Asn Glu Ser Leu Gln Val Asn
        435                 440                 445

Thr Thr Ala Leu Ile Pro Lys Glu Ala Asn Ser Glu Glu Val Phe Leu
    450                 455                 460

Phe Lys Pro Glu Thr Ile Thr Phe Glu Asn Gly Thr Asp Leu Phe Ile
465                 470                 475                 480

Ala Ile Gln Ala Val Asp Lys Val Asp Leu Lys Ser Glu Ile Ser Asn
                485                 490                 495

Ile Ala Arg Val Ser Leu Phe Ile Pro Pro Gln Thr Pro Pro Glu Thr
            500                 505                 510

Pro Ser Pro Asp Glu Thr Ser Ala Pro Cys Pro Asn Ile His Ile Asn
        515                 520                 525

Ser Thr Ile Pro Gly Ile His Ile Leu Lys Ile Met Trp Lys Trp Ile
    530                 535                 540

Gly Glu Leu Gln Leu Ser Ile Ala
545                 550
```

<210> 4619
<211> 501
<212> PRT

BNSDOCID: <WO___0122920A2 I_>

<213> Homo sapiens

<220>
<221> SITE
<222> (179)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4619

```
Gly Thr Ser Gly Gly Gly Ala Gly Ala Met Ala Val Leu Leu Glu Thr
  1               5                  10                  15

Thr Leu Gly Asp Val Val Ile Asp Leu Tyr Thr Glu Glu Arg Pro Arg
             20                  25                  30

Ala Cys Leu Asn Phe Leu Lys Leu Cys Lys Ile Lys Tyr Tyr Asn Tyr
         35                  40                  45

Cys Leu Ile His Asn Val Gln Arg Asp Phe Ile Ile Gln Thr Gly Asp
     50                  55                  60

Pro Thr Gly Thr Gly Arg Gly Gly Glu Ser Ile Phe Gly Gln Leu Tyr
 65                  70                  75                  80

Gly Asp Gln Ala Ser Phe Phe Glu Ala Glu Lys Val Pro Arg Ile Lys
                 85                  90                  95

His Lys Lys Lys Gly Thr Val Ser Met Val Asn Asn Gly Ser Asp Gln
            100                 105                 110

His Gly Ser Gln Phe Leu Ile Thr Thr Gly Glu Asn Leu Asp Tyr Leu
        115                 120                 125

Asp Gly Val His Thr Val Phe Gly Glu Val Thr Glu Gly Met Asp Ile
    130                 135                 140

Ile Lys Lys Ile Asn Glu Thr Phe Val Asp Lys Asp Phe Val Pro Tyr
145                 150                 155                 160

Gln Asp Ile Arg Ile Asn His Thr Val Ile Leu Asp Asp Pro Phe Asp
                165                 170                 175

Asp Pro Xaa Asp Leu Leu Ile Pro Asp Arg Ser Pro Glu Pro Thr Arg
            180                 185                 190

Glu Gln Leu Asp Ser Gly Arg Ile Gly Ala Asp Glu Glu Ile Asp Asp
        195                 200                 205

Phe Lys Gly Arg Ser Ala Glu Glu Val Glu Glu Ile Lys Ala Glu Lys
    210                 215                 220

Glu Ala Lys Thr Gln Ala Ile Leu Leu Glu Met Val Gly Asp Leu Pro
```

225 230 235 240

Asp Ala Asp Ile Lys Pro Pro Glu Asn Val Leu Phe Val Cys Lys Leu
245 250 255

Asn Pro Val Thr Thr Asp Glu Asp Leu Glu Ile Ile Phe Ser Arg Phe
260 265 270

Gly Pro Ile Arg Ser Cys Glu Val Ile Arg Asp Trp Lys Thr Gly Glu
275 280 285

Ser Leu Cys Tyr Ala Phe Ile Glu Phe Glu Lys Glu Glu Asp Cys Glu
290 295 300

Lys Ala Phe Phe Lys Met Asp Asn Val Leu Ile Asp Asp Arg Arg Ile
305 310 315 320

His Val Asp Phe Ser Gln Ser Val Ala Lys Val Lys Trp Lys Gly Lys
325 330 335

Gly Gly Lys Tyr Thr Lys Ser Asp Phe Lys Glu Tyr Glu Lys Glu Gln
340 345 350

Asp Lys Pro Pro Asn Leu Val Leu Lys Asp Lys Val Lys Pro Lys Gln
355 360 365

Asp Thr Lys Tyr Asp Leu Ile Leu Asp Glu Gln Ala Glu Asp Ser Lys
370 375 380

Ser Ser His Ser His Thr Ser Lys Lys His Lys Lys Lys Thr His His
385 390 395 400

Cys Ser Glu Glu Lys Glu Asp Glu Asp Tyr Met Pro Ile Lys Asn Thr
405 410 415

Asn Gln Asp Ile Tyr Arg Glu Met Gly Phe Gly His Tyr Glu Glu Glu
420 425 430

Glu Ser Cys Trp Glu Lys Gln Lys Ser Glu Lys Arg Asp Arg Thr Gln
435 440 445

Asn Arg Ser Arg Ser Arg Ser Arg Glu Arg Asp Gly His Tyr Ser Asn
450 455 460

Ser His Lys Ser Lys Tyr Gln Thr Asp Leu Tyr Glu Arg Glu Arg Ser
465 470 475 480

Lys Lys Arg Asp Arg Ser Arg Ser Pro Lys Lys Ser Lys Asp Lys Glu
485 490 495

Lys Ser Lys Tyr Arg

BNSDOCID: <WO___0122920A2_I_>

500

<210> 4620
<211> 63
<212> PRT
<213> Homo sapiens

<400> 4620
Asn Phe Leu Leu Phe Thr Asn Ser Asp Glu Ile Gln Phe Phe Arg Arg
1 5 10 15

Leu Ser Phe Leu Glu Gln Ala Thr Ser Leu Pro Leu Glu Cys Pro Ile
20 25 30

Thr Tyr Ser Ser Thr Phe Ser Phe Cys Ser Arg Cys Leu Leu Lys Arg
35 40 45

Ser Gly Ala Val Gly Gly Tyr Ala His Leu Ser Ser Ser Val Gln
50 55 60

<210> 4621
<211> 50
<212> PRT
<213> Homo sapiens

<400> 4621
Ser Gln His Phe Gly Arg Pro Arg Trp Thr Asp His Leu Arg Ser Gly
1 5 10 15

Val Arg Asp Gln Pro Gly Gln His Gly Gln Thr Trp Ser Leu Leu Lys
20 25 30

Ile Gln Lys Leu Ala Gly Val Ala Arg Cys Arg Ala Val Trp Gly Arg
35 40 45

His Gly
50

<210> 4622
<211> 81
<212> PRT
<213> Homo sapiens

<400> 4622
Gly Thr Arg Trp Pro Cys Gly Lys His Lys Arg Val Leu Ile Phe Pro

BNSDOCID: <WO 0122920A2 I >

```
  1               5                  10                  15

Ser Tyr Met Thr Thr Val Ile Asp Tyr Val Lys Pro Ser Asp Leu Lys
            20                  25                  30

Lys Asp Met Asn Glu Thr Phe Lys Glu Lys Phe Pro His Ile Lys Leu
        35                  40                  45

Thr Leu Ser Lys Ile Arg Ser Leu Lys Arg Glu Met Arg Asn Leu Arg
    50                  55                  60

Arg Arg Thr Val Ala Leu Arg Ser Pro Arg Trp Pro Trp Pro Arg Leu
65                  70                  75                  80

Leu
```

<210> 4623
<211> 139
<212> PRT
<213> Homo sapiens

<400> 4623

```
Ser Gln His Phe Leu Ser Leu Pro Leu Trp Phe Glu Gly Tyr Gly Leu
  1               5                  10                  15

Leu Gln Tyr Ile Ser Ser Phe Lys Ser Cys His Cys Phe Val Gly Pro
            20                  25                  30

Gln Leu Ile Gly Pro Gln Asn Lys Pro Cys Cys Phe Ala His Thr Leu
        35                  40                  45

Ala Phe Phe Cys Thr Phe His Ser Gly Trp Ala Trp Pro Lys Gln Ala
    50                  55                  60

Gln Ala Lys Asp Leu Pro Ser Cys Met Tyr Phe Gln Tyr Pro Glu Thr
65                  70                  75                  80

Val Phe Gly Asp Ile Met Pro Arg Val Asn Lys Pro Asp Leu Gly Thr
                85                  90                  95

Ala Leu Ser Arg Gly Phe Thr His Glu Ile Asn Lys Thr Tyr Leu Ser
            100                 105                 110

His Leu Lys Leu Gly Ser Gln Lys Thr His Phe Trp Phe Ile Ile Ser
        115                 120                 125

Phe Tyr Ala His Leu Thr Leu Ile Ile Tyr Pro
    130                 135
```

<210> 4624
<211> 90
<212> PRT
<213> Homo sapiens

<400> 4624
Gly Thr Arg Arg His Pro Ala Pro Ser Ala Gly Cys Ala Ser Gly Ala
1 5 10 15

Glu Val Arg Asp Lys Met Val Pro Pro Val Gln Val Ser Pro Leu Ile
20 25 30

Lys Leu Gly Arg Tyr Ser Ala Leu Phe Leu Gly Val Ala Tyr Gly Ala
35 40 45

Thr Arg Tyr Asn Tyr Leu Lys Pro Arg Ala Glu Glu Glu Arg Arg Ile
50 55 60

Ala Ala Glu Glu Lys Lys Lys Gln Asp Glu Leu Lys Arg Ile Ala Arg
65 70 75 80

Glu Leu Ala Glu Asp Asp Ser Ile Leu Lys
85 90

<210> 4625
<211> 328
<212> PRT
<213> Homo sapiens

<400> 4625
Gln Ala Thr Gly Gly Pro Glu Leu Ala Ser Ser Val Leu Ser Pro Leu
1 5 10 15

Leu Asn Lys Asp Thr Ile Asp Phe Leu Asn Tyr Thr Val Asn Gly Asp
20 25 30

Glu Arg Gln Leu Trp Met Ser Leu Gly Gly Thr Trp Met Lys Ala Arg
35 40 45

Ala Glu Trp Pro Lys Glu Gln Phe Ile Pro Pro Tyr Val Pro Arg Phe
50 55 60

Arg Asn Gly Trp Glu Pro Pro Met Leu Asn Phe Met Gly Ala Thr Met
65 70 75 80

Glu Gln Asp Leu Tyr Gln Leu Ala Glu Ser Val Ala Asn Val Ala Glu

85 90 95

His Gln Arg Lys Gln Glu Ile Lys Arg Leu Ser Thr Glu His Ser Ser
100 105 110

Val Ser Glu Tyr His Pro Ala Asp Gly Tyr Ala Phe Ser Ser Asn Ile
115 120 125

Tyr Thr Arg Gly Ser His Leu Asp Gln Gly Glu Ala Ala Val Ala Phe
130 135 140

Lys Pro Thr Ser Asn Arg His Ile Asp Arg Asn Tyr Glu Pro Leu Lys
145 150 155 160

Thr Gln Pro Lys Lys Tyr Ala Lys Ser Lys Tyr Asp Phe Val Ala Arg
165 170 175

Asn Asn Ser Glu Leu Ser Val Leu Lys Asp Asp Ile Leu Glu Ile Leu
180 185 190

Asp Asp Arg Lys Gln Trp Trp Lys Val Arg Asn Ala Ser Gly Asp Ser
195 200 205

Gly Phe Val Pro Asn Asn Ile Leu Asp Ile Val Arg Pro Pro Glu Ser
210 215 220

Gly Leu Gly Arg Ala Asp Pro Pro Tyr Thr His Thr Ile Gln Lys Gln
225 230 235 240

Arg Met Glu Tyr Gly Pro Arg Pro Ala Asp Thr Pro Pro Ala Pro Ser
245 250 255

Pro Pro Pro Thr Pro Ala Pro Val Pro Val Pro Leu Pro Pro Ser Thr
260 265 270

Pro Ala Pro Val Pro Val Ser Lys Val Pro Ala Asn Ile Thr Arg Gln
275 280 285

Asn Ser Ser Ser Ser Asp Ser Gly Gly Ser Ile Val Arg Asp Ser Gln
290 295 300

Arg His Lys Gln Leu Pro Val Asp Arg Arg Asn Leu Arg Trp Arg Lys
305 310 315 320

Cys Lys Met Asn Ser Ser Thr Asp
325

<210> 4626
<211> 578

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4626
Gly Val Gly Asp Gly Gln Ala Pro Met Pro Gly Xaa Thr Glu Glu Pro
1 5 10 15

Arg Pro Pro Glu Gln Gln Asp Gln Glu Gly Gly Glu Ala Ala Lys Ala
20 25 30

Ala Pro Glu Xaa Pro Gln Gln Arg Pro Pro Glu Ala Val Ala Ala Ala
35 40 45

Pro Ala Gly Thr Thr Ser Ser Arg Val Leu Arg Gly Gly Arg Asp Arg
50 55 60

Gly Arg Ala Ala Ala Ala Arg Arg Arg Xaa Ser Cys Val Pro Pro Glu
65 70 75 80

Xaa Gly Arg Val Ser Pro Pro Ala Xaa Glu Gln Pro Gln Arg Gln Ala
85 90 95

Ser Arg Arg Pro Arg Ala Ala Ala Gln Ala Ala Lys Ser Pro Ser Pro
100 105 110

Val Gln Gly Lys Lys Ser Pro Arg Leu Leu Cys Ile Glu Lys Val Thr

BNSDOCID: <WO_ 0122920A2_I >

115 120 125

Thr Asp Lys Asp Pro Lys Glu Glu Lys Glu Glu Glu Asp Asp Ser Ala
130 135 140

Leu Pro Gln Glu Val Ser Ile Ala Ala Ser Arg Pro Ser Arg Gly Trp
145 150 155 160

Arg Ser Ser Arg Thr Ser Val Ser Arg His Arg Asp Thr Glu Asn Thr
165 170 175

Arg Ser Ser Arg Ser Lys Thr Gly Ser Leu Gln Leu Ile Cys Lys Ser
180 185 190

Glu Pro Asn Thr Asp Gln Leu Asp Tyr Asp Val Gly Glu Glu His Gln
195 200 205

Ser Pro Gly Gly Ile Ser Ser Glu Glu Glu Glu Glu Glu Glu Glu Glu
210 215 220

Met Leu Ile Ser Glu Glu Glu Ile Pro Phe Lys Asp Asp Pro Arg Asp
225 230 235 240

Glu Thr Tyr Lys Pro His Leu Glu Arg Glu Thr Pro Lys Pro Arg Arg
245 250 255

Lys Ser Gly Lys Val Lys Glu Glu Lys Glu Lys Lys Glu Ile Lys Val
260 265 270

Glu Val Glu Val Glu Val Lys Glu Glu Glu Asn Glu Ile Arg Glu Asp
275 280 285

Glu Glu Pro Pro Arg Lys Arg Gly Arg Arg Arg Lys Asp Asp Lys Ser
290 295 300

Pro Arg Leu Pro Lys Arg Arg Lys Lys Pro Pro Ile Gln Tyr Val Arg
305 310 315 320

Cys Glu Met Glu Gly Cys Gly Thr Val Leu Ala His Pro Arg Tyr Leu
325 330 335

Gln His His Ile Lys Tyr Gln His Leu Leu Lys Lys Lys Tyr Val Cys
340 345 350

Pro His Pro Ser Cys Gly Arg Leu Phe Arg Leu Gln Lys Gln Leu Leu
355 360 365

Arg His Ala Lys His His Thr Asp Gln Arg Asp Tyr Ile Cys Glu Tyr
370 375 380

Cys Ala Arg Ala Phe Lys Ser Ser His Asn Leu Ala Val His Arg Met

385 390 395 400

Ile His Thr Gly Glu Lys Pro Leu Gln Cys Glu Ile Cys Gly Phe Thr
405 410 415

Cys Arg Gln Lys Ala Ser Leu Asn Trp His Met Lys Lys His Asp Ala
420 425 430

Asp Ser Phe Tyr Gln Phe Ser Cys Asn Ile Cys Gly Lys Lys Phe Glu
435 440 445

Lys Lys Asp Ser Val Val Ala His Lys Ala Lys Ser His Pro Glu Val
450 455 460

Leu Ile Ala Glu Ala Leu Ala Ala Asn Ala Gly Ala Leu Ile Thr Ser
465 470 475 480

Thr Asp Ile Leu Gly Thr Asn Pro Glu Ser Leu Thr Gln Pro Ser Asp
485 490 495

Gly Gln Gly Leu Pro Leu Leu Pro Glu Pro Leu Gly Asn Ser Thr Ser
500 505 510

Gly Glu Cys Leu Leu Leu Glu Ala Glu Gly Met Ser Lys Ser Tyr Cys
515 520 525

Ser Gly Thr Glu Arg Val Ser Leu Met Ala Asp Gly Lys Ile Phe Val
530 535 540

Gly Ser Gly Ser Ser Gly Gly Thr Glu Gly Leu Val Met Asn Ser Asp
545 550 555 560

Ile Leu Gly Ala Thr Thr Glu Val Leu Ile Glu Asp Ser Asp Ser Ala
565 570 575

Gly Pro

<210> 4627
<211> 263
<212> PRT
<213> Homo sapiens

<400> 4627
Lys Ile Met Ala Ser Pro Asp Trp Gly Tyr Asp Asp Lys Asn Gly Pro
1 5 10 15

Glu Gln Trp Ser Lys Leu Tyr Pro Ile Ala Asn Gly Asn Asn Gln Ser
20 25 30

```
Pro Val Asp Ile Lys Thr Ser Glu Thr Lys His Asp Thr Ser Leu Lys
         35                  40                  45

Pro Ile Ser Val Ser Tyr Asn Pro Ala Thr Ala Lys Glu Ile Ile Asn
     50                  55                  60

Val Gly His Ser Phe His Val Asn Phe Glu Asp Asn Asp Asn Arg Ser
 65                  70                  75                  80

Val Leu Lys Gly Gly Pro Phe Ser Asp Ser Tyr Arg Leu Phe Gln Phe
                 85                  90                  95

His Phe His Trp Gly Ser Thr Asn Glu His Gly Ser Glu His Thr Val
            100                 105                 110

Asp Gly Val Lys Tyr Ser Ala Glu Leu His Val Ala His Trp Asn Ser
        115                 120                 125

Ala Lys Tyr Ser Ser Leu Ala Glu Ala Ala Ser Lys Ala Asp Gly Leu
    130                 135                 140

Ala Val Ile Gly Val Leu Met Lys Val Gly Glu Ala Asn Pro Lys Leu
145                 150                 155                 160

Gln Lys Val Leu Asp Ala Leu Gln Ala Ile Lys Thr Lys Gly Lys Arg
                165                 170                 175

Ala Pro Phe Thr Asn Phe Asp Pro Ser Thr Leu Leu Pro Ser Ser Leu
            180                 185                 190

Asp Phe Trp Thr Tyr Pro Gly Ser Leu Thr His Pro Pro Leu Tyr Glu
        195                 200                 205

Ser Val Thr Trp Ile Ile Cys Lys Glu Ser Ile Ser Val Ser Ser Glu
    210                 215                 220

Gln Leu Ala Gln Phe Arg Ser Leu Leu Ser Asn Val Glu Gly Asp Asn
225                 230                 235                 240

Ala Val Pro Met Gln His Asn Asn Arg Pro Thr Gln Pro Leu Lys Gly
                245                 250                 255

Arg Thr Val Arg Ala Ser Phe
            260
```

<210> 4628
<211> 301
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (156)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (185)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4628

```
Ala Asp Ala Trp Gly Arg Thr Ala Glu Leu Thr Val Thr Ala Ala Leu
  1               5                  10                  15

Thr Arg Glu Phe Leu Glu Pro Lys Leu Phe Ser Thr Glu Asp Lys Gln
             20                  25                  30

Ala Ala Glu Thr Met Gly Ser Pro Ser Ala Cys Pro Tyr Arg Val Cys
         35                  40                  45

Ile Pro Trp Gln Gly Leu Leu Leu Thr Ala Ser Leu Leu Thr Phe Trp
     50                  55                  60

Asn Leu Pro Asn Ser Ala Gln Thr Asn Ile Asp Val Val Pro Phe Asn
 65                  70                  75                  80

Val Ala Glu Gly Lys Glu Val Leu Leu Val Val His Asn Glu Ser Gln
                 85                  90                  95

Asn Leu Tyr Gly Tyr Asn Trp Tyr Lys Gly Glu Arg Val His Ala Asn
            100                 105                 110

Tyr Arg Ile Ile Gly Tyr Val Lys Asn Ile Ser Gln Glu Asn Ala Pro
        115                 120                 125

Gly Pro Ala His Asn Gly Arg Glu Thr Ile Tyr Pro Asn Gly Thr Leu
    130                 135                 140

Leu Ile Gln Asn Val Thr His Asn Asp Ala Gly Xaa Tyr Thr Leu His
145                 150                 155                 160

Val Ile Lys Glu Asn Leu Val Asn Glu Glu Val Thr Arg Gln Phe Tyr
                165                 170                 175

Val Phe Ser Glu Pro Pro Lys Pro Xaa Ile Thr Ser Asn Asn Phe Asn
            180                 185                 190

Pro Val Glu Asn Lys Asp Ile Val Val Leu Thr Cys Gln Pro Glu Thr
        195                 200                 205
```

```
Gln Asn Thr Thr Tyr Leu Trp Trp Val Asn Asn Gln Ser Leu Leu Val
    210                 215                 220

Ser Pro Arg Leu Leu Leu Ser Thr Asp Asn Arg Thr Leu Val Leu Leu
225                 230                 235                 240

Ser Ala Thr Lys Asn Asp Ile Gly Pro Tyr Glu Cys Glu Ile Gln Asn
                245                 250                 255

Pro Val Gly Ala Ser Arg Ser Asp Pro Val Thr Leu Asn Val Arg Tyr
            260                 265                 270

Glu Ser Val Gln Ala Ser Ser Pro Asp Leu Ser Ala Gly Thr Ala Val
        275                 280                 285

Ser Ile Met Ile Gly Val Leu Ala Gly Met Ala Leu Ile
    290                 295                 300
```

<210> 4629
<211> 256
<212> PRT
<213> Homo sapiens

<400> 4629

```
Pro Ala Gly Ala Gly Cys Arg Ala Gly Glu Arg Ala Gly Gln Ala Lys
  1               5                  10                  15

Ala Leu Val Pro Ala Arg Cys Gly Pro Gln Ser Ala Ala Met Gly Ala
            20                  25                  30

Ser Ala Arg Leu Leu Arg Ala Val Ile Met Gly Ala Pro Gly Ser Gly
        35                  40                  45

Lys Gly Thr Val Ser Ser Arg Ile Thr Thr His Phe Glu Leu Lys His
    50                  55                  60

Leu Ser Ser Gly Asp Leu Leu Arg Asp Asn Met Leu Arg Gly Thr Glu
65                  70                  75                  80

Ile Gly Val Leu Ala Lys Ala Phe Ile Asp Gln Gly Lys Leu Ile Pro
                85                  90                  95

Asp Asp Val Met Thr Arg Leu Ala Leu His Glu Leu Lys Asn Leu Thr
            100                 105                 110

Gln Tyr Ser Trp Leu Leu Asp Gly Phe Pro Arg Thr Leu Pro Gln Ala
        115                 120                 125
```

```
Glu Ala Leu Asp Arg Ala Tyr Gln Ile Asp Thr Val Ile Asn Leu Asn
    130                 135                 140

Val Pro Phe Glu Val Ile Lys Gln Arg Leu Thr Ala Arg Trp Ile His
145                 150                 155                 160

Pro Ala Ser Gly Arg Val Tyr Asn Ile Glu Phe Asn Pro Pro Lys Thr
                165                 170                 175

Val Gly Ile Asp Asp Leu Thr Gly Glu Pro Leu Ile Gln Arg Glu Asp
            180                 185                 190

Asp Lys Pro Glu Thr Val Ile Lys Arg Leu Lys Ala Tyr Glu Asp Gln
        195                 200                 205

Thr Lys Pro Val Leu Glu Tyr Tyr Gln Lys Lys Gly Val Leu Glu Thr
    210                 215                 220

Phe Ser Gly Thr Glu Thr Asn Lys Ile Trp Pro Tyr Val Tyr Ala Phe
225                 230                 235                 240

Leu Gln Thr Lys Val Pro Gln Arg Ser Gln Lys Ala Ser Val Thr Pro
                245                 250                 255
```

<210> 4630
<211> 102
<212> PRT
<213> Homo sapiens

<400> 4630

```
Asp Trp Gly Leu Ala Arg Ser Arg Pro Gly Cys Lys Cys Cys Gly Gly
  1               5                  10                  15

Arg Lys Ser Arg Pro His Arg Arg Gly Ser Ala Val Met Pro Lys Tyr
            20                  25                  30

Tyr Glu Asp Lys Pro Gln Ala Ala Arg Cys Ala Gly Leu Lys Glu Asp
        35                  40                  45

Leu Gly Ala Cys Leu Leu Gln Ser Asp Cys Val Val Gln Glu Gly Lys
    50                  55                  60

Ser Pro Arg Gln Cys Leu Lys Glu Gly Tyr Cys Asn Ser Leu Lys Tyr
65                  70                  75                  80

Ala Phe Phe Glu Cys Lys Arg Ser Val Leu Asp Asn Arg Ala Arg Phe
```

85 90 95

Arg Gly Arg Lys Gly Tyr
100

<210> 4631
<211> 466
<212> PRT
<213> Homo sapiens

<400> 4631
Glu His Gln Glu Ile Met Asn Asn Phe Gly Asn Glu Glu Phe Asp Cys
1 5 10 15

His Phe Leu Asp Glu Gly Phe Thr Ala Lys Asp Ile Leu Asp Gln Lys
20 25 30

Ile Asn Glu Val Ser Ser Ser Asp Asp Lys Asp Ala Phe Tyr Val Ala
35 40 45

Asp Leu Gly Asp Ile Leu Lys Lys His Leu Arg Trp Leu Lys Ala Leu
50 55 60

Pro Arg Val Thr Pro Phe Tyr Ala Val Lys Cys Asn Asp Ser Lys Ala
65 70 75 80

Ile Val Lys Thr Leu Ala Ala Thr Gly Thr Gly Phe Asp Cys Ala Ser
85 90 95

Lys Thr Glu Ile Gln Leu Val Gln Ser Leu Gly Val Pro Pro Glu Arg
100 105 110

Ile Ile Tyr Ala Asn Pro Cys Lys Gln Val Ser Gln Ile Lys Tyr Ala
115 120 125

Ala Asn Asn Gly Val Gln Met Met Thr Phe Asp Ser Glu Val Glu Leu
130 135 140

Met Lys Val Ala Arg Ala His Pro Lys Ala Lys Leu Val Leu Arg Ile
145 150 155 160

Ala Thr Asp Asp Ser Lys Ala Val Cys Arg Leu Ser Val Lys Phe Gly
165 170 175

Ala Thr Leu Arg Thr Ser Arg Leu Leu Leu Glu Arg Ala Lys Glu Leu
180 185 190

Asn Ile Asp Val Val Gly Val Ser Phe His Val Gly Ser Gly Cys Thr
195 200 205

```
Asp Pro Glu Thr Phe Val Gln Ala Ile Ser Asp Ala Arg Cys Val Phe
    210                 215                 220

Asp Met Gly Ala Glu Val Gly Phe Ser Met Tyr Leu Leu Asp Ile Gly
225                 230                 235                 240

Gly Gly Phe Pro Gly Ser Glu Asp Val Lys Leu Lys Phe Glu Glu Ile
                245                 250                 255

Thr Gly Val Ile Asn Pro Ala Leu Asp Lys Tyr Phe Pro Ser Asp Ser
            260                 265                 270

Gly Val Arg Ile Ile Ala Glu Pro Gly Arg Tyr Tyr Val Ala Ser Ala
        275                 280                 285

Phe Thr Leu Ala Val Asn Ile Ile Ala Lys Lys Ile Val Leu Lys Glu
    290                 295                 300

Gln Thr Gly Ser Asp Asp Glu Asp Glu Ser Ser Glu Gln Thr Phe Met
305                 310                 315                 320

Tyr Tyr Val Asn Asp Gly Val Tyr Gly Ser Phe Asn Cys Ile Leu Tyr
                325                 330                 335

Asp His Ala His Val Lys Pro Leu Leu Gln Lys Arg Pro Lys Pro Asp
            340                 345                 350

Glu Lys Tyr Tyr Ser Ser Ser Ile Trp Gly Pro Thr Cys Asp Gly Leu
        355                 360                 365

Asp Arg Ile Val Glu Arg Cys Asp Leu Pro Glu Met His Val Gly Asp
    370                 375                 380

Trp Met Leu Phe Glu Asn Met Gly Ala Tyr Thr Val Ala Ala Ala Ser
385                 390                 395                 400

Thr Phe Asn Gly Phe Gln Arg Pro Thr Ile Tyr Tyr Val Met Ser Gly
                405                 410                 415

Pro Ala Trp Gln Leu Met Gln Gln Phe Gln Asn Pro Asp Phe Pro Pro
            420                 425                 430

Glu Val Glu Glu Gln Asp Ala Ser Thr Leu Pro Val Ser Cys Ala Trp
        435                 440                 445

Glu Ser Gly Met Lys Arg His Arg Ala Ala Cys Ala Ser Ala Ser Ile
    450                 455                 460

Asn Val
465
```

BNSDOCID: <WO 0122920A2 I >

<210> 4632
<211> 178
<212> PRT
<213> Homo sapiens

<400> 4632
Asn Ser Ala Arg Gly His Cys Trp Leu Arg Leu Arg Ser Gly Pro Trp
1 5 10 15

Ile Ser Ser Lys Met Ala Ala Arg Ser Val Ser Gly Ile Thr Arg Arg
20 25 30

Val Phe Met Trp Thr Val Ser Gly Thr Pro Cys Arg Glu Phe Trp Ser
35 40 45

Arg Phe Arg Lys Glu Lys Glu Pro Val Val Val Glu Thr Val Glu Glu
50 55 60

Lys Lys Glu Pro Ile Leu Val Cys Pro Pro Leu Arg Ser Arg Ala Tyr
65 70 75 80

Thr Pro Pro Glu Asp Leu Gln Ser Arg Leu Glu Ser Tyr Val Lys Glu
85 90 95

Val Phe Gly Ser Ser Leu Pro Ser Asn Trp Gln Asp Ile Ser Leu Glu
100 105 110

Asp Ser Arg Leu Lys Phe Asn Leu Leu Ala His Leu Ala Asp Asp Leu
115 120 125

Gly His Val Val Pro Asn Ser Arg Leu His Gln Met Cys Arg Val Arg
130 135 140

Asp Val Leu Asp Phe Tyr Asn Val Pro Ile Gln Asp Arg Ser Lys Phe
145 150 155 160

Asp Glu Leu Ser Ala Ser Asn Leu Pro Pro Asn Leu Lys Ile Thr Trp
165 170 175

Ser Tyr

<210> 4633
<211> 273
<212> PRT
<213> Homo sapiens

<400> 4633

```
Arg Pro Ala Pro Ala Gly Ala Arg Pro Pro Leu Ile Pro Asp Pro Ala
  1               5                  10                  15

Val Gly Ala Met Ala Glu Ala Val Leu Arg Val Ala Arg Arg Gln Leu
             20                  25                  30

Ser Gln Arg Gly Gly Ser Gly Ala Pro Ile Leu Leu Arg Gln Met Phe
         35                  40                  45

Glu Pro Val Ser Cys Thr Phe Thr Tyr Leu Leu Gly Asp Arg Glu Ser
     50                  55                  60

Arg Glu Ala Val Leu Ile Asp Pro Val Leu Glu Thr Ala Pro Arg Asp
 65                  70                  75                  80

Ala Gln Leu Ile Lys Glu Leu Gly Leu Arg Leu Leu Tyr Ala Val Asn
                 85                  90                  95

Thr His Cys His Ala Asp His Ile Thr Gly Ser Gly Leu Leu Arg Ser
            100                 105                 110

Leu Leu Pro Gly Cys Gln Ser Val Ile Ser Arg Leu Ser Gly Ala Gln
        115                 120                 125

Ala Asp Leu His Ile Glu Asp Gly Asp Ser Ile Arg Phe Gly Arg Phe
    130                 135                 140

Ala Leu Glu Thr Arg Ala Ser Pro Gly His Thr Pro Gly Cys Val Thr
145                 150                 155                 160

Phe Val Leu Asn Asp His Ser Met Ala Phe Thr Gly Asp Ala Leu Leu
                165                 170                 175

Ile Arg Gly Cys Gly Arg Thr Asp Phe Gln Gln Gly Cys Ala Lys Thr
            180                 185                 190

Leu Tyr His Ser Val His Glu Lys Ile Phe Thr Leu Pro Gly Asp Cys
        195                 200                 205

Leu Ile Tyr Pro Ala His Asp Tyr His Gly Phe Thr Val Ser Thr Val
    210                 215                 220

Glu Glu Glu Arg Thr Leu Asn Pro Arg Leu Thr Leu Ser Cys Glu Glu
225                 230                 235                 240

Phe Val Lys Ile Met Gly Asn Leu Asn Leu Pro Lys Pro Gln Gln Ile
                245                 250                 255

Asp Phe Ala Val Pro Ala Asn Met Arg Cys Gly Val Gln Thr Pro Thr
```

260 265 270

Ala

<210> 4634
<211> 311
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4634
Val Thr Ser Glu Gly Val Arg Val Arg Ser Ser Arg Gly Arg Ala Xaa
1 5 10 15

Gly Val Trp Arg Phe Glu Arg Asp Glu Asp Gly Thr Gly Ala Gly Cys
20 25 30

Gly Gln Trp Thr Arg Phe Cys Arg Glu Pro Lys Met Ala Val Asn Val
35 40 45

Tyr Ser Thr Ser Val Thr Ser Asp Asn Leu Ser Arg His Asp Met Leu
50 55 60

Ala Trp Ile Asn Glu Ser Leu Gln Leu Asn Leu Thr Lys Ile Glu Gln
65 70 75 80

Leu Cys Ser Gly Ala Ala Tyr Cys Gln Phe Met Asp Met Leu Phe Pro
85 90 95

Gly Ser Ile Ala Leu Lys Lys Val Lys Phe Gln Ala Lys Leu Glu His
100 105 110

Glu Tyr Ile Gln Asn Phe Lys Ile Leu Gln Ala Gly Phe Lys Arg Met
115 120 125

Gly Val Asp Lys Ile Ile Pro Val Asp Lys Leu Val Lys Gly Lys Phe
130 135 140

Gln Asp Asn Phe Glu Phe Val Gln Trp Phe Lys Lys Phe Phe Asp Ala
145 150 155 160

Asn Tyr Asp Gly Lys Asp Tyr Asp Pro Val Ala Ala Arg Gln Gly Gln
165 170 175

```
Glu Thr Ala Val Ala Pro Ser Leu Val Ala Pro Ala Leu Asn Lys Pro
            180                 185                 190

Lys Lys Pro Leu Thr Ser Ser Ser Ala Ala Pro Gln Arg Pro Ile Ser
        195                 200                 205

Thr Gln Arg Thr Ala Ala Ala Pro Lys Ala Gly Pro Gly Val Val Arg
    210                 215                 220

Lys Asn Pro Gly Val Gly Asn Gly Asp Asp Glu Ala Ala Glu Leu Met
225                 230                 235                 240

Gln Gln Val Asn Val Leu Lys Leu Thr Val Glu Asp Leu Glu Lys Glu
                245                 250                 255

Arg Asp Phe Tyr Phe Gly Lys Leu Arg Asn Ile Glu Leu Ile Cys Gln
            260                 265                 270

Glu Asn Glu Gly Glu Asn Asp Pro Val Leu Gln Arg Ile Val Asp Ile
        275                 280                 285

Leu Tyr Ala Thr Asp Glu Gly Phe Val Ile Pro Asp Glu Gly Gly Pro
    290                 295                 300

Gln Glu Glu Gln Glu Glu Tyr
305                 310
```

<210> 4635
<211> 367
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4635

```
Asn Ala Met Arg Xaa Ser Gly Asp Ala Phe Asp Ile Gln Arg Cys Tyr
  1               5                  10                  15

Cys Asn Tyr Thr Thr Asp Val Val Ala Ser Val Ala Phe Gly Thr Pro
            20                  25                  30

Val Asp Ser Trp Gln Ala Pro Glu Asp Pro Phe Val Lys His Cys Lys
        35                  40                  45

Arg Phe Phe Glu Phe Cys Ile Pro Arg Pro Ile Leu Val Leu Leu Leu
    50                  55                  60
```

BNSDOCID <WO_ 0122920A2_I_>

```
Ser Phe Pro Ser Ile Met Val Pro Leu Ala Arg Ile Leu Pro Asn Lys
 65                  70                  75                  80

Asn Arg Asp Glu Leu Asn Gly Phe Phe Asn Lys Leu Ile Arg Asn Val
                 85                  90                  95

Ile Ala Leu Arg Asp Gln Gln Ala Ala Glu Glu Arg Arg Arg Asp Phe
            100                 105                 110

Leu Gln Met Val Leu Asp Ala Arg His Ser Ala Ser Pro Met Gly Val
        115                 120                 125

Gln Asp Phe Asp Ile Val Arg Asp Val Phe Ser Ser Thr Gly Cys Lys
    130                 135                 140

Pro Asn Pro Ser Arg Gln His Gln Pro Ser Pro Met Ala Arg Pro Leu
145                 150                 155                 160

Thr Val Asp Glu Ile Val Gly Gln Ala Phe Ile Phe Leu Ile Ala Gly
                165                 170                 175

Tyr Glu Ile Ile Thr Asn Thr Leu Ser Phe Ala Thr Tyr Leu Leu Ala
            180                 185                 190

Thr Asn Pro Asp Cys Gln Glu Lys Leu Leu Arg Glu Val Asp Val Phe
        195                 200                 205

Lys Glu Lys His Met Ala Pro Glu Phe Cys Ser Leu Glu Glu Gly Leu
    210                 215                 220

Pro Tyr Leu Asp Met Val Ile Ala Glu Thr Leu Arg Met Tyr Pro Pro
225                 230                 235                 240

Ala Phe Arg Phe Thr Arg Glu Ala Ala Gln Asp Cys Glu Val Leu Gly
                245                 250                 255

Gln Arg Ile Pro Ala Gly Ala Val Leu Glu Met Ala Val Gly Ala Leu
            260                 265                 270

His His Asp Pro Glu His Trp Pro Ser Pro Glu Thr Phe Asn Pro Glu
        275                 280                 285

Arg Phe Thr Ala Glu Ala Arg Gln Gln His Arg Pro Phe Thr Tyr Leu
    290                 295                 300

Pro Phe Gly Ala Gly Pro Arg Ser Cys Leu Gly Val Arg Leu Gly Leu
305                 310                 315                 320

Leu Glu Val Lys Leu Thr Leu Leu His Val Leu His Lys Phe Arg Phe
                325                 330                 335
```

```
Gln Ala Cys Pro Glu Thr Gln Val Pro Leu Gln Leu Glu Ser Lys Ser
            340                 345                 350

Ala Leu Gly Pro Lys Asn Gly Val Tyr Ile Lys Ile Val Ser Arg
        355                 360                 365
```

<210> 4636
<211> 198
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4636

```
Val Val Cys Gln Ser Arg Arg Arg Arg Arg Xaa Arg Arg Arg Arg
  1               5                  10                  15

Ser Thr Val Ile Arg Pro Pro Arg Arg Gly Val Gly Gly Leu Arg Gly
            20                  25                  30

Thr Phe Phe Phe Phe Arg Leu Thr Ala Gly Gln Leu Arg Ser Met Ser
        35                  40                  45

Thr Pro Ala Arg Arg Arg Leu Met Arg Asp Phe Lys Arg Leu Gln Glu
    50                  55                  60

Asp Pro Pro Val Gly Val Ser Gly Ala Pro Ser Glu Asn Asn Ile Met
65                  70                  75                  80

Gln Trp Asn Ala Val Ile Phe Gly Pro Glu Gly Thr Pro Phe Glu Asp
                85                  90                  95

Gly Thr Phe Lys Leu Val Ile Glu Phe Ser Glu Glu Tyr Pro Asn Lys
            100                 105                 110

Pro Pro Thr Val Arg Phe Leu Ser Lys Met Phe His Pro Asn Val Tyr
        115                 120                 125

Ala Asp Gly Ser Ile Cys Leu Asp Ile Leu Gln Asn Arg Trp Ser Pro
    130                 135                 140

Thr Tyr Asp Val Ser Ser Ile Leu Thr Ser Ile Gln Ser Leu Leu Asp
145                 150                 155                 160

Glu Pro Asn Pro Asn Ser Pro Ala Asn Ser Gln Ala Ala Gln Leu Tyr
```

BNSDOCID: <WO__0122920A2 I >

165 170 175

Gln Glu Asn Lys Arg Glu Tyr Glu Lys Arg Val Ser Ala Ile Val Glu
180 185 190

Gln Ser Trp Asn Asp Ser
195

<210> 4637
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4637
Leu Phe Phe Met Val Ser Asn Met Tyr Asp Gln Cys Ser His Cys Phe
1 5 10 15

Lys Met Tyr Arg Val Asn Ile Asn Thr Ser Tyr Ala Xaa Lys Lys Lys
20 25 30

Lys Lys Gly Gly Arg Ser Xaa Gly Ser Lys Leu Thr Tyr Ala Cys Met
35 40 45

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
50 55 60

Val Val Leu Gln Arg
65

<210> 4638
<211> 77
<212> PRT
<213> Homo sapiens

<400> 4638
Leu Tyr Cys Phe Ser Ser Val Leu Glu Lys Lys Ile Asn Pro Ala Ile
1 5 10 15

BNSDOCID: <WO__ 0122920A2_I_>

```
Thr Phe Trp Asn Cys Leu Asp Phe Ser Ala Val Gln Ala Ile Ser Asn
            20                  25                  30

Ile Val Leu Cys Arg Glu Cys His Cys Ser Phe Glu Cys Ile His Val
        35                  40                  45

Trp Val Leu Ile Ile Val Tyr Phe Leu Trp Gly Trp Lys Arg Lys Thr
    50                  55                  60

Ile Gln Ala Glu Lys Ser Ile Leu Lys Asp Ala Phe Leu
65                  70                  75
```

<210> 4639
<211> 617
<212> PRT
<213> Homo sapiens

<400> 4639

```
Gly Thr Arg Glu Cys Pro Leu Cys Leu Val Arg Leu Pro Pro Glu Arg
  1               5                  10                  15

Ala Pro Arg Leu Leu Ser Cys Pro His Arg Ser Cys Arg Asp Cys Leu
            20                  25                  30

Arg His Tyr Leu Arg Leu Glu Ile Ser Glu Ser Arg Val Pro Ile Ser
        35                  40                  45

Cys Pro Glu Cys Ser Glu Arg Leu Asn Pro His Asp Ile Arg Leu Leu
    50                  55                  60

Leu Ala Asp Pro Pro Leu Met His Lys Tyr Glu Glu Phe Met Leu Arg
65                  70                  75                  80

Arg Tyr Leu Ala Ser Asp Pro Asp Cys Arg Trp Cys Pro Ala Pro Asp
                85                  90                  95

Cys Gly Tyr Ala Val Ile Ala Tyr Gly Cys Ala Ser Cys Pro Lys Leu
            100                 105                 110

Thr Cys Glu Arg Glu Gly Cys Gln Thr Glu Phe Cys Tyr His Cys Lys
        115                 120                 125

Gln Ile Trp His Pro Asn Gln Thr Cys Asp Met Ala Arg Gln Gln Arg
    130                 135                 140

Ala Gln Thr Leu Arg Val Arg Thr Lys His Thr Ser Gly Leu Ser Tyr
145                 150                 155                 160
```

```
Gly Gln Glu Ser Gly Pro Asp Asp Ile Lys Pro Cys Pro Arg Cys Ser
                165                 170                 175

Ala Tyr Ile Ile Lys Met Asn Asp Gly Ser Cys Asn His Met Thr Cys
            180                 185                 190

Ala Val Cys Gly Cys Glu Phe Cys Trp Leu Cys Met Lys Glu Ile Ser
        195                 200                 205

Asp Leu His Tyr Leu Ser Pro Ser Gly Cys Thr Phe Trp Gly Lys Lys
    210                 215                 220

Pro Trp Ser Arg Lys Lys Lys Ile Leu Trp Gln Leu Gly Thr Leu Ile
225                 230                 235                 240

Gly Ala Pro Val Gly Ile Ser Leu Ile Ala Gly Ile Ala Ile Pro Ala
                245                 250                 255

Met Val Ile Gly Ile Pro Val Tyr Val Gly Arg Lys Ile His Ser Arg
            260                 265                 270

Tyr Glu Gly Arg Lys Thr Ser Lys His Lys Arg Asn Leu Ala Ile Thr
        275                 280                 285

Gly Gly Val Thr Leu Ser Val Ile Ala Ser Pro Val Ile Ala Ala Val
    290                 295                 300

Ser Val Gly Ile Gly Val Pro Ile Met Leu Ala Tyr Val Tyr Gly Val
305                 310                 315                 320

Val Pro Ile Ser Leu Cys Arg Gly Gly Gly Cys Gly Val Ser Thr Ala
                325                 330                 335

Asn Gly Lys Gly Val Lys Ile Glu Phe Asp Glu Asp Asp Gly Pro Ile
            340                 345                 350

Thr Val Ala Asp Ala Trp Arg Ala Leu Lys Asn Pro Ser Ile Gly Glu
        355                 360                 365

Ser Ser Ile Glu Gly Leu Thr Ser Val Leu Ser Thr Ser Gly Ser Pro
    370                 375                 380

Thr Asp Gly Leu Ser Val Met Gln Gly Pro Tyr Ser Glu Thr Ala Ser
385                 390                 395                 400

Phe Ala Ala Leu Ser Gly Gly Thr Leu Ser Gly Gly Ile Leu Ser Ser
                405                 410                 415

Gly Lys Gly Lys Tyr Ser Arg Leu Glu Val Gln Ala Asp Val Gln Lys
            420                 425                 430
```

BNSDOCID: <WO__0122920A2_I_>

```
Glu Ile Phe Pro Lys Asp Thr Ala Ser Leu Gly Ala Ile Ser Asp Asn
        435                 440                 445

Ala Ser Thr Arg Ala Met Ala Gly Ser Ile Ile Ser Ser Tyr Asn Pro
    450                 455                 460

Gln Asp Arg Glu Cys Asn Asn Met Glu Ile Gln Val Asp Ile Glu Ala
465                 470                 475                 480

Lys Pro Ser His Tyr Gln Leu Val Ser Gly Ser Ser Thr Glu Asp Ser
                485                 490                 495

Leu His Val His Ala Gln Met Ala Glu Asn Glu Glu Glu Gly Ser Gly
            500                 505                 510

Gly Gly Gly Ser Glu Glu Asp Pro Pro Cys Arg His Gln Ser Cys Glu
        515                 520                 525

Gln Lys Asp Cys Leu Ala Ser Lys Pro Trp Asp Ile Ser Leu Ala Gln
    530                 535                 540

Pro Glu Ser Ile Arg Ser Asp Leu Glu Ser Ser Asp Ala Gln Ser Asp
545                 550                 555                 560

Asp Val Pro Asp Ile Thr Ser Asp Glu Cys Gly Ser Pro Arg Ser His
                565                 570                 575

Thr Ala Ala Cys Pro Ser Thr Pro Arg Ala Gln Gly Ala Pro Ser Pro
            580                 585                 590

Ser Ala His Met Asn Leu Ser Ala Leu Ala Glu Gly Gln Thr Val Leu
        595                 600                 605

Lys Pro Glu Gly Gly Glu Ala Arg Val
    610                 615
```

<210> 4640
<211> 155
<212> PRT
<213> Homo sapiens

<400> 4640

```
Arg Trp Arg Gly Ser Met Ser Gly Ser Met Ala Thr Ala Glu Ala Ser
  1               5                  10                  15

Gly Ser Asp Gly Lys Gly Gln Glu Val Glu Thr Ser Val Thr Tyr Tyr
             20                  25                  30

Arg Leu Glu Glu Val Ala Lys Arg Asn Ser Leu Lys Glu Leu Trp Leu
```

```
         35                  40                  45

Val Ile His Gly Arg Val Tyr Asp Val Thr Arg Phe Leu Asn Glu His
     50                  55                  60

Pro Gly Gly Glu Glu Val Leu Leu Glu Gln Ala Gly Val Asp Ala Ser
 65                  70                  75                  80

Glu Ser Phe Glu Asp Val Gly His Ser Ser Asp Ala Arg Glu Met Leu
                 85                  90                  95

Lys Gln Tyr Tyr Ile Gly Asp Ile His Pro Ser Asp Leu Lys Pro Glu
            100                 105                 110

Ser Gly Ser Lys Asp Pro Ser Lys Asn Asp Thr Cys Lys Ser Cys Trp
        115                 120                 125

Ala Tyr Trp Ile Leu Pro Ile Ile Gly Ala Val Leu Leu Gly Phe Leu
    130                 135                 140

Tyr Arg Tyr Tyr Thr Ser Glu Ser Lys Ser Ser
145                 150                 155
```

<210> 4641
<211> 46
<212> PRT
<213> Homo sapiens

```
<400> 4641
Ser Gln Thr Pro His Tyr Ser Ser Leu Glu Leu Leu Ile Lys Glu Asn
  1               5                  10                  15

Trp Lys Tyr Ile Cys Pro Cys Leu Asn Phe Ile Ala Leu Ile Cys Val
             20                  25                  30

Ile Ser Leu Leu Thr Gly Arg Gly Thr Ser Phe Phe Pro Tyr
         35                  40                  45
```

<210> 4642
<211> 348
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (335)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4642
Val Glu Trp Asn Arg Leu Phe Ala Gly Leu Leu Glu Glu Gln Arg Gln
1 5 10 15

Arg Ser Glu Asp Ser Met Tyr Thr Ala Ile Pro Gln Ser Gly Ser Pro
20 25 30

Phe Pro Gly Ser Val Gln Asp Pro Gly Leu His Val Trp Arg Val Glu
35 40 45

Lys Leu Lys Pro Val Pro Val Ala Gln Glu Asn Gln Gly Val Phe Phe
50 55 60

Ser Gly Asp Ser Tyr Leu Val Leu His Asn Gly Pro Glu Glu Val Ser
65 70 75 80

His Leu His Leu Asn Thr Leu Leu Gly Glu Arg Pro Val Gln His Arg
85 90 95

Glu Val Xaa Gly Asn Glu Ser Asp Leu Phe Met Ser Tyr Phe Pro Arg
100 105 110

Gly Leu Lys Tyr Gln Glu Gly Gly Val Glu Ser Ala Phe His Lys Thr
115 120 125

Ser Thr Gly Ala Pro Ala Ala Ile Lys Lys Leu Tyr Gln Val Lys Gly
130 135 140

Lys Lys Asn Ile Arg Ala Thr Glu Arg Ala Leu Asn Trp Asp Ser Phe
145 150 155 160

Asn Thr Gly Asp Cys Phe Ile Leu Asp Leu Gly Gln Asn Ile Phe Ala
165 170 175

Trp Cys Gly Gly Lys Ser Asn Ile Leu Glu Arg Asn Lys Ala Arg Asp
180 185 190

Leu Ala Leu Ala Ile Arg Asp Ser Glu Arg Gln Gly Lys Ala Gln Val
195 200 205

Glu Ile Val Thr Asp Gly Glu Glu Pro Ala Glu Met Ile Gln Val Leu
210 215 220

Gly Pro Lys Pro Ala Leu Lys Glu Gly Asn Pro Glu Glu Asp Leu Thr
225 230 235 240

```
Ala Asp Lys Ala Asn Ala Gln Ala Ala Ala Leu Tyr Lys Val Ser Asp
                245                 250                 255

Ala Thr Gly Gln Met Asn Leu Thr Lys Val Ala Asp Ser Ser Pro Phe
            260                 265                 270

Ala Leu Glu Leu Leu Ile Ser Asp Asp Cys Phe Val Leu Asp Asn Gly
        275                 280                 285

Leu Cys Gly Lys Ile Tyr Ile Trp Lys Gly Arg Lys Ala Asn Glu Lys
    290                 295                 300

Glu Arg Gln Ala Ala Leu Gln Val Ala Glu Gly Phe Ile Ser Arg Met
305                 310                 315                 320

Gln Tyr Ala Pro Asn Thr Gln Val Glu Ile Leu Pro Gln Gly Xaa Glu
                325                 330                 335

Ser Pro Ile Phe Lys Gln Phe Phe Lys Asp Trp Lys
            340                 345
```

<210> 4643
<211> 389
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (376)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4643

```
Phe Gln Gly Lys Ile Asp Ala Ala Tyr Phe Glu Thr Ser Lys Tyr Leu
  1               5                  10                  15

Leu Asp Val Leu Asn Lys Lys Tyr Ser Leu Leu Asp His Met Gln Ala
             20                  25                  30

Met Arg Arg Tyr Leu Leu Leu Gly Gln Gly Asp Phe Ile Arg His Leu
         35                  40                  45

Met Asp Leu Leu Lys Pro Glu Leu Val Arg Pro Ala Thr Thr Leu Tyr
     50                  55                  60

Gln His Asn Leu Thr Gly Ile Leu Glu Thr Ala Val Arg Ala Thr Asn
 65                  70                  75                  80

Ala Gln Phe Asp Ser Pro Glu Ile Leu Arg Arg Leu Asp Val Arg Leu
```

85 90 95

Leu Glu Val Ser Pro Gly Asp Thr Gly Trp Asp Val Phe Ser Leu Asp
100 105 110

Tyr His Val Asp Gly Pro Ile Ala Thr Val Phe Thr Arg Glu Cys Met
115 120 125

Ser His Tyr Leu Arg Val Phe Asn Phe Leu Trp Arg Ala Lys Arg Met
130 135 140

Glu Tyr Ile Leu Thr Asp Ile Arg Lys Gly His Met Cys Asn Ala Lys
145 150 155 160

Leu Leu Arg Asn Met Pro Glu Phe Ser Gly Val Leu His Gln Cys His
165 170 175

Ile Leu Ala Ser Glu Met Val His Phe Ile His Gln Met Gln Tyr Tyr
180 185 190

Ile Thr Phe Glu Val Leu Glu Cys Ser Trp Asp Glu Leu Trp Asn Lys
195 200 205

Val Gln Gln Ala Gln Asp Leu Asp His Ile Ile Ala Ala His Glu Val
210 215 220

Phe Leu Asp Thr Ile Ile Ser Arg Cys Leu Leu Asp Ser Asp Ser Arg
225 230 235 240

Ala Leu Leu Asn Gln Leu Arg Ala Val Phe Asp Gln Ile Ile Glu Leu
245 250 255

Gln Asn Ala Gln Asp Ala Ile Tyr Arg Ala Ala Leu Glu Glu Leu Gln
260 265 270

Arg Arg Leu Gln Phe Glu Glu Lys Lys Lys Gln Arg Glu Ile Glu Gly
275 280 285

Gln Trp Gly Val Thr Ala Ala Glu Glu Glu Glu Glu Asn Lys Arg Ile
290 295 300

Gly Glu Phe Lys Glu Ser Ile Pro Lys Met Cys Ser Gln Leu Arg Ile
305 310 315 320

Leu Thr His Phe Tyr Gln Gly Ile Val Gln Gln Phe Leu Val Leu Leu
325 330 335

Thr Thr Ser Ser Asp Glu Ser Leu Arg Phe Leu Ser Phe Arg Leu Asp
340 345 350

Phe Asn Glu His Tyr Lys Ala Arg Glu Pro Arg Leu Arg Cys Val Ser

BNSDOCID: <WO_ _ 0122920A2 I >

355 360 365

Gly Tyr Gln Gly Ala Ala Gln Xaa Pro His Val Lys Leu Ala Val Leu
370 375 380

Pro Gly Ser Cys Gly
385

<210> 4644
<211> 40
<212> PRT
<213> Homo sapiens

<400> 4644
Phe Cys Pro Ser Arg Leu Cys Phe Leu Pro Phe Leu Cys Ser Arg Ala
1 5 10 15

Ala Ile Ser Arg Asp Pro Phe Tyr Glu Met Leu Ala Ala Arg Lys Lys
20 25 30

Lys Val Ser Ser Thr Lys Arg His
35 40

<210> 4645
<211> 353
<212> PRT
<213> Homo sapiens

<400> 4645
Arg Lys Gln Cys Gln Asp Ser Lys Asp Ser Asn His Leu Pro Lys Met
1 5 10 15

Ser Leu Ser Ala Phe Thr Leu Phe Leu Ala Leu Ile Gly Gly Thr Ser
20 25 30

Gly Gln Tyr Tyr Asp Tyr Asp Phe Pro Leu Ser Ile Tyr Gly Gln Ser
35 40 45

Ser Pro Asn Cys Ala Pro Glu Cys Asn Cys Pro Glu Ser Tyr Pro Ser
50 55 60

Ala Met Tyr Cys Asp Glu Leu Lys Leu Lys Ser Val Pro Met Val Pro
65 70 75 80

Pro Gly Ile Lys Tyr Leu Tyr Leu Arg Asn Asn Gln Ile Asp His Ile
85 90 95

Asp Glu Lys Ala Phe Glu Asn Val Thr Asp Leu Gln Trp Leu Ile Leu
100 105 110

Asp His Asn Leu Leu Glu Asn Ser Lys Ile Lys Gly Arg Val Phe Ser
115 120 125

Lys Leu Lys Gln Leu Lys Lys Leu His Ile Asn His Asn Asn Leu Thr
130 135 140

Glu Ser Val Gly Pro Leu Pro Lys Ser Leu Glu Asp Leu Gln Leu Thr
145 150 155 160

His Asn Lys Ile Thr Lys Leu Gly Ser Phe Glu Gly Leu Val Asn Leu
165 170 175

Thr Phe Ile His Leu Gln His Asn Arg Leu Lys Glu Asp Ala Val Ser
180 185 190

Ala Ala Phe Lys Gly Leu Lys Ser Leu Glu Tyr Leu Asp Leu Ser Phe
195 200 205

Asn Gln Ile Ala Arg Leu Pro Ser Gly Leu Pro Val Ser Leu Leu Thr
210 215 220

Leu Tyr Leu Asp Asn Asn Lys Ile Ser Asn Ile Pro Asp Glu Tyr Phe
225 230 235 240

Lys Arg Phe Asn Ala Leu Gln Tyr Leu Arg Leu Ser His Asn Glu Leu
245 250 255

Ala Asp Ser Gly Ile Pro Gly Asn Ser Phe Asn Val Ser Ser Leu Val
260 265 270

Glu Leu Asp Leu Ser Tyr Asn Lys Leu Lys Asn Ile Pro Thr Val Asn
275 280 285

Glu Asn Leu Glu Asn Tyr Tyr Leu Glu Val Asn Gln Leu Glu Lys Phe
290 295 300

Asp Ile Lys Ser Phe Cys Lys Ile Leu Gly Pro Leu Ser Tyr Ser Lys
305 310 315 320

Ile Lys His Leu Arg Leu Asp Gly Asn Arg Ile Ser Glu Thr Ser Leu
325 330 335

Pro Pro Asp Met Tyr Glu Cys Leu Arg Val Ala Asn Glu Val Thr Leu
340 345 350

Asn

<210> 4646
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4646
Glu Glu Gln Lys Gly Glu Ile Asn Gly Lys Thr Lys Asn Thr Gln Ile
1 5 10 15

Cys Gly Phe Gly Xaa Asn Glu Thr Arg Phe Ile Tyr Leu Lys Lys Cys
20 25 30

Trp Cys Ser Asn Thr Lys His Tyr Phe His Xaa Glu Lys Ile Thr Tyr
35 40 45

Leu Leu Pro Ser Val Leu
50

<210> 4647
<211> 38
<212> PRT
<213> Homo sapiens

<400> 4647
Asn Met Tyr Ser Gly Arg Leu Gln Trp Leu Thr Pro Val Ile Pro Ala
1 5 10 15

Leu Trp Gln Ala Glu Met Gly Gly Ser Phe Glu Val Arg Ser Leu Arg
20 25 30

Pro Ala Trp Pro Thr Trp
35

<210> 4648
<211> 515

<212> PRT
<213> Homo sapiens

<400> 4648

```
Gly Glu Trp Pro Lys Ser Leu Arg Ile Pro Glu Gly Pro Ile Asp Gln
  1               5                  10                  15

Gly Pro Ala Ile Gly Arg Val Arg Val Leu Glu Glu Gln Leu Val Lys
             20                  25                  30

Ala Lys Glu Gln Ile Glu Asn Tyr Lys Lys Gln Thr Arg Asn Gly Leu
         35                  40                  45

Gly Lys Asp His Glu Ile Leu Arg Arg Arg Ile Glu Asn Gly Ala Lys
     50                  55                  60

Glu Leu Trp Phe Phe Leu Gln Ser Glu Leu Lys Lys Leu Lys Asn Leu
 65                  70                  75                  80

Glu Gly Asn Glu Leu Gln Arg His Ala Asp Glu Phe Leu Leu Asp Leu
                 85                  90                  95

Gly His His Glu Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln
            100                 105                 110

Thr Asp Gly Ala Gly Asp Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr
        115                 120                 125

Glu Leu Val Gln Arg Arg Ile Thr Tyr Leu Gln Asn Pro Lys Asp Cys
    130                 135                 140

Ser Lys Ala Lys Lys Leu Val Cys Asn Ile Asn Lys Gly Cys Gly Tyr
145                 150                 155                 160

Gly Cys Gln Leu His His Val Val Tyr Cys Phe Met Ile Ala Tyr Gly
                165                 170                 175

Thr Gln Arg Thr Leu Ile Leu Glu Ser Gln Asn Trp Arg Tyr Ala Thr
            180                 185                 190

Gly Gly Trp Glu Thr Val Phe Arg Pro Val Ser Glu Thr Cys Thr Asp
        195                 200                 205

Arg Ser Gly Ile Ser Thr Gly His Trp Ser Gly Glu Val Lys Asp Lys
    210                 215                 220

Asn Val Gln Val Val Glu Leu Pro Ile Val Asp Ser Leu His Pro Arg
225                 230                 235                 240

Pro Pro Tyr Leu Pro Leu Ala Val Pro Glu Asp Leu Ala Asp Arg Leu
                245                 250                 255
```

```
Val Arg Val His Gly Asp Pro Ala Val Trp Trp Val Ser Gln Phe Val
            260                 265                 270

Lys Tyr Leu Ile Arg Pro Gln Pro Trp Leu Glu Lys Glu Ile Glu Glu
        275                 280                 285

Ala Thr Lys Lys Leu Gly Phe Lys His Pro Val Ile Gly Val His Val
    290                 295                 300

Arg Arg Thr Asp Lys Val Gly Thr Glu Ala Ala Phe His Pro Ile Glu
305                 310                 315                 320

Glu Tyr Met Val His Val Glu Glu His Phe Gln Leu Leu Ala Arg Arg
                325                 330                 335

Met Gln Val Asp Lys Lys Arg Val Tyr Leu Ala Thr Asp Asp Pro Ser
            340                 345                 350

Leu Leu Lys Glu Ala Lys Thr Lys Tyr Pro Asn Tyr Glu Phe Ile Ser
        355                 360                 365

Asp Asn Ser Ile Ser Trp Ser Ala Gly Leu His Asn Arg Tyr Thr Glu
    370                 375                 380

Asn Ser Leu Arg Gly Val Ile Leu Asp Ile His Phe Leu Ser Gln Ala
385                 390                 395                 400

Asp Phe Leu Val Cys Thr Phe Ser Ser Gln Val Cys Arg Val Ala Tyr
                405                 410                 415

Glu Ile Met Gln Thr Leu His Pro Asp Ala Ser Ala Asn Phe His Ser
            420                 425                 430

Leu Asp Asp Ile Tyr Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile
        435                 440                 445

Ala Ile Tyr Ala His Gln Pro Arg Thr Ala Asp Glu Ile Pro Met Glu
    450                 455                 460

Pro Gly Asp Ile Ile Gly Val Ala Gly Asn His Trp Asp Gly Tyr Ser
465                 470                 475                 480

Lys Gly Val Asn Arg Lys Leu Gly Arg Thr Gly Leu Tyr Pro Ser Tyr
                485                 490                 495

Lys Val Arg Glu Lys Ile Glu Thr Val Lys Tyr Pro Thr Tyr Pro Glu
            500                 505                 510

Ala Glu Lys
        515
```

<210> 4649
<211> 47
<212> PRT
<213> Homo sapiens

<400> 4649
Ala Ala Gly Val Pro Val Phe Asp Phe Ser Val Asn Met Leu Phe Val
1 5 10 15

His Ile Ser Thr Trp Trp Arg Pro Tyr Ser Leu Phe His Leu Pro Asn
20 25 30

Asn Gly Lys Asn Ile Lys Val Asn Gln Cys Ala Leu Gly Ile Gln
35 40 45

<210> 4650
<211> 38
<212> PRT
<213> Homo sapiens

<400> 4650
Cys Ile Val Ile Ile Tyr Asp Arg Ser Ser His Phe Phe Leu Leu Lys
1 5 10 15

Lys Ile Thr Leu Ser Pro Val Gly Asn Gly Ile Leu Trp Ala Phe Lys
20 25 30

Arg Lys Phe Tyr Glu Thr
35

<210> 4651
<211> 171
<212> PRT
<213> Homo sapiens

<400> 4651
Gly Thr Ser Tyr Gly Leu Pro Arg Tyr Arg Trp Leu Thr His Ala Trp
1 5 10 15

Asn Phe Phe Gln Arg Glu Phe Lys Cys Cys Gly Val Val Tyr Phe Thr
20 25 30

Asp Trp Leu Glu Met Thr Glu Met Asp Trp Pro Pro Asp Ser Cys Cys
35 40 45

```
Val Arg Glu Phe Pro Gly Cys Ser Lys Gln Ala His Gln Glu Asp Leu
     50                  55                  60

Ser Asp Leu Tyr Gln Glu Gly Cys Gly Lys Lys Met Tyr Ser Phe Leu
 65                  70                  75                  80

Arg Gly Thr Lys Gln Leu Gln Val Leu Arg Phe Leu Gly Ile Ser Ile
                 85                  90                  95

Gly Val Thr Gln Ile Leu Ala Met Ile Leu Thr Ile Thr Leu Leu Trp
            100                 105                 110

Ala Leu Tyr Tyr Asp Arg Arg Glu Pro Gly Thr Asp Gln Met Met Ser
        115                 120                 125

Leu Lys Asn Asp Asn Ser Gln His Leu Ser Cys Pro Ser Val Glu Leu
    130                 135                 140

Leu Lys Pro Ser Leu Ser Arg Ile Phe Glu His Thr Ser Met Ala Asn
145                 150                 155                 160

Ser Phe Asn Thr His Phe Glu Met Glu Glu Leu
                165                 170
```

<210> 4652
<211> 200
<212> PRT
<213> Homo sapiens

<400> 4652

```
Ser Leu Gly Glu Leu Pro Thr Asp Pro Ser Ser Asp Glu Pro Val Phe
  1               5                  10                  15

His Ile Ser His Ile Asp Arg Val Tyr Thr Leu Arg Thr Asp Asn Ile
            20                  25                  30

Asn Glu Arg Thr Thr Trp Val Gln Lys Ile Lys Ala Ala Ser Glu Gln
        35                  40                  45

Tyr Ile Asp Thr Glu Lys Lys Lys Arg Glu Lys Ala Tyr Gln Ala Arg
     50                  55                  60

Ser Gln Lys Thr Ser Gly Ile Gly Arg Leu Met Val His Val Ile Glu
 65                  70                  75                  80

Ala Thr Glu Leu Lys Ala Cys Lys Pro Asn Gly Lys Ser Asn Pro Tyr
                 85                  90                  95
```

```
Cys Glu Ile Ser Met Gly Ser Gln Ser Tyr Thr Thr Arg Thr Ile Gln
            100                 105                 110

Asp Thr Leu Asn Pro Lys Trp Asn Phe Asn Cys Gln Phe Phe Ile Lys
        115                 120                 125

Asp Leu Tyr Gln Asp Val Leu Cys Leu Thr Leu Phe Asp Arg Asp Gln
    130                 135                 140

Phe Ser Pro Asp Asp Phe Leu Gly Arg Thr Glu Ile Pro Val Ala Lys
145                 150                 155                 160

Ile Arg Thr Glu Gln Glu Ser Lys Gly Pro Met Thr Arg Arg Leu Leu
                165                 170                 175

Leu His Glu Val Pro Thr Gly Glu Val Trp Val Arg Phe Asp Leu Gln
            180                 185                 190

Leu Phe Glu Gln Lys Thr Leu Leu
        195                 200
```

<210> 4653
<211> 91
<212> PRT
<213> Homo sapiens

<400> 4653

```
Val Ser Pro Gly Gly Gln Gln Gly Leu His Phe Ser Glu Gly Leu Glu
  1               5                  10                  15

Gly Leu Val Glu Leu Leu Gly Gln Arg Ser Arg Ser Arg Glu Asn Ile
             20                  25                  30

Arg Pro Ser Asp Leu Ser Ser Ala Leu Arg Ala Leu Pro Glu Ser Ser
         35                  40                  45

Ser Arg Gly Leu Gln Ser Leu Arg Lys Pro Ser Gln Arg Ala Ala Pro
     50                  55                  60

Thr Ser Gln Ala Val Cys Thr Ser Pro Cys Tyr Ala Leu Leu Cys Asn
 65                  70                  75                  80

Ile Leu Gln Gln Ser Ala Val His Gly Val Cys
                85                  90
```

<210> 4654
<211> 44

BNSDOCID: <WO_ 0122920A2 I_>

<212> PRT
<213> Homo sapiens

<400> 4654
Ser Gln His Phe Ala Arg Pro Arg Arg Val Asp His Leu Arg Ser Gly
1 5 10 15

Val Arg Asp Gln Pro Asp Gln His Gly Glu Thr Pro Ser Leu Leu Lys
20 25 30

Ile Gln Lys Leu Ala Trp His Gly Gly Ala Cys Leu
35 40

<210> 4655
<211> 76
<212> PRT
<213> Homo sapiens

<400> 4655
Thr Leu Arg Val Arg Thr Gly Ser Tyr Ser Ser Leu Cys Ala Phe Leu
1 5 10 15

Met Leu Gln Arg Ile Tyr His Leu Met Glu Glu Asn Ile Cys Lys Leu
20 25 30

Ala Pro Tyr Gln Ala Pro Ser Thr Tyr Ser Thr His Leu Asn Phe Glu
35 40 45

Cys Arg Ile Phe Lys Leu Gln Pro His Ile Leu Arg Ser Arg Lys Asn
50 55 60

Leu Met Gly Ile Asn Leu His Pro Leu Ala Leu Pro
65 70 75

<210> 4656
<211> 284
<212> PRT
<213> Homo sapiens

<400> 4656
Ala His Ala Ser Thr His Ala Ser Gly Ser Val Ser Pro Cys Arg Gln
1 5 10 15

Leu His Phe Pro Leu Phe Leu Phe Pro Phe Pro Ser Arg Pro Arg Ala
20 25 30

Pro Pro Ser Leu Val Gly Trp Ser Arg Ser Pro Cys Ala Phe Ser Leu

BNSDOCID: <WO_ _0122920A2 I >

```
         35                  40                  45

Leu Gly Ser Cys Val Arg Ala Cys Pro Ala Met Asn Glu Glu Tyr Asp
      50                  55                  60

Val Ile Val Leu Gly Thr Gly Leu Thr Glu Cys Ile Leu Ser Gly Ile
 65                  70                  75                  80

Met Ser Val Asn Gly Lys Lys Val Leu His Met Asp Arg Asn Pro Tyr
                 85                  90                  95

Tyr Gly Gly Glu Ser Ala Ser Ile Thr Pro Leu Glu Asp Leu Tyr Lys
            100                 105                 110

Arg Phe Lys Ile Pro Gly Ser Pro Pro Glu Ser Met Gly Arg Gly Arg
        115                 120                 125

Asp Trp Asn Val Asp Leu Ile Pro Lys Phe Leu Met Ala Asn Gly Gln
    130                 135                 140

Leu Val Lys Met Leu Leu Tyr Thr Glu Val Thr Arg Tyr Leu Asp Phe
145                 150                 155                 160

Lys Val Thr Glu Gly Ser Phe Val Tyr Lys Gly Gly Lys Ile Tyr Lys
                165                 170                 175

Val Pro Ser Thr Glu Ala Glu Ala Leu Ala Ser Ser Leu Met Gly Leu
            180                 185                 190

Phe Glu Lys Arg Arg Phe Arg Lys Phe Leu Val Tyr Val Ala Asn Phe
        195                 200                 205

Asp Glu Lys Asp Pro Arg Thr Phe Glu Gly Ile Asp Pro Lys Lys Thr
    210                 215                 220

Thr Met Arg Asp Val Tyr Lys Lys Phe Asp Leu Gly Gln Asp Val Ile
225                 230                 235                 240

Asp Phe Thr Gly His Ala Leu Ala Leu Tyr Arg Thr Asp Asp Tyr Leu
                245                 250                 255

Asp Gln Pro Cys Tyr Glu Thr Ile Asn Arg Ile Lys Leu Tyr Tyr Cys
            260                 265                 270

Gly Lys Thr Thr Val Leu Ile Lys Asp Leu His Ser
        275                 280
```

<210> 4657
<211> 125

<212> PRT
<213> Homo sapiens

<400> 4657
Asp Gly Val Leu Leu Leu Pro Arg Leu Glu Trp Ser Ala Trp Cys Asp
1 5 10 15

Leu Gly Ser Leu Gln Thr Pro Pro Pro Gly Phe Lys Arg Phe Ser Trp
20 25 30

Pro Ser Leu Leu Ser Ser Trp Asp Tyr Arg Cys Val Pro Pro Cys Pro
35 40 45

Ala Asn Phe Cys Val Phe Ser Arg Asp Gly Val Ser Pro Cys Trp Pro
50 55 60

Ala Gly Leu Glu Leu Leu Thr Ser Gly Tyr Met Pro Thr Ser Thr Ser
65 70 75 80

Gln Ser Ala Gly Ile Thr Gly Met Ser His Cys Ala Gln Pro Gly Ile
85 90 95

Asp Asn Leu Tyr Ser Asp Asn Leu Leu Trp Leu Phe Asn Ile Pro Gln
100 105 110

Gly Ala Leu Lys Ser Lys His Ser Arg Val Cys Ser Phe
115 120 125

<210> 4658
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4658
Trp Arg Gly Val Gly Xaa Ala Arg Lys Lys Glu Asn Ser Pro Leu Gly
1 5 10 15

Lys Lys Glu Glu Glu His Trp Ile Leu Thr Phe Trp Ile Leu Thr Leu
20 25 30

Gly Cys Lys Thr Tyr Leu Pro Leu Ser Arg Leu Pro Ser Pro Ser Thr
35 40 45

Leu Asn Val Leu Leu Ser Phe Ser Val Ser Ala Pro Ser Ser Pro Phe

50 55 60

Pro Leu Pro Pro Pro His Thr Leu His Pro Leu Cys Pro Gly Pro Ser
65 70 75 80

Glu Gly His Cys Arg
85

<210> 4659
<211> 43
<212> PRT
<213> Homo sapiens

<400> 4659
Val Asp Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val Arg Pro Arg
1 5 10 15

Val Arg Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly
35 40

<210> 4660
<211> 86
<212> PRT
<213> Homo sapiens

<400> 4660
Asp Ile Thr Ala Lys Leu Gly Ile Gly Glu Met Ala Glu Thr Asp Pro
1 5 10 15

Lys Thr Val Gln Asp Leu Thr Ser Val Val Gln Thr Leu Leu Gln Gln
20 25 30

Met Gln Asp Lys Phe Gln Thr Met Ser Asp Gln Ile Ile Gly Arg Ile
35 40 45

Asp Asp Met Ser Ser Arg Ile Asp Asp Leu Glu Lys Asn Ile Ala Asp
50 55 60

Leu Met Thr Gln Ala Gly Val Glu Glu Leu Glu Ser Glu Asn Lys Ile
65 70 75 80

Pro Ala Thr Gln Lys Ser
85

BNSDOCID: <WO...0122920A2 I_>

<210> 4661
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4661
Arg Arg Glu Gly Cys Arg Arg Pro Arg Gly Ser Arg Ala Gly Gly Ala
1 5 10 15

Ala Ala Ala Ala Met Gln Glu Ile Ile Ala Ser Val Asp His Ile Lys
20 25 30

Phe Asp Leu Glu Ile Ala Val Glu Gln Gln Leu Gly Ala Gln Pro Leu
35 40 45

Pro Xaa Gln Thr Gln Pro Pro Ala Lys Xaa Xaa Thr Pro Gln Val Ile
50 55 60

Gly Val Met Gln Ser Gln Asn Ser Ser Ala Gly Asn Arg Gly Pro Arg
65 70 75 80

Pro Leu Glu Gln Val Thr Cys Tyr Lys Cys Gly Glu Lys Gly His Tyr
85 90 95

Ala Asn Arg Cys Thr Lys Gly His Leu Ala Phe Leu Ser Gly Gln
100 105 110

<210> 4662
<211> 69
<212> PRT
<213> Homo sapiens

<400> 4662
Ser His Phe Val Cys Cys Val Lys Gln Lys Ala Leu Met Lys Lys Gln
1 5 10 15

Lys Val Met Tyr Val Tyr Glu Lys Ile Asn Cys Thr Ile Ser Phe Gln
20 25 30

Tyr Val Leu Leu Tyr Ile Leu Val Leu Phe Thr Phe Ser Ser Leu Leu
35 40 45

Arg Gly Cys Glu Leu Tyr Ser Phe Gln Leu Val Thr His Ile Arg Glu
50 55 60

Glu Ile Arg Glu Tyr
65

<210> 4663
<211> 212
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (205)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4663
Gly Ala Val Ala Ala Ala Arg Ala Ile Arg Leu Thr His Leu Ala Pro
1 5 10 15

Val Pro Gln Asp Gln Ser Gly Ala Gly Arg Glu Gly Glu Glu Ala Arg
20 25 30

Ala Arg Arg Ala Arg Val Arg Ile Gly Ala Gly Arg Ser Arg Asp Leu
35 40 45

Gly Ser Gly Arg Gly Gly Cys Glu Arg Ala Ala Asn Arg Ala Gly Gly
50 55 60

Gly Arg Ala His His Gly Gly Glu Thr Arg Asp Gln Leu Thr Val Tyr
65 70 75 80

Leu Gly Lys Arg Asp Phe Val Asp His Leu Asp Lys Val Asp Pro Val
85 90 95

```
Asp Gly Val Val Leu Val Asp Pro Asp Tyr Leu Lys Asp Arg Lys Val
            100                 105                 110

Phe Val Thr Leu Thr Cys Ala Phe Arg Tyr Gly Arg Glu Asp Leu Asp
        115                 120                 125

Val Leu Gly Leu Ser Phe Arg Lys Asp Leu Phe Ile Ala Thr Tyr Gln
    130                 135                 140

Ala Phe Pro Pro Val Pro Asn Pro Pro Arg Pro Pro Thr Arg Leu Gln
145                 150                 155                 160

Asp Arg Leu Leu Arg Lys Leu Gly Gln His Ala Xaa Pro Phe Phe Phe
                165                 170                 175

Thr Ile Pro Gln Asn Leu Pro Cys Ser Val Thr Leu Gln Pro Gly Pro
            180                 185                 190

Glu Asp Thr Gly Lys Ala Cys Gly Val Asp Phe Glu Xaa Glu Pro Ser
        195                 200                 205

Val Leu Asn His
    210
```

<210> 4664
<211> 137
<212> PRT
<213> Homo sapiens

<400> 4664

```
Ala Ala Asn Lys Lys Asn Glu Ala Arg Leu Arg Ile Val Lys Thr Leu
  1               5                  10                  15

Glu Asp Ile Asp Leu Gly Pro Thr Glu Lys Cys Val Arg Val Asn Ser
             20                  25                  30

Val Ser Ser Gly Leu Ala Glu Glu Asp Leu Glu Thr Leu Leu Gln Ser
         35                  40                  45

Arg Val Leu Pro Ser Ser Leu Met Leu Pro Lys Val Glu Ser Pro Glu
     50                  55                  60

Glu Ile Gln Trp Phe Ala Asp Lys Phe Ser Phe His Leu Lys Gly Arg
 65                  70                  75                  80

Lys Leu Glu Gln Pro Met Asn Leu Ile Pro Phe Val Glu Thr Ala Met
                85                  90                  95
```

```
Gly Leu Leu Asn Phe Lys Ala Val Cys Glu Glu Thr Leu Lys Val Gly
            100                 105                 110

Pro Gln Val Gly Leu Phe Leu Asp Ala Val Val Phe Gly Arg Arg Arg
        115                 120                 125

Leu Ser Ser Gln His Arg Cys Asn Lys
    130                 135
```

<210> 4665
<211> 197
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (168)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4665

```
Val Ile Cys Met Trp Gln Gly Cys Ala Val Glu Arg Pro Val Gly Arg
  1               5                  10                  15

Met Thr Ser Gln Thr Pro Leu Pro Gln Ser Pro Arg Pro Arg Arg Pro
             20                  25                  30

Thr Met Ser Thr Val Val Glu Leu Asn Val Gly Gly Glu Phe His Thr
         35                  40                  45

Thr Thr Leu Gly Thr Leu Arg Lys Phe Pro Gly Ser Lys Leu Ala Glu
     50                  55                  60

Met Phe Ser Ser Leu Ala Lys Ala Ser Thr Asp Ala Glu Gly Arg Phe
 65                  70                  75                  80

Phe Ile Asp Arg Pro Ser Thr Tyr Phe Arg Pro Ile Leu Asp Tyr Leu
                 85                  90                  95

Arg Thr Gly Gln Val Pro Thr Gln His Ile Pro Glu Val Tyr Arg Glu
             100                 105                 110

Ala Gln Phe Tyr Glu Ile Lys Pro Leu Val Lys Leu Leu Glu Asp Met
         115                 120                 125
```

```
Pro Gln Ile Phe Gly Glu Gln Val Ser Arg Lys Gln Phe Leu Leu Gln
    130                 135                 140

Val Pro Gly Tyr Ser Glu Asn Leu Glu Leu Met Val Arg Leu Ala Arg
145                 150                 155                 160

Ala Glu Ala Ile Thr Ala Arg Xaa Ser Ser Val Xaa Val Cys Leu Val
                165                 170                 175

Glu Thr Glu Glu Gln Asp Ala Tyr Tyr Ser Glu Val Leu Cys Phe Ser
            180                 185                 190

Cys Arg Ile Arg Arg
        195
```

<210> 4666
<211> 293
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4666

```
Gln Ser Lys Met Gly Ala Tyr His Thr Ile Glu Leu Glu Pro Asn Arg
  1               5                  10                  15

Gln Phe Thr Leu Ala Lys Lys Gln Trp Asp Ser Val Val Leu Glu Arg
            20                  25                  30

Ile Glu Gln Ala Cys Xaa Pro Ala Trp Ser Ala Asp Val Ala Ala Val
        35                  40                  45

Val Met Gln Glu Gly Leu Ala His Ile Cys Leu Val Thr Pro Ser Met
    50                  55                  60

Thr Leu Thr Arg Ala Lys Val Glu Val Asn Ile Pro Arg Lys Arg Lys
65                  70                  75                  80

Gly Asn Cys Ser Gln His Asp Arg Ala Leu Glu Arg Phe Tyr Glu Gln
                85                  90                  95

Val Val Gln Ala Ile Gln Arg His Ile His Phe Asp Val Val Lys Cys
            100                 105                 110

Ile Leu Val Ala Ser Pro Gly Phe Val Arg Glu Gln Phe Cys Asp Tyr
        115                 120                 125
```

```
Met Phe Gln Gln Ala Val Lys Thr Asp Asn Lys Leu Leu Leu Glu Asn
    130                 135                 140

Arg Ser Lys Phe Leu Gln Val His Ala Ser Ser Gly His Lys Tyr Ser
145                 150                 155                 160

Leu Lys Glu Ala Leu Cys Asp Pro Thr Val Ala Ser Arg Leu Ser Asp
                165                 170                 175

Thr Lys Ala Ala Gly Glu Val Lys Ala Leu Asp Asp Phe Tyr Lys Met
            180                 185                 190

Leu Gln His Glu Pro Asp Arg Ala Phe Tyr Gly Leu Lys Gln Val Glu
        195                 200                 205

Lys Ala Asn Glu Ala Met Ala Ile Asp Thr Leu Leu Ile Ser Asp Glu
    210                 215                 220

Leu Phe Arg His Gln Asp Val Ala Thr Arg Ser Arg Tyr Val Arg Leu
225                 230                 235                 240

Val Asp Ser Val Lys Glu Asn Ala Gly Thr Val Arg Ile Phe Ser Ser
                245                 250                 255

Leu His Val Ser Gly Glu Gln Leu Ser Gln Leu Thr Gly Val Ala Ala
            260                 265                 270

Ile Leu Arg Phe Pro Val Pro Glu Leu Ser Asp Gln Glu Gly Asp Ser
        275                 280                 285

Ser Ser Glu Glu Asp
    290
```

<210> 4667
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO _ 0122920A2_I_>

<400> 4667
Pro Ala Ser Thr Ala Trp Val Pro Pro Pro Gly Xaa Asp Pro Gly Pro
1 5 10 15

Arg Ser Leu Ala Pro Gly Trp Asp Pro Ala Pro Gly Ser Tyr Xaa Arg
20 25 30

Gly Ser Gln Leu Arg Arg Pro Ala Gln Pro Asp Ser Leu Lys Ala Gln
35 40 45

Arg Ala Gly Ser Arg Pro Pro
50 55

<210> 4668
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4668
Val Asp Pro Arg Val Xaa Pro Arg Ser Gly Gly Glu Lys Pro Gly Gly
1 5 10 15

Leu Gly Ala Pro Ala Gly Ile Gly Ser Arg Leu Gly Cys Glu Arg Phe
20 25 30

Ser Arg Ser Arg Glu Ile Leu Gln Ala Ile Thr Met Ser Thr Asp Thr
35 40 45

Gly Val Ser Leu Pro Ser Tyr Glu Glu Asp Gln Gly Ser Lys Leu Ile
50 55 60

Arg Lys Ala Lys Glu Ala Pro Phe Val Pro Val Gly Ile Ala Gly Phe
65 70 75 80

Ala Ala Ile Val Ala Tyr Gly Leu Tyr Lys Leu Lys Ser Arg Gly Asn
85 90 95

Thr Lys Met Ser Ile His Leu Ile His Met Arg Val Ala Ala Gln Gly
100 105 110

Phe Val Val Gly Ala Met Thr Val Gly Met Gly Tyr Ser Met Tyr Arg
115 120 125

Glu Phe Trp Ala Lys Pro Lys Pro

130 135

<210> 4669
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4669
Thr Ala Ser Trp Ser Pro Ala Pro Val Pro Ser Ser Leu Glu Arg Leu
1 5 10 15

Phe Ser Pro Asp Gly Thr Phe Pro Ser Arg Arg Phe Leu Gly Leu Trp
20 25 30

Leu Phe Phe Ser Cys Ala Arg Leu Ile Gly His Leu Leu Ala Ser Ile
35 40 45

Ser Val Val Leu Leu Pro His Phe Leu Phe Cys Cys Phe Ser Val Leu
50 55 60

Ser Lys Tyr Leu Leu Cys Ser Trp Leu Pro Phe Xaa Arg Gln Val Phe
65 70 75 80

Ser Phe Pro Leu Ala Leu Leu Leu Ile Trp Leu Leu Pro Thr Lys Ala
85 90 95

Cys Ser Val Arg Ile Ser Trp Phe Ser Thr Cys Gln Asn Leu Leu Gln
100 105 110

Pro Gln Phe Leu Gly Leu Asn Leu Tyr Val
115 120

<210> 4670
<211> 439
<212> PRT
<213> Homo sapiens

<400> 4670
Gly Gly Arg Gly Gln Glu Pro Gln Met Arg Ala Phe Leu Ala Cys Met
1 5 10 15

Arg Ser Asp Thr Pro Ala Met Leu Asn Pro Ala Asn Val Pro Thr His

20 25 30

Leu Met Val Leu Cys Cys Val Leu Arg Tyr Met Val Gln Trp Pro Gly
35 40 45

Ala Arg Ile Leu Arg Arg Gln Glu Leu Asp Ala Phe Leu Ala Gln Ala
50 55 60

Leu Ser Pro Lys Leu Tyr Glu Pro Asp Gln Leu Gln Glu Leu Lys Ile
65 70 75 80

Glu Asn Leu Asp Pro Arg Gly Ile Gln Leu Ser Ala Leu Phe Met Ser
85 90 95

Gly Val Asp Met Ala Leu Phe Ala Asn Asp Ala Cys Gly Gln Pro Ile
100 105 110

Pro Trp Glu His Cys Cys Pro Trp Met Tyr Phe Asp Gly Lys Leu Phe
115 120 125

Gln Ser Lys Leu Leu Lys Ala Ser Arg Glu Lys Thr Pro Leu Ile Asp
130 135 140

Leu Cys Asp Gly Gln Ala Asp Gln Ala Ala Lys Val Glu Lys Met Arg
145 150 155 160

Gln Ser Val Leu Glu Gly Leu Ser Phe Ser Arg Gln Ser His Thr Leu
165 170 175

Pro Phe Pro Pro Pro Pro Ala Leu Pro Phe Tyr Pro Ala Ser Ala Tyr
180 185 190

Pro Arg His Phe Gly Pro Val Pro Pro Ser Gln Gly Arg Gly Arg Gly
195 200 205

Phe Ala Gly Val Cys Gly Phe Gly Gly Pro Tyr Gly Glu Thr Val Ala
210 215 220

Thr Gly Pro Tyr Arg Ala Phe Arg Val Ala Ala Ala Ser Gly His Cys
225 230 235 240

Gly Ala Phe Ser Gly Ser Asp Ser Ser Arg Thr Ser Lys Ser Gln Gly
245 250 255

Gly Val Gln Pro Ile Pro Ser Gln Gly Gly Lys Leu Glu Ile Ala Gly
260 265 270

Thr Val Val Gly His Trp Ala Gly Ser Arg Arg Gly Arg Gly Gly Arg
275 280 285

Gly Pro Phe Pro Leu Gln Val Val Ser Val Gly Gly Pro Ala Arg Gly

BNSDOCID: <WO_ _0122920A2_I_>

290 295 300

Arg Pro Arg Gly Val Ile Ser Thr Pro Val Ile Arg Thr Phe Gly Arg
305 310 315 320

Gly Gly Arg Tyr Tyr Gly Arg Gly Tyr Lys Asn Gln Ala Ala Ile Gln
325 330 335

Gly Arg Pro Pro Tyr Ala Ala Ser Ala Glu Glu Val Ala Lys Glu Leu
340 345 350

Lys Ser Lys Ser Gly Glu Ser Lys Ser Ser Ala Met Ser Ser Asp Gly
355 360 365

Ser Leu Ala Glu Asn Gly Val Met Ala Glu Glu Lys Pro Ala Pro Gln
370 375 380

Met Asn Gly Ser Thr Gly Asp Ala Arg Ala Pro Ser His Ser Glu Ser
385 390 395 400

Ala Leu Asn Asn Asp Ser Lys Thr Cys Asn Thr Asn Pro His Leu Asn
405 410 415

Ala Leu Ser Thr Asp Ser Ala Cys Arg Arg Glu Ala Ala Leu Glu Ala
420 425 430

Ala Val Leu Asn Lys Glu Glu
435

<210> 4671
<211> 102
<212> PRT
<213> Homo sapiens

<400> 4671
Asn Arg Lys Val Cys Arg Lys Ile Ala Ala His Gly Leu Cys Arg Lys
1 5 10 15

Glu Ser Leu Gln Asn Leu Leu His Ser Ser Arg Lys Leu Ser Leu Gln
20 25 30

Val Leu Asn Phe Val His Ser Phe Gln Glu Gly Ala Ser Ile Leu Asp
35 40 45

Ile His Thr Glu Pro Ser Phe Ser Ser Leu Leu Ser Gln Ser Ser Tyr
50 55 60

Ala Asp Met Gly Val Pro Leu Pro Ala Lys Asn Leu Ile Phe Lys Asp
65 70 75 80

Gly Val Leu Ser Glu Trp Ser Gly Arg Ser Pro Ser Ser Leu Leu Ile
85 90 95

Ala Asn Leu His Leu Gln
100

<210> 4672
<211> 631
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (341)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (357)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4672

```
Lys Asp Glu Glu Glu Glu Pro Pro Ser Met Thr Gln Leu Leu Arg Arg
 1               5                  10                  15

Xaa Xaa Leu Ser Cys His Arg Pro Gly Met Trp Ser Val His Cys Arg
            20                  25                  30

Ser Lys Glu Xaa Xaa Asp Met Met Gly Arg Asn Gln Thr Ala Val Arg
        35                  40                  45

Glu Glu Met Xaa Leu Leu Ala Asn Tyr Leu Asp Ser Met Tyr Xaa Met
    50                  55                  60

Leu Asn Ile Arg Ile Val Leu Val Gly Leu Glu Ile Trp Thr Asn Gly
65                  70                  75                  80

Asn Leu Ile Asn Ile Val Gly Gly Ala Gly Asp Val Leu Gly Asn Xaa
                85                  90                  95

Val Gln Trp Arg Glu Lys Phe Leu Ile Thr Arg Arg Arg His Asp Ser
            100                 105                 110

Ala Gln Leu Val Leu Lys Lys Gly Phe Gly Gly Thr Ala Gly Met Ala
        115                 120                 125

Phe Val Gly Thr Val Cys Ser Arg Ser His Ala Gly Gly Ile Asn Val
    130                 135                 140

Phe Gly Gln Ile Thr Val Glu Thr Phe Ala Ser Ile Val Ala His Glu
145                 150                 155                 160

Leu Gly His Asn Leu Gly Met Asn His Asp Asp Gly Arg Asp Cys Ser
                165                 170                 175

Cys Gly Ala Lys Ser Cys Ile Met Asn Ser Gly Ala Ser Gly Ser Arg
            180                 185                 190

Asn Phe Ser Ser Cys Ser Ala Glu Asp Phe Glu Lys Leu Thr Leu Asn
        195                 200                 205

Lys Gly Gly Asn Cys Leu Leu Asn Ile Pro Lys Pro Asp Glu Ala Tyr
    210                 215                 220
```

```
Ser Ala Pro Ser Cys Gly Asn Lys Leu Val Asp Ala Gly Glu Glu Cys
225                 230                 235                 240

Asp Cys Gly Thr Pro Lys Glu Cys Glu Leu Asp Pro Cys Cys Glu Gly
                245                 250                 255

Ser Thr Cys Lys Leu Lys Ser Phe Ala Glu Cys Ala Tyr Gly Asp Cys
            260                 265                 270

Cys Lys Asp Cys Arg Phe Leu Pro Gly Gly Thr Leu Cys Arg Gly Lys
        275                 280                 285

Thr Ser Glu Cys Asp Val Pro Glu Tyr Cys Asn Gly Ser Ser Gln Phe
    290                 295                 300

Cys Gln Pro Asp Val Phe Ile Gln Asn Gly Tyr Pro Cys Gln Asn Asn
305                 310                 315                 320

Lys Ala Tyr Cys Tyr Asn Gly Met Cys Gln Tyr Tyr Asp Ala Gln Cys
                325                 330                 335

Gln Val Ile Phe Xaa Ser Lys Ala Lys Ala Ala Pro Lys Asp Cys Phe
            340                 345                 350

Ile Glu Val Asn Xaa Lys Gly Asp Arg Phe Gly Asn Cys Gly Phe Ser
        355                 360                 365

Gly Asn Glu Tyr Lys Lys Cys Ala Thr Gly Asn Ala Leu Cys Gly Lys
    370                 375                 380

Leu Gln Cys Glu Asn Val Gln Glu Ile Pro Val Phe Gly Ile Val Pro
385                 390                 395                 400

Ala Ile Ile Gln Thr Pro Ser Arg Gly Thr Lys Cys Trp Gly Val Asp
                405                 410                 415

Phe Gln Leu Gly Ser Asp Val Pro Asp Pro Gly Met Val Asn Glu Gly
            420                 425                 430

Thr Lys Cys Gly Ala Gly Lys Ile Cys Arg Asn Phe Gln Cys Val Asp
        435                 440                 445

Ala Ser Val Leu Asn Tyr Asp Cys Asp Val Gln Lys Lys Cys His Gly
    450                 455                 460

His Gly Val Cys Asn Ser Asn Lys Asn Cys His Cys Glu Asn Gly Trp
465                 470                 475                 480

Ala Pro Pro Asn Cys Glu Thr Lys Gly Tyr Gly Gly Ser Val Asp Ser
                485                 490                 495
```

```
Gly Pro Thr Tyr Asn Glu Met Asn Thr Ala Leu Arg Asp Gly Leu Leu
            500                 505                 510

Val Phe Phe Phe Leu Ile Val Pro Leu Ile Val Cys Ala Ile Phe Ile
        515                 520                 525

Phe Ile Lys Arg Asp Gln Leu Trp Arg Ser Tyr Phe Arg Lys Lys Arg
    530                 535                 540

Ser Gln Thr Tyr Glu Ser Asp Gly Lys Asn Gln Ala Asn Pro Ser Arg
545                 550                 555                 560

Gln Pro Gly Ser Val Pro Arg His Val Ser Pro Val Thr Pro Pro Arg
                565                 570                 575

Glu Val Pro Ile Tyr Ala Asn Arg Phe Ala Val Pro Thr Tyr Ala Ala
            580                 585                 590

Lys Gln Pro Gln Gln Phe Pro Ser Arg Pro Pro Pro Pro Gln Pro Lys
        595                 600                 605

Val Ser Ser Gln Gly Asn Leu Ile Pro Ala Arg Pro Ala Pro Ala Pro
    610                 615                 620

Pro Leu Tyr Ser Ser Leu Thr
625                 630
```

<210> 4673
<211> 98
<212> PRT
<213> Homo sapiens

<400> 4673

```
Met Ile Ala Thr Tyr Cys Phe Cys Cys Cys Phe Phe Ser Asp Ser Phe
  1               5                  10                  15

Leu Ser Leu Asp Leu Phe Val Leu Ser Cys Gly Glu Trp Cys Phe Ser
             20                  25                  30

Tyr Cys Val Ala Ala Arg Ile Arg Ile Gln Phe Leu Phe Leu Leu Pro
         35                  40                  45

Tyr Ser Tyr Cys Val Ala Thr Arg Ile Arg Ile Gln Phe Leu Phe Ile
     50                  55                  60

Leu Pro Cys Ser Glu Gly Ser Leu Ile Ser Thr Lys Lys Leu Leu Glu
 65                  70                  75                  80

Ala Glu Lys Val Asn Val Ile Val His Ser Ala Phe Lys Lys Leu Phe
```

BNSDOCID: <WO__0122920A2_I_>

85 90 95

Gln Leu

<210> 4674
<211> 35
<212> PRT
<213> Homo sapiens

<400> 4674
Asn Lys Ser Trp Ser Ser Thr Ala Val Ala Ala Ala Leu Glu Leu Val
1 5 10 15

Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Val Met Asn Arg Asn
20 25 30

Phe Gln Met
35

<210> 4675
<211> 487
<212> PRT
<213> Homo sapiens

<400> 4675
Phe Ser Glu Val Gln Ile Ala Leu Asn Glu Ala Lys Leu Ser Glu Glu
1 5 10 15

Lys Val Lys Ser Glu Cys His Arg Val Gln Glu Glu Asn Ala Arg Leu
20 25 30

Lys Lys Lys Lys Glu Gln Leu Gln Gln Glu Ile Glu Asp Trp Ser Lys
35 40 45

Leu His Ala Glu Leu Ser Glu Gln Ile Lys Ser Phe Glu Lys Ser Gln
50 55 60

Lys Asp Leu Glu Val Ala Leu Thr His Lys Asp Asp Asn Ile Asn Ala
65 70 75 80

Leu Thr Asn Cys Ile Thr Gln Leu Asn Leu Leu Glu Cys Glu Ser Glu
85 90 95

Ser Glu Gly Gln Asn Lys Gly Gly Asn Asp Ser Asp Glu Leu Ala Asn
100 105 110

BNSDOCID: <WO _ 0122920A2 I >

Gly Glu Val Gly Gly Asp Arg Asn Glu Lys Met Lys Asn Gln Ile Lys
115 120 125

Gln Met Met Asp Val Ser Arg Thr Gln Thr Ala Ile Ser Val Val Glu
130 135 140

Glu Asp Leu Lys Leu Leu Gln Leu Lys Leu Arg Ala Ser Val Ser Thr
145 150 155 160

Lys Cys Asn Leu Glu Asp Gln Val Lys Lys Leu Glu Asp Asp Arg Asn
165 170 175

Ser Leu Gln Ala Ala Lys Ala Gly Leu Glu Asp Glu Cys Lys Thr Leu
180 185 190

Arg Gln Lys Val Glu Ile Leu Asn Glu Leu Tyr Gln Gln Lys Glu Met
195 200 205

Ala Leu Gln Lys Lys Leu Ser Gln Glu Glu Tyr Glu Arg Gln Glu Arg
210 215 220

Glu His Arg Leu Ser Ala Ala Asp Glu Lys Ala Val Ser Ala Ala Glu
225 230 235 240

Glu Val Lys Thr Tyr Lys Arg Arg Ile Glu Glu Met Glu Asp Glu Leu
245 250 255

Gln Lys Thr Glu Arg Ser Phe Lys Asn Gln Ile Ala Thr His Glu Lys
260 265 270

Lys Ala His Glu Asn Trp Leu Lys Ala Arg Ala Ala Glu Arg Ala Ile
275 280 285

Ala Glu Glu Lys Arg Glu Ala Ala Asn Leu Arg His Lys Leu Leu Glu
290 295 300

Leu Thr Gln Lys Met Ala Met Leu Gln Glu Glu Pro Val Ile Val Lys
305 310 315 320

Pro Met Pro Gly Lys Pro Asn Thr Gln Asn Pro Pro Arg Arg Gly Pro
325 330 335

Leu Ser Gln Asn Gly Ser Phe Gly Pro Ser Pro Val Ser Gly Gly Glu
340 345 350

Cys Ser Pro Pro Leu Thr Val Glu Pro Pro Val Arg Pro Leu Ser Ala
355 360 365

Thr Leu Asn Arg Arg Asp Met Pro Arg Ser Glu Phe Gly Ser Val Asp
370 375 380

BNSDOCID: <WO_ 0122920A2_1_>

```
Gly Pro Leu Pro His Pro Arg Trp Ser Ala Glu Ala Ser Gly Lys Pro
385                 390                 395                 400

Ser Pro Ser Asp Pro Gly Ser Gly Thr Ala Thr Met Met Asn Ser Ser
                405                 410                 415

Ser Arg Gly Ser Ser Pro Thr Arg Val Leu Asp Glu Gly Lys Val Asn
            420                 425                 430

Met Ala Pro Lys Gly Pro Pro Pro Phe Pro Gly Val Pro Leu Met Ser
        435                 440                 445

Thr Pro Met Gly Gly Pro Val Pro Pro Pro Ile Arg Tyr Gly Pro Pro
    450                 455                 460

Pro Gln Leu Cys Gly Pro Phe Gly Pro Arg His Phe Leu His Pro Leu
465                 470                 475                 480

Ala Leu Val Cys Val His His
                485
```

<210> 4676
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4676

```
Ala Phe Asp Glu Ala Ile Ala Glu Leu Asp Thr Leu Asn Glu Glu Ser
  1               5                  10                  15

Tyr Lys Asp Ser Thr Leu Xaa Met Gln Leu Leu Arg Asp Asn Leu Thr
             20                  25                  30

Val Ser Thr Thr Ser Thr Gly Phe Ile Val Ser Phe Leu Phe Thr Tyr
         35                  40                  45

Leu Ile Ile His Cys Tyr Leu Gln Glu Gly Ile Cys Thr Ile Lys Cys
     50                  55                  60

Ser Tyr Ser Phe Lys Leu Leu Asn Leu Leu
 65                  70
```

BNSDOCID: <WO_ 0122920A2 I_ >

<210> 4677
<211> 414
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (391)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4677
Val Ile Gly Glu Phe Arg Asp Cys Ile Ser Ser Arg Glu Phe Leu Gln
1 5 10 15

Pro Ser Ser Lys Ala Ser Leu Glu Ser Thr Ser Asp Leu Gly Ala Ser
20 25 30

Gly Lys His Gly Gly Asn Val Ser Leu Asp Val Leu Pro Val Lys Gly
35 40 45

Pro Gln Gly Ser Pro Leu Leu Ser Arg Ala Ala Arg Pro Pro Asp Gln
50 55 60

Leu Ala Ser Glu Glu Pro Trp Thr Val Leu Pro Glu His Leu Ile Leu
65 70 75 80

Val Ala Pro Ser Pro Cys Asp Met Ala Lys Thr Gly Arg Phe Gln Ile
85 90 95

Val Asn Asn Ser Val Arg Leu Leu Arg Phe Glu Leu Cys Trp Pro Ala
100 105 110

His Cys Leu Thr Val Thr Pro Gln His Gly Cys Val Ala Pro Glu Ser
115 120 125

Lys Leu Gln Ile Leu Val Ser Pro Asn Ser Ser Leu Ser Thr Lys Gln
130 135 140

Ser Met Phe Pro Trp Ser Gly Leu Ile Tyr Ile His Cys Asp Asp Gly
145 150 155 160

Gln Lys Lys Ile Val Lys Val Gln Ile Arg Glu Asp Leu Thr Gln Val
165 170 175

Glu Leu Leu Thr Arg Leu Thr Ser Lys Pro Phe Gly Ile Leu Ser Pro
180 185 190

Val Ser Glu Pro Ser Val Ser His Leu Val Lys Pro Met Thr Lys Pro
195 200 205

Pro Ser Thr Lys Val Glu Ile Arg Asn Lys Ser Ile Thr Phe Pro Thr

BNSDOCID: <WO__ 0122920A2 I_>

210 215 220

Thr Glu Pro Gly Glu Thr Ser Glu Ser Cys Leu Glu Leu Glu Asn His
225 230 235 240

Gly Thr Thr Asp Val Lys Trp His Leu Ser Ser Leu Ala Pro Pro Tyr
245 250 255

Val Lys Gly Val Asp Glu Ser Gly Asp Val Phe Arg Ala Thr Tyr Ala
260 265 270

Ala Phe Arg Cys Ser Pro Ile Ser Gly Leu Leu Glu Ser His Gly Ile
275 280 285

Gln Lys Val Ser Ile Thr Phe Leu Pro Arg Gly Arg Gly Asp Tyr Ala
290 295 300

Gln Phe Trp Asp Val Glu Cys His Pro Leu Lys Glu Pro His Met Lys
305 310 315 320

His Thr Leu Arg Phe Gln Leu Ser Gly Gln Ser Ile Glu Ala Glu Asn
325 330 335

Glu Pro Glu Asn Ala Cys Leu Ser Thr Asp Ser Leu Ile Lys Ile Asp
340 345 350

His Leu Val Lys Pro Arg Arg Gln Ala Val Ser Glu Ala Ser Ala Arg
355 360 365

Ile Pro Asp Arg Gln Leu Asp Val Thr Ala Arg Gly Val Tyr Ala Pro
370 375 380

Glu Asp Val Tyr Arg Ser Xaa Arg Leu Val Trp Gly Asn His Gly His
385 390 395 400

Leu Lys Ala Ile Cys Glu Ile Ile Leu Leu Leu His Thr His
405 410

<210> 4678
<211> 85
<212> PRT
<213> Homo sapiens

<400> 4678
Leu Tyr Ile Phe Phe Gly Lys Lys Tyr Leu Lys Thr Ser Ala Tyr Lys
1 5 10 15

Asp Ser Gln Lys Cys Gln Arg Phe Ser Arg Lys Phe Ile Leu Tyr Ile
20 25 30

Ser Lys Met Ile Tyr Gln Cys Tyr Leu Pro Lys Glu Ile Ile Leu Phe
35 40 45

Phe Pro Phe Gly Glu Ile Leu Ser Ser Asn Met Arg Ile Arg Ser Leu
50 55 60

Asp Ser Ile Ser Thr Tyr Thr Ile Lys Leu Asn Leu Glu Pro Glu Leu
65 70 75 80

Gly Cys Ser Val Pro
85

<210> 4679
<211> 112
<212> PRT
<213> Homo sapiens

<400> 4679
Arg Ala Pro Cys Val Ser Leu Ser Ser Gln Val His Ser Gly Leu Leu
1 5 10 15

Leu His Pro Leu Leu Arg Gly Cys Pro Ala Gly Arg Gly Pro Leu Leu
20 25 30

Ser Gln Leu Gln Ser Ser Pro Gly His Leu Gln Ala Phe Val Gly Leu
35 40 45

Ser Gln Thr Trp Arg Glu Pro Gly Ala Ala Gly Ser Pro Phe His Leu
50 55 60

Ser Ser Ser Phe Thr Pro Gly Gly Gly Ser Ala Leu Val Val Ser Pro
65 70 75 80

Leu Gln Gly Ala His Leu His Val Phe Phe Trp Gly Glu Tyr Val Ala
85 90 95

Lys Leu Thr Asn Leu Gln Thr Pro Glu Ile Ala Ala Trp Ser Arg Ala
100 105 110

<210> 4680
<211> 561
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (171)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4680
Asn Cys His Phe Lys Leu Ser Ser His Tyr Leu Asp Gly Tyr Thr Ser
1 5 10 15

Pro Gly Phe Lys Met Leu Glu Ala Tyr Asn Leu Thr Glu Lys Asn Phe
20 25 30

Ala Ser Val Gln Gly Val Ser Leu Glu Ser Gly Ser Phe Pro Ser Tyr
35 40 45

Ser Ala Tyr Arg Ile Gln Lys Asn Ala Phe Val Asn Gln Pro Thr Ala
50 55 60

Asp Leu His Gln Asn Gly Leu Pro Pro Ser Tyr Thr Ile Ile Leu Leu
65 70 75 80

Phe Arg Leu Leu Pro Glu Thr Pro Ser Asp Pro Phe Ala Ile Trp Gln
85 90 95

Ile Thr Asp Arg Asp Tyr Lys Pro Gln Val Gly Val Ile Ala Asp Xaa
100 105 110

Ser Ser Lys Thr Leu Ser Phe Phe Asn Lys Asp Thr Arg Gly Glu Val
115 120 125

Gln Thr Val Thr Phe Asp Thr Glu Glu Val Lys Thr Leu Phe Tyr Gly
130 135 140

Ser Phe His Lys Val His Ile Val Val Thr Ser Lys Ser Val Lys Ile
145 150 155 160

Tyr Ile Asp Cys Tyr Glu Ile Ile Xaa Lys Xaa Ile Lys Glu Ala Gly
165 170 175

Asn Ile Thr Thr Asp Gly Tyr Glu Ile Leu Gly Lys Leu Leu Lys Gly

BNSDOCID: <WO__ 0122920A2 I >

180 185 190

Glu Arg Lys Ser Ala Ala Phe Gln Ile Gln Ser Phe Asp Ile Val Cys
195 200 205

Ser Pro Val Trp Thr Ser Arg Asp Arg Cys Cys Asp Ile Pro Ser Arg
210 215 220

Arg Asp Glu Gly Lys Cys Pro Ala Phe Pro Asn Ser Cys Thr Cys Thr
225 230 235 240

Gln Asp Ser Val Gly Pro Pro Gly Pro Pro Gly Pro Ala Gly Gly Pro
245 250 255

Gly Ala Lys Gly Pro Arg Gly Glu Arg Gly Ile Ser Gly Ala Ile Gly
260 265 270

Pro Pro Gly Pro Arg Gly Asp Ile Gly Pro Pro Gly Pro Gln Gly Pro
275 280 285

Pro Gly Pro Gln Gly Pro Asn Gly Leu Ser Ile Pro Gly Glu Gln Gly
290 295 300

Arg Gln Gly Met Lys Gly Asp Ala Gly Glu Pro Gly Leu Pro Gly Arg
305 310 315 320

Thr Gly Thr Pro Gly Leu Pro Gly Pro Pro Gly Pro Met Gly Pro Pro
325 330 335

Gly Asp Arg Gly Phe Thr Gly Lys Asp Gly Ala Met Gly Pro Arg Gly
340 345 350

Pro Pro Gly Pro Pro Gly Ser Pro Gly Ser Pro Gly Val Thr Gly Pro
355 360 365

Ser Gly Lys Pro Gly Lys Pro Gly Asp His Gly Arg Pro Gly Pro Ser
370 375 380

Gly Leu Lys Gly Glu Lys Gly Asp Arg Gly Asp Ile Ala Ser Gln Asn
385 390 395 400

Met Met Arg Ala Val Ala Arg Gln Val Cys Glu Gln Leu Ile Ser Gly
405 410 415

Gln Met Asn Arg Phe Asn Gln Met Leu Asn Gln Ile Pro Asn Asp Tyr
420 425 430

Gln Ser Ser Arg Asn Gln Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
435 440 445

Gly Ser Ala Gly Ala Arg Gly Glu Pro Gly Pro Gly Gly Arg Pro Gly

BNSDOCID: <WO 0122920A2 I_>

```
     450                 455                 460

Phe Pro Gly Thr Pro Gly Met Gln Gly Pro Pro Gly Glu Arg Gly Leu
465                 470                 475                 480

Pro Gly Glu Lys Gly Glu Arg Gly Thr Gly Ser Ser Gly Pro Arg Gly
                485                 490                 495

Leu Pro Gly Pro Pro Gly Pro Gln Gly Glu Ser Arg Thr Gly Pro Pro
            500                 505                 510

Gly Ser Thr Gly Ser Arg Gly Pro Pro Gly Pro Pro Gly Arg Pro Gly
        515                 520                 525

Asn Ser Gly Ile Arg Gly Pro Pro Gly Pro Pro Gly Tyr Cys Asp Ser
    530                 535                 540

Ser Gln Cys Ala Ser Ile Pro Tyr Asn Gly Gln Ser Tyr Pro Gly Ser
545                 550                 555                 560

Gly
```

<210> 4681
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4681

```
Thr Ser Pro Thr Thr His Leu Ser Leu Val Pro Asn Ser Cys Ser Pro
  1               5                  10                  15

Gly Asp Pro Leu Val Leu Glu Arg Pro Pro Pro Arg Trp Ser Xaa Ser
            20                  25                  30

Phe Val Pro Leu Val Arg
        35
```

<210> 4682
<211> 309
<212> PRT
<213> Homo sapiens

<400> 4682
Pro Ala Ile Ala Met Ala Arg Gly Lys Ala Lys Glu Glu Gly Ser Trp
1 5 10 15

Lys Lys Phe Ile Trp Asn Ser Glu Lys Lys Glu Phe Leu Gly Arg Thr
20 25 30

Gly Gly Ser Trp Phe Lys Ile Leu Leu Phe Tyr Val Ile Phe Tyr Gly
35 40 45

Cys Leu Ala Gly Ile Phe Ile Gly Thr Ile Gln Val Met Leu Leu Thr
50 55 60

Ile Ser Glu Phe Lys Pro Thr Tyr Gln Asp Arg Val Ala Pro Pro Gly
65 70 75 80

Leu Thr Gln Ile Pro Gln Ile Gln Lys Thr Glu Ile Ser Phe Arg Pro
85 90 95

Asn Asp Pro Lys Ser Tyr Glu Ala Tyr Val Leu Asn Ile Val Arg Phe
100 105 110

Leu Glu Lys Tyr Lys Asp Ser Ala Gln Arg Asp Asp Met Ile Phe Glu
115 120 125

Asp Cys Gly Asp Val Pro Ser Glu Pro Lys Glu Arg Gly Asp Phe Asn
130 135 140

His Glu Arg Gly Glu Arg Lys Val Cys Arg Phe Lys Leu Glu Trp Leu
145 150 155 160

Gly Asn Cys Ser Gly Leu Asn Asp Glu Thr Tyr Gly Tyr Lys Glu Gly
165 170 175

Lys Pro Cys Ile Ile Ile Lys Leu Asn Arg Val Leu Gly Phe Lys Pro
180 185 190

Lys Pro Pro Lys Asn Glu Ser Leu Glu Thr Tyr Pro Val Met Lys Tyr
195 200 205

Asn Pro Asn Val Leu Pro Val Gln Cys Thr Gly Lys Arg Asp Glu Asp
210 215 220

Lys Asp Lys Val Gly Asn Val Glu Tyr Phe Gly Leu Gly Asn Ser Pro
225 230 235 240

Gly Phe Pro Leu Gln Tyr Tyr Pro Tyr Tyr Gly Lys Leu Leu Gln Pro
245 250 255

Lys Tyr Leu Gln Pro Leu Leu Ala Val Gln Phe Thr Asn Leu Thr Met

260 265 270

Asp Thr Glu Ile Arg Ile Glu Cys Lys Ala Tyr Gly Glu Asn Ile Gly
275 280 285

Tyr Ser Glu Lys Asp Arg Phe Gln Gly Arg Phe Asp Val Lys Ile Glu
290 295 300

Val Lys Ser Asp Ser
305

<210> 4683
<211> 177
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4683
Cys Phe Gly Phe Val Phe Pro Glu Ala Ala Ile Trp Ser Leu Ser Thr
1 5 10 15

Gly Met Ser Gln Thr Gly Pro Pro Met Ser Met Ala Ala Pro Ala Arg
20 25 30

Asn Ala Arg Val Ser Leu Pro Gly Leu Arg Val Asp Met Pro Ala Pro
35 40 45

Cys Gln Pro Pro Val Ala Trp Pro Gly Xaa Pro Glu Pro Val Cys Pro
50 55 60

Pro Gln Gly Trp Arg Ser Leu Trp Ala Pro Gly Gly Phe Pro Pro Gly
65 70 75 80

Asp Ser His Gly Ala Pro Cys Ser Arg Val Val Thr Val Ser Pro Glu
85 90 95

Met Thr Glu Thr Arg His Ser Pro Gly Pro Gln Arg Gly Gly Ala Ser
100 105 110

Arg Gln Thr Leu Gly Met Glu Leu Trp Cys Gly Leu Ser Cys Met Val
115 120 125

Ala Ser Ala Phe Cys Gln His Phe Trp Met Asp Ile Gly Thr Ile Ile
130 135 140

BNSDOCID: <WO___ 0122920A2_I_ >

Ser Ile Leu Ile His Gly Asp Phe Lys Thr Thr Ile Lys Leu Ile Gln
145 150 155 160

Ser Pro Leu Thr Leu Thr Asp Val Gly Ile Pro Leu Leu Glu Arg Glu
165 170 175

Leu

<210> 4684
<211> 439
<212> PRT
<213> Homo sapiens

<400> 4684
Ala Arg Asp Glu Met Gly His Asn Phe Gly Met Phe His Asp Asp Tyr
1 5 10 15

Ser Cys Lys Cys Pro Ser Thr Ile Cys Val Met Asp Lys Ala Leu Ser
20 25 30

Phe Tyr Ile Pro Thr Asp Phe Ser Ser Cys Ser Arg Leu Ser Tyr Asp
35 40 45

Lys Phe Phe Glu Asp Lys Leu Ser Asn Cys Leu Phe Asn Ala Pro Leu
50 55 60

Pro Thr Asp Ile Ile Ser Thr Pro Ile Cys Gly Asn Gln Leu Val Glu
65 70 75 80

Met Gly Glu Asp Cys Asp Cys Gly Thr Ser Glu Glu Cys Thr Asn Ile
85 90 95

Cys Cys Asp Ala Lys Thr Cys Lys Ile Lys Ala Thr Phe Gln Cys Ala
100 105 110

Leu Gly Glu Cys Cys Glu Lys Cys Gln Phe Lys Lys Ala Gly Met Val
115 120 125

Cys Arg Pro Ala Lys Asp Glu Cys Asp Leu Pro Glu Met Cys Asn Gly
130 135 140

Lys Ser Gly Asn Cys Pro Asp Asp Arg Phe Gln Val Asn Gly Phe Pro
145 150 155 160

Cys His His Gly Lys Gly His Cys Leu Met Gly Thr Cys Pro Thr Leu
165 170 175

Gln Glu Gln Cys Thr Glu Leu Trp Gly Pro Gly Thr Glu Val Ala Asp

180 185 190

Lys Ser Cys Tyr Asn Arg Asn Glu Gly Gly Ser Lys Tyr Gly Tyr Cys
195 200 205

Arg Arg Val Asp Asp Thr Leu Ile Pro Cys Lys Ala Asn Asp Thr Met
210 215 220

Cys Gly Lys Leu Phe Cys Gln Gly Gly Ser Asp Asn Leu Pro Trp Lys
225 230 235 240

Gly Arg Ile Val Thr Phe Leu Thr Cys Lys Thr Phe Asp Pro Glu Asp
245 250 255

Thr Ser Gln Glu Ile Gly Met Val Ala Asn Gly Thr Lys Cys Gly Asp
260 265 270

Asn Lys Val Cys Ile Asn Ala Glu Cys Val Asp Ile Glu Lys Ala Tyr
275 280 285

Lys Ser Thr Asn Cys Ser Ser Lys Cys Lys Gly His Ala Val Cys Asp
290 295 300

His Glu Leu Gln Cys Gln Cys Glu Glu Gly Trp Ile Pro Pro Asp Cys
305 310 315 320

Asp Asp Ser Ser Val Val Phe His Phe Ser Ile Val Val Gly Val Leu
325 330 335

Phe Pro Met Ala Val Ile Phe Val Val Val Ala Met Val Ile Arg His
340 345 350

Gln Ser Ser Arg Glu Lys Gln Lys Lys Asp Gln Arg Pro Leu Ser Thr
355 360 365

Thr Gly Thr Arg Pro His Lys Gln Lys Arg Lys Pro Gln Met Val Lys
370 375 380

Ala Val Gln Pro Gln Glu Met Ser Gln Met Lys Pro His Val Tyr Asp
385 390 395 400

Leu Pro Val Glu Gly Asn Glu Pro Pro Ala Ser Phe His Lys Asp Thr
405 410 415

Asn Ala Leu Pro Pro Thr Val Phe Lys Asp Asn Pro Met Ser Thr Pro
420 425 430

Lys Asp Ser Asn Pro Lys Ala
435

<210> 4685
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4685
Ala Gly Xaa Pro Ala Gly Xaa Gly Pro Glu Phe Pro Gly Arg Pro Thr
1 5 10 15

Arg Pro Asp Asp Cys Asn Ser Pro Cys Tyr Arg Arg Glu Ile Ile Gly
20 25 30

Ser Cys Leu Leu Thr Leu Cys Val Ala Leu Trp Ser Trp Ile Phe Leu
35 40 45

Arg Phe Lys Lys Asn His Ser Phe Gly Thr Phe Asn
50 55 60

<210> 4686
<211> 48
<212> PRT
<213> Homo sapiens

<400> 4686
Gly Val Val Tyr Ser Tyr Phe Phe Phe Leu Leu Val Ile Leu Thr Asn
1 5 10 15

Met Ile Pro Leu Leu Glu Ser Leu Ser Leu Pro His Pro Gln Lys Cys
20 25 30

Leu Leu Phe Met Thr Val Thr Asn Tyr Ser Gly Gln Ile Ala Ser Phe
35 40 45

<210> 4687
<211> 351
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4687

```
Gly Gly Ser Gly Glu Phe Trp Arg Lys Arg Arg Val Leu Leu Glu Leu
  1               5                  10                  15

Tyr Arg Pro Cys Phe Ser Gly Pro Arg Lys Val Ala Ser Xaa Ser Ala
             20                  25                  30

Ala Ala Ser Thr Leu Ser Glu Pro Pro Arg Arg Thr Gln Glu Ser Arg
         35                  40                  45

Thr Arg Thr Arg Ala Leu Gly Leu Pro Thr Leu Pro Met Glu Lys Leu
     50                  55                  60

Ala Ala Ser Thr Glu Pro Gln Gly Pro Arg Pro Val Leu Gly Arg Glu
 65                  70                  75                  80

Ser Val Gln Val Pro Asp Asp Gln Asp Phe Arg Ser Phe Arg Ser Glu
                 85                  90                  95

Cys Glu Ala Glu Val Gly Trp Asn Leu Thr Tyr Ser Arg Ala Gly Val
            100                 105                 110

Ser Val Trp Val Gln Ala Val Glu Met Asp Arg Thr Leu His Lys Ile
        115                 120                 125

Lys Cys Arg Met Glu Cys Cys Asp Val Pro Ala Glu Thr Leu Tyr Asp
    130                 135                 140

Val Leu His Asp Ile Glu Tyr Arg Lys Lys Trp Asp Ser Asn Val Ile
145                 150                 155                 160

Glu Thr Phe Asp Ile Ala Arg Leu Thr Val Asn Ala Asp Val Gly Tyr
                165                 170                 175

Tyr Ser Trp Arg Cys Pro Lys Pro Leu Lys Asn Arg Asp Val Ile Thr
            180                 185                 190

Leu Arg Ser Trp Leu Pro Met Gly Ala Asp Tyr Ile Ile Met Asn Tyr
        195                 200                 205

Ser Val Lys His Pro Lys Tyr Pro Pro Arg Lys Asp Leu Val Arg Ala
```

```
    210                 215                 220

Val Ser Ile Gln Thr Gly Tyr Leu Ile Gln Ser Thr Gly Pro Lys Ser
225                 230                 235                 240

Cys Val Ile Thr Tyr Leu Ala Gln Val Asp Pro Lys Gly Ser Leu Pro
                245                 250                 255

Lys Trp Val Val Asn Lys Ser Ser Gln Phe Leu Ala Pro Lys Ala Met
            260                 265                 270

Lys Lys Met Tyr Lys Ala Cys Leu Lys Tyr Pro Glu Trp Lys Gln Lys
        275                 280                 285

His Leu Pro His Phe Lys Pro Trp Leu His Pro Glu Gln Ser Pro Leu
    290                 295                 300

Pro Ser Leu Ala Leu Ser Glu Leu Ser Val Gln His Ala Asp Ser Leu
305                 310                 315                 320

Glu Asn Ile Asp Glu Ser Ala Val Ala Glu Ser Arg Glu Glu Arg Met
                325                 330                 335

Gly Gly Ala Gly Gly Glu Gly Ser Asp Asp Asp Thr Ser Leu Thr
            340                 345                 350
```

<210> 4688
<211> 54
<212> PRT
<213> Homo sapiens

```
<400> 4688
Met Gly Val Tyr Asn Phe Tyr Val Ser Cys Phe Gln Gln Leu Cys Leu
  1               5                  10                  15

Gly Trp Ser Leu Ala Gly Gly Asp Arg Ile Ser Glu Trp His Ile Ile
             20                  25                  30

Ser Ile Leu His Met Ser Lys Leu Arg His Arg Glu Leu Asp Asn Leu
         35                  40                  45

Pro Arg Leu His Arg Leu
     50
```

<210> 4689
<211> 65
<212> PRT

<213> Homo sapiens

<400> 4689
Glu Gln Tyr Leu Asp Leu Met Leu Ser Glu Cys Pro Ala Leu Leu Pro
1 5 10 15

Ser Ala Trp Met Ser Glu Cys Phe Tyr Ala Arg Gly Asp Ser Ser Gln
20 25 30

Leu Arg Val Cys Phe Phe Gln Arg Ser Ser Gln Val Ser Phe Ala Lys
35 40 45

Leu Gly His Leu Ala Gln Val Phe Leu Glu Ser Gly Val His Val Thr
50 55 60

Asp
65

<210> 4690
<211> 31
<212> PRT
<213> Homo sapiens

<400> 4690
Leu Leu Leu Ile Ser Tyr Tyr Cys Lys Ala Leu Ser Pro Ala Ser Gly
1 5 10 15

Ser Leu Cys Val Ile Glu Leu Lys Ile Ile Ala Val Tyr Asn Thr
20 25 30

<210> 4691
<211> 127
<212> PRT
<213> Homo sapiens

<400> 4691
Lys Val Gln Thr Leu Phe Gly Thr Thr Arg Ser Phe His Leu Ala Lys
1 5 10 15

Thr Ala Asp Pro Gly Ala Arg Ala Gln Gly Ser Pro Gly Cys Gly Glu
20 25 30

Glu Trp Leu Trp His Leu Pro Ile Leu Trp Val Leu Gln Ala Leu Leu
35 40 45

Glu Val Phe Gly Leu Phe Gly Leu Trp Ser Phe Ser Pro Gly Thr Glu
50 55 60

BNSDOCID: <WO__0122920A2_I_>

```
Val Glu Met Gly Arg Arg Pro Gly Gln Cys Ser Trp Lys Leu Thr Leu
 65                  70                  75                  80

His Phe Ser Ala Pro Val Phe Gln Phe Lys Ser Ala Phe Ser Ser Ala
                 85                  90                  95

Glu Thr Thr Glu Leu Ser Gly Lys Cys Val Val Ala Leu Ala Thr Gly
            100                 105                 110

Glu Val Trp Gly Gln Leu Val Ile Arg Lys Gly Met Glu Asp Val
        115                 120                 125
```

<210> 4692
<211> 329
<212> PRT
<213> Homo sapiens

<400> 4692

```
Ser Tyr Val His Lys Ser Leu Ser Trp Lys Pro Leu Leu Ser Phe Ile
  1               5                  10                  15

Ser Pro Ser Ile Pro Ile Thr Phe Leu Arg Asn Val Thr Trp Val Met
            20                  25                  30

Val Asn Leu Cys Arg His Lys Asp Pro Pro Pro Pro Met Glu Thr Ile
        35                  40                  45

Gln Glu Ile Leu Pro Ala Leu Cys Val Leu Ile His His Thr Asp Val
    50                  55                  60

Asn Ile Leu Val Asp Thr Val Trp Ala Leu Ser Tyr Leu Thr Asp Ala
65                  70                  75                  80

Gly Asn Glu Gln Ile Gln Met Val Ile Asp Ser Gly Ile Val Pro His
                85                  90                  95

Leu Val Pro Leu Leu Ser His Gln Glu Val Lys Val Gln Thr Ala Ala
            100                 105                 110

Leu Arg Ala Val Gly Asn Ile Val Thr Gly Thr Asp Glu Gln Thr Gln
        115                 120                 125

Val Val Leu Asn Cys Asp Ala Leu Ser His Phe Pro Ala Leu Leu Thr
    130                 135                 140

His Pro Lys Glu Lys Ile Asn Lys Glu Ala Val Trp Phe Leu Ser Asn
145                 150                 155                 160
```

BNSDOCID: <WO 0122920A2 I >

Ile Thr Ala Gly Asn Gln Gln Gln Val Gln Ala Val Ile Asp Ala Asn
165 170 175

Leu Val Pro Met Ile Ile His Leu Leu Asp Lys Gly Asp Phe Gly Thr
180 185 190

Gln Lys Glu Ala Ala Trp Ala Ile Ser Asn Leu Thr Ile Ser Gly Arg
195 200 205

Lys Asp Gln Val Ala Tyr Leu Ile Gln Gln Asn Val Ile Pro Pro Phe
210 215 220

Cys Asn Leu Leu Thr Val Lys Asp Ala Gln Val Val Gln Val Val Leu
225 230 235 240

Asp Gly Leu Ser Asn Ile Leu Lys Met Ala Glu Asp Glu Ala Glu Thr
245 250 255

Ile Gly Asn Leu Ile Glu Glu Cys Gly Gly Leu Glu Lys Ile Glu Gln
260 265 270

Leu Gln Asn His Glu Asn Glu Asp Ile Tyr Lys Leu Ala Tyr Glu Ile
275 280 285

Ile Asp Gln Phe Phe Ser Ser Asp Asp Ile Asp Glu Asp Pro Ser Leu
290 295 300

Val Pro Glu Ala Ile Gln Gly Gly Thr Phe Gly Phe Asn Ser Ser Ala
305 310 315 320

Asn Val Pro Thr Glu Gly Phe Gln Phe
325

<210> 4693
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4693
Met Leu Ser Val Ser Leu Val Phe Ile Ser Ala Ser Ser Ser Leu Leu
1 5 10 15

Gly Tyr Ile Val Val Leu Phe Pro Val Xaa His Leu Ser Leu Val Phe
20 25 30

```
His Tyr Gly Lys Phe Ile Lys Lys Leu Ala Pro Leu Leu Ser Ser Ser
         35                  40                  45

Asn Ala His Lys Glu Met Glu Asp Ile
     50                  55
```

<210> 4694
<211> 69
<212> PRT
<213> Homo sapiens

<400> 4694

```
Gly Lys Gly Ser Lys Pro Leu Lys Met Cys Phe Val Ile Arg Ser Ala
  1               5                  10                  15

Leu Gln Thr Lys Tyr Ala Arg Cys Pro Phe Glu Ala Ser Glu Leu Ser
             20                  25                  30

Leu Gln Gly Phe Lys Ala Thr Phe Gln Gln Glu Lys Ala Leu Arg Ala
         35                  40                  45

Arg Arg Phe Ile Lys Glu Gly Lys Ala Leu Val Ser Leu Leu Arg Lys
     50                  55                  60

Val Gly Phe Leu Ala
 65
```

<210> 4695
<211> 461
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (312)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (406)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4695

```
Gly Ser Pro Arg Leu Leu Gly Ala Ala Ala Leu Ala Leu Gly Gly Ala
  1               5                  10                  15
```

```
Leu Gly Leu Tyr His Thr Ala Arg Trp His Leu Arg Ala Gln Asp Leu
            20                  25                  30

His Ala Glu Arg Ser Ala Ala Gln Leu Ser Leu Ser Ser Arg Leu Gln
        35                  40                  45

Leu Thr Leu Tyr Gln Tyr Lys Thr Cys Pro Phe Cys Ser Lys Val Arg
    50                  55                  60

Ala Phe Leu Asp Phe His Ala Leu Pro Tyr Gln Val Val Glu Val Asn
65                  70                  75                  80

Pro Val Arg Arg Ala Glu Ile Lys Phe Ser Ser Tyr Arg Lys Val Pro
                85                  90                  95

Ile Leu Val Ala Gln Glu Gly Glu Ser Ser Gln Gln Leu Asn Asp Ser
            100                 105                 110

Ser Val Ile Ile Ser Ala Leu Lys Thr Tyr Leu Val Ser Gly Gln Pro
        115                 120                 125

Leu Glu Glu Ile Ile Thr Tyr Tyr Pro Ala Met Lys Ala Val Asn Glu
    130                 135                 140

Gln Gly Lys Glu Val Thr Glu Phe Gly Asn Lys Tyr Trp Leu Met Leu
145                 150                 155                 160

Asn Glu Lys Glu Ala Gln Gln Val Tyr Gly Gly Lys Glu Ala Arg Thr
                165                 170                 175

Glu Glu Met Lys Trp Arg Gln Trp Ala Asp Asp Trp Leu Val His Leu
            180                 185                 190

Ile Ser Pro Asn Val Tyr Arg Thr Pro Thr Glu Ala Leu Ala Ser Phe
        195                 200                 205

Asp Tyr Ile Val Arg Glu Gly Lys Phe Gly Ala Val Glu Gly Ala Val
    210                 215                 220

Ala Lys Tyr Met Gly Ala Ala Ala Met Tyr Leu Ile Ser Lys Arg Leu
225                 230                 235                 240

Lys Ser Arg His Arg Leu Gln Asp Asn Val Arg Glu Asp Leu Tyr Glu
                245                 250                 255

Ala Ala Asp Lys Trp Val Ala Ala Val Gly Lys Asp Arg Pro Phe Met
            260                 265                 270

Gly Gly Gln Lys Pro Asn Leu Ala Asp Leu Ala Val Tyr Gly Val Leu
        275                 280                 285
```

```
Arg Val Met Glu Gly Leu Asp Ala Phe Asp Asp Leu Met Gln His Thr
    290                 295                 300

His Ile Gln Pro Trp Tyr Leu Xaa Val Glu Arg Ala Ile Thr Glu Ala
305                 310                 315                 320

Pro Gln Arg Thr Glu Cys Pro Pro Arg Arg Ala Glu Gly Arg Gln Ala
                325                 330                 335

Glu Asp Ala Ser Cys Pro Arg Pro Gly Pro Leu Gly Pro Ala Pro Gly
            340                 345                 350

Asp Thr Gly Trp Gly Gln Asp His Ser Ala Pro Cys Pro Arg Thr Pro
        355                 360                 365

Thr Ser Pro Leu Ala Ser Asn Thr Gly His Leu Leu Gly Leu Arg Asp
    370                 375                 380

Val Arg Asp Glu Phe Gln Pro Cys His Cys Pro Gly Ala Thr Pro Pro
385                 390                 395                 400

Cys Pro Cys Leu Pro Xaa Cys Arg Pro Ser Ser Trp Thr Leu Ser Gly
                405                 410                 415

Cys Pro Met Ala Thr Ser Cys Gly Trp Gly Pro Ser Thr Gly Gln Gln
            420                 425                 430

Asp Gly Leu Phe Ser Val Glu Ser His Pro Trp Val Pro Leu Val Pro
        435                 440                 445

Thr Leu Pro Lys Pro Pro Gly Thr Gly Thr Cys Leu Gln
    450                 455                 460
```

<210> 4696
<211> 274
<212> PRT
<213> Homo sapiens

<400> 4696

```
Thr Ser Arg Gln Asn Lys Thr Glu Asn Leu Leu Glu Ser Arg Met Met
  1               5                  10                  15

Asp Pro Cys Ser Val Gly Val Gln Leu Arg Thr Thr Asn Glu Cys His
            20                  25                  30

Lys Thr Tyr Tyr Thr Arg His Thr Gly Phe Lys Thr Leu Gln Glu Leu
        35                  40                  45

Ser Ser Asn Asp Met Leu Leu Leu Gln Leu Arg Thr Gly Met Thr Leu
```

BNSDOCID: <WO_ 0122920A2 I_ >

```
     50                  55                  60

Ser Gly Asn Asn Thr Ile Cys Phe His His Val Lys Ile Tyr Ile Asp
 65                  70                  75                  80

Arg Phe Glu Asp Leu Gln Lys Ser Cys Cys Asp Pro Phe Asn Ile His
                 85                  90                  95

Lys Lys Leu Ala Lys Lys Asn Leu His Val Ile Asp Leu Asp Asp Ala
            100                 105                 110

Thr Phe Leu Ser Ala Lys Phe Gly Arg Gln Leu Val Pro Gly Trp Lys
        115                 120                 125

Leu Cys Pro Lys Cys Thr Gln Ile Ile Asn Gly Ser Val Asp Val Asp
    130                 135                 140

Thr Glu Asp Arg Gln Lys Arg Lys Pro Glu Ser Asp Gly Arg Thr Ala
145                 150                 155                 160

Lys Ala Leu Arg Ser Leu Gln Phe Thr Asn Pro Gly Arg Gln Thr Glu
                165                 170                 175

Phe Ala Pro Glu Thr Gly Lys Arg Glu Lys Arg Arg Leu Thr Lys Asn
            180                 185                 190

Ala Thr Ala Gly Ser Asp Arg Gln Val Ile Pro Ala Lys Ser Lys Val
        195                 200                 205

Tyr Asp Ser Gln Gly Leu Leu Ile Phe Ser Gly Met Asp Leu Cys Asp
    210                 215                 220

Cys Leu Asp Glu Asp Cys Leu Gly Cys Phe Tyr Ala Cys Pro Ala Cys
225                 230                 235                 240

Gly Ser Thr Lys Cys Gly Ala Glu Cys Arg Cys Asp Arg Lys Trp Leu
                245                 250                 255

Tyr Glu Gln Ile Glu Ile Glu Gly Gly Glu Ile Ile His Asn Lys His
            260                 265                 270

Ala Gly
```

<210> 4697
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4697

```
Leu Gly Asp Glu Thr Gly Ser Ser Met Thr His Leu Ile Glu Tyr Asp
 1               5                  10                  15

Arg His Xaa Lys Ser Arg Leu Xaa Pro Leu Gln His Leu Tyr Leu Leu
            20                  25                  30

Pro Ala Asp His Ser Arg Asn Ala Ala Glu Arg Phe Pro Gly Ala Trp
        35                  40                  45

Phe Gln Xaa Pro Thr Val Asp Ser Glu Ala Ser Ala Phe Ala Gly Gly
    50                  55                  60

Leu Pro Val Ile Phe Trp Ser Trp Ala Gly Leu Val Gly Phe Pro Phe
65                  70                  75                  80

Val Trp Pro Val Ser Xaa Cys Leu Asn Pro Leu Ser Phe Ile Lys Ser
                85                  90                  95

Lys Thr Lys Glu Lys Lys Lys Lys Lys Lys Lys Lys Phe Gly Gly Gly
            100                 105                 110

Xaa Arg Tyr Pro Ile Gly Pro Leu Gly Gly
        115                 120
```

<210> 4698
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4698
Asn Ser Gly Ser His Asn Ile Val Ala Ser Arg Ser Xaa Xaa Ile Phe
1 5 10 15

Asp Gln Asp Asp Xaa Asn Gly Leu Thr Trp Val Phe Ile Val Tyr Gln
20 25 30

Ile Leu His Thr Lys Glu Trp Lys Tyr Ser Phe Thr Lys Phe Leu Arg
35 40 45

Lys Ile Phe Leu Pro Ile Tyr His Asn Tyr Arg Met Asp Ile Cys Phe
50 55 60

<210> 4699
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2 I >

<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4699
Gly Ala Arg Leu Gly Ala Leu Gln Ala Ala Pro Gln Pro Gly Thr Pro
1 5 10 15

Thr Pro Leu Arg Ser Pro Gln Ala Ser Gly Pro His Pro Ser Glu Ala
20 25 30

Gln Gly Ser Pro Val His Ala Gly Phe Ser Pro Gly Pro Met Ser Phe
35 40 45

Leu Ala Gly Leu Gly Leu Ala Val Gly Leu Ala Leu Leu Leu Tyr Cys
50 55 60

Tyr Pro Pro Asp Pro Lys Gly Leu Pro Gly Thr Arg Arg Val Xaa Gly
65 70 75 80

Phe Xaa Xaa Val Ile Ile Asp Arg His Val Ser Arg Tyr Leu Leu Ala
85 90 95

Phe Leu Ala Asp Asp Leu Gly Gly Leu
100 105

<210> 4700
<211> 232
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (149)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4700
Gly Ala Ile Gly Thr Ser Ser Pro Ala Leu Leu Glu Cys Gln Glu Gly
1 5 10 15

```
Val Gly Pro Ala Arg Pro Ser Leu Leu Val Pro Pro Pro Pro Arg Xaa
            20                  25                  30

Arg Arg Leu Asp Leu Ala Arg Thr Leu Pro Ala Glu Arg Thr Asp Ser
        35                  40                  45

Gln Ser Leu Tyr Ile Val Tyr Ile Ala Leu Pro Gly Arg Thr Pro Arg
    50                  55                  60

Pro Ala Leu Ala Phe Ala Phe Leu Met Pro Ala Cys Cys Asn Arg Pro
65                  70                  75                  80

Ser Pro Arg Pro Ser Pro Ala His Leu Thr Ala Ser Ser Val Leu Arg
                85                  90                  95

Arg Gln Arg His Val Leu Ala Ala Ser Ala Ala Ser Pro Cys Gln Trp
            100                 105                 110

Ser Gly Leu Arg Val Ala His Ser Leu Arg Gln Val Val Ser Leu Cys
        115                 120                 125

Pro Arg Cys Thr Gly Ser Cys Pro Phe Ser Gly Ala Cys Ala Ser Ser
    130                 135                 140

Leu Pro Ser Pro Xaa Ser Cys Pro His Ser His Ser Gly Ser Trp Gly
145                 150                 155                 160

Thr Trp Ser Gln Gly Arg Pro Cys Ser Ser Thr Glu Val Ala Gly Leu
                165                 170                 175

Ala Leu Trp Pro Thr Asp Phe Leu Ser Cys Leu Leu Asp Ala Ser Glu
            180                 185                 190

Leu Gln Thr Gln Gly Ser His Gly Phe Ser Phe Thr Pro Thr Gly Phe
        195                 200                 205

Ser Ser Asn Arg Lys Val Gly Val Gly Ser Cys Arg Asp Gly Ala Gly
    210                 215                 220

Arg Gly Ala Met Gly Gly Leu Phe
225                 230
```

<210> 4701
<211> 665
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4701

```
Asp Val His His Arg Ala Glu Cys Arg Ala Asp Arg His Arg Arg Glu
  1               5                  10                  15

Xaa Leu Tyr Asp Met Phe Val Asn Phe Pro Asp Gln Pro Val Val Trp
             20                  25                  30

Arg Glu Ile Ser Ile Ile Thr Ser Ala Leu Arg Asn Asp Ser Gln Asp
         35                  40                  45

Lys Gln Thr Gln Phe Leu Arg Ser Leu Phe Glu Thr Leu Pro Gly Arg
     50                  55                  60

Val Gln Cys Glu Met Leu Leu Lys Val Thr Glu Gln Cys Phe Asn Thr
 65                  70                  75                  80

Leu Glu Arg Ser Glu Met Leu Leu Leu Leu Leu Arg Arg Phe Pro Glu
                 85                  90                  95

Thr Val Val Gln His Gly Val Gly Leu Gly Xaa Ala Leu Leu Xaa Ala
            100                 105                 110

Glu Thr Ile Xaa Glu Gln Glu Ser Pro Val Asn Cys Phe Arg Lys Leu
        115                 120                 125

Phe Val Cys Asp Val Leu Pro Leu Ile Ile Asn Asn His Asp Val Arg
    130                 135                 140

Leu Pro Ala Asn Leu Leu Tyr Lys Tyr Leu Asn Lys Ala Ala Glu Phe
145                 150                 155                 160

Tyr Ile Asn Tyr Val Thr Arg Ser Thr Gln Ile Glu Asn Gln His Gln
                165                 170                 175
```

BNSDOCID: <WO_ 0122920A2 I >>

```
Gly Ala Gln Asp Thr Ser Asp Leu Met Ser Pro Ser Lys Arg Ser Ser
            180                 185                 190

Gln Lys Tyr Ile Ile Glu Gly Leu Thr Glu Lys Ser Ser Gln Ile Val
        195                 200                 205

Asp Pro Trp Glu Arg Leu Phe Lys Ile Leu Asn Val Val Gly Met Arg
    210                 215                 220

Cys Glu Trp Gln Met Asp Lys Gly Arg Arg Ser Tyr Gly Asp Ile Leu
225                 230                 235                 240

His Arg Met Lys Asp Leu Cys Arg Tyr Met Asn Asn Phe Asp Ser Glu
                245                 250                 255

Ala His Ala Lys Tyr Lys Asn Gln Val Val Tyr Ser Thr Met Leu Val
            260                 265                 270

Phe Phe Lys Asn Ala Phe Gln Tyr Val Asn Ser Ile Gln Pro Ser Leu
        275                 280                 285

Phe Gln Gly Pro Asn Ala Pro Ser Gln Val Pro Leu Val Leu Leu Glu
    290                 295                 300

Asp Val Ser Asn Val Tyr Gly Asp Val Glu Ile Asp Arg Asn Lys His
305                 310                 315                 320

Ile His Lys Lys Arg Lys Leu Ala Glu Gly Arg Glu Lys Thr Met Ser
                325                 330                 335

Ser Asp Asp Glu Asp Cys Ser Ala Lys Gly Arg Asn Arg His Ile Val
            340                 345                 350

Val Asn Lys Ala Glu Leu Ala Asn Ser Thr Glu Val Leu Glu Ser Phe
        355                 360                 365

Lys Leu Ala Arg Glu Ser Trp Glu Leu Leu Tyr Ser Leu Glu Phe Leu
    370                 375                 380

Asp Lys Glu Phe Thr Arg Ile Cys Leu Ala Trp Lys Thr Asp Thr Trp
385                 390                 395                 400

Leu Trp Leu Arg Ile Phe Leu Thr Asp Met Ile Ile Tyr Gln Gly Gln
                405                 410                 415

Tyr Lys Lys Ala Ile Ala Ser Leu His His Leu Ala Ala Leu Gln Gly
            420                 425                 430

Ser Ile Ser Gln Pro Gln Ile Thr Gly Gln Gly Thr Leu Glu His Gln
        435                 440                 445
```

BNSDOCID: <WO___0122920A2_I_>

```
Arg Ala Leu Ile Gln Leu Ala Thr Cys His Phe Ala Leu Gly Glu Tyr
    450                 455                 460

Arg Met Thr Cys Glu Lys Val Leu Asp Leu Met Cys Tyr Met Val Leu
465                 470                 475                 480

Pro Ile Gln Asp Gly Gly Lys Ser Gln Glu Glu Pro Ser Lys Val Lys
                485                 490                 495

Pro Lys Phe Arg Lys Gly Ser Asp Leu Lys Leu Leu Pro Cys Thr Ser
            500                 505                 510

Lys Ala Ile Met Pro Tyr Cys Leu His Leu Met Leu Ala Cys Phe Lys
        515                 520                 525

Leu Arg Ala Phe Thr Asp Asn Arg Asp Asp Met Ala Leu Gly His Val
    530                 535                 540

Ile Val Leu Leu Gln Gln Glu Trp Pro Arg Gly Glu Asn Leu Phe Leu
545                 550                 555                 560

Lys Ala Val Asn Lys Ile Cys Gln Gln Gly Asn Phe Gln Tyr Glu Asn
                565                 570                 575

Phe Phe Asn Tyr Val Thr Asn Ile Asp Met Leu Glu Glu Phe Ala Tyr
            580                 585                 590

Leu Arg Thr Gln Glu Gly Gly Lys Ile His Leu Glu Leu Leu Pro Asn
        595                 600                 605

Gln Gly Met Leu Ile Lys His His Thr Val Thr Arg Gly Ile Thr Lys
    610                 615                 620

Gly Val Lys Glu Asp Phe Arg Leu Ala Met Glu Arg Gln Val Ser Arg
625                 630                 635                 640

Cys Gly Glu Asn Leu Met Val Val Leu His Arg Phe Cys Ile Asn Glu
                645                 650                 655

Lys Ile Leu Leu Leu Gln Thr Leu Thr
            660                 665
```

<210> 4702
<211> 85
<212> PRT
<213> Homo sapiens

<400> 4702

BNSDOCID: <WO___0122920A2_I_>

```
Val Lys Ser Glu Asp Leu Asn Glu Val Thr Pro Lys Leu Ser Gln Ser
  1               5                  10                  15

His Val Phe Leu Thr Leu Gly Ile Ser Asn Ser Ile Tyr Thr Ala Phe
             20                  25                  30

Phe Lys Cys Asn Phe Gln Arg Cys Leu Leu Pro His Pro Leu Leu Leu
         35                  40                  45

Ser Ile Ile Ile Asp Phe Trp Arg Leu Thr Lys Gln Ala Ile Pro Lys
     50                  55                  60

Phe Ser Pro Arg Lys Val Ser Trp Ile Lys Trp Phe Leu Arg Thr Leu
 65                  70                  75                  80

Arg Val Tyr Ile Leu
                85
```

<210> 4703
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4703

```
Cys Asn Leu Tyr Ser Trp Arg Asn Lys Ile Phe Ile Trp Asp Tyr Phe
  1               5                  10                  15

Leu Gln Pro Phe Asn Lys His Leu Leu Tyr Ala Thr Lys Arg Gln Ala
             20                  25                  30

Arg Arg Trp Ala Leu Gln Thr Gln Trp Leu Val Ala Val Trp Thr Trp
         35                  40                  45

Ser Leu Leu Ala Trp Asn Pro Ser Leu Pro Asn Met Gln Ser Pro His
     50                  55                  60

Leu Lys Ala Ser Leu Cys Pro Phe Ser Asp Ala Leu Phe Arg Asn Ala
 65                  70                  75                  80

Xaa Pro Leu Tyr Ser Glu Ile Arg Arg His Lys Thr Ser Ser Lys Ser
                85                  90                  95

Leu Leu Trp
```

BNSDOCID: <WO__ 0122920A2_I_ >

<210> 4704
<211> 215
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4704
Leu Gly Ala Val Gly Ala Xaa Leu Arg Gly Leu Arg Gly Cys Arg Gly
1 5 10 15

Ala Arg Gly Ala Gly Gly Lys Ala His Leu Gly Trp Pro Trp Arg Ala
20 25 30

Gly Gly Asp Met Glu Asp Gly Val Leu Lys Glu Gly Phe Leu Val Lys
35 40 45

Arg Gly His Ile Val His Asn Trp Lys Ala Arg Trp Phe Ile Leu Arg
50 55 60

Gln Asn Thr Leu Val Tyr Tyr Lys Leu Glu Gly Gly Arg Arg Val Thr
65 70 75 80

Pro Pro Lys Gly Arg Ile Leu Leu Asp Gly Cys Thr Ile Thr Cys Pro
85 90 95

Cys Leu Glu Tyr Glu Asn Arg Pro Leu Leu Ile Lys Leu Lys Thr Gln
100 105 110

Thr Ser Thr Glu Tyr Phe Leu Glu Ala Cys Ser Arg Glu Glu Arg Asp
115 120 125

Ala Trp Ala Phe Glu Ile Thr Gly Ala Ile His Ala Gly Gln Pro Gly
130 135 140

Lys Val Gln Gln Leu His Ser Leu Arg Asn Ser Phe Lys Leu Pro Pro
145 150 155 160

His Ile Ser Leu His Arg Ile Val Asp Lys Met His Asp Ser Asn Thr
165 170 175

Gly Ile Arg Ser Ser Pro Asn Met Glu Gln Gly Ser Thr Tyr Lys Lys
180 185 190

Thr Phe Leu Gly Ser Ser Trp Trp Thr Gly Ser Ser Pro Thr Ala Ser

195 200 205

Arg Ala Ala Val Trp Arg Arg
210 215

<210> 4705
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4705
Asp Leu Pro Pro Leu Leu Val Phe Xaa Ala Val Lys Thr Leu Ser Thr
1 5 10 15

Val Thr Tyr Phe Leu Ser Gln Ala Ala Ser His Leu Val Pro Cys Ala
20 25 30

Asp Ser Ser Thr Val Ala Arg Ile Gln Tyr Glu Ser Arg Gly Asp Arg
35 40 45

Arg Met Val Gly Ala Ala Gly Phe Ser Thr Tyr Pro Ser His Gln Gly
50 55 60

Pro Asp Ala Leu Xaa Pro Ala Pro Ser Ala His Pro Cys Ala Gln Leu
65 70 75 80

Glu Gly Cys Met Ala Arg Ser Pro Leu Phe Arg Trp Val Glu Thr Leu
85 90 95

Met Ile Pro Ala Pro Pro Xaa Arg Ala Pro Ala Thr Glu Gln Ala Leu
100 105 110

<210> 4706
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4706
Gln Ser Arg His Gln Leu Ala Trp Leu Leu Gly Met Ala Ile Gly Gly
1 5 10 15

Ser Xaa Cys Gly Pro Leu Leu Ala Asn Cys Met Gln Pro Pro Thr Leu
20 25 30

Arg Met Phe Ala Trp Ala Glu Asn Ala Glu Thr Leu Trp Pro Asp Leu
35 40 45

Thr Val Ser Thr Trp Gln Trp Ala Leu Trp Thr Gln His Phe Ser
50 55 60

<210> 4707
<211> 578
<212> PRT
<213> Homo sapiens

<400> 4707
Pro Thr Ala Ser Ala Gly Ala Arg Trp Ser His Lys Thr Ala Ser Val
1 5 10 15

Leu Gln Ser Val Ser Leu Glu Val Thr Arg Ala Thr Ala Gly Met Val
20 25 30

Leu Ala Glu Leu Tyr Val Ser Asp Arg Glu Gly Ser Asp Ala Thr Gly
35 40 45

Asp Gly Thr Lys Glu Lys Pro Phe Lys Thr Gly Leu Lys Ala Leu Met
50 55 60

Thr Val Gly Lys Glu Pro Phe Pro Thr Ile Tyr Val Asp Ser Gln Lys
65 70 75 80

Glu Asn Glu Arg Trp Asn Val Ile Ser Lys Ser Gln Leu Lys Asn Ile
85 90 95

Lys Lys Met Trp His Arg Glu Gln Met Lys Ser Glu Ser Arg Glu Lys
100 105 110

Lys Glu Ala Glu Asp Ser Leu Arg Arg Glu Lys Asn Leu Glu Glu Ala
115 120 125

Lys Lys Ile Thr Ile Lys Asn Asp Pro Ser Leu Pro Glu Pro Lys Cys
130 135 140

Val Lys Ile Gly Ala Leu Glu Gly Tyr Arg Gly Gln Arg Val Lys Val
145 150 155 160

Phe Gly Trp Val His Arg Leu Arg Arg Gln Gly Lys Asn Leu Met Phe
165 170 175

Leu Val Leu Arg Asp Gly Thr Gly Tyr Leu Gln Cys Val Leu Ala Asp
180 185 190

Glu Leu Cys Gln Cys Tyr Asn Gly Val Leu Leu Ser Thr Glu Ser Ser
195 200 205

Val Ala Val Tyr Gly Met Leu Asn Leu Thr Pro Lys Gly Lys Gln Ala
210 215 220

Pro Gly Gly His Glu Leu Ser Cys Asp Phe Trp Glu Leu Ile Gly Leu
225 230 235 240

Ala Pro Ala Gly Gly Ala Asp Asn Leu Ile Asn Glu Glu Ser Asp Val
245 250 255

Asp Val Gln Leu Asn Asn Arg His Met Met Ile Arg Gly Glu Asn Met
260 265 270

Ser Lys Ile Leu Lys Ala Arg Ser Met Val Thr Arg Cys Phe Arg Asp
275 280 285

His Phe Phe Asp Arg Gly Tyr Tyr Glu Val Thr Pro Pro Thr Leu Val
290 295 300

Gln Thr Gln Val Glu Gly Gly Ala Thr Leu Phe Lys Leu Asp Tyr Phe
305 310 315 320

Gly Glu Glu Ala Phe Leu Thr Gln Ser Ser Gln Leu Tyr Leu Glu Thr
325 330 335

Cys Leu Pro Ala Leu Gly Asp Val Phe Cys Ile Ala Gln Ser Tyr Arg
340 345 350

Ala Glu Gln Ser Arg Thr Arg Arg His Leu Ala Glu Tyr Thr His Val
355 360 365

```
Glu Ala Glu Cys Pro Phe Leu Thr Phe Asp Asp Leu Leu Asn Arg Leu
    370                 375                 380

Glu Asp Leu Val Cys Asp Val Val Asp Arg Ile Leu Lys Ser Pro Ala
385                 390                 395                 400

Gly Ser Ile Val His Glu Leu Asn Pro Asn Phe Gln Pro Pro Lys Arg
                405                 410                 415

Pro Phe Lys Arg Met Asn Tyr Ser Asp Ala Ile Val Trp Leu Lys Glu
            420                 425                 430

His Asp Val Lys Lys Glu Asp Gly Thr Phe Tyr Glu Phe Gly Glu Asp
        435                 440                 445

Ile Pro Glu Ala Pro Glu Arg Leu Met Thr Asp Thr Ile Asn Glu Pro
    450                 455                 460

Ile Leu Leu Cys Arg Phe Pro Val Glu Ile Lys Ser Phe Tyr Met Gln
465                 470                 475                 480

Arg Cys Pro Glu Asp Ser Arg Leu Thr Glu Ser Val Asp Val Leu Met
                485                 490                 495

Pro Asn Val Gly Glu Ile Val Gly Gly Ser Met Arg Ile Phe Asp Ser
            500                 505                 510

Glu Glu Ile Leu Ala Gly Tyr Lys Arg Glu Gly Ile Asp Pro Thr Pro
        515                 520                 525

Tyr Tyr Trp Tyr Thr Asp Gln Arg Lys Tyr Gly Thr Cys Pro His Gly
    530                 535                 540

Gly Tyr Gly Leu Gly Leu Glu Arg Phe Leu Thr Trp Ile Leu Asn Arg
545                 550                 555                 560

Tyr His Ile Arg Asp Val Cys Leu Tyr Pro Arg Phe Val Gln Arg Cys
                565                 570                 575

Thr Pro
```

<210> 4708
<211> 153
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO _ 0122920A2 I_ >

<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4708

```
Pro Leu Asn Gly Leu Leu Gly Gly Leu Asn Gly Ala Ala Ala Pro Asn
  1               5                  10                  15

Pro Ala Ser Leu Ser Gln Ala Gly Gly Ala Pro Thr Leu Gln Leu Pro
             20                  25                  30

Gly Cys Leu Asn Ser Leu Thr Glu Gln Gln Arg His Leu Leu Gln Gln
         35                  40                  45

Gln Glu Gln Gln Leu Gln Gln Leu Gln Gln Leu Leu Ala Ser Pro Gln
     50                  55                  60

Leu Thr Pro Glu His Gln Thr Val Val Tyr Gln Met Ile Gln Gln Ile
 65                  70                  75                  80

Gln Gln Lys Arg Glu Leu Gln Arg Leu Gln Met Ala Gly Gly Ser Gln
                85                  90                  95

Leu Pro Met Ala Ser Leu Leu Ala Xaa Xaa Ser Thr Pro Leu Leu Ser
            100                 105                 110

Ala Gly Thr Pro Gly Leu Leu Pro Thr Xaa Ser Ala Pro Pro Leu Leu
        115                 120                 125

Pro Ala Gly Ala Leu Xaa Ala Pro Ser Leu Gly Asn Asn Thr Ser Leu
    130                 135                 140

Met Ala Ala Ala Ala Ala Ala Gln Gln
145                 150
```

<210> 4709
<211> 77
<212> PRT
<213> Homo sapiens

<400> 4709
Thr Cys Tyr Ile Leu Pro Lys Thr Ala Pro Leu Glu Cys Arg Ala Pro
1 5 10 15

Leu Arg Ser Pro Ser Pro Leu Gly Arg Leu Gln Val Leu Pro Arg Ser
20 25 30

Pro Leu His Val His Thr His Asn Ser Gly Lys Glu Val Leu Gly Leu
35 40 45

Gln Val Gln Arg Ser Arg Ser Gly Thr Gly Pro Ala Cys Ser Gln Ala
50 55 60

Gly Ser Gly Ala Val Gln Gly Gly Asn Trp Cys Ile Phe
65 70 75

<210> 4710
<211> 172
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4710
Leu Glu Pro Leu Gly Leu Glu Ser Gly Arg Gly Leu Pro Ser Gln Pro

```
  1               5                  10                  15

Leu Ser Phe Leu Pro Arg Pro Gln Glu Leu Leu Gln Thr Gln Asp Phe
            20                  25                  30

Ser Lys Phe Gln Ala Leu Lys Pro Lys Leu Leu Asp Thr Val Asp Asp
        35                  40                  45

Met Leu Ala Asn Asp Ile Ala Arg Leu Met Val Met Val Arg Gln Glu
    50                  55                  60

Glu Ser Leu Met Pro Xaa Gln Val Val Lys Gly Gly Ala Phe Xaa Gly
65                  70                  75                  80

Thr Met Asn Gly Pro Phe Gly His Gly Tyr Gly Glu Gly Ala Gly Glu
                85                  90                  95

Gly Ile Asp Asp Val Glu Trp Val Val Gly Lys Asp Lys Pro Thr Tyr
            100                 105                 110

Asp Glu Ile Phe Tyr Thr Leu Ser Pro Val Asn Gly Lys Ile Thr Gly
        115                 120                 125

Ala Asn Ala Lys Xaa Glu Met Val Lys Val Gln Ala Ser Gln His Arg
    130                 135                 140

Ala Lys Gly Lys Ile Trp Lys Leu Ala Asp Trp Thr Arg Thr Gly Leu
145                 150                 155                 160

Leu Asp Asp Lys Glu Xaa Ala Leu Gly Asn His Leu
                165                 170
```

<210> 4711
<211> 193
<212> PRT
<213> Homo sapiens

<400> 4711

```
Leu Gln Ala Arg Leu Leu Ser Ala Lys Gly Glu Ile Trp Met Ala Ser
  1               5                  10                  15

Thr Ser Tyr Asp Tyr Cys Arg Val Pro Met Glu Asp Gly Asp Lys Arg
            20                  25                  30

Cys Lys Leu Leu Leu Gly Ile Gly Ile Leu Val Leu Leu Ile Ile Val
        35                  40                  45

Ile Leu Gly Val Pro Leu Ile Ile Phe Thr Ile Lys Ala Asn Ser Glu
    50                  55                  60
```

BNSDOCID: <WO__0122920A2 I_ >

```
Ala Cys Arg Asp Gly Leu Arg Ala Val Met Glu Cys Arg Asn Val Thr
 65                  70                  75                  80

His Leu Leu Gln Gln Glu Leu Thr Glu Ala Gln Lys Gly Phe Gln Asp
                 85                  90                  95

Val Glu Ala Gln Ala Ala Thr Cys Asn His Thr Val Met Ala Leu Met
            100                 105                 110

Ala Ser Leu Asp Ala Glu Lys Ala Gln Gly Gln Lys Lys Val Glu Glu
        115                 120                 125

Leu Glu Gly Glu Ile Thr Thr Leu Asn His Lys Leu Gln Asp Ala Ser
    130                 135                 140

Ala Glu Val Glu Arg Leu Arg Arg Glu Asn Gln Val Leu Ser Val Arg
145                 150                 155                 160

Ile Ala Asp Lys Lys Tyr Tyr Pro Ser Ser Gln Asp Ser Ser Ser Ala
                165                 170                 175

Ala Ala Pro Gln Leu Leu Ile Val Leu Leu Gly Leu Ser Ala Leu Leu
            180                 185                 190

Gln
```

<210> 4712
<211> 69
<212> PRT
<213> Homo sapiens

<400> 4712

```
Leu Glu Gly Ala Leu Thr Arg Thr Glu His Trp Ser Asn Asn Leu Ala
  1               5                  10                  15

Thr Phe Pro Trp Lys Arg Ser Ala Arg Ser Gln Ile Arg Arg Asp Ala
             20                  25                  30

Pro Ala Gly Lys Gly Gly Gly Cys Lys Thr Arg Ala Val Ser Leu Gly
         35                  40                  45

Arg Lys Ala Val Val Ser Pro Gln Gly Val Gln Leu Cys Gly Thr His
     50                  55                  60

Thr Tyr Arg Ser Lys
 65
```

BNSDOCID: <WO__0122920A2_I_>

<210> 4713
<211> 205
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4713
Val Lys Thr Pro Pro Arg Val Leu Thr Leu Ser Glu Arg Pro Leu Asp
1 5 10 15

Phe Leu Asp Leu Glu Arg Pro Pro Thr Thr Pro Gln Asn Glu Glu Ile
20 25 30

Arg Ala Val Gly Arg Leu Lys Arg Glu Arg Ser Met Ser Glu Asn Ala
35 40 45

Val Arg Gln Asn Gly Gln Leu Val Arg Asn Asp Ser Leu Val Thr Pro
50 55 60

Ser Pro Gln Gln Ala Arg Val Cys Pro Pro His Met Leu Pro Glu Asp
65 70 75 80

Gly Ala Asn Leu Ser Ser Ala Arg Gly Ile Leu Ser Leu Ile Gln Ser
85 90 95

Ser Thr Arg Arg Ala Tyr Gln Gln Ile Leu Asp Val Leu Asp Glu Asn
100 105 110

Arg Arg Pro Val Leu Arg Gly Gly Ser Xaa Ala Ala Thr Ser Asn Pro
115 120 125

His His Asp Asn Val Arg Tyr Gly Ile Ser Asn Ile Asp Thr Thr Ile
130 135 140

Glu Gly Thr Ser Asp Asp Leu Thr Val Val Asp Ala Ala Ser Leu Arg
145 150 155 160

Arg Gln Ile Ile Lys Leu Asn Arg Arg Leu Gln Leu Leu Glu Glu Glu
165 170 175

Asn Lys Glu Arg Ala Lys Arg Glu Met Val Met Tyr Ser Ile Thr Val
180 185 190

Ala Phe Trp Leu Leu Asn Ser Trp Leu Trp Phe Arg Arg
195 200 205

<210> 4714
<211> 408
<212> PRT
<213> Homo sapiens

<400> 4714
Ile Pro Leu Pro Phe Gly Lys Pro Gln Pro Gln Ser Arg Arg Arg Pro
1 5 10 15

Leu Arg Pro Pro Ser Ala Ser Ser Ala Ser Arg Pro Ala Arg Gly Ser
20 25 30

Leu Arg Arg Ala Met Ala Thr Ser Pro Gln Lys Ser Pro Ser Val Pro
35 40 45

Lys Ser Pro Thr Pro Lys Ser Pro Pro Ser Arg Lys Lys Asp Asp Ser
50 55 60

Phe Leu Gly Lys Leu Gly Gly Thr Leu Ala Arg Arg Lys Lys Ala Lys
65 70 75 80

Glu Val Ser Glu Leu Gln Glu Glu Gly Met Asn Ala Ile Asn Leu Pro
85 90 95

Leu Ser Pro Ile Pro Phe Glu Leu Asp Pro Glu Asp Thr Met Leu Glu
100 105 110

Glu Asn Glu Val Arg Thr Met Val Asp Pro Asn Ser Arg Ser Thr Pro
115 120 125

Lys Leu Gln Glu Leu Met Lys Val Leu Ile Asp Trp Ile Asn Asp Val
130 135 140

Leu Val Gly Glu Arg Ile Ile Val Lys Asp Leu Ala Glu Asp Leu Tyr
145 150 155 160

Asp Gly Gln Val Leu Gln Lys Leu Phe Glu Lys Leu Glu Ser Glu Lys
165 170 175

Leu Asn Val Ala Glu Val Thr Gln Ser Glu Ile Ala Gln Lys Gln Lys
180 185 190

Leu Gln Thr Val Leu Glu Lys Ile Asn Glu Thr Leu Lys Leu Pro Pro
195 200 205

Arg Ser Ile Lys Trp Asn Val Asp Ser Val His Ala Lys Ser Leu Val
210 215 220

```
Ala Ile Leu His Leu Leu Val Ala Leu Ser Gln Tyr Phe Arg Ala Pro
225                 230                 235                 240

Ile Arg Leu Pro Asp His Val Ser Ile Gln Val Val Val Val Gln Lys
                245                 250                 255

Arg Glu Gly Ile Leu Gln Ser Arg Gln Ile Gln Glu Glu Ile Thr Gly
            260                 265                 270

Asn Thr Glu Ala Leu Ser Gly Arg His Glu Arg Asp Ala Phe Asp Thr
        275                 280                 285

Leu Phe Asp His Ala Pro Asp Lys Leu Asn Val Val Lys Lys Thr Leu
    290                 295                 300

Ile Thr Phe Val Asn Lys His Leu Asn Lys Leu Asn Leu Glu Val Thr
305                 310                 315                 320

Glu Leu Glu Thr Gln Phe Ala Asp Gly Val Tyr Leu Val Leu Leu Met
                325                 330                 335

Gly Leu Leu Glu Gly Tyr Phe Val Pro Leu His Ser Phe Phe Leu Thr
            340                 345                 350

Pro Asp Ser Phe Glu Gln Lys Val Leu Asn Val Ser Phe Ala Phe Glu
        355                 360                 365

Leu Met Gln Asp Gly Gly Leu Glu Lys Pro Lys Pro Arg Pro Glu Asp
    370                 375                 380

Ile Val Asn Cys Asp Leu Lys Ser Thr Leu Arg Val Leu Tyr Asn Leu
385                 390                 395                 400

Phe Thr Lys Tyr Arg Asn Val Glu
                405
```

<210> 4715
<211> 314
<212> PRT
<213> Homo sapiens

<400> 4715

```
Asp Pro Tyr Ser Gln Ser Ala Thr Ala Phe Asn Glu Met Ile Gln Glu
  1               5                  10                  15

Asn Gly Tyr Asn Phe Asp Arg Ser Ser Ser Thr Phe Ser Gly Ile Lys
             20                  25                  30

Glu Leu Ala Arg Arg Phe Ala Leu Thr Phe Gly Leu Asp Gln Leu Lys
```

BNSDOCID: <WO___0122920A2_I_>

```
         35                  40                  45

Thr Arg Glu Ala Ile Ala Met Leu His Lys Asp Gly Ile Glu Phe Ala
     50                  55                  60

Phe Lys Glu Pro Asn Pro Gln Gly Glu Ser His Pro Pro Leu Asn Leu
 65                  70                  75                  80

Ala Phe Leu Asp Ile Leu Ser Glu Phe Ser Ser Lys Leu Leu Arg Gln
                 85                  90                  95

Asp Lys Arg Thr Val Tyr Val Tyr Leu Glu Lys Phe Met Thr Phe Gln
            100                 105                 110

Met Ser Leu Arg Arg Glu Asp Val Trp Leu Pro Leu Met Ser Tyr Arg
        115                 120                 125

Asn Ser Leu Leu Ala Gly Gly Asp Asp Asp Thr Met Ser Val Ile Ser
    130                 135                 140

Gly Ile Ser Ser Arg Gly Ser Thr Val Arg Ser Lys Lys Ser Lys Pro
145                 150                 155                 160

Ser Thr Gly Lys Arg Lys Val Val Glu Gly Met Gln Leu Ser Leu Thr
                165                 170                 175

Glu Glu Ser Ser Ser Ser Asp Ser Met Trp Leu Ser Arg Glu Gln Thr
            180                 185                 190

Leu His Thr Pro Val Met Met Gln Thr Pro Gln Leu Thr Ser Thr Ile
        195                 200                 205

Met Arg Glu Pro Lys Arg Leu Arg Pro Glu Asp Ser Phe Met Ser Val
    210                 215                 220

Tyr Pro Met Gln Thr Glu His His Gln Thr Pro Leu Asp Tyr Asn Arg
225                 230                 235                 240

Arg Gly Thr Ser Leu Met Glu Asp Asp Glu Glu Pro Ile Val Glu Asp
                245                 250                 255

Val Met Met Ser Ser Glu Gly Arg Ile Glu Asp Leu Asn Glu Gly Met
            260                 265                 270

Asp Phe Asp Thr Met Asp Ile Asp Leu Pro Pro Ser Lys Asn Arg Arg
        275                 280                 285

Glu Arg Thr Glu Leu Lys Pro Asp Phe Phe Asp Pro Ala Ser Ile Met
    290                 295                 300

Asp Glu Ser Val Leu Gly Val Ser Met Phe
```

BNSDOCID: <WO_ 0122920A2 1 >

305 310

<210> 4716
<211> 287
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4716
Arg Pro Cys Pro Glu Glu Ala Glu Ile Gly Ile Ala Met Gly Ser Gly
1 5 10 15

Thr Ala Val Ala Lys Thr Ala Ser Glu Met Val Leu Ala Asp Asp Asn
20 25 30

Phe Ser Thr Ile Val Ala Ala Val Glu Glu Gly Arg Ala Ile Tyr Asn
35 40 45

Asn Met Lys Gln Phe Ile Arg Tyr Leu Ile Ser Ser Asn Val Gly Glu
50 55 60

Val Val Cys Ile Phe Leu Thr Ala Ala Leu Gly Leu Pro Glu Ala Leu
65 70 75 80

Ile Pro Val Gln Leu Leu Trp Val Asn Leu Val Thr Asp Gly Leu Pro
85 90 95

Ala Thr Ala Leu Gly Phe Asn Pro Pro Asp Leu Asp Ile Met Asp Arg
100 105 110

Pro Pro Arg Ser Pro Lys Glu Pro Leu Ile Ser Gly Trp Leu Phe Phe
115 120 125

Arg Tyr Met Ala Ile Gly Gly Tyr Val Gly Ala Ala Thr Val Gly Ala
130 135 140

Ala Ala Trp Trp Phe Leu Tyr Ala Glu Asp Gly Pro His Val Asn Tyr
145 150 155 160

Ser Gln Leu Thr His Phe Met Gln Cys Thr Glu Asp Asn Thr His Phe
165 170 175

Glu Gly Ile Xaa Cys Glu Val Phe Glu Ala Pro Glu Pro Met Thr Met
180 185 190

```
Ala Leu Ser Val Leu Val Thr Ile Glu Met Cys Asn Ala Leu Asn Ser
        195                 200                 205

Leu Ser Glu Asn Gln Ser Leu Leu Arg Met Pro Pro Trp Val Asn Ile
    210                 215                 220

Trp Leu Leu Gly Ser Ile Cys Leu Ser Met Ser Leu His Phe Leu Ile
225                 230                 235                 240

Leu Tyr Val Asp Pro Leu Pro Met Ile Phe Lys Leu Arg Ala Leu Asp
                245                 250                 255

Leu Thr Gln Trp Leu Met Val Leu Lys Ile Ser Leu Pro Val Ile Gly
            260                 265                 270

Leu Asp Glu Ile Leu Lys Phe Val Ala Arg Asn Tyr Leu Glu Gly
        275                 280                 285
```

<210> 4717
<211> 47
<212> PRT
<213> Homo sapiens

<400> 4717

```
Gln Arg Pro Cys Gly Leu Gln Gly Pro Lys Tyr Leu Leu Ser Gly Leu
  1               5                  10                  15

Leu Leu Lys Lys Phe Ser Gln Ala Trp Trp Trp Ala Pro Val Ile Pro
             20                  25                  30

Ala Thr Arg Glu Ser Glu Ala Gly Glu Ser Leu Glu Pro Gly Arg
         35                  40                  45
```

<210> 4718
<211> 436
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (382)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2 I >

<400> 4718

```
Ala Xaa Asp Pro Ser Arg Val Met Asp Gln His Lys Leu Thr Arg Asp
  1               5                  10                  15

Gln Trp Glu Asp Arg Ile Gln Val Trp His Ala Glu His Arg Gly Met
             20                  25                  30

Leu Lys Asp Asn Ala Met Leu Glu Tyr Leu Lys Ile Ala Gln Asp Leu
         35                  40                  45

Glu Met Tyr Gly Ile Asn Tyr Phe Glu Ile Lys Asn Lys Lys Gly Thr
     50                  55                  60

Asp Leu Trp Leu Gly Val Asp Ala Leu Gly Leu Asn Ile Tyr Glu Lys
 65                  70                  75                  80

Asp Asp Lys Leu Thr Pro Lys Ile Gly Phe Pro Trp Ser Glu Ile Arg
                 85                  90                  95

Asn Ile Ser Phe Asn Asp Lys Lys Phe Val Ile Lys Pro Ile Asp Lys
            100                 105                 110

Lys Ala Pro Asp Phe Val Phe Tyr Ala Pro Arg Leu Arg Ile Asn Lys
        115                 120                 125

Arg Ile Leu Gln Leu Cys Met Gly Asn His Glu Leu Tyr Met Arg Arg
    130                 135                 140

Arg Lys Pro Asp Thr Ile Glu Val Gln Gln Met Lys Ala Gln Ala Arg
145                 150                 155                 160

Glu Glu Lys His Gln Lys Gln Leu Glu Arg Gln Gln Leu Glu Thr Glu
                165                 170                 175

Lys Lys Arg Arg Glu Thr Val Glu Arg Glu Lys Glu Gln Met Met Arg
            180                 185                 190

Glu Lys Glu Glu Leu Met Leu Arg Leu Gln Asp Tyr Glu Glu Lys Thr
        195                 200                 205

Lys Lys Ala Glu Arg Glu Leu Ser Glu Gln Ile Gln Arg Ala Leu Gln
    210                 215                 220

Leu Glu Glu Glu Arg Lys Arg Ala Gln Glu Glu Ala Glu Arg Leu Glu
225                 230                 235                 240

Ala Asp Arg Met Ala Ala Leu Arg Ala Lys Glu Glu Leu Glu Arg Gln
                245                 250                 255

Ala Val Asp Gln Ile Lys Ser Gln Glu Gln Leu Ala Ala Glu Leu Ala
```

260 265 270

Glu Tyr Thr Ala Lys Ile Ala Leu Leu Glu Glu Ala Arg Arg Arg Lys
275 280 285

Glu Asp Glu Val Glu Glu Trp Gln His Arg Ala Lys Glu Ala Gln Asp
290 295 300

Asp Leu Val Lys Thr Lys Glu Glu Leu His Leu Val Met Thr Ala Pro
305 310 315 320

Pro Pro Pro Pro Pro Pro Val Tyr Glu Pro Val Ser Tyr His Val Gln
325 330 335

Glu Ser Leu Gln Asp Glu Gly Ala Glu Pro Thr Gly Tyr Ser Ala Glu
340 345 350

Leu Ser Ser Glu Gly Ile Arg Asp Asp Arg Asn Glu Glu Lys Arg Ile
355 360 365

Thr Glu Ala Glu Lys Asn Glu Arg Val Gln Arg Gln Leu Xaa Thr Leu
370 375 380

Ser Ser Glu Leu Ser Gln Ala Arg Asp Glu Asn Lys Arg Thr His Asn
385 390 395 400

Asp Ile Ile His Asn Glu Asn Met Arg Gln Gly Arg Asp Lys Tyr Lys
405 410 415

Thr Leu Arg Gln Ile Arg Gln Gly Asn Thr Lys Gln Arg Ile Asp Glu
420 425 430

Phe Glu Ala Leu
435

<210> 4719
<211> 173
<212> PRT
<213> Homo sapiens

<400> 4719
Leu Gln Val Val Gln Ala Asp Ile Ala Ser Ile Asp Ser Asp Ala Val
1 5 10 15

Val His Pro Thr Asn Thr Asp Phe Tyr Ile Gly Gly Glu Val Gly Asn
20 25 30

Thr Leu Glu Lys Lys Gly Gly Lys Glu Phe Val Glu Ala Val Leu Glu
35 40 45

```
Leu Arg Lys Lys Asn Gly Pro Leu Glu Val Ala Gly Ala Ala Val Ser
     50                  55                  60

Ala Gly His Gly Leu Pro Ala Lys Phe Val Ile His Cys Asn Ser Pro
 65                  70                  75                  80

Val Trp Gly Ala Asp Lys Cys Glu Glu Leu Leu Glu Lys Thr Val Lys
                 85                  90                  95

Asn Cys Leu Ala Leu Ala Asp Asp Lys Lys Leu Lys Ser Ile Ala Phe
            100                 105                 110

Pro Ser Ile Gly Ser Gly Arg Asn Gly Phe Pro Lys Gln Thr Ala Ala
        115                 120                 125

Gln Leu Ile Leu Lys Ala Ile Ser Ser Tyr Phe Val Ser Thr Met Ser
    130                 135                 140

Ser Ser Ile Lys Thr Val Tyr Phe Val Leu Phe Asp Ser Glu Ser Ile
145                 150                 155                 160

Gly Ile Tyr Val Gln Glu Met Ala Lys Leu Asp Ala Asn
                165                 170
```

<210> 4720
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4720

```
Arg Gly Asp Pro Phe Pro Leu Val Gly Phe Gly Ser Cys Val Ser Ser
  1                 5                  10                  15
```

```
Leu Cys Lys Thr Leu His Gln Gly Tyr Pro Gly His Glu Gly Val Pro
            20                  25                  30

Pro Val Pro Val Tyr Phe Cys Thr Arg Thr Ser Asn Lys Thr Gly Arg
        35                  40                  45

Cys Leu Gly Asn Cys His Gly Val Arg Glu Arg Asp Ala Phe Tyr Ser
    50                  55                  60

Xaa Gly Val Asp Asp Xaa Thr Xaa Val Ile Asn Cys Ile Cys Trp Glu
65                  70                  75                  80

Lys Val Glu Tyr
```

<210> 4721
<211> 49
<212> PRT
<213> Homo sapiens

<400> 4721

```
Arg Gly Gly Gly Cys Ser Glu Pro Arg Ser Arg His Cys Thr Pro Ala
  1               5                  10                  15

Trp Gly Thr Arg Val Arg Leu Ser Leu Lys Lys Lys Lys Lys Glu Lys
            20                  25                  30

Lys Ile Arg Asp Ile Val His Ile Pro Leu Leu Cys Leu His Arg Cys
        35                  40                  45

Pro
```

<210> 4722
<211> 267
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I >

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (173)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4722

```
Asn Asn Leu Asn Ser Val Leu Ala Glu Arg Leu Glu Lys Trp Leu Gln
 1               5                  10                  15

Leu Met Leu Met Trp His Pro Arg Gln Arg Gly Thr Asp Pro Thr Tyr
            20                  25                  30

Gly Pro Asn Gly Cys Phe Lys Ala Leu Asp Asp Ile Leu Asn Leu Lys
        35                  40                  45

Leu Val His Ile Leu Asn Met Val Thr Gly Thr Ile His Thr Tyr Pro
    50                  55                  60

Val Thr Glu Asp Glu Ser Leu Gln Ser Leu Lys Ala Arg Ile Gln Gln
65                  70                  75                  80

Asp Thr Gly Ile Pro Glu Glu Xaa Gln Xaa Leu Leu Gln Glu Xaa Gly
                85                  90                  95

Leu Ala Leu Ile Pro Asp Lys Pro Ala Thr Gln Cys Ile Ser Asp Gly
            100                 105                 110

Lys Leu Asn Glu Gly His Thr Leu Asp Met Asp Leu Val Phe Leu Phe
        115                 120                 125
```

BNSDOCID: <WO_ _0122920A2 I >

```
Asp Asn Ser Lys Ile Thr Tyr Glu Thr Gln Ile Xaa Pro Arg Pro Gln
    130                 135                 140

Pro Glu Ser Val Ser Cys Ile Leu Gln Glu Pro Lys Arg Asn Leu Ala
145                 150                 155                 160

Phe Xaa Gln Leu Xaa Lys Val Trp Gly Gln Val Trp Xaa Ser Ile Gln
                165                 170                 175

Thr Leu Lys Glu Asp Cys Asn Arg Leu Gln Gln Gly Gln Arg Ala Ala
            180                 185                 190

Met Met Asn Leu Leu Arg Asn Asn Ser Cys Leu Ser Lys Met Lys Asn
        195                 200                 205

Ser Met Ala Ser Met Ser Gln Gln Leu Lys Ala Lys Leu Asp Phe Phe
    210                 215                 220

Lys Thr Ser Ile Gln Ile Asp Leu Glu Lys Tyr Ser Glu Gln Thr Glu
225                 230                 235                 240

Phe Gly Ile Thr Ser Asp Lys Leu Leu Leu Ala Trp Arg Glu Met Glu
                245                 250                 255

Gln Ala Val Glu Leu Cys Gly Arg Glu Asn Glu
            260                 265
```

<210> 4723
<211> 101
<212> PRT
<213> Homo sapiens

<400> 4723

```
His Phe Leu Thr Cys Gly Arg Glu Lys Leu Pro Asn Phe Phe Phe Leu
  1               5                  10                  15

Leu Leu Asn Cys Asn Ile Val Glu Asp Phe Phe Phe Leu Phe Ser Leu
            20                  25                  30

Ile Gly Ala Phe Cys Thr Gly Phe Val Cys Val Cys Val Cys Val Cys
        35                  40                  45

Ala Arg Ala Cys Val Leu Ile Cys Phe Leu Ile His Ser Tyr Pro Leu
    50                  55                  60

Cys Leu Ser Tyr His Cys Leu Pro Gly Tyr Leu Lys Gln Val His Thr
65                  70                  75                  80

Phe Glu Lys Lys Lys Lys Cys Cys Leu Lys Asn Val Phe Ser Cys Cys
```

85 90 95

Ser Lys Tyr Phe Ala
100

<210> 4724
<211> 163
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4724
Arg Ser Pro Asp Ser Ser Gln Val Leu Gly Ala Arg Asp Ala Asp Ser
1 5 10 15

Ser Ser Gly Cys Phe Ser Arg Cys Ser Trp Ala Leu Ala Ser Asp Gly
20 25 30

Ala Leu Arg Gly Cys Phe Pro Gly Ala Arg Phe Cys Ser Thr Thr Ser
35 40 45

Xaa Glu Gly Asn Thr Thr Phe Thr Gly Ser Ala Ala Ala Pro Gly Pro
50 55 60

Ser Ala Ser Arg Gln Gly Pro Lys Pro Gly Pro Pro Ala Ala Thr Val
65 70 75 80

Ala Arg Gln Thr Ser Arg Val Ser Pro Ala Pro Pro Cys Ser Leu Arg
85 90 95

Pro Gly Leu Arg His Glu Ser Ala Pro Ser Gly Ile Gly Asp Val Thr
100 105 110

Ala Arg Gly Ala Leu Arg Gly Leu Gly Cys Thr Val Arg Val Thr Ala
115 120 125

Ala Cys Ala Gly Asn His Gly Cys Ser Gln Met Leu Ala Leu Arg Asn
130 135 140

Ser Lys Trp Glu Thr Ala Ser Arg Arg Gly Val Leu Thr Gly Arg Leu
145 150 155 160

Gly Ile Lys

<210> 4725
<211> 91
<212> PRT
<213> Homo sapiens

<400> 4725
Glu Ser Leu Trp Ala Phe Cys Leu Ser Leu Leu Glu Arg Leu Ala Cys
1 5 10 15

Cys Ser Leu Leu Tyr Pro Glu Val Cys Leu Trp Asp Phe Ser Pro Val
20 25 30

Ala Val Glu Thr Arg Arg Pro Thr Leu Phe Glu Thr Gln Met Leu Leu
35 40 45

Ser Leu Ala Ser Pro Ser Leu Ser Ser Pro Asn Glu Pro Thr Phe Cys
50 55 60

Thr Ser Thr Arg Met Pro Gly Arg Leu Gly Pro Gln Arg Leu Leu Phe
65 70 75 80

Gln Asn Leu Trp Lys Pro Arg Leu Asn Val Pro
85 90

<210> 4726
<211> 72
<212> PRT
<213> Homo sapiens

<400> 4726
Ile Ser Ser His Leu Val Ser Lys Leu Leu Leu Thr Met Val Val Leu
1 5 10 15

Leu Glu Gln Ser Phe Gln Ala Pro Leu Arg Thr Ile Phe Asn Ser Asp
20 25 30

Thr Lys Gly Lys Thr Gly Cys Tyr Phe Cys Phe Val Val Gln Leu Val
35 40 45

Leu Tyr Ser His Met Leu Tyr Ile Leu Asn Ser Pro Val Leu Phe Arg
50 55 60

Leu Val Asn Arg Thr Ile Ser Met
65 70

<210> 4727
<211> 251
<212> PRT
<213> Homo sapiens

<400> 4727
Gly Gly Leu Ala Trp Arg Ala Leu Arg Thr Ser Gly Thr Leu Leu Arg
1 5 10 15

Val Glu Arg Leu Leu Leu Glu Asp Tyr Cys Pro Glu Glu Lys Met Phe
20 25 30

Gly Phe His Lys Pro Lys Met Tyr Arg Ser Ile Glu Gly Cys Cys Ile
35 40 45

Cys Arg Ala Lys Ser Ser Ser Ser Arg Phe Thr Asp Ser Lys Arg Tyr
50 55 60

Glu Lys Asp Phe Gln Ser Cys Phe Gly Leu His Glu Thr Arg Ser Gly
65 70 75 80

Asp Ile Cys Asn Ala Cys Val Leu Leu Val Lys Arg Trp Lys Lys Leu
85 90 95

Pro Ala Gly Ser Lys Lys Asn Trp Asn His Val Val Asp Ala Arg Ala
100 105 110

Gly Pro Ser Leu Lys Thr Thr Leu Lys Pro Lys Lys Val Lys Thr Leu
115 120 125

Ser Gly Asn Arg Ile Lys Ser Asn Gln Ile Ser Lys Leu Gln Lys Glu
130 135 140

Phe Lys Arg His Asn Ser Asp Ala His Ser Thr Thr Ser Ser Ala Ser
145 150 155 160

Pro Ala Gln Ser Pro Cys Tyr Ser Asn Gln Ser Asp Asp Gly Ser Asp
165 170 175

Thr Glu Met Ala Ser Gly Ser Asn Arg Thr Pro Val Phe Ser Phe Leu
180 185 190

Asp Leu Thr Tyr Trp Lys Arg Gln Lys Ile Cys Cys Gly Ile Ile Tyr
195 200 205

Lys Gly Arg Phe Gly Glu Val Leu Ile Asp Thr His Leu Phe Lys Pro
210 215 220

Cys Cys Ser Asn Lys Lys Ala Ala Ala Glu Lys Pro Glu Glu Gln Gly
225 230 235 240

Pro Glu Pro Leu Pro Ile Ser Thr Gln Glu Trp
245 250

<210> 4728
<211> 45
<212> PRT
<213> Homo sapiens

<400> 4728
Cys Cys Asp Ala Cys Phe Gln Asp Pro Tyr Gly Val Ala Val Gly Gly
1 5 10 15

Thr Val Gly His Cys Leu Cys Thr Gly Leu Ala Val Ile Gly Gly Arg
20 25 30

Met Ile Ala Gln Lys Ile Ser Val Arg Thr Gly Lys Ser
35 40 45

<210> 4729
<211> 134
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4729
Leu Pro Ala Gly Met Ser Ala Lys Met Leu Gly Gly Val Phe Lys Ile
1 5 10 15

Asp Trp Ile Cys Arg Arg Glu Leu Pro Phe Thr Lys Ser Ala His Leu
20 25 30

Thr Asn Pro Trp Asn Glu His Lys Pro Val Lys Ile Gly Arg Asp Gly
35 40 45

```
Gln Glu Ile Glu Leu Glu Cys Gly Thr Gln Leu Cys Leu Leu Phe Pro
     50                  55                  60

Pro Asp Glu Ser Ile Asp Leu Tyr Gln Val Ile His Lys Met Arg His
 65                  70                  75                  80

Lys Arg Arg Met His Ser Gln Pro Arg Ser Arg Gly Arg Pro Ser Arg
                 85                  90                  95

Glu Asn Gln Ser Xaa Xaa Xaa Glu Gly Val Asp Gln Lys Ile Met Ile
            100                 105                 110

Phe Ile Thr Ala Glu Arg Asn Gln Gly Leu Thr Ile Pro Leu Ser Phe
        115                 120                 125

Thr Arg Asp Gln Gly Ile
    130
```

<210> 4730
<211> 193
<212> PRT
<213> Homo sapiens

<400> 4730

```
Leu Val Pro Pro Lys Ser Trp Thr Ile Gln Val Gly Leu Val Ser Leu
  1               5                  10                  15

Leu Asp Asn Pro Ala Pro Ser His Leu Val Glu Lys Ile Val Tyr His
            20                  25                  30

Ser Lys Tyr Lys Pro Lys Arg Leu Gly Asn Asp Ile Ala Leu Met Lys
        35                  40                  45

Leu Ala Gly Pro Leu Thr Phe Asn Glu Met Ile Gln Pro Val Cys Leu
     50                  55                  60

Pro Asn Ser Glu Glu Asn Phe Pro Asp Gly Lys Val Cys Trp Thr Ser
 65                  70                  75                  80

Gly Trp Gly Ala Thr Glu Asp Gly Ala Gly Asp Ala Ser Pro Val Leu
                 85                  90                  95

Asn His Ala Ala Val Pro Leu Ile Ser Asn Lys Ile Cys Asn His Arg
            100                 105                 110

Asp Val Tyr Gly Gly Ile Ile Ser Pro Ser Met Leu Cys Ala Gly Tyr
        115                 120                 125
```

BNSDOCID: <WO__ 0122920A2 I_>

```
Leu Thr Gly Gly Val Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu
    130                 135                 140

Val Cys Gln Glu Arg Arg Leu Trp Lys Leu Val Gly Ala Thr Ser Phe
145                 150                 155                 160

Gly Ile Gly Cys Ala Glu Val Asn Lys Pro Gly Val Tyr Thr Arg Val
                165                 170                 175

Thr Ser Phe Leu Asp Trp Ile His Glu Gln Met Glu Arg Asp Leu Lys
            180                 185                 190

Thr
```

<210> 4731
<211> 426
<212> PRT
<213> Homo sapiens

<400> 4731

```
Cys His Arg Gln Arg Arg Cys Leu Leu Pro Ser Asp Cys Glu Lys Thr
  1               5                  10                  15

Ile Thr Gly Pro Arg Asn Cys His Ala Asn Arg Leu Pro Cys Ile Tyr
            20                  25                  30

Leu Val Asp Ser Gly Gly Ala Tyr Leu Pro Arg Gln Ala Asp Val Phe
        35                  40                  45

Pro Asp Arg Asp His Phe Gly Arg Thr Phe Tyr Asn Gln Ala Ile Met
    50                  55                  60

Ser Ser Lys Asn Ile Ala Gln Ile Ala Val Val Met Gly Ser Cys Thr
65                  70                  75                  80

Ala Gly Gly Ala Tyr Val Pro Ala Met Ala Asp Glu Asn Ile Ile Val
                85                  90                  95

Arg Lys Gln Gly Thr Ile Phe Leu Ala Gly Pro Pro Leu Val Lys Ala
            100                 105                 110

Ala Thr Gly Glu Glu Val Ser Ala Glu Asp Leu Gly Gly Ala Asp Leu
        115                 120                 125

His Cys Arg Lys Ser Gly Val Ser Asp His Trp Ala Leu Asp Asp His
    130                 135                 140

His Ala Leu His Leu Thr Arg Lys Val Val Arg Asn Leu Asn Tyr Gln
```

BNSDOCID: <WO_0122920A2_I_>

145 150 155 160

Lys Lys Leu Asp Val Thr Ile Glu Pro Ser Glu Glu Pro Leu Phe Pro
165 170 175

Ala Asp Glu Leu Tyr Gly Ile Val Gly Ala Asn Leu Lys Arg Ser Phe
180 185 190

Asp Val Arg Glu Val Ile Ala Arg Ile Val Asp Gly Ser Arg Phe Thr
195 200 205

Glu Phe Lys Ala Phe Tyr Gly Asp Thr Leu Val Thr Gly Phe Ala Arg
210 215 220

Ile Phe Gly Tyr Pro Val Gly Ile Val Gly Asn Asn Gly Val Leu Phe
225 230 235 240

Ser Glu Ser Ala Lys Lys Gly Thr His Phe Val Gln Leu Cys Cys Gln
245 250 255

Arg Asn Ile Pro Leu Leu Phe Leu Gln Asn Ile Thr Gly Phe Met Val
260 265 270

Gly Arg Glu Tyr Glu Ala Glu Gly Ile Ala Lys Asp Gly Ala Lys Met
275 280 285

Val Ala Ala Val Ala Cys Ala Gln Val Pro Lys Ile Thr Leu Ile Ile
290 295 300

Gly Gly Ser Tyr Gly Ala Gly Asn Tyr Gly Met Cys Gly Arg Ala Tyr
305 310 315 320

Ser Pro Arg Phe Leu Tyr Ile Trp Pro Asn Ala Arg Ile Ser Val Met
325 330 335

Gly Gly Glu Gln Ala Ala Asn Val Leu Ala Thr Ile Thr Lys Asp Gln
340 345 350

Arg Ala Arg Glu Gly Lys Gln Phe Ser Ser Ala Asp Glu Ala Ala Leu
355 360 365

Lys Glu Pro Ile Ile Lys Lys Phe Glu Glu Glu Gly Asn Pro Tyr Tyr
370 375 380

Ser Ser Ala Arg Val Trp Asp Asp Gly Ile Ile Asp Pro Ala Asp Thr
385 390 395 400

Arg Leu Val Leu Gly Leu Ser Phe Ser Ala Ala Leu Asn Ala Pro Ile
405 410 415

Glu Lys Thr Asp Phe Gly Ile Phe Arg Met

420 425

<210> 4732
<211> 651
<212> PRT
<213> Homo sapiens

<400> 4732

```
Tyr Phe Thr Asn Glu Thr Asp Asp Ile Ala Asn Leu Glu Ala Ser Val
  1               5                  10                  15

Leu Glu Asn Pro Ser His Val Gln Leu Trp Leu Lys Leu Ala Tyr Lys
             20                  25                  30

Tyr Leu Asn Gln Asn Glu Gly Glu Cys Ser Glu Ser Leu Asp Ser Ala
         35                  40                  45

Leu Asn Val Leu Ala Arg Ala Leu Glu Asn Asn Lys Asp Asn Pro Glu
     50                  55                  60

Ile Trp Cys His Tyr Leu Arg Leu Phe Ser Lys Arg Gly Thr Lys Asp
 65                  70                  75                  80

Glu Val Gln Glu Met Cys Glu Thr Ala Val Glu Tyr Ala Pro Asp Tyr
                 85                  90                  95

Gln Ser Phe Trp Thr Phe Leu His Leu Glu Ser Thr Phe Glu Glu Lys
            100                 105                 110

Asp Tyr Val Cys Glu Arg Met Leu Glu Phe Leu Met Gly Ala Ala Lys
        115                 120                 125

Gln Glu Thr Ser Asn Ile Leu Ser Phe Gln Leu Leu Glu Ala Leu Leu
    130                 135                 140

Phe Arg Val Gln Leu His Ile Phe Thr Gly Arg Cys Gln Ser Ala Leu
145                 150                 155                 160

Ala Ile Leu Gln Asn Ala Leu Lys Ser Ala Asn Asp Gly Ile Val Ala
                165                 170                 175

Glu Tyr Leu Lys Thr Ser Asp Arg Cys Leu Ala Trp Leu Ala Tyr Ile
            180                 185                 190

His Leu Ile Glu Phe Asn Ile Leu Pro Ser Lys Phe Tyr Asp Pro Ser
        195                 200                 205

Asn Asp Asn Pro Ser Arg Ile Val Asn Thr Glu Ser Phe Val Met Pro
    210                 215                 220
```

BNSDOCID: <WO_ 0122920A2 I >

```
Trp Gln Ala Val Gln Asp Val Lys Thr Asn Pro Asp Met Leu Leu Ala
225                 230                 235                 240

Val Phe Glu Asp Ala Val Lys Ala Cys Thr Asp Glu Ser Leu Ala Val
                245                 250                 255

Glu Glu Arg Ile Glu Ala Cys Leu Pro Leu Tyr Thr Asn Met Ile Ala
            260                 265                 270

Leu His Gln Leu Leu Glu Arg Tyr Glu Ala Ala Met Glu Leu Cys Lys
        275                 280                 285

Ser Leu Leu Glu Ser Cys Pro Ile Asn Cys Gln Leu Leu Glu Ala Leu
    290                 295                 300

Val Ala Leu Tyr Leu Gln Thr Asn Gln His Asp Lys Ala Arg Ala Val
305                 310                 315                 320

Trp Leu Thr Ala Phe Glu Lys Asn Pro Gln Asn Ala Glu Val Phe Tyr
                325                 330                 335

His Met Cys Lys Phe Phe Ile Leu Gln Asn Arg Gly Asp Asn Leu Leu
            340                 345                 350

Pro Phe Leu Arg Lys Phe Ile Ala Ser Phe Phe Lys Pro Gly Phe Glu
        355                 360                 365

Lys Tyr Asn Asn Leu Asp Leu Phe Arg Tyr Leu Leu Asn Ile Pro Gly
    370                 375                 380

Pro Ile Asp Ile Pro Ser Arg Leu Cys Lys Gly Asn Phe Asp Asp Asp
385                 390                 395                 400

Met Phe Asn His Gln Val Pro Tyr Leu Trp Leu Ile Tyr Cys Leu Cys
                405                 410                 415

His Pro Leu Gln Ser Ser Ile Lys Glu Thr Val Glu Ala Tyr Glu Ala
            420                 425                 430

Ala Leu Gly Val Ala Met Arg Cys Asp Ile Val Gln Lys Ile Trp Met
        435                 440                 445

Asp Tyr Leu Val Phe Ala Asn Asn Arg Ala Ala Gly Ser Arg Asn Lys
    450                 455                 460

Val Gln Glu Phe Lys Phe Phe Thr Asp Leu Val Asn Arg Cys Leu Val
465                 470                 475                 480

Thr Val Pro Ala Arg Tyr Pro Ile Pro Phe Ser Ser Ala Asp Tyr Trp
                485                 490                 495
```

```
Ser Asn Tyr Glu Phe His Asn Arg Val Ile Phe Phe Tyr Leu Ser Cys
            500                 505                 510

Val Pro Lys Thr Gln His Ser Lys Thr Leu Glu Arg Phe Cys Ser Val
        515                 520                 525

Met Pro Ala Asn Ser Gly Leu Ala Leu Arg Leu Leu Gln His Glu Trp
    530                 535                 540

Glu Glu Ser Asn Val Gln Ile Leu Lys Leu Gln Ala Lys Met Phe Thr
545                 550                 555                 560

Tyr Asn Ile Pro Thr Cys Leu Ala Thr Trp Lys Ile Ala Ile Ala Ala
                565                 570                 575

Glu Ile Val Leu Lys Gly Gln Arg Glu Val His Arg Leu Tyr Gln Arg
            580                 585                 590

Ala Leu Gln Lys Leu Pro Leu Cys Ala Ser Leu Trp Lys Asp Gln Leu
        595                 600                 605

Leu Phe Glu Ala Ser Glu Gly Gly Lys Thr Asp Asn Leu Arg Lys Leu
    610                 615                 620

Val Ser Lys Cys Gln Glu Ile Gly Val Ser Leu Asn Glu Leu Leu Asn
625                 630                 635                 640

Leu Asn Ser Asn Lys Thr Glu Ser Lys Asn His
                645                 650
```

<210> 4733
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4733

Arg Ala Pro Ser Phe Lys Lys Leu Xaa Gly Xaa Pro Pro Xaa Gly Xaa
1 5 10 15

Xaa Arg Glu Xaa Ser Gly Xaa Arg Xaa Arg Pro Gln Ser Ala Arg Ala
20 25 30

Ala Met Ala Leu Leu Leu Ser Val Leu Arg Val Leu Leu Gly Gly Phe
35 40 45

Phe Ala Leu Val Gly Leu Ala Lys Leu Ser Glu Glu Ile Ser Ala Pro
50 55 60

Val Ser Glu Arg Met Asn Ala Leu Phe Val Gln Phe Ala Glu Val Phe
65 70 75 80

Pro Leu Lys Val Phe Gly Tyr Gln Pro Asp Pro Leu Lys Leu Pro Asn
85 90 95

Ser Cys Gly Leu Ser Gly Thr Ala Gly Trp Val Ala Ala Gly His Gly
100 105 110

Pro Thr Asp Ala Ala Arg Asp Gln
115 120

<210> 4734
<211> 244
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (232)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4734

```
Ser Thr Phe Asp Lys Gly Tyr Gly Lys Tyr Phe Ala Ala Gly Glu Lys
  1               5                  10                  15

Tyr His Thr Ser Ser Val Phe His Lys Ala Gln Arg Ala Arg Trp Lys
             20                  25                  30

Asn Arg Arg Ser Trp Arg Leu Ser Gly Val His Trp Ser Pro Ile Phe
         35                  40                  45

Cys Arg Ile Ser Ala Leu Lys Val Gly Ala Asp Leu Ser His Val Phe
     50                  55                  60

Cys Ala Ser Ala Ala Ala Pro Val Ile Lys Ala Tyr Ser Pro Glu Leu
 65                  70                  75                  80

Ile Val His Pro Val Leu Asp Ser Pro Asn Ala Val His Glu Val Glu
                85                  90                  95

Lys Trp Leu Pro Arg Leu His Ala Leu Val Val Gly Pro Gly Leu Gly
            100                 105                 110

Arg Asp Asp Ala Leu Leu Arg Asn Val Gln Gly Ile Leu Glu Val Ser
        115                 120                 125

Lys Ala Arg Asp Ile Pro Val Val Ile Asp Ala Asp Gly Leu Trp Xaa
    130                 135                 140

Val Ala Gln Gln Pro Ala Leu Ile His Gly Tyr Arg Lys Ala Val Leu
145                 150                 155                 160

Thr Pro Asn His Val Glu Phe Ser Arg Leu Tyr Asp Ala Val Leu Arg
                165                 170                 175
```

Gly Pro Met Asp Ser Asp Asp Ser His Gly Ser Val Leu Arg Leu Ser
180 185 190

Gln Ala Leu Gly Asn Val Thr Val Val Gln Lys Gly Glu Arg Asp Ile
195 200 205

Leu Ser Asn Gly Gln Gln Val Leu Val Cys Ser Gln Glu Gly Ser Ser
210 215 220

Ala Gly Val Glu Gly Lys Gly Xaa Ser Cys Arg Ala Pro Trp Ala Ser
225 230 235 240

Trp Tyr Thr Gly

<210> 4735
<211> 107
<212> PRT
<213> Homo sapiens

<400> 4735
Arg Asn Lys Ser Gln Met Gln Arg Tyr Asn Phe His Tyr Leu Lys Tyr
1 5 10 15

Ile Val His Phe Tyr Arg Thr Cys Asp Tyr Ser Arg Met Ile Arg Met
20 25 30

Val Leu Ala Tyr Gly Glu Leu Leu Leu Leu Thr Val Ser Ala Glu Ile
35 40 45

Leu Phe Gln Trp Thr Asn Ile Val Ala Trp Gln Gln Met Pro Thr Phe
50 55 60

Cys Gly Ile Ala Ala Asn Leu Gln Glu Thr Leu Val Gly Phe Ser Phe
65 70 75 80

Cys Phe Leu Cys Phe Phe Pro Leu Leu Leu Asn Gln Gln Gly Trp Lys
85 90 95

Glu Gly Arg Glu Val Met Asn Tyr Ser Phe Gln
100 105

<210> 4736
<211> 78
<212> PRT
<213> Homo sapiens

<400> 4736
Val Val Ser Cys Gly Val Phe Phe Lys Lys Phe Asp Leu Ala Phe Ile
1 5 10 15

Phe Ser Ile Leu Phe Pro Ile Lys Ser Met Gln Ile Ile Cys Pro Lys
20 25 30

Leu Ser Ser Ser Ser Asp Ser Ala Phe Val Leu Cys Gln Ser His Phe
35 40 45

His Leu Leu Pro Trp Phe His Arg Ser Phe Val Ser Trp Ala Ser Arg
50 55 60

Lys Ile Lys Leu Tyr Leu Phe Cys Ile Cys Glu Met Phe Lys
65 70 75

<210> 4737
<211> 171
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4737
Gly His Ser Glu Trp Val Ser Cys Val Arg Phe Ser Pro Asn Ser Ser
1 5 10 15

Asn Pro Ile Ile Val Ser Cys Gly Trp Asp Lys Leu Val Lys Val Trp
20 25 30

Asn Leu Ala Asn Cys Lys Leu Lys Thr Asn His Ile Gly His Thr Gly
35 40 45

Tyr Leu Asn Thr Val Thr Val Ser Pro Asp Gly Ser Leu Cys Ala Ser
50 55 60

Gly Gly Lys Asp Gly Gln Ala Met Leu Trp Asp Leu Asn Glu Gly Lys
65 70 75 80

His Leu Tyr Thr Leu Asp Gly Gly Asp Ile Ile Asn Ala Leu Cys Phe
85 90 95

Ser Pro Asn Arg Tyr Trp Leu Cys Ala Ala Thr Gly Pro Ser Ile Lys
100 105 110

Ile Trp Asp Leu Glu Gly Lys Ile Ile Val Asp Glu Leu Lys Gln Glu
115 120 125

Val Ile Ser Thr Ser Ser Lys Ala Glu Pro Pro Gln Cys Thr Ser Leu
130 135 140

Ala Trp Ser Ala Asp Gly Gln Thr Leu Phe Ala Gly Tyr Thr Asp Asn
145 150 155 160

Leu Val Arg Xaa Gly Ser Asp His Trp Thr Arg
165 170

<210> 4738
<211> 159
<212> PRT
<213> Homo sapiens

<400> 4738
Thr Pro Arg Asp Leu Val Cys Leu Gly Leu Ser Ser Ile Val Gly Val
1 5 10 15

Trp Tyr Leu Leu Arg Lys His Trp Ile Ala Asn Asn Leu Phe Gly Leu
20 25 30

Ala Phe Ser Leu Asn Gly Val Glu Leu Leu His Leu Asn Asn Val Ser
35 40 45

Thr Gly Cys Ile Leu Leu Gly Gly Leu Phe Ile Tyr Asp Val Phe Trp
50 55 60

Val Phe Gly Thr Asn Val Met Val Thr Val Ala Lys Ser Phe Glu Ala
65 70 75 80

Pro Ile Lys Leu Val Phe Pro Gln Asp Leu Leu Glu Lys Gly Leu Glu
85 90 95

Ala Asn Asn Phe Ala Met Leu Gly Leu Gly Asp Val Val Ile Pro Gly
100 105 110

Ile Phe Ile Ala Leu Leu Leu Arg Phe Asp Ile Ser Leu Lys Lys Asn
115 120 125

Thr His Thr Tyr Phe Tyr Thr Ser Phe Ala Ala Tyr Ile Phe Gly Leu
130 135 140

Gly Leu Thr Ile Phe Ile Met His Ile Phe Lys His Ala Gln Leu
145 150 155

<210> 4739
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4739
Tyr Lys Tyr Arg Glu Glu Val Ser Met Asn Leu Xaa Ile Val Leu Ser
1 5 10 15

Asn Pro Leu Glu Cys Gln Ser Leu Lys Asp Phe Ala Leu Leu His Gln
20 25 30

Ile Thr Ser Phe Ser Gln Ile Pro Ile Ser Val Ile Thr Gly Ala Asn
35 40 45

Leu Lys Val Leu Tyr Ser Phe Thr Thr Leu Gln Ile Cys Asn Ala Ala
50 55 60

Tyr Asn Ala Glu Glu His
65 70

<210> 4740
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4740
Thr Lys Xaa Lys Ser Gly Glu Leu Ala Val Thr Ser Thr Gly Gly His
1 5 10 15

Gly Arg Glu Gly Ser Leu Leu Glu Gly Leu Pro Trp Arg Leu Glu Trp
20 25 30

Gly Leu Pro Gly Arg Pro Ala Phe His Pro Cys Leu Pro His Pro Cys
35 40 45

His Arg Leu Cys Thr Pro Leu Asp Gly Gly Ser Lys Pro Gly Thr Val
50 55 60

BNSDOCID: <WO_ _ 0122920A2 I >

Pro Val Leu Val Arg Val Ile Ile Met Ile Asn Ile Asn Tyr Asp Ala
65 70 75 80

Lys Asn Cys Trp Ala Asn Phe Glu Asp Leu Asn Leu Leu Gln
85 90

<210> 4741
<211> 128
<212> PRT
<213> Homo sapiens

<400> 4741
Pro Ser Ser Leu Arg Lys Glu Ser Glu Ser Arg Glu Val Asp Ala Ser
1 5 10 15

Tyr Leu Leu Glu Arg Pro Ser Ser Val Ser Val Val Val Thr Ala Pro
20 25 30

Ser Ala Met Ser Phe Ser Ala Thr Ile Leu Phe Ser Pro Pro Ser Gly
35 40 45

Ser Glu Ala Arg Cys Cys Cys Cys Ala Cys Lys Ser Glu Thr Asn Gly
50 55 60

Gly Asn Thr Gly Ser Gln Gly Gly Asn Pro Pro Pro Ser Thr Pro Ile
65 70 75 80

Thr Val Thr Gly His Gly Leu Ala Val Gln Ser Ser Glu Gln Leu Leu
85 90 95

His Val Ile Tyr Gln Arg Val Asp Lys Ala Val Gly Leu Ala Glu Ala
100 105 110

Ala Leu Gly Leu Ala Arg Ala Asn Asn Glu Leu Leu Lys Arg Leu Gln
115 120 125

<210> 4742
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4742
Arg Lys Phe Ser Leu Thr His Ser Tyr Gln Ala Ser Ile Ile Gln Ile
1 5 10 15

Pro Lys Pro Ile Ile Asp Thr Thr Thr Thr Thr Thr Thr Thr Thr His
20 25 30

His Ala Asn Val Phe Gly Lys His Cys Ala Lys Ile Leu Asn Lys Ile
35 40 45

Leu Ala Ser Gln Ile Gln Gln His Ile Lys Lys Phe Ile Xaa Asn Asn
50 55 60

Gly Val Gly Phe Val Pro Arg Met Gln Gly
65 70

<210> 4743
<211> 149
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4743
Ser Trp Ser Arg Glu Arg Ala Pro Ala Pro Leu Trp Glu Asp Arg Glu
1 5 10 15

Met Pro Val Leu Lys Gln Leu Gly Pro Ala Gln Pro Lys Lys Arg Pro
20 25 30

Asp Arg Gly Ala Leu Ser Ile Ser Ala Pro Leu Gly Asp Phe Arg His
35 40 45

```
Thr Leu His Val Gly Arg Gly Gly Asp Ala Phe Gly Asp Thr Ser Phe
     50                  55                  60

Leu Ser Arg His Gly Gly Gly Pro Pro Pro Ser Pro Gly Arg Pro Pro
 65                  70                  75                  80

Arg Gly Pro Arg Xaa Pro Arg Arg Arg Arg Arg Pro Gln Ser Ala Ala
                85                  90                  95

Pro Arg Leu Arg Pro Ala Val Pro Ser Pro Gly Ser Gly Ala Ser Cys
            100                 105                 110

Trp Thr Arg Cys Trp Arg Met Asp Ala Ala Arg Arg Ser Gly Cys Ala
        115                 120                 125

Ser His Ala Asn Pro Pro Gly Xaa Ala Pro Ala Val Arg His Ala Thr
    130                 135                 140

Xaa Tyr Thr Met Ala
145
```

<210> 4744
<211> 167
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4744

```
Arg Arg Pro Arg Ser Arg Leu Arg Val Thr Ser Val Ser Asp Gln Asn
  1               5                  10                  15

Asp Arg Val Val Glu Cys Gln Leu Gln Thr His Asn Ser Lys Met Val
            20                  25                  30

Thr Phe Arg Phe Asp Leu Asp Gly Asp Ser Pro Glu Glu Ile Ala Ala
        35                  40                  45

Ala Met Val Tyr Asn Glu Phe Ile Leu Pro Ser Glu Arg Asp Gly Phe
    50                  55                  60
```

```
Leu Arg Arg Ile Arg Glu Ile Ile Gln Arg Val Glu Thr Leu Leu Lys
 65                  70                  75                  80

Arg Asp Thr Gly Pro Met Glu Ala Ala Glu Asp Thr Leu Ser Pro Gln
                 85                  90                  95

Glu Glu Pro Ala Pro Leu Pro Ala Leu Pro Val Pro Leu Pro Asp Pro
            100                 105                 110

Ser Asn Glu Glu Leu Gln Ser Ser Thr Ser Leu Glu His Arg Ser Trp
        115                 120                 125

Thr Ala Phe Ser Thr Ser Phe Ile Leu Ser Ser Trp Glu Leu Leu Cys
    130                 135                 140

Leu Leu Gly Asn Pro Phe Ser Pro Gly Thr Pro Ile Phe Pro Arg Val
145                 150                 155                 160

Pro Xaa Phe Pro Ile Xaa Phe
                165
```

<210> 4745
<211> 279
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (247)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4745

```
Ala Gln Asp Gln Trp Ser Glu Leu Phe Met Asp Ala Leu Gly Pro Phe
  1               5                  10                  15

Asn Phe Val Leu Val Ser Ser Val Arg Met Gln Gly Val Ile Leu Leu
             20                  25                  30

Leu Phe Ala Lys Tyr Tyr His Leu Pro Phe Leu Arg Asp Val Gln Thr
         35                  40                  45

Asp Cys Thr Arg Thr Gly Leu Gly Gly Tyr Trp Gly Asn Lys Gly Gly
     50                  55                  60

Val Ser Val Arg Leu Ala Ala Phe Gly His Met Leu Cys Phe Leu Asn
 65                  70                  75                  80

Cys His Leu Pro Ala His Met Asp Lys Ala Glu Gln Arg Lys Asp Asn
                 85                  90                  95
```

```
Phe Gln Thr Ile Leu Ser Leu Gln Gln Phe Gln Gly Pro Gly Ala Gln
            100                 105                 110

Gly Ile Leu Asp His Asp Leu Val Phe Trp Phe Gly Asp Leu Asn Phe
        115                 120                 125

Arg Ile Glu Ser Tyr Asp Leu His Phe Val Lys Phe Ala Ile Asp Ser
    130                 135                 140

Asp Gln Leu His Gln Leu Trp Glu Lys Asp Gln Leu Asn Met Ala Lys
145                 150                 155                 160

Asn Thr Trp Pro Ile Leu Lys Gly Phe Gln Glu Gly Pro Leu Asn Phe
                165                 170                 175

Ala Pro Thr Phe Lys Phe Asp Val Gly Thr Asn Lys Tyr Asp Thr Ser
            180                 185                 190

Ala Lys Lys Arg Lys Pro Ala Trp Thr Asp Arg Ile Leu Trp Lys Val
        195                 200                 205

Lys Ala Pro Gly Gly Gly Pro Ser Pro Ser Gly Arg Lys Ser His Arg
    210                 215                 220

Leu Gln Val Thr Gln His Ser Tyr Arg Ser His Met Glu Tyr Thr Val
225                 230                 235                 240

Ser Asp His Lys Pro Val Xaa Ala Gln Phe Leu Leu Gln Phe Ala Phe
                245                 250                 255

Gln Gly Arg His Ala Thr Gly Ala Ala Gly Gly Gly Gln Met Ser Gly
            260                 265                 270

Cys Gly Pro Ser Arg Arg Trp
        275
```

<210> 4746
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4746
Pro Met Ala Leu Ala Lys Thr Ala Ile Leu Val Arg Leu Ser Tyr Phe

```
  1               5                  10                  15

Leu Phe Ile Asp Thr Ser Thr Xaa Thr Ala Phe Leu Ser Ser Val Asp
             20                  25                  30

Leu His Thr His Cys Ser Tyr Gln Leu Met Leu Pro Glu Ala Ile Ala
         35                  40                  45

Ile Val Cys Ser Pro Lys His Lys Asp Thr Gly Ile Phe Arg Leu Thr
     50                  55                  60

Asn Ala Gly Met Leu Glu Val Ser Ala Cys Lys Lys Lys Gly Phe His
 65                  70                  75                  80

Pro His Thr Lys Glu Pro Arg Leu Phe Ser Ile Cys Lys His Val Leu
                 85                  90                  95

Val Lys Asp Ile Lys Ile Ile Val Leu Asp Leu Arg
            100                 105
```

<210> 4747
<211> 84
<212> PRT
<213> Homo sapiens

<400> 4747

```
Lys Glu Met Val Ile Leu Trp Thr Met Glu Thr Ser Ser Glu Tyr Ala
  1               5                  10                  15

Asp Phe Pro Leu Leu Thr Leu Pro Ser Leu Trp Leu Leu Leu Pro Asp
             20                  25                  30

Lys Gly Gln Gly His Leu Lys Thr Leu Pro Pro Val Gly Phe Gly Val
         35                  40                  45

Thr Gly Ala Ser Ala Cys Ser His Ile Phe Gln Lys Gly Ser Ala Leu
     50                  55                  60

Arg Thr Ser Leu Tyr Leu Gly Phe Leu Ile Pro Leu Ala Val Leu Thr
 65                  70                  75                  80

Ser Arg Glu Thr
```

<210> 4748
<211> 65
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4748
Met Phe Lys Leu Tyr Ser Ser Leu Ala Arg Met Xaa Asn Thr Cys Ala
1 5 10 15

Leu Lys Ala Asn Arg Glu Arg Val His Asn Ile Leu Gln Xaa Leu Lys
20 25 30

His Asn Leu Xaa His His Leu Pro Leu Ala Asn Ile Pro Ser Gln Leu
35 40 45

Phe Ser Arg Glu Glu Pro Phe Lys Leu Trp Ser Ser Ile Tyr Tyr Phe
50 55 60

His
65

<210> 4749
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4749

BNSDOCID: <WO 0122920A2 I >

```
Arg Asn Ala Lys Val Gly Xaa Gly Val Val Ala His Ala Cys Gly Pro
  1               5                  10                  15

Gly Cys Leu Gly Gly Trp Xaa Gly Arg Ile Ala
            20                  25
```

<210> 4750
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4750

```
Ser Ser Tyr Ser Lys Ile Ser Leu Arg Asn Ser Ser Lys Val Thr Glu
  1               5                  10                  15

Ser Ala Ser Val Xaa Gln Ser Gln Asp Val Ser Gly Ser Glu Asp Thr
            20                  25                  30

Phe Pro Asn Lys Arg Pro Arg Leu Glu Asp Lys Thr Val Phe Asp Asn
        35                  40                  45

Phe Phe Ile Lys Lys Glu Gln Ile Lys Ser Ser Gly Asn Asp Pro Lys
    50                  55                  60

Tyr Ser Thr Thr Thr Ala Gln Asn Ser Ser Ser Ser Ser Ser Gln Ser
65                  70                  75                  80

Lys Met Val Asn Cys Pro Val Cys Gln Asn Glu Val Leu Glu Ser Gln
                85                  90                  95

Ile Asn Glu His Leu Asp Trp Cys Leu Glu Gly Asp Ser Ile Lys Val
            100                 105                 110

Xaa Ser Glu Glu Ser Leu
        115
```

<210> 4751

<211> 172
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4751

```
Pro Thr Arg Pro Pro Gln Ala Asn Arg Gly Val Val Arg Trp Glu Tyr
  1               5                  10                  15

Phe Arg Leu Arg Pro Leu Arg Phe Arg Ala Pro Ala Leu Arg Leu Gln
             20                  25                  30

Lys Ser Gln Ser Ser Asp Leu Leu Glu Arg Glu Arg Glu Ser Val Leu
         35                  40                  45

Arg Arg Glu Gln Glu Val Xaa Glu Glu Arg Arg Asn Ala Leu Phe Pro
     50                  55                  60

Glu Val Phe Ser Pro Thr Pro Asp Glu Asn Ser Asp Gln Asn Ser Arg
 65                  70                  75                  80

Ser Ser Ser Gln Ala Ser Gly Ile Thr Gly Ser Tyr Ser Val Ser Glu
                 85                  90                  95

Ser Pro Phe Phe Ser Pro Ile His Leu His Ser Asn Val Ala Trp Thr
            100                 105                 110

Val Glu Asp Xaa Val Asp Ser Ala Pro Pro Gly Gln Arg Lys Lys Glu
        115                 120                 125

Gln Trp Tyr Ala Gly Ile Asn Pro Ser Asp Gly Ile Asn Ser Glu Val
    130                 135                 140

Leu Glu Ala Ile Arg Val Thr Arg His Lys Asn Ala Met Ala Glu Arg
145                 150                 155                 160

Trp Glu Ser Arg Ile Tyr Ala Ser Glu Glu Asp Asp
                165                 170
```

<210> 4752

<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4752
Glu Trp Glu Cys Trp Leu Leu Leu Gln Tyr Trp Ser Leu Tyr Thr Val
1 5 10 15

Leu His Thr Arg Phe Phe Ser Gly Tyr Met Ser Phe Leu Ser Lys Leu
20 25 30

Cys Gly Ser His Glu Glu Thr Ser Asn Gln Gly Lys Gly Glu Gly Leu
35 40 45

Arg His Lys Thr Tyr Leu Tyr Lys Ile Ser Phe Lys Asn Ser Asn Leu
50 55 60

Gly His Val Lys Phe Phe Tyr Ile Phe Ser Cys Leu Asn Leu Ser Ser
65 70 75 80

Phe Phe Met Leu Cys Ser Ala Arg Lys Cys Gly Glu Met Asp Xaa Gly
85 90 95

Gly Cys Gly Xaa Asp Arg Trp Leu Gly Ser Thr Cys Leu Cys Leu Phe
100 105 110

Pro Phe Met Cys Ser Cys Val
115

<210> 4753
<211> 193
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4753
Xaa Gly Arg Ala Trp Val Met Ala Ala Pro Gly Ala Leu Leu Val Met
1 5 10 15

Gly Val Ser Gly Ser Gly Lys Ser Thr Val Gly Ala Leu Leu Ala Ser
20 25 30

Glu Leu Gly Trp Lys Phe Tyr Asp Ala Asp Asp Tyr His Pro Glu Glu
35 40 45

Asn Arg Arg Lys Met Gly Lys Gly Ile Pro Leu Asn Asp Gln Asp Arg
50 55 60

Ile Pro Trp Leu Cys Asn Leu His Asp Ile Leu Leu Arg Asp Val Ala
65 70 75 80

Ser Gly Gln Arg Val Val Leu Ala Cys Ser Ala Leu Lys Lys Thr Tyr
85 90 95

Arg Asp Ile Leu Thr Gln Gly Lys Asp Gly Val Ala Leu Lys Cys Glu
100 105 110

Glu Ser Gly Lys Glu Ala Lys Gln Ala Glu Met Gln Leu Leu Val Val
115 120 125

His Leu Ser Gly Ser Phe Glu Val Ile Ser Gly Arg Leu Leu Lys Arg
130 135 140

Glu Gly His Phe Met Pro Pro Glu Leu Leu Gln Ser Gln Phe Glu Thr
145 150 155 160

Leu Glu Pro Pro Ala Ala Pro Glu Asn Phe Ile Gln Ile Ser Val Asp
165 170 175

Lys Asn Val Ser Glu Ile Ile Ala Thr Ile Met Glu Thr Leu Lys Met
180 185 190

Lys

<210> 4754
<211> 194
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (182)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4754
Gln Asp His Gly Ala Trp Leu Arg Gly Gly Asp Val Trp Leu Asp Ser
1 5 10 15

Cys Arg Phe Ala Asp Asn Gly Ile Gly Leu Thr Leu Ala Ser Gly Gly
20 25 30

Thr Phe Pro Tyr Asp Asp Gly Ser Lys Gln Glu Ile Lys Asn Ser Leu
35 40 45

Phe Val Gly Glu Ser Gly Asn Val Gly Thr Glu Met Met Asp Asn Arg
50 55 60

Ile Trp Gly Pro Gly Gly Leu Asp His Ser Gly Arg Thr Leu Pro Ile
65 70 75 80

Gly Gln Asn Phe Pro Ile Arg Gly Ile Gln Leu Tyr Asp Gly Pro Ile
85 90 95

Asn Ile Gln Asn Cys Thr Phe Arg Lys Phe Val Ala Leu Glu Gly Arg
100 105 110

His Thr Ser Ala Leu Ala Phe Arg Leu Asn Asn Ala Trp Gln Ser Cys
115 120 125

Pro His Asn Asn Val Thr Gly Ile Ala Phe Glu Asp Val Pro Ile Thr
130 135 140

Ser Arg Val Phe Phe Gly Glu Pro Gly Pro Trp Phe Asn Gln Leu Asp
145 150 155 160

Met Asp Gly Asp Lys Thr Ser Val Phe His Asp Val Asp Gly Ser Val
165 170 175

Ser Glu Tyr Pro Gly Xaa Tyr Leu Arg Arg Met Thr Thr Gly Trp Ser
180 185 190

Gly Thr

<210> 4755
<211> 500
<212> PRT
<213> Homo sapiens

<400> 4755
Ile Arg His Glu Lys Asp Arg Gly Pro Arg Arg Ser Val Ser Phe Pro
1 5 10 15

```
Arg Ala Leu Ser Gly Asn Met Ala Gly Val Glu Glu Val Ala Ala Ser
            20                  25                  30

Gly Ser His Leu Asn Gly Asp Leu Asp Pro Asp Asp Arg Glu Glu Gly
        35                  40                  45

Ala Ala Ser Thr Ala Glu Glu Ala Ala Lys Lys Lys Arg Arg Lys Lys
    50                  55                  60

Lys Lys Ser Lys Gly Pro Ser Ala Ala Gly Glu Gln Glu Pro Asp Lys
65                  70                  75                  80

Glu Ser Gly Ala Ser Val Asp Glu Val Ala Arg Gln Leu Glu Arg Ser
                85                  90                  95

Ala Leu Glu Asp Lys Glu Arg Asp Glu Asp Asp Glu Asp Gly Asp Gly
            100                 105                 110

Asp Gly Asp Gly Ala Thr Gly Lys Lys Lys Lys Lys Lys Lys Lys Lys
        115                 120                 125

Arg Gly Pro Lys Val Gln Thr Asp Pro Pro Ser Val Pro Ile Cys Asp
    130                 135                 140

Leu Tyr Pro Asn Gly Val Phe Pro Lys Gly Gln Glu Cys Glu Tyr Pro
145                 150                 155                 160

Pro Thr Gln Asp Gly Arg Thr Ala Ala Trp Arg Thr Thr Ser Glu Glu
                165                 170                 175

Lys Lys Ala Leu Asp Gln Ala Ser Glu Glu Ile Trp Asn Asp Phe Arg
            180                 185                 190

Glu Ala Ala Glu Ala His Arg Gln Val Arg Lys Tyr Val Met Ser Trp
        195                 200                 205

Ile Lys Pro Gly Met Thr Met Ile Glu Ile Cys Glu Lys Leu Glu Asp
    210                 215                 220

Cys Ser Arg Lys Leu Ile Lys Glu Asn Gly Leu Asn Ala Gly Leu Ala
225                 230                 235                 240

Phe Pro Thr Gly Cys Ser Leu Asn Asn Cys Ala Ala His Tyr Thr Pro
                245                 250                 255

Asn Ala Gly Asp Thr Thr Val Leu Gln Tyr Asp Asp Ile Cys Lys Ile
            260                 265                 270

Asp Phe Gly Thr His Ile Ser Gly Arg Ile Ile Asp Cys Ala Phe Thr
        275                 280                 285
```

BNSDOCID: <WO_ _ 0122920A2 I_>

```
Val Thr Phe Asn Pro Lys Tyr Asp Thr Leu Leu Lys Ala Val Lys Asp
    290                 295                 300

Ala Thr Asn Thr Gly Ile Lys Cys Ala Gly Ile Asp Val Arg Leu Cys
305                 310                 315                 320

Asp Val Gly Glu Ala Ile Gln Glu Val Met Glu Ser Tyr Glu Val Glu
                325                 330                 335

Ile Asp Gly Lys Thr Tyr Gln Val Lys Pro Ile Arg Asn Leu Asn Gly
            340                 345                 350

His Ser Ile Gly Gln Tyr Arg Ile His Ala Gly Lys Thr Val Pro Ile
        355                 360                 365

Val Lys Gly Gly Glu Ala Thr Arg Met Glu Glu Gly Glu Val Tyr Ala
    370                 375                 380

Ile Glu Thr Phe Gly Ser Thr Gly Lys Gly Val Val His Asp Asp Met
385                 390                 395                 400

Glu Cys Ser His Tyr Met Lys Asn Phe Asp Val Gly His Val Pro Ile
                405                 410                 415

Arg Leu Pro Arg Thr Lys His Leu Leu Asn Val Ile Asn Glu Asn Phe
            420                 425                 430

Gly Thr Leu Ala Phe Cys Arg Arg Trp Leu Asp Arg Leu Gly Glu Ser
        435                 440                 445

Lys Tyr Leu Met Ala Leu Lys Asn Leu Cys Asp Leu Gly Ile Val Asp
    450                 455                 460

Pro Tyr Pro Pro Leu Cys Asp Ile Lys Gly Ser Tyr Thr Ala Gln Phe
465                 470                 475                 480

Glu His Thr Ile Leu Leu Arg Pro Thr Cys Lys Glu Val Val Ser Arg
                485                 490                 495

Gly Asp Asp Tyr
            500
```

<210> 4756
<211> 76
<212> PRT
<213> Homo sapiens

<400> 4756

```
Ala Leu Ala Ile Ala Glu Lys Ser Gln Glu Phe Leu Glu Ala Asp Asn
  1               5                  10                  15

Arg Gln Leu Pro Asn Gly Val Tyr Thr Thr Ala Glu Gln Arg Pro Asn
            20                  25                  30

Ala Tyr Ile Pro Glu Ala Asp Ala Thr Leu Pro Leu Pro Lys Pro Tyr
         35                  40                  45

Gly Ala Leu Ala Pro Phe Lys Pro Ser Glu Pro Gly Ala Asn Met Arg
      50                  55                  60

His Ile Arg Lys Pro Val Ile Lys Pro Val Glu Ile
 65                  70                  75
```

<210> 4757
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4757

```
Met Ala Tyr Thr Ile Pro Val Ile Ile Val Gly Gly Cys Trp Phe Ala
  1               5                  10                  15

Trp Arg His Gln Ser Ser Asp Glu Xaa Ile Asp Tyr Phe Ala Val Ser
            20                  25                  30

Leu Arg Ile Ile Gly Val Leu Ala Leu Ile Leu Thr Ser Cys Gly Leu
         35                  40                  45
```

BNSDOCID: <WO__ 0122920A2 I. >

```
Ala Ala Ile Asn Ala Asp Xaa Ile Trp Tyr Phe Ala Ser Gly Gly Val
     50                  55                  60

Xaa Gly Ser Leu Leu Ser Thr Xaa Leu Gln Pro Leu Leu His Ser Ser
 65                  70                  75                  80

Gly Gly Thr Ile Ala Leu Leu Cys Val Trp Ala Ala Gly Leu Thr Leu
                 85                  90                  95

Phe Thr Gly Trp Ser Trp Val Thr Leu Leu Lys Asn Ser Ala Ala Gly
            100                 105                 110

Phe
```

<210> 4758
<211> 111
<212> PRT
<213> Homo sapiens

<400> 4758

```
Thr Ile Cys Val Val Arg Gly Ala Thr Ala Ile Ser Ala Glu Leu Gly
  1               5                  10                  15

Gly Ile Ser Thr Thr Phe Leu Ser Ala Glu Ala Phe Pro Pro Thr Leu
            20                  25                  30

Met Leu Phe Asn Ser Val Leu Arg Gln Pro Gln Leu Gly Val Leu Arg
        35                  40                  45

Asn Gly Trp Ser Ser Gln Tyr Pro Leu Gln Ser Leu Leu Thr Gly Tyr
     50                  55                  60

Gln Cys Ser Gly Asn Asp Glu His Thr Ser Tyr Gly Glu Thr Gly Val
 65                  70                  75                  80

Pro Val Pro Pro Phe Gly Cys Thr Phe Ser Ser Ala Pro Asn Met Glu
                 85                  90                  95

His Val Leu Ala Val Ala Asn Glu Glu Gly Phe Cys Ser Ile Val
            100                 105                 110
```

<210> 4759
<211> 157
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2_I_>

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4759
Ala Gly Glu Arg Asp Gln Gly Arg Arg Arg Gly Glu Ser Arg Glu Gly
1 5 10 15

Trp Ser Phe Gly Glu Ser Leu Trp Lys Met Ala Pro Val Val Thr Gly
20 25 30

Lys Phe Gly Glu Arg Pro Pro Pro Lys Arg Leu Thr Arg Glu Ala Met
35 40 45

Arg Asn Tyr Leu Lys Glu Arg Gly Asp Gln Thr Val Leu Ile Leu His
50 55 60

Ala Lys Val Ala Gln Lys Ser Tyr Gly Asn Glu Lys Arg Phe Phe Cys
65 70 75 80

Pro Pro Pro Cys Val Tyr Leu Met Gly Ser Gly Trp Lys Lys Lys Lys
85 90 95

Glu Gln Met Glu Arg Asp Gly Cys Ser Glu Gln Glu Ser Gln Pro Cys
100 105 110

Ala Phe Ile Gly Xaa Gly Asn Ser Asp Gln Glu Met Gln Gln Leu Asn
115 120 125

Leu Gly Arg Lys Xaa Leu Leu His Ser Gln Thr Leu Tyr Ile Ser Xaa
130 135 140

Ser Ala Ser Glu Asp Phe His Val Val Cys Lys Val Phe
145 150 155

<210> 4760
<211> 60

<212> PRT
<213> Homo sapiens

<400> 4760
Leu Arg Met Cys Glu Lys Leu Thr Glu Pro Asp Ala Cys Cys Tyr Phe
1 5 10 15

Thr Ala Met Ser Leu Phe Leu Ser Thr Leu Lys Ile Phe Phe Leu Phe
20 25 30

Asn Val Val Tyr Phe Gly Leu Arg Asn Asn Cys Ser Val Glu Asn Asn
35 40 45

Pro Leu Ser Glu Lys Lys Val Ala Thr Thr Ser Phe
50 55 60

<210> 4761
<211> 460
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (303)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (305)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (436)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (442)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (444)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (447)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (448)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4761

```
Leu Asp Ala Pro Leu Asp Thr Phe Asn Gly Asn Arg Phe Ala Leu Arg
  1               5                  10                  15

Leu Thr Ala Ile Phe Leu Gln Pro Leu Gly Lys Leu Val Val Arg Ala
             20                  25                  30

Leu His Gly Pro Trp Asn Thr Asp Ser Pro Asp Asn Leu Glu Glu Val
         35                  40                  45

Lys Phe Leu Leu His Met Trp Val Ala Leu Phe Tyr Ser Asn Gln Asn
     50                  55                  60

Lys Ile Ile Arg Ser Ser Arg Lys Val Val Glu His Ser Asn Pro Ala
 65                  70                  75                  80

Lys Tyr Val Ser Ile Asn Ser Thr Leu Glu Ser Cys Glu Leu Arg Glu
                 85                  90                  95

Ile Glu Glu Ser Leu Gly Leu Glu Lys Cys Ser Ala Asp Ser Leu Leu
            100                 105                 110

Glu Thr Asn Glu Ile Ser Arg Ala His Ala Ala Glu Val Ser Phe Arg
        115                 120                 125

Asp Pro Asn Cys Leu Leu Pro Phe Ile Lys Thr Pro Leu Thr Gln Gly
    130                 135                 140

Leu Glu Leu Cys Val Gln Asn Glu Gln Lys Lys Thr Phe Ala Arg Glu
145                 150                 155                 160

Cys Asp Pro Asp Thr Gln Glu Asp Gln Asn Phe Ile Cys Ser Tyr Asn
                165                 170                 175

Asn Glu Val Thr Gly Glu Glu Ala Lys Gln Glu Ser Leu Glu Thr Ser
            180                 185                 190

Asn Leu Val Leu Ser Gly Ile Gly Ser Thr Gln Thr Asn Gly Pro Ser
        195                 200                 205

Val Pro Ser Glu Glu Glu Ile Val Gln Pro Leu Asp Ser Thr Arg Val
    210                 215                 220

Ala Ser Tyr Ser Gly Thr Val Thr Gln Ala Thr Phe Thr Arg Thr Tyr
```

225 230 235 240

Asp Gly Pro Gly Ser Gln Pro Val Ile Cys Gln Ser Ser Val Tyr Gly
245 250 255

Thr Leu Glu Asn Lys Val Asp Ile Leu Asp Ala Ala Val Gln Thr Lys
260 265 270

Thr Gly Thr Leu Gln Asp Leu Ile Gln His Gly Ser Pro Ile Asn Asn
275 280 285

Glu Cys His Pro Ser Leu Glu Arg Lys Asp Asp Asn Met Gly Xaa Ala
290 295 300

Xaa Ile Asn Pro Glu Pro Ile Thr Leu Thr Phe Glu Lys Asn Ala His
305 310 315 320

Val Pro Ile Gln Thr Glu Gly Val Asn Thr Ala Asp Glu Pro Thr Thr
325 330 335

Phe Lys Lys Glu Leu Ile Lys Gln Val Ser Pro Ala Ala Ser Leu Arg
340 345 350

His Pro Val Ser Thr Ser Glu Asn Ala Arg Thr Gln Gly Leu Arg Asp
355 360 365

Ile Pro Ser Leu Val Val Ala Gly Gln Lys Gly Thr Lys Tyr Leu Cys
370 375 380

Ala Ser Ser Val Gly Gly Glu Thr Leu Asp Lys Ala Val Cys Ser Leu
385 390 395 400

Gln Lys Glu Thr Pro Leu Pro Val Ser Leu Pro Ser Asp Lys Thr Met
405 410 415

Val Met Glu Ala Leu Ser Leu Ala Lys Ser Ser Ser His Leu Ser Pro
420 425 430

Ser Glu Glu Xaa Arg Cys Thr Gln Asp Xaa Leu Xaa Gln Thr Xaa Xaa
435 440 445

Leu Leu Gly Leu Ser Leu Glu Arg Leu Leu Arg Thr
450 455 460

<210> 4762
<211> 72
<212> PRT
<213> Homo sapiens

<400> 4762
Ala Ser Asp Pro Thr Leu Val Leu Ala Pro Gln Gln Trp Leu Pro Leu
1 5 10 15

Thr Leu Ser Arg Arg Trp Leu Gly Gly Gly Tyr Leu Trp Val Ala Gly
20 25 30

Lys Gly Val Gly Arg Phe Arg Met Val Gly Gly Thr Glu Val Pro Glu
35 40 45

Val Lys Arg Pro Leu Val Leu Thr Gly Leu Thr Arg Ala Trp Thr Leu
50 55 60

Gly Ala Val Leu Cys Glu Leu Ala
65 70

<210> 4763
<211> 135
<212> PRT
<213> Homo sapiens

<400> 4763
Trp Glu Pro Thr Phe Phe Gly Phe Ser Gly Glu His Asn Ser Lys His
1 5 10 15

Pro Leu Gly Ser His Met Tyr Arg Asn Gly Thr Gln Leu Gly His Ser
20 25 30

His Gly Leu Pro Arg Pro Gly Met Cys Gly Ala Lys Trp Gly Gln Gly
35 40 45

Pro Asp Pro Arg Gly Glu Gly Gly Pro Gln Thr Pro Arg Asp Val Ser
50 55 60

Ile Pro Arg Pro Ala Phe Trp Arg His Leu Pro Gly Ala Val Leu Ser
65 70 75 80

Gln Gln Ala Trp Gly Glu Ser Leu Val Tyr Ala Gly Asn Arg Val Gln
85 90 95

Gly Pro Ser Val Pro Pro Ser Ala Leu Thr Trp Ala Met His Pro Leu
100 105 110

Ser Pro Lys His Lys Gln Ala Leu Leu Gln Tyr Gly Ala Arg Thr Gly
115 120 125

Val Pro Ser Val Leu Trp Leu
130 135

BNSDOCID: <WO _ 0122920A2 I >

<210> 4764
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4764
His Lys Cys Phe Gln Cys Phe Ile Leu Ala Asn Gly Phe Leu Lys Val
1 5 10 15

Ile Lys Pro Phe Gln Arg Asn Trp Ser Asp Lys Thr Phe Phe Leu Val
20 25 30

Cys Leu Asn Lys Ala Ile Ser Glu Ala Leu Leu Ser Lys Met Thr Phe
35 40 45

Leu Ser Phe Phe Lys Thr Asn Leu Leu Leu Leu Glu Thr Phe Cys Thr
50 55 60

Ile Lys Gln Ser Arg Arg Leu Lys Lys Lys Lys Lys Lys Lys Lys Lys
65 70 75 80

Lys Arg Ala Ala Ala Leu Glu Asp Pro Ser Leu Arg Thr Arg Ala Cys
85 90 95

Asp Val Ile Ala Leu Leu Leu Arg Xaa Pro
100 105

<210> 4765
<211> 287
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (286)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4765

```
Ile Arg His Glu Val Cys Arg Val Leu Pro Ala Pro Xaa Leu Ile Gly
  1               5                  10                  15

Ala Met Asp Trp Lys Thr Leu Gln Ala Leu Leu Ser Gly Val Asn Lys
             20                  25                  30

Tyr Ser Thr Ala Phe Gly Arg Ile Trp Leu Ser Val Val Phe Val Phe
         35                  40                  45

Arg Val Leu Val Tyr Val Val Ala Ala Glu Arg Val Trp Gly Asp Glu
     50                  55                  60

Gln Lys Asp Phe Asp Cys Asn Thr Lys Gln Pro Gly Cys Thr Asn Val
 65                  70                  75                  80

Cys Tyr Asp Asn Tyr Phe Pro Ile Ser Asn Ile Arg Leu Trp Ala Leu
                 85                  90                  95

Gln Leu Ile Phe Val Thr Cys Pro Ser Leu Leu Val Ile Leu His Val
            100                 105                 110

Ala Tyr Arg Glu Glu Arg Glu Arg Arg His Arg Gln Lys His Gly Asp
        115                 120                 125

Gln Cys Ala Lys Leu Tyr Asp Asn Ala Gly Xaa Lys His Gly Gly Leu
    130                 135                 140

Trp Trp Thr Tyr Leu Phe Ser Leu Ile Phe Lys Leu Ile Ile Glu Phe
145                 150                 155                 160

Leu Phe Leu Tyr Leu Leu His Thr Leu Trp His Gly Phe Asn Met Pro
                165                 170                 175

Arg Leu Val Gln Cys Ala Asn Val Ala Pro Cys Pro Asn Ile Val Asp
            180                 185                 190

Cys Tyr Ile Ala Arg Pro Thr Glu Lys Lys Ile Phe Thr Tyr Phe Met
        195                 200                 205

Val Gly Ala Ser Ala Val Cys Ile Val Leu Thr Ile Cys Glu Leu Cys
    210                 215                 220

Tyr Leu Ile Cys His Arg Val Leu Arg Gly Leu His Lys Asp Lys Pro
225                 230                 235                 240
```

```
Arg Gly Gly Cys Ser Pro Ser Ser Ser Ala Ser Arg Ala Ser Thr Cys
                245                 250                 255

Arg Cys His His Lys Leu Val Glu Ala Gly Glu Val Asp Pro Asp Pro
            260                 265                 270

Gly Asn Asn Lys Leu Gln Ala Ser Ala Pro Asn Leu Thr Xaa Ile
        275                 280                 285
```

<210> 4766
<211> 90
<212> PRT
<213> Homo sapiens

<400> 4766

```
Cys Thr Pro Phe Leu Tyr Thr Glu Cys Gly Leu Leu Ser Glu Ile Gly
  1               5                  10                  15

Ser Phe Met Val Leu Glu Pro Pro Leu Tyr Ser Cys Leu Lys Phe Pro
             20                  25                  30

Ile Val Thr Glu Asn Ile Gly Cys Lys Ala Pro Gln Ser Pro Gln Val
         35                  40                  45

Pro Ser Val Ser Leu Asn Val Leu Val Pro Ser Arg Lys Ala Ser Ala
     50                  55                  60

Ser Ala Pro Phe Pro Pro Val Pro Ser Pro Arg Ile Met Asn Gly Tyr
 65                  70                  75                  80

Cys Thr Val Lys Thr Val Val Ser Phe His
                 85                  90
```

<210> 4767
<211> 121
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4767

```
Xaa Ser Gly Gln Lys Pro Gly Val Leu Ile Leu Pro Ser Val Ser Val
  1               5                  10                  15
```

BNSDOCID: <WO__ 0122920A2 I >

```
Leu Gly Ser Gly Phe Cys Arg His Pro Leu Thr Ser Ala Glu Leu Leu
            20                  25                  30

Gly Leu Leu Pro Ala His His Ile Ala Tyr Leu Gln Cys Gln Ser Leu
        35                  40                  45

Thr Val Thr Leu Ser Ala Leu Val Ser Leu Ala Glu Pro Arg Cys Pro
    50                  55                  60

Cys Ser Arg Gly Gln Lys Ala Cys Thr Trp Ala Lys Gly Pro Lys Val
65                  70                  75                  80

His Trp Thr Val Gly Lys Thr Pro Asp His His Leu Arg Thr Leu Ser
                85                  90                  95

Gln Asn Gly Lys Phe Thr Arg Thr Pro Phe Leu Ser Leu Cys Glu Ser
            100                 105                 110

Pro Arg Glu Arg His Cys Thr Asp Ile
        115                 120
```

<210> 4768
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4768

```
Phe Arg Asp His Pro Cys Lys Phe Pro Lys Asp Phe Phe Asn Met Val
  1               5                  10                  15

Leu Leu Ile Gln Ser Gly Gln Leu Asn Leu Lys Ser Thr Pro Xaa Lys
            20                  25                  30

Pro Ser Gly Val Asp Asn Lys Ala His Lys Leu Arg Gln Phe Ser Phe
```

35 40 45

Leu Xaa Pro Phe Arg Xaa Gly Thr Thr Thr Gly Ser
50 55 60

<210> 4769
<211> 78
<212> PRT
<213> Homo sapiens

<400> 4769
Val Cys Asn Lys Ile Val Glu Ser Cys Met Ile Lys Ser Leu Leu Cys
1 5 10 15

Ser Glu Ile His Ser Asp Phe Leu Val Ser Pro Tyr Ile Ile Cys Ile
20 25 30

Leu Val Phe Phe Leu Thr Leu Leu Pro Leu Leu Pro Asn Arg Asp Leu
35 40 45

Asn Leu Ser Leu Phe Ser Ser Ser Arg Pro Gly Leu Val Pro Asp Ser
50 55 60

Ser Lys Asn Leu Asp Ser Lys Ala Tyr Phe Ile Val Cys Leu
65 70 75

<210> 4770
<211> 36
<212> PRT
<213> Homo sapiens

<400> 4770
Gln Ala Arg Ile His Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
1 5 10 15

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
20 25 30

Ser Ala Arg Asp
35

<210> 4771
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4771
Gly Ile Ser Phe Thr Leu Thr His Phe Ala Pro Leu Pro Phe Cys Tyr
1 5 10 15

Lys Tyr Tyr His Gly Met Lys Gln Lys Ala Cys Tyr Leu Pro Phe His
20 25 30

Asp His Phe Ala Asp Thr Val Ser Ala Thr Ser Lys Pro Ser Asn Ser
35 40 45

Met Asn Ser Arg Thr Asp Leu Asn Val Val Cys Val Gln Gly Ser Tyr
50 55 60

Xaa Asn Phe Leu Asn Leu Lys Cys His Gln Lys Thr Phe Cys Ser Leu
65 70 75 80

Leu Leu Leu Phe Phe Phe Phe
85

<210> 4772
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4772
Val Trp Leu Ala Leu Ser Val Val Gly Ser Val Tyr Thr Pro Pro Phe
1 5 10 15

Ser Ser Leu Gly Val Phe Phe Arg Asn Pro Lys Ala Thr Leu Arg Ala
20 25 30

Val Leu Thr Phe Leu Ser Thr Val Asp Tyr Pro Cys Leu Leu Gly Gly
35 40 45

Leu Xaa Met Gly Gln Arg Trp Arg Ser Pro Ser Gly
50 55 60

<210> 4773
<211> 62
<212> PRT
<213> Homo sapiens

<400> 4773
Lys Lys Lys Ser Phe Ser Glu Gly Glu Lys Ile Val Trp Val Trp Pro
1 5 10 15

Leu His Ile Leu Ala Asn Tyr Val Ala Ile Phe Met Ala Ser Val Ile
20 25 30

Lys Thr Leu Leu Leu Gly Ser Arg Ala Val Val Leu Asp Ser Leu His
35 40 45

Ser Ala His Leu Leu Lys Ser His Glu Ser Ser Leu Glu Ser
50 55 60

<210> 4774
<211> 87
<212> PRT
<213> Homo sapiens

<400> 4774
Thr Ala Gln Gly Ile Gly Cys Thr Lys Leu Val Leu Lys Leu Leu Leu
1 5 10 15

Gly Ser Pro Gly Ala His Val Ser His Leu Leu Pro Ile His Ile Ser
20 25 30

Ala His Leu Ala Glu Ala Phe Pro Asp Leu Thr Ser Asp Asn Val His
35 40 45

Val Met Asn Thr Pro Lys Trp Leu Gly Leu Leu His Leu Ser Arg Trp
50 55 60

Ile Leu Pro Gln His Trp Gly Phe Leu Trp Ala Val His His Gly Tyr
65 70 75 80

Ile Ser Gly Phe Gln Asp Cys
85

<210> 4775
<211> 70
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2 I >

<400> 4775
Ala Lys Cys Met Leu Lys His Val Phe Thr Ser Val Lys Ser Phe Val
1 5 10 15

Asp Leu Leu Glu Met Lys Gly Phe Tyr Leu Asp Thr Val Ser Tyr Thr
20 25 30

Ser Leu Thr Ile Ile Phe Val Ile Val Val Phe Cys Lys Gln Lys Cys
35 40 45

Leu Trp Ala Ser Cys Arg Leu Lys Ile Val Gly Lys Asn Gly Leu Ser
50 55 60

Ser Gly Pro Phe Lys Gln
65 70

<210> 4776
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4776
Leu Asn Gln Met Ile Leu Thr Tyr Tyr Glu Gly Glu Glu Val Asn Ala
1 5 10 15

Gly Arg Ile Gly Leu Thr Leu Val Val Ala Gly Met Val Gly Ser Ile
20 25 30

Leu Cys Gly Leu Trp Leu Asp Tyr Thr Lys Thr Tyr Asn Phe Phe Met
35 40 45

Thr Gly Tyr Leu Pro Leu Gly Phe Glu Phe Ala Val Glu Ile Thr Tyr
50 55 60

```
Pro Glu Ser Glu Gly Thr Ser Ser Gly Leu Leu Asn Ala Ser Ala Gln
 65                  70                  75                  80

Ile Phe Gly Ile Leu Phe Thr Leu Ala Gln Gly Lys Leu Thr Ser Xaa
                 85                  90                  95

Tyr Gly Pro Lys Ala Gly Asn Ile Xaa Leu Cys Val Trp Met Phe Ile
            100                 105                 110

Xaa Ile Ile Leu Thr Ala Leu Ile Lys Ser Asp Leu Arg Asp Thr Thr
        115                 120                 125
```

<210> 4777
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4777

```
Thr Asn Asp Tyr Lys Val Ser Val Gly Leu Trp Phe Arg Gly Pro Ser
  1               5                  10                  15

Xaa Ser Phe Leu Phe Pro Leu Ala Leu Met Arg Glu Met Pro Ser Ser
            20                  25                  30

Val Trp Ile Phe Leu Gly Ala Leu Trp Arg Asn Gly Val Cys Val Leu
        35                  40                  45

Thr Glu Glu Ser Gln Lys Xaa Glu Thr Ile Phe Ile Tyr Cys His His
    50                  55                  60
```

Lys Tyr Ser Pro Pro Phe Lys Met Pro Val Tyr Thr Ala Ile Trp Glu
65 70 75 80

Thr Xaa Val Leu Glu Glu Ala Gly Ala Glu Gly Val Lys Thr Ser Ser
85 90 95

Val Gly

<210> 4778
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4778
Lys Gly Leu Phe Leu His Ile Tyr Ile Ile Tyr Val Tyr Ile Tyr Asn
1 5 10 15

Ile Tyr Met Xaa Ile Tyr Ile Ile Tyr Ile Tyr Tyr Ile Tyr Asn Ile
20 25 30

Tyr Ile Lys Tyr Ile Tyr Ile Cys Ser Pro Leu Ser Ala Ser Leu Ser
35 40 45

Gln Gly Xaa Ser Val Gly Xaa Cys Leu Gly Pro Ala Ser Leu Leu Thr
50 55 60

Ser Ser Ser Pro Leu Gly Thr Leu Ser Pro Tyr Ile Leu Ile Leu Asp
65 70 75 80

His Val Xaa Asn Cys Phe Trp Val Asn Val Asp Ile Ile Val Ile Ile
85 90 95

Ile Ile Asn

<210> 4779
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4779
Gly Phe Lys Ile Gly Arg Lys Cys Ser Ser Gly Lys Met Cys Ala Val
1 5 10 15

Gln Lys Thr His Lys Phe Phe Arg Lys Gln Leu Gly Pro Val Xaa Val
20 25 30

Asp Gln Ile Glu Ser Pro Arg Ile Leu Gly Ser Ser Xaa Leu Met Asn
35 40 45

Gly Phe Trp Leu Ile Leu Pro Val Leu Gln Phe Leu Leu Leu Cys Glu
50 55 60

Met Gly Asn Thr Leu Ser Ala Ser Leu Arg Cys His Gly Asn Lys Gln
65 70 75 80

Asn

<210> 4780
<211> 95
<212> PRT
<213> Homo sapiens

<400> 4780

```
Ser Thr Leu Arg Pro Ala Ala Gly Lys Glu Trp Glu Gln Trp Leu Ser
 1               5                  10                  15

Ala Ile Arg Ser Gly Ser Met Gly Gln Trp Leu Asp Phe Cys Pro Arg
            20                  25                  30

Pro Glu Glu Cys Ala Val Leu Ala Ser Val Ser Pro Pro Val Ala Leu
        35                  40                  45

Val Gln Glu Pro Thr Val Gly Cys Ser Leu Pro Gly Pro Leu Leu Leu
    50                  55                  60

Trp Ile Leu Pro Thr Pro Ser Cys Ser Trp Gly Arg Pro Phe Ser Gln
65                  70                  75                  80

Arg Ser Leu Asn Lys Pro Lys Asn Pro Gln Lys Lys Lys Lys Lys
                85                  90                  95
```

<210> 4781
<211> 51
<212> PRT
<213> Homo sapiens

<400> 4781

```
Phe Ile Cys Thr Thr Phe Phe Arg Val Ala Ala Arg Thr Asn Leu Cys
 1               5                  10                  15

Ala Leu Lys Cys Tyr Leu Leu Leu Ser Val Pro Lys Tyr Arg Glu Ile
            20                  25                  30

Met Leu Gln Ile Ser Leu Leu Leu Asn Ile Met Leu Pro Asp Ala Phe
        35                  40                  45

Ser Arg His
    50
```

<210> 4782
<211> 455
<212> PRT
<213> Homo sapiens

<400> 4782

```
Ser Asp Leu Leu Phe Leu Asn Tyr Arg Gln Leu Phe Gly Glu Glu Asp
 1               5                  10                  15

Ala Asp Gln Glu Val Ser Pro Asp Arg Ala Asp Pro Glu Ala Ala Trp
            20                  25                  30
```

BNSDOCID: <WO___0122920A2_I_>

```
Glu Pro Thr Glu Ala Glu Ala Arg Ala Arg Ala Ser Asn Glu Asp Gly
         35                  40                  45

Asp Ile Lys Arg Ile Ser Thr Lys Glu Trp Ala Lys Ser Thr Gly Tyr
     50                  55                  60

Asp Pro Val Lys Leu Phe Thr Lys Leu Phe Lys Asp Asp Ile Arg Tyr
 65                  70                  75                  80

Leu Leu Thr Met Asp Lys Leu Trp Arg Lys Arg Lys Pro Pro Val Pro
                 85                  90                  95

Leu Asp Trp Ala Glu Val Gln Ser Gln Gly Glu Glu Thr Asn Ala Ser
            100                 105                 110

Asp Gln Gln Asn Glu Pro Gln Leu Gly Leu Lys Asp Gln Gln Val Leu
        115                 120                 125

Asp Val Lys Ser Tyr Ala Arg Leu Phe Ser Lys Ser Ile Glu Thr Leu
    130                 135                 140

Arg Val His Leu Ala Glu Lys Gly Asp Gly Ala Glu Leu Ile Trp Asp
145                 150                 155                 160

Lys Asp Asp Pro Ser Ala Met Asp Phe Val Thr Ser Ala Ala Asn Leu
                165                 170                 175

Arg Met His Ile Phe Ser Met Asn Met Lys Ser Arg Phe Asp Ile Lys
            180                 185                 190

Ser Met Ala Gly Asn Ile Ile Pro Ala Ile Ala Thr Thr Asn Ala Val
        195                 200                 205

Ile Ala Gly Leu Ile Val Leu Glu Gly Leu Lys Ile Leu Ser Gly Lys
    210                 215                 220

Ile Asp Gln Cys Arg Thr Ile Phe Leu Asn Lys Gln Pro Asn Pro Arg
225                 230                 235                 240

Lys Lys Leu Leu Val Pro Cys Ala Leu Asp Pro Pro Asn Pro Asn Cys
                245                 250                 255

Tyr Val Cys Ala Ser Lys Pro Glu Val Thr Val Arg Leu Asn Val His
            260                 265                 270

Lys Val Thr Val Leu Thr Leu Gln Asp Lys Ile Val Lys Glu Lys Phe
        275                 280                 285

Ala Met Val Ala Pro Asp Val Gln Ile Glu Asp Gly Lys Gly Thr Ile
    290                 295                 300
```

BNSDOCID: <WO__0122920A2_I_>

```
Leu Ile Ser Ser Glu Glu Gly Glu Thr Glu Ala Asn Asn His Lys Lys
305                 310                 315                 320

Leu Ser Glu Phe Gly Ile Arg Asn Gly Ser Arg Leu Gln Ala Asp Asp
                325                 330                 335

Phe Leu Gln Asp Tyr Thr Leu Leu Ile Asn Ile Leu His Ser Glu Asp
            340                 345                 350

Leu Gly Lys Asp Val Glu Phe Glu Val Val Gly Asp Ala Pro Glu Lys
        355                 360                 365

Val Gly Pro Lys Gln Ala Glu Asp Ala Ala Lys Ser Ile Thr Asn Gly
    370                 375                 380

Ser Asp Asp Gly Ala Gln Pro Ser Thr Ser Thr Ala Gln Glu Gln Asp
385                 390                 395                 400

Asp Val Leu Ile Val Asp Ser Asp Glu Glu Asp Ser Ser Asn Asn Ala
                405                 410                 415

Asp Val Ser Glu Glu Glu Arg Ser Arg Lys Arg Lys Leu Asp Glu Lys
            420                 425                 430

Glu Asn Leu Ser Ala Lys Arg Ser Arg Ile Glu Gln Lys Glu Glu Leu
        435                 440                 445

Asp Asp Val Ile Ala Leu Asp
    450                 455
```

<210> 4783
<211> 78
<212> PRT
<213> Homo sapiens

<400> 4783

```
Lys His Arg Tyr Leu Val Leu Thr Gly Cys Ala Trp Leu Thr Gln Val
  1               5                  10                  15

His Leu Pro His Gly Lys Ser Ser Ser Lys Pro Leu His Asp Leu Trp
            20                  25                  30

Gly Ala Gly Ser Gln Phe Val Ala Cys Asp Leu Pro Gln Pro Gln Lys
        35                  40                  45

Ile Arg Asp His Glu Ala Pro Pro Pro Pro Gly Ser Gly Asn Leu Ile
    50                  55                  60
```

```
His Ile Ala Arg Ala Leu Pro Val Arg Leu Trp Met Leu Thr
 65                  70                  75
```

<210> 4784
<211> 102
<212> PRT
<213> Homo sapiens

<400> 4784

```
Pro Ser Ser Pro Arg His Ile Ser Pro Arg Met Asn Ala Val Leu Ser
  1               5                  10                  15

Ala His Val Cys Val Glu Ala Ala Lys Val Gly Glu Leu Trp Ser Cys
             20                  25                  30

Pro Asp Pro Phe Gly Ile Ala Gly Pro Ser Ser His Trp Arg Ala Gly
         35                  40                  45

Val Gln Leu Thr Leu Gly Lys Glu Thr Ser Cys Leu Arg Val Ile Ser
     50                  55                  60

Cys Glu Cys Lys Ala Trp Gly Ser Gly Ser Leu Gly Gly Lys Glu Pro
 65                  70                  75                  80

Val Arg Gly Leu Phe Pro Leu Ile Glu Leu Pro Arg Arg Ala Ser Ala
                 85                  90                  95

Met Pro Glu Thr Gln Thr
            100
```

<210> 4785
<211> 87
<212> PRT
<213> Homo sapiens

<400> 4785

```
Glu Ile Pro Leu Leu Cys Phe Ala Ser Glu Ser Ser His Pro His Pro
  1               5                  10                  15

Gln Asn Cys Gly Ala Trp Trp Ala Leu Thr Ser Thr Pro Leu Leu Phe
             20                  25                  30

Ser Phe Ile Thr Phe Asp Leu Leu Lys Thr Ser Glu Arg Met Ser Val
         35                  40                  45

Lys Phe Phe Ser Pro Ser Ser Ser Leu Ser Ser Leu Lys Gly Arg Asp
     50                  55                  60
```

Cys Ala Asn Thr Lys Gln Tyr Ser Phe Val Ser Ala Asn Ala Ser Val
65 70 75 80

Asp Ile Pro Ile Gly Ile Lys
85

<210> 4786
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4786
His Lys Glu Phe Xaa Arg Val Ser Gly Lys Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys Lys Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
20 25 30

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
35 40 45

Val Val Leu Gln Arg Arg Asp Trp Xaa Asn Pro Gly Val Thr Gln Leu
50 55 60

<210> 4787
<211> 56
<212> PRT
<213> Homo sapiens

<400> 4787
Asp Thr Val Leu Lys Lys Ile Lys Asn Cys Lys Lys Met Lys Lys Lys
1 5 10 15

```
Val Leu Ser Ile Ile Cys Ile Ile Gly Ile His Met Ser Leu His Lys
            20                  25                  30

Met Phe Asn Leu Lys Glu Ile Pro Leu Ile Leu Tyr Val Leu Leu Ser
        35                  40                  45

Val Val Cys Phe Ser Phe Ser Tyr
    50                  55
```

<210> 4788
<211> 274
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4788

```
Thr Cys His Cys Leu Pro Pro Pro Pro Ala Arg Ala Met Thr Xaa Xaa
  1               5                  10                  15

Val Pro Arg Leu Ser Val Pro Ala Ala Leu Ala Leu Gly Ser Ala Ala
            20                  25                  30

Leu Gly Ala Ala Phe Ala Thr Gly Leu Phe Leu Gly Arg Arg Cys Pro
        35                  40                  45

Pro Trp Arg Gly Arg Arg Glu Gln Cys Leu Leu Pro Pro Glu Asp Xaa
    50                  55                  60

Arg Leu Trp Gln Tyr Leu Leu Ser Arg Ser Met Arg Glu His Pro Ala
65                  70                  75                  80

Leu Arg Ser Leu Arg Leu Leu Thr Leu Glu Gln Pro Gln Gly Asp Ser
                85                  90                  95

Met Met Thr Cys Glu Gln Ala Gln Leu Leu Ala Asn Leu Ala Arg Leu
```

100 105 110

Ile Gln Ala Lys Lys Ala Leu Asp Leu Gly Thr Phe Thr Gly Tyr Ser
115 120 125

Ala Leu Ala Leu Ala Leu Ala Leu Pro Ala Asp Gly Arg Val Val Thr
130 135 140

Cys Glu Val Asp Ala Gln Pro Pro Glu Leu Gly Arg Pro Leu Trp Arg
145 150 155 160

Gln Ala Glu Ala Glu His Lys Ile Asp Leu Arg Leu Lys Pro Ala Leu
165 170 175

Glu Thr Leu Asp Glu Leu Leu Ala Ala Gly Glu Ala Gly Thr Phe Asp
180 185 190

Val Ala Val Val Asp Ala Asp Lys Glu Asn Cys Ser Ala Tyr Tyr Glu
195 200 205

Arg Cys Leu Gln Leu Leu Arg Pro Gly Gly Ile Leu Ala Val Leu Arg
210 215 220

Val Leu Trp Arg Gly Lys Val Leu Gln Pro Pro Lys Gly Asp Val Ala
225 230 235 240

Ala Glu Cys Val Arg Asn Leu Asn Glu Arg Ile Arg Arg Asp Val Arg
245 250 255

Val Tyr Ile Ser Leu Leu Pro Leu Gly Asp Gly Leu Thr Leu Ala Phe
260 265 270

Lys Ile

<210> 4789
<211> 177
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4789
Tyr Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro
1 5 10 15

```
Gly Ser Thr His Ala Ser Gly Ser Arg Phe Gln Ala Ser Ser Gln Leu
            20                  25                  30

Arg Ala Gly Ser Trp Arg Pro Arg Pro Leu Pro Pro Val Val Pro Ala
        35                  40                  45

Val Pro Asp Gly Ser Ala Met Ala Gln Pro Pro Pro Asp Val Glu Gly
    50                  55                  60

Asp Asp Cys Leu Pro Ala Tyr Arg His Leu Phe Cys Pro Asp Leu Leu
65                  70                  75                  80

Arg Asp Lys Val Ala Phe Ile Thr Gly Gly Gly Ser Gly Ile Gly Phe
                85                  90                  95

Arg Ile Ala Glu Ile Phe Met Arg His Gly Cys His Thr Val Ile Ala
            100                 105                 110

Ser Arg Ser Leu Pro Arg Val Leu Thr Ala Ala Arg Lys Leu Ala Gly
        115                 120                 125

Ala Thr Gly Arg Arg Cys Leu Pro Leu Ser Met Asp Val Arg Xaa Pro
    130                 135                 140

Pro Ala Val Met Ala Ala Val Asp Gln Ala Leu Lys Glu Phe Gly Arg
145                 150                 155                 160

Ile Asp Ile Leu Ile Asn Cys Ala Ala Gly Asn Phe Leu Cys Pro Ala
                165                 170                 175

Gly
```

<210> 4790
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4790

```
Xaa His Leu His Pro Leu Pro Phe Gln Ser Phe Ala Ser Pro Pro His
  1               5                  10                  15

Leu Ala Ile Lys Leu His Glu Asp Phe Ser Ser Ser Gly Ser Ala Trp
            20                  25                  30
```

Asn Leu Ser Tyr Ile Leu Pro Phe Pro Thr Cys Ser Leu Glu Cys Pro
35 40 45

Phe His Lys Tyr Ala Pro Thr Ala Gly Ser Ile Phe Phe Ser Phe Arg
50 55 60

His Leu
65

<210> 4791
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4791
Ala Ile Ser Xaa Val Arg Thr Ser Asn Ser Pro Ile Leu Ser Tyr Val
1 5 10 15

Xaa Ser Asn Lys Leu His His Leu Leu Thr Gly Phe Phe Ile Ser Val
20 25 30

Ile Ile Val Phe Ile Ser Arg Tyr Ser Ile Cys Leu Lys Asn Ile Cys
35 40 45

Met Ile Leu His Gly Phe Asn Ser Pro Asp Glu Tyr Xaa Ala Phe Asn
50 55 60

His Pro Ser Thr
65

<210> 4792

BNSDOCID: <WO _ 0122920A2 I_>

<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4792
Thr Xaa Phe Phe Leu Met Lys Cys Ile Val Phe Pro Leu Ala Leu Lys
1 5 10 15

Xaa His Ile Trp Cys Gln Ala Val Leu Leu Xaa Leu Thr Gly Glu Trp
20 25 30

Gln Leu Cys Leu Leu Ser Ala Ser Pro Ala Val Pro Ala Val Ser Gly
35 40 45

Thr Cys Ile Met Thr Arg Leu His Phe Pro Pro Ile Xaa Xaa Gln Arg
50 55 60

Phe Trp Glu Glu Glu Cys Asp Cys Met Ala Arg Ser Leu Gln Pro Gln
65 70 75 80

Ser Ala Ala Cys

<210> 4793

BNSDOCID: <WO_ 0122920A2 I >

<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4793

Gly Ser Val Leu His His Pro His Ala Thr Pro Thr Thr His Arg Cys
1 5 10 15

Thr Ala Thr Val Thr Gly Ala Ser Cys Leu Arg Met Gly Leu Arg Val
20 25 30

Ile Asn Phe Phe Lys Gly Tyr Ile Xaa Ile Ala Tyr Xaa Ile Gln Ile
35 40 45

Lys Gly Pro Glu Phe Xaa Ala Asn Cys Thr Tyr Leu Phe Ala Asn Leu
50 55 60

Xaa His His Arg Lys Pro Lys Asp Ser Xaa Cys Gly Gln Ser Phe Thr
65 70 75 80

Leu Gln Ser Leu Lys Tyr Phe Phe
85

<210> 4794

<211> 26
<212> PRT
<213> Homo sapiens

<400> 4794
Arg Ser Ser Leu Phe His Gln Ala Gly Val Gln Trp His Asp Leu Ser
1 5 10 15

Ser Leu Gln Ser Pro Pro Pro Gln Phe Lys
20 25

<210> 4795
<211> 404
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (310)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4795
Ile Asp Arg Glu Leu Ser Pro Glu Gly Pro Gly Lys Glu Lys Glu Leu
1 5 10 15

Pro Gly Gln Thr Leu His Trp Gly Pro Glu Ala Thr Glu Ala Ala Gly
20 25 30

Arg Gly Leu Gln Pro Leu Lys Leu Asp Tyr Arg Ala Leu Ala Ala Val
35 40 45

Pro Ser Ala Gly Ser Val Gln Arg Val Pro Ser Gly Ala Ala Gly Gly
50 55 60

Lys Met Ala Glu Ser Pro Cys Ser Pro Ser Gly Gln Gln Pro Pro Ser
65 70 75 80

Pro Pro Ser Pro Asp Glu Leu Pro Ala Asn Val Lys Gln Ala Tyr Arg
85 90 95

Ala Phe Ala Ala Val Pro Thr Ser His Pro Pro Glu Asp Ala Pro Ala
100 105 110

Gln Pro Pro Thr Pro Gly Pro Ala Ala Ser Pro Glu Gln Leu Ser Phe
115 120 125

Arg Glu Arg Gln Lys Tyr Phe Glu Leu Glu Val Arg Val Pro Gln Ala
130 135 140

Glu Gly Pro Pro Lys Arg Val Ser Leu Val Gly Ala Asp Asp Leu Arg
145 150 155 160

Lys Met Gln Glu Glu Glu Ala Arg Lys Leu Gln Gln Lys Arg Ala Gln
165 170 175

Met Leu Arg Glu Ala Ala Glu Ala Gly Ala Glu Ala Arg Leu Ala Leu
180 185 190

Asp Gly Glu Thr Leu Gly Glu Glu Glu Gln Glu Asp Glu Gln Pro Pro
195 200 205

Trp Ala Ser Pro Ser Pro Thr Ser Arg Gln Ser Pro Ala Ser Pro Pro
210 215 220

Pro Leu Gly Gly Gly Ala Pro Val Arg Thr Ala Lys Ala Glu Arg Arg
225 230 235 240

His Gln Glu Arg Leu Arg Val Gln Ser Pro Glu Pro Pro Ala Pro Glu
245 250 255

Arg Ala Leu Ser Pro Ala Glu Leu Arg Ala Leu Glu Ala Glu Lys Arg
260 265 270

Ala Leu Trp Arg Ala Ala Arg Met Lys Ser Leu Glu Gln Asp Ala Leu
275 280 285

Arg Ala Gln Met Val Leu Ser Arg Ser Gln Glu Gly Arg Gly Thr Arg
290 295 300

Gly Pro Leu Glu Arg Xaa Ala Glu Ala Pro Ser Pro Ala Pro Thr Pro
305 310 315 320

Ser Pro Thr Pro Val Glu Asp Leu Gly Pro Gln Thr Ser Thr Ser Pro
325 330 335

Gly Arg Leu Ser Pro Asp Phe Ala Glu Glu Leu Arg Ser Leu Glu Pro
340 345 350

Ser Pro Ser Pro Gly Pro Gln Glu Glu Asp Gly Glu Val Ala Leu Val
355 360 365

Leu Leu Gly Arg Pro Ser Pro Gly Ala Val Gly Pro Glu Asp Val Ala
370 375 380

Leu Cys Ser Ser Arg Arg Pro Val Arg Pro Gly Arg Arg Gly Leu Gly
385 390 395 400

Pro Val Pro Ser

<210> 4796
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4796
Gly Xaa Lys Ser Trp Ser Ser Thr Ala Val Ala Ala Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Val Cys Leu Phe Arg
20 25 30

Leu Lys Phe Phe Leu Lys Cys Leu Val Ile Pro Gly Phe Leu Leu Ile
35 40 45

Ile Lys Glu Lys Asn Ala Asp Ser Leu Asp Pro Gly Arg Ala Ser Leu
50 55 60

Pro Asp Cys Arg Leu Ala Ser Gly Ile His Gly Phe Pro Lys Cys
65 70 75

<210> 4797
<211> 97
<212> PRT
<213> Homo sapiens

<400> 4797
Pro Pro Pro Ser Leu Ser Phe Ser Ser Ser Val Phe Leu Leu Ser Ser
1 5 10 15

Phe Phe Pro Ser Pro Ser Ser Ile Ala Thr Phe Ser Pro Thr Arg Thr
20 25 30

Gln Ala Tyr Lys Arg Arg Phe Leu Met Leu Leu Cys Leu Leu Thr Pro
35 40 45

Leu Phe Ser Cys Phe Gln Gln Val Phe Leu Pro Pro Val Pro Gln Leu
50 55 60

Leu Leu Leu Leu Arg Arg Ser Asp Leu Pro Leu Met Val Ile Pro Ala
65 70 75 80

Pro Leu Arg Pro Thr Ser Ala Lys Lys Glu Lys Val Lys Gln Gln Gln
85 90 95

Gln

<210> 4798
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4798
Ala Ser Tyr Tyr Met Xaa Leu His Phe Pro Gln Trp Phe Val His Ser
1 5 10 15

Ser Ala Leu Gly Leu Val Leu Ala Pro Pro Phe Ser Ser Pro Gly Thr
20 25 30

Asp Pro Thr Phe Pro Cys Ile Tyr Cys Arg Leu Leu Asn Met Ile Met
35 40 45

Thr Arg Leu Ala Phe Ser Phe Ile Thr Cys Leu Cys Pro Asn Leu Lys
50 55 60

Glu Val Cys Leu Ile Leu Pro Glu Lys Asn Cys Asn Ser Arg His Ala
65 70 75 80

Gly Phe Val Gly Pro Ala Lys Leu Arg Gln
85 90

<210> 4799
<211> 52
<212> PRT
<213> Homo sapiens

<400> 4799
His Cys Tyr His Ser His Ala Lys His Trp Leu His Thr Cys Ser Leu
1 5 10 15

Phe Val Ile Asn Ile Lys Arg Leu Asp Leu Lys Pro Ser Ile Asn Glu
20 25 30

```
Arg Pro Phe Ile Trp His Ser Trp Asn Lys Thr Leu His Arg Tyr Gln
         35                  40                  45

Pro Leu His Ser
     50
```

<210> 4800
<211> 90
<212> PRT
<213> Homo sapiens

<400> 4800

```
Phe Val Gly Leu Thr Leu Pro Phe Ser Phe Ser Leu Glu Cys Leu Leu
  1               5                  10                  15

Gly Tyr Ala Leu Val Gly Leu Met Ser Phe Leu Gly Leu Gly Gly Val
             20                  25                  30

Cys Val Trp Leu Val Trp Gly Thr Phe Arg Gly Ser Ser Cys Thr Phe
         35                  40                  45

Pro Leu Leu Ser Val Cys Ser Ser Leu His Leu Leu Phe Val Cys Val
     50                  55                  60

His Phe Phe Ser Glu Gln Ser Phe Ser Leu Ala Thr Leu Ser Ser Leu
 65                  70                  75                  80

Thr Val Phe Leu Phe Ser Ser Ser Leu Arg
                 85                  90
```

<210> 4801
<211> 78
<212> PRT
<213> Homo sapiens

<400> 4801

```
Leu Lys Leu Lys Arg Arg Gln Gly Ser Ile Gln Ala Glu Pro Val Leu
  1               5                  10                  15

Val Gln Thr Lys Asn Leu Thr Gly Thr Met Glu Gly Ser Ser Ser Pro
             20                  25                  30

Leu Leu Thr Phe Tyr Val Met Glu Arg Leu Glu Leu Ile Lys Val Leu
         35                  40                  45

Pro Phe Phe Tyr Ser Pro Glu Tyr Gln Arg Gln Leu Lys Ser Ala Thr
     50                  55                  60
```

BNSDOCID: <WO__ 0122920A2_I >

Asn Asp Leu Pro Val Ser Cys Phe Ile Phe Val Ile Asp Phe
65 70 75

<210> 4802
<211> 46
<212> PRT
<213> Homo sapiens

<400> 4802
Val Pro Ala Thr Thr Pro Gly Gln Tyr Leu Tyr Phe Leu Trp Arg Arg
1 5 10 15

Gly Phe Ala Met Leu Ala Arg Leu Val Ser Asn Tyr Trp Ala Gln Val
20 25 30

Ile His Pro Pro Gln Pro Pro Lys Val Leu Arg Leu Gln Ala
35 40 45

<210> 4803
<211> 86
<212> PRT
<213> Homo sapiens

<400> 4803
Trp Val Pro Leu Leu Phe Ala Phe Ser Phe Ser Glu Asn Val Cys Val
1 5 10 15

Leu Pro Leu Phe Trp Leu His Leu Gln Asn Ile Ser Phe Val Pro Met
20 25 30

Tyr Met Cys Lys His Ala Ile Ala Cys Val Val Gly Val Leu Tyr Phe
35 40 45

Val Trp Glu Lys Asn Tyr Gln Asn Glu Glu Glu Asn Phe Pro Tyr Leu
50 55 60

Cys Thr Arg Phe Leu Cys Phe Phe Phe Glu Phe Ser Gly Val Asp Ile
65 70 75 80

Asn Leu Ile Pro Ser Trp
85

<210> 4804
<211> 71

<212> PRT
<213> Homo sapiens

<400> 4804
Leu Trp Gln Asn Leu Phe Trp His Asn His Ile Cys Ser Leu Tyr Lys
1 5 10 15

Ile Ser Phe Leu Cys Phe Arg Lys Asn Val Ser Tyr Tyr Ser Glu Ser
20 25 30

Cys Asp Ser Asp Ser Ser Trp Phe Gly Ala Gln Lys Phe Leu Asn Met
35 40 45

Ser Leu Leu Leu Val Lys His Arg Ile Cys Phe Leu Gln Lys Phe Ile
50 55 60

Phe Asn Glu Glu Tyr Leu Ser
65 70

<210> 4805
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4805
Ala Leu His Thr Cys Trp Tyr Leu Leu Ala Asn Cys Ala Ala Leu Thr
1 5 10 15

Cys His Leu Ser Leu Cys Pro Asn Thr Thr Thr Val Ala Thr Val Pro
20 25 30

Thr Thr Ile Pro Thr Val Thr Leu Val Ile Ala Tyr Ser Ala Thr Asn
35 40 45

```
Ser Pro Cys Gly Ser Thr Ser Met Leu Gly Leu Leu Ala Leu Pro Ser
     50                  55                  60

Met Ser Thr Tyr Met Ala Ala Ser Ala Tyr Thr Thr Xaa Leu Leu Thr
 65                  70                  75                  80

Phe Thr Leu Val Gly Thr Leu Asn Leu Ala Ile Val Arg Leu Leu Ser
                 85                  90                  95

Ser Asn Arg Leu Thr Cys Asn Asn Xaa Xaa
            100                 105
```

<210> 4806
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4806

```
Trp Asp Cys Arg His Pro Pro Ser Cys Pro Ala Lys Phe Cys Thr Phe
  1               5                  10                  15

Val Glu Met Glu Phe His His Val Gly Gln Ala Gly Leu Glu Leu Leu
             20                  25                  30

Thr Ser Gly Asp Leu Pro Thr Leu Ala Ser Gln Ser Ala Gly Ile Thr
         35                  40                  45

Gly Val Ser His His Ala Trp Thr Xaa Cys Cys Cys Cys Phe
     50                  55                  60
```

<210> 4807
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4807
Met Lys Glu Asp Leu Phe Ser Leu Arg Ser Val Cys Gly Val Ser Cys
1 5 10 15

Pro Gly Leu Leu Ser Glu Val Trp Pro Gln Gly Leu Arg Glu Val Ala
20 25 30

Arg Thr Pro Gln Gly Gly Pro His His Arg Gly Cys Cys Pro Thr Gly
35 40 45

Ser Ser Pro Xaa Ser Gly Thr Leu Pro Xaa Ser Leu Trp Glu Gly Glu
50 55 60

Met Ala Thr Gly Leu Glu Asn Arg His Pro Val
65 70 75

<210> 4808
<211> 187
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (157)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (174)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4808
Gly Leu Val Gly Pro Leu Leu Val Cys Arg Ala Gly Ala Leu Gly Ala
1 5 10 15

Asp Gly Lys Gln Lys Gly Val Asp Lys Glu Phe Phe Leu Leu Phe Thr
20 25 30

Val Leu Asp Glu Asn Lys Ser Trp Tyr Ser Asn Ala Asn Gln Ala Ala
35 40 45

BNSDOCID: <WO_ 0122920A2 I_>

```
Ala Met Leu Asp Phe Arg Leu Leu Ser Glu Asp Ile Glu Gly Phe Gln
     50                  55                  60

Asp Ser Asn Arg Met His Ala Ile Asn Gly Phe Leu Phe Ser Asn Leu
 65                  70                  75                  80

Pro Arg Leu Asp Met Cys Lys Gly Asp Thr Val Ala Trp His Leu Leu
                 85                  90                  95

Gly Leu Gly Thr Glu Thr Asp Val His Gly Val Met Phe Gln Gly Asn
            100                 105                 110

Thr Val Gln Leu Gln Gly Met Arg Lys Gly Ala Ala Met Leu Phe Pro
        115                 120                 125

His Thr Phe Val Met Ala Ile Met Gln Pro Asp Asn Leu Gly Thr Phe
    130                 135                 140

Glu Ile Tyr Cys Gln Ala Gly Lys Pro Ser Arg Thr Xaa Met Lys Ala
145                 150                 155                 160

Ile Tyr Asn Gly Ser Asn Xaa Leu Gly Thr Lys Pro Pro Xaa Ala Thr
                165                 170                 175

Leu Pro Thr Cys Lys Asn Leu Leu Phe His Gly
            180                 185
```

<210> 4809
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4809

```
Ala Ile Pro Leu Thr Asn Asp Gly Val Pro Ser Glu Ser Ser Ala Gly
  1               5                  10                  15

Arg Leu Leu Cys Val Gly Arg Leu Gly Leu Gly Arg Gly Leu Ser Pro
             20                  25                  30

Asn Leu Gly Pro Ala Glu Gln Glu Gln Asn His Tyr Leu Ala Gln Leu
         35                  40                  45

Phe Gly Leu Tyr Gly Glu Asn Gly Thr Leu Thr Ala Gly Gly Leu Ala
     50                  55                  60
```

BNSDOCID: <WO___ 0122920A2 I_>

```
Arg Leu Leu His Ser Leu Gly Leu Gly Arg Val Gln Gly Leu Arg Leu
 65                  70                  75                  80

Gly Gln His Gly Pro Leu Thr Gly Arg Ala Ala Ser Pro Ala Ala Asp
                 85                  90                  95

Asn Ser Thr His Arg Pro Gln Asn Pro Glu Leu Ser Val Asp Val Trp
            100                 105                 110

Ala Gly Met Pro Leu Gly Pro Ser Gly Trp Gly Asp Leu Glu Xaa
        115                 120                 125
```

<210> 4810
<211> 216
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (197)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (215)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4810

```
Ala Ser Met Asp Pro Asp Ser Asp Gln Pro Leu Asn Ser Leu Asp Val
  1               5                  10                  15

Lys Pro Leu Arg Lys Pro Arg Ile Pro Ile Ile Ile Ala Leu Leu Ser
             20                  25                  30

Leu Ala Ser Ile Ile Ile Val Val Val Leu Ile Lys Val Ile Leu Asp
         35                  40                  45

Lys Tyr Tyr Phe Leu Cys Gly Gln Pro Leu His Phe Ile Pro Arg Lys
     50                  55                  60

Gln Leu Cys Asp Gly Glu Leu Asp Cys Pro Leu Gly Glu Asp Glu Glu
 65                  70                  75                  80
```

BNSDOCID: <WO_ 0122920A2 I >

```
His Cys Val Lys Ser Phe Pro Glu Gly Pro Xaa Val Ala Val Arg Leu
                 85                  90                  95

Ser Lys Asp Arg Ser Thr Leu Gln Val Leu Asp Ser Ala Thr Gly Asn
            100                 105                 110

Trp Phe Ser Ala Cys Phe Asp Asn Phe Thr Glu Ala Leu Ala Glu Thr
        115                 120                 125

Ala Cys Arg Gln Met Gly Tyr Ser Ser Lys Pro Thr Phe Arg Ala Val
    130                 135                 140

Glu Ile Gly Pro Asp Gln Asp Leu Asp Val Val Glu Ile Thr Glu Asn
145                 150                 155                 160

Ser Gln Glu Leu Arg Met Arg Asn Ser Ser Gly Pro Cys Leu Ser Gly
                165                 170                 175

Ser Leu Val Ser Leu His Cys Leu Ala Cys Gly Lys Ser Leu Lys Thr
            180                 185                 190

Pro Arg Val Val Xaa Gly Glu Glu Ala Ser Val Asp Ser Trp Pro Trp
        195                 200                 205

Gln Val Ser Ile Gln Tyr Xaa Lys
    210                 215
```

<210> 4811
<211> 139
<212> PRT
<213> Homo sapiens

<400> 4811

```
Ser Ser Asn Thr Phe Arg Leu Gln Val Gln Thr Gln Glu Ser Lys Ala
  1               5                  10                  15

Gln Lys Glu Leu Glu Arg Gln Leu Ile Met Gln Ser Glu Met Arg Glu
             20                  25                  30

Arg Gln Met Ala Met Gln Ile Ala Trp Ser Arg Glu Phe Leu Lys Tyr
         35                  40                  45

Phe Gly Thr Phe Phe Gly Leu Ala Ala Ile Ser Leu Thr Ala Gly Ala
     50                  55                  60

Ile Lys Lys Lys Lys Pro Ala Phe Leu Val Pro Ile Val Pro Leu Ser
 65                  70                  75                  80

Phe Ile Leu Thr Tyr Gln Tyr Asp Leu Gly Tyr Gly Thr Leu Leu Glu
```

85 90 95

Arg Met Lys Gly Glu Ala Glu Asp Ile Leu Glu Thr Glu Lys Ser Lys
100 105 110

Leu Gln Leu Pro Arg Gly Met Ile Thr Phe Glu Ser Ile Glu Lys Ala
115 120 125

Arg Lys Glu Gln Ser Arg Phe Phe Ile Asp Lys
130 135

<210> 4812
<211> 121
<212> PRT
<213> Homo sapiens

<400> 4812
Gly Arg Phe Ala Pro Ser Pro Pro Pro Ala Leu Pro Gly Asn Pro Leu
1 5 10 15

Lys Met Arg Pro Pro Val Leu Arg Glu Pro Gly Ala Pro Ala Ser Ala
20 25 30

Pro Ala Gln Pro Leu Pro Gly Ala Asp Pro Gly Trp Asp Phe Gly Gly
35 40 45

Pro Ser Leu Ser Pro Leu Arg Glu Asn Arg Pro Gly Arg Cys Gly Glu
50 55 60

Gly Pro Arg Ala Ile Leu Ala Gly Gly Ala Gly Arg Arg Thr Arg Ala
65 70 75 80

Arg Arg Pro Ser Pro Ala Arg Thr Ser Ser Arg Gln Ser Ser Gly Lys
85 90 95

Gly Ser Leu Phe Phe Ser Leu Gly Lys Ile Lys Ser Pro Arg Glu Asn
100 105 110

Lys Ala Gly Lys Gly Ala Pro Phe Leu
115 120

<210> 4813
<211> 364
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO_ 0122920A2 I >

<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (250)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4813

```
Asp Gly Gly Xaa Xaa Thr Gln Trp Ala Xaa Glu Phe Pro Phe Asp Val
 1               5                  10                  15

Asp Ala Leu Phe Pro Glu Arg Ile Thr Val Leu Asp Gln His Leu Arg
            20                  25                  30

Pro Pro Ala Arg Arg Pro Gly Thr Thr Thr Pro Ala Arg Val Asp Leu
        35                  40                  45

Gln Gln Gln Ile Met Thr Ile Ile Asp Glu Leu Gly Lys Ala Ser Ala
    50                  55                  60

Lys Ala Gln Asn Leu Ser Ala Pro Ile Thr Ser Ala Ser Arg Met Gln
65                  70                  75                  80

Ser Asn Arg His Val Val Tyr Ile Leu Lys Asp Ser Ser Ala Arg Pro
                85                  90                  95

Ala Gly Lys Gly Ala Ile Ile Gly Phe Ile Lys Val Gly Tyr Lys Lys
            100                 105                 110

Leu Phe Val Leu Asp Asp Arg Glu Ala His Asn Glu Val Glu Pro Leu
        115                 120                 125

Cys Ile Leu Asp Phe Tyr Ile His Glu Ser Val Gln Arg His Gly His
    130                 135                 140

Gly Arg Glu Leu Phe Gln Tyr Met Leu Gln Lys Glu Arg Val Glu Pro
145                 150                 155                 160

His Gln Leu Ala Ile Asp Arg Pro Ser Gln Lys Leu Leu Lys Phe Leu
```

165 170 175

Asn Lys His Tyr Asn Leu Glu Thr Thr Val Pro Gln Val Asn Asn Phe
180 185 190

Val Ile Phe Glu Gly Phe Phe Ala His Gln His Arg Pro Pro Ala Pro
195 200 205

Ser Leu Arg Ala Thr Arg His Ser Arg Ala Ala Ala Val Asp Pro Thr
210 215 220

Pro Ala Ala Pro Ala Arg Lys Leu Pro Pro Lys Arg Ala Glu Gly Asp
225 230 235 240

Ile Lys Pro Tyr Ser Ser Ser Asp Arg Xaa Phe Leu Lys Val Ala Val
245 250 255

Glu Pro Pro Trp Pro Leu Asn Arg Ala Pro Arg Arg Ala Thr Pro Pro
260 265 270

Ala His Pro Pro Pro Arg Ser Ser Ser Leu Gly Asn Ser Pro Glu Arg
275 280 285

Gly Pro Leu Arg Pro Phe Val Pro Glu Gln Glu Leu Leu Arg Ser Leu
290 295 300

Arg Leu Cys Pro Pro His Pro Thr Ala Arg Leu Leu Leu Ala Ala Asp
305 310 315 320

Pro Gly Gly Ser Pro Ala Gln Arg Arg Arg Thr Ser Ser Leu Pro Arg
325 330 335

Ser Glu Glu Ser Arg Tyr Leu Thr Ala Tyr Pro Ser Pro Cys Pro Gly
340 345 350

Gly Asp Leu Gly Val Gly Gln Gly Asn Pro Phe Ser
355 360

<210> 4814
<211> 145
<212> PRT
<213> Homo sapiens

<400> 4814
Asn Thr Ala Lys Phe Thr Asn Cys Thr Cys Cys Ile Val Lys Pro His
1 5 10 15

Ala Val Ser Glu Gly Leu Leu Gly Lys Ile Leu Met Ala Ile Arg Asp
20 25 30

Ala Gly Phe Glu Ile Ser Ala Met Gln Met Phe Asn Met Asp Arg Val
35 40 45

Asn Val Glu Glu Phe Tyr Glu Val Tyr Lys Gly Val Val Thr Glu Tyr
50 55 60

His Asp Met Val Thr Glu Met Tyr Ser Gly Pro Cys Val Ala Met Glu
65 70 75 80

Ile Gln Gln Asn Asn Ala Thr Lys Thr Phe Arg Glu Phe Cys Gly Pro
85 90 95

Ala Asp Pro Glu Ile Ala Arg His Leu Arg Pro Gly Thr Leu Arg Ala
100 105 110

Ile Phe Gly Lys Thr Lys Ile Gln Asn Ala Val His Cys Thr Asp Leu
115 120 125

Pro Glu Asp Gly Leu Leu Glu Val Gln Tyr Phe Phe Lys Ile Leu Asp
130 135 140

Asn
145

<210> 4815
<211> 404
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4815
Gln Asn Val Ile Met Phe Val Gly Leu Gln Gly Ser Gly Xaa Thr Thr
1 5 10 15

Thr Cys Ser Lys Leu Ala Tyr Tyr Tyr Gln Arg Lys Gly Trp Lys Thr
20 25 30

Cys Leu Ile Cys Ala Asp Thr Phe Arg Ala Gly Ala Phe Asp Gln Leu
35 40 45

Lys Gln Asn Ala Thr Lys Ala Arg Ile Pro Phe Tyr Gly Ser Tyr Thr
50 55 60

Glu Met Asp Pro Val Ile Ile Ala Ser Glu Gly Val Glu Lys Phe Lys

65 70 75 80

Asn Glu Asn Phe Glu Ile Ile Ile Val Asp Thr Ser Gly Arg His Lys
85 90 95

Gln Glu Asp Ser Leu Phe Glu Glu Met Leu Gln Val Ala Asn Ala Ile
100 105 110

Gln Pro Asp Asn Ile Val Tyr Val Met Asp Ala Ser Ile Gly Gln Ala
115 120 125

Cys Glu Ala Gln Ala Lys Ala Phe Lys Asp Lys Val Asp Val Ala Ser
130 135 140

Val Ile Val Thr Lys Leu Asp Gly His Ala Lys Gly Gly Gly Ala Leu
145 150 155 160

Ser Ala Val Ala Ala Thr Lys Ser Pro Ile Ile Phe Ile Gly Thr Gly
165 170 175

Glu His Ile Asp Asp Phe Glu Pro Phe Lys Thr Gln Pro Phe Ile Ser
180 185 190

Lys Leu Leu Gly Met Gly Asp Ile Glu Gly Leu Ile Asp Lys Val Asn
195 200 205

Glu Leu Lys Leu Asp Asp Asn Glu Ala Leu Ile Glu Lys Leu Lys His
210 215 220

Gly Gln Phe Thr Leu Arg Asp Met Tyr Glu Gln Phe Gln Asn Ile Met
225 230 235 240

Lys Met Gly Pro Phe Ser Gln Ile Leu Gly Met Ile Pro Gly Phe Gly
245 250 255

Thr Asp Phe Met Ser Lys Gly Asn Glu Gln Glu Ser Met Ala Arg Leu
260 265 270

Lys Lys Leu Met Thr Ile Met Asp Ser Met Asn Asp Gln Glu Leu Asp
275 280 285

Ser Thr Asp Gly Ala Lys Val Phe Ser Lys Gln Pro Gly Arg Ile Gln
290 295 300

Arg Val Ala Arg Gly Ser Gly Val Ser Thr Arg Asp Val Gln Glu Leu
305 310 315 320

Leu Thr Gln Tyr Thr Lys Phe Ala Gln Met Val Lys Lys Met Gly Gly
325 330 335

Ile Lys Gly Leu Phe Lys Gly Gly Asp Met Ser Lys Asn Val Ser Gln

BNSDOCID: <WO__ 0122920A2 I >

340 345 350

Ser Gln Met Ala Lys Leu Asn Gln Gln Met Ala Lys Met Met Asp Pro
355 360 365

Arg Val Leu His His Met Gly Gly Met Ala Gly Leu Gln Ser Met Met
370 375 380

Arg Gln Phe Gln Gln Gly Ala Ala Gly Asn Met Lys Gly Met Met Gly
385 390 395 400

Phe Asn Asn Met

<210> 4816
<211> 66
<212> PRT
<213> Homo sapiens

<400> 4816
Ser Leu Ile Ser Leu Tyr Phe Ser Phe Phe Val Cys Glu Tyr Tyr Pro
1 5 10 15

Tyr Thr Thr Thr Pro Lys Thr Ser Glu Leu Phe Ala Leu Phe Phe His
20 25 30

Thr Thr Trp Gly Arg Glu Pro Trp Glu Tyr Ala His Gly Ile Ile Ile
35 40 45

His Ser Val Val Trp Lys Lys Lys Met Leu Thr Ser Ala Leu Glu Gly
50 55 60

Ser Tyr
65

<210> 4817
<211> 90
<212> PRT
<213> Homo sapiens

<400> 4817
His Ala Ser Ala Asp Ala Trp Ala Asp Ala Trp Glu Lys Ser Cys Glu
1 5 10 15

Glu Ile Asp Leu Asp Lys His Lys Ser Ile Gln Arg Lys Lys Thr Glu
20 25 30

```
Val Glu Ile Glu Thr Val His Val Ser Thr Glu Lys Leu Lys Asn Arg
         35                  40                  45

Lys Glu Lys Lys Ser Arg Asp Val Val Ser Lys Lys Glu Glu Arg Lys
     50                  55                  60

Arg Thr Lys Lys Lys Lys Glu Gln Gly Gln Glu Arg Thr Glu Glu Glu
 65                  70                  75                  80

Met Leu Trp Asp Gln Ser Ile Leu Gly Phe
                 85                  90
```

<210> 4818
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4818

```
Gly Gly Phe Leu His Pro Gln Pro Glu Arg Arg Pro Xaa Gly Pro Ala
  1               5                  10                  15

Pro Arg Lys Pro Pro Val Ala Arg Pro Arg Ser Gly Leu Gly Ser Pro
            20                  25                  30

Gly Lys Arg Phe Gly Arg Ala His Gly Asp Cys Val Ser Gly Ala Gln
         35                  40                  45

Leu Cys Gly Cys Pro Ser Met Asp Asp Tyr Met Val Leu Arg Met Ile
     50                  55                  60
```

BNSDOCID: <WO 0122920A2 I >

```
Gly Glu Gly Ser Phe Gly Arg Ala Leu Leu Val Gln His Glu Ser Ser
 65                  70                  75                  80

Asn Gln Met Phe Ala Met Lys Glu Ile Arg Leu Pro Lys Ser Phe Ser
                 85                  90                  95

Asn Thr Gln Asn Ser Arg Lys Glu Ala Val Leu Leu Ala Lys Met Lys
            100                 105                 110

His Pro Asn Ile Xaa Ala Phe Lys Glu Ser Phe Glu Ala Xaa Gly His
        115                 120                 125

Leu Tyr Ile Val Met Glu Tyr Cys Asp Gly Xaa Asp Leu Met Gln Lys
    130                 135                 140

Ile Lys Gln Gln Lys Arg Lys Val Ile Ser
145                 150
```

<210> 4819
<211> 63
<212> PRT
<213> Homo sapiens

<400> 4819

```
Arg Leu His Arg Tyr Pro Glu Ala Met Ala Ser Lys Gly Leu Gln Asp
  1               5                  10                  15

Leu Lys Gln Gln Val Glu Gly Thr Ala Gln Glu Ala Ala Met Asp Gln
             20                  25                  30

Leu Ala Lys Thr Thr Gln Glu Thr Ile Asp Lys Thr Ala Asn Gln Ala
         35                  40                  45

Ser Asp Thr Phe Ser Gly Ile Gly Lys Lys Phe Gly Leu Leu Lys
     50                  55                  60
```

<210> 4820
<211> 261
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (226)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4820

```
Val Lys Lys Asp Thr Leu Thr Glu Glu Glu Thr Gln Phe Tyr Ile Ala
  1               5                  10                  15

Glu Thr Val Leu Ala Ile Asp Ser Ile His Gln Leu Gly Phe Ile His
             20                  25                  30

Arg Asp Ile Lys Pro Asp Asn Leu Leu Leu Asp Ser Lys Gly His Val
         35                  40                  45

Lys Leu Ser Asp Phe Gly Leu Cys Thr Gly Leu Lys Lys Ala His Arg
     50                  55                  60

Thr Glu Phe Tyr Arg Asn Leu Asn His Ser Leu Pro Ser Asp Phe Thr
 65                  70                  75                  80

Phe Gln Asn Met Asn Ser Lys Arg Lys Ala Glu Thr Trp Lys Arg Asn
                 85                  90                  95

Arg Arg Gln Leu Ala Phe Ser Thr Val Gly Thr Pro Asp Tyr Ile Ala
            100                 105                 110

Pro Glu Val Phe Met Gln Thr Gly Tyr Asn Lys Leu Cys Asp Trp Trp
        115                 120                 125

Ser Leu Gly Val Ile Met Tyr Glu Met Leu Ile Gly Tyr Pro Pro Phe
    130                 135                 140

Cys Xaa Glu Thr Pro Gln Glu Thr Tyr Lys Lys Val Met Asn Trp Lys
145                 150                 155                 160

Glu Thr Leu Thr Phe Pro Pro Glu Val Pro Ile Ser Glu Lys Ala Lys
                165                 170                 175

Asp Leu Ile Leu Arg Phe Cys Cys Glu Trp Glu His Arg Ile Gly Ala
            180                 185                 190

Pro Gly Val Glu Glu Ile Lys Ser Asn Ser Phe Phe Glu Gly Val Asp
        195                 200                 205

Trp Glu His Ile Arg Glu Arg Pro Ala Ala Ile Ser Ile Glu Ile Lys
    210                 215                 220

Ser Xaa Asp Asp Thr Ser Asn Phe Asp Glu Phe Pro Glu Ser Asp Ile
225                 230                 235                 240
```

Leu Lys Pro Thr Asp Ala Phe Leu Gly Asp Thr Pro Pro His Pro Lys
245 250 255

Gly Ser Pro Ala Thr
260

<210> 4821
<211> 178
<212> PRT
<213> Homo sapiens

<400> 4821
Phe Arg Ala Leu His Arg Gly Ala Ala Leu Asp Leu Ser Pro Leu His
1 5 10 15

Arg Ser Pro His Pro Ser Arg Gln Ala Ile Phe Cys Trp Met Ser Phe
20 25 30

Ser Ala Tyr Gln Thr Ala Phe Ile Cys Leu Gly Leu Leu Val Gln Gln
35 40 45

Ile Ile Phe Phe Leu Gly Thr Thr Ala Leu Ala Phe Leu Val Leu Met
50 55 60

Pro Val Leu His Gly Arg Asn Leu Leu Leu Phe Arg Ser Leu Glu Ser
65 70 75 80

Ser Trp Pro Phe Trp Leu Thr Leu Ala Leu Ala Val Ile Leu Gln Asn
85 90 95

Met Ala Ala His Trp Val Phe Leu Glu Thr His Asp Gly His Pro Gln
100 105 110

Leu Thr Asn Arg Arg Val Leu Tyr Ala Ala Thr Phe Leu Leu Phe Pro
115 120 125

Leu Asn Val Leu Val Gly Ala Met Val Ala Thr Trp Arg Val Leu Leu
130 135 140

Ser Ala Leu Tyr Asn Ala Ile His Leu Gly Gln Met Asp Leu Ser Leu
145 150 155 160

Leu Pro Pro Arg Ala Ala Leu Ser Thr Pro Ala Thr Thr Arg Thr Glu
165 170 175

Thr Ser

<210> 4822
<211> 178
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4822

```
Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro
  1               5                  10                  15

Pro Ile Phe Pro Val Asp Asn Ala Ile Asp Asn Xaa Lys Glu Ile Gln
             20                  25                  30

Val Ala Leu Xaa Ile Leu Met Ala Ala Tyr Ala Met Ala Glu Ala Phe
         35                  40                  45

Met Ser Thr Gly Val Gly Ala Ser Leu Ile Leu Ile Ala Leu Lys Val
     50                  55                  60

Gly Ile Thr Ala Lys Thr Val Ala Val Ile Gly Ala Ile Val Thr Ser
 65                  70                  75                  80

Ile Leu Ser Ile Ala Thr Gly Thr Ser Trp Gly Thr Phe Ala Ala Cys
                 85                  90                  95

Ala Pro Ile Phe Leu Trp Leu Asn His Ile Val Gly Gly Asn Ile Leu
            100                 105                 110

Leu Thr Thr Ala Ala Ile Ala Gly Gly Ala Cys Phe Gly Asp Asn Ile
        115                 120                 125

Gly Leu Ile Ser Asp Thr Thr Ile Val Ser Ser Gly Ile Gln Lys Val
    130                 135                 140

Glu Val Val Arg Arg Ile Arg His Gln Gly Val Trp Ser Ala Leu Val
145                 150                 155                 160

Leu Leu Ser Gly Ile Ile Val Phe Ala Ile Val Gly Phe Thr Trp Ile
                165                 170                 175

Tyr Pro
```

<210> 4823
<211> 40
<212> PRT
<213> Homo sapiens

<400> 4823
Leu Cys Cys Phe Lys Tyr Leu Gly Asp Cys Phe Ile Ile Ser Ser Thr
1 5 10 15

Lys Lys Thr Phe Asn Phe Ala Ile Glu Thr Val Glu Leu Cys His Ala
20 25 30

Phe Ile Arg Ser Ser Ala Leu Cys
35 40

<210> 4824
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4824
Thr Gln Leu Arg Glu Cys Leu Phe Arg Ala Trp Ser Cys Tyr Leu Tyr
1 5 10 15

Leu Lys Ser Ser His Pro Val Pro Cys Phe Arg Ala Gly Leu Gln Phe
20 25 30

His Cys Ser Phe Leu Lys Leu Leu Cys Pro Gln Leu Thr Leu Phe Xaa
35 40 45

Asn Val Val Phe His Trp Thr Gly Leu Leu Phe Leu Val Ser His Ala
50 55 60

Phe Gly Phe Tyr Xaa
65

<210> 4825
<211> 306
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4825

```
Val Ser Arg Pro Ala Gly Lys Asp Met Met Arg Lys Leu Glu Lys His
  1               5                  10                  15

Met Thr Ala Xaa Lys Gly Pro Met Ile Val Leu Val Leu Asp Glu Met
             20                  25                  30

Asp Gln Leu Asp Ser Lys Xaa Gln Asp Val Leu Tyr Thr Leu Phe Glu
         35                  40                  45

Trp Pro Trp Leu Ser Asn Ser His Leu Val Leu Ile Gly Ile Ala Asn
     50                  55                  60

Thr Leu Asp Leu Thr Asp Arg Ile Leu Pro Arg Leu Gln Ala Arg Glu
 65                  70                  75                  80

Lys Cys Lys Pro Gln Leu Leu Asn Phe Pro Pro Tyr Thr Arg Asn Gln
                 85                  90                  95

Ile Val Thr Ile Leu Gln Asp Arg Leu Asn Gln Val Ser Arg Asp Gln
            100                 105                 110

Val Leu Asp Asn Ala Ala Val Gln Phe Cys Ala Arg Lys Val Ser Ala
        115                 120                 125

Val Ser Gly Asp Val Arg Lys Ala Leu Asp Val Cys Arg Arg Ala Ile
    130                 135                 140

Glu Ile Val Glu Ser Asp Val Lys Ser Gln Thr Ile Leu Lys Pro Leu
145                 150                 155                 160

Ser Glu Cys Lys Ser Pro Ser Glu Pro Leu Ile Pro Lys Arg Val Gly
                165                 170                 175
```

```
Leu Ile His Ile Ser Gln Val Ile Ser Glu Val Asp Gly Asn Arg Met
            180                 185                 190

Thr Leu Ser Gln Glu Gly Ala Gln Asp Ser Phe Pro Leu Gln Gln Lys
        195                 200                 205

Ile Leu Val Cys Ser Leu Met Leu Leu Ile Arg Gln Leu Lys Ile Lys
    210                 215                 220

Glu Val Thr Leu Gly Lys Leu Tyr Glu Ala Tyr Ser Lys Val Cys Arg
225                 230                 235                 240

Lys Gln Gln Val Ala Ala Val Asp Gln Ser Glu Cys Leu Ser Leu Ser
                245                 250                 255

Gly Leu Leu Glu Ala Arg Gly Ile Leu Gly Leu Lys Arg Asn Lys Glu
            260                 265                 270

Thr Arg Leu Thr Lys Val Phe Phe Lys Ile Glu Glu Lys Glu Ile Glu
        275                 280                 285

His Ala Leu Lys Asp Lys Ala Leu Ile Gly Asn Ile Leu Ala Thr Gly
    290                 295                 300

Leu Pro
305
```

<210> 4826
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4826

```
Ala Ala Ala Gly Pro Gly Ala Cys Trp Ala Ser Pro Pro Arg Arg Leu
  1               5                  10                  15

His Ala Pro Thr Ala Xaa Ser Thr Xaa Ser Phe Gln Ala Arg Gln Leu
            20                  25                  30
```

```
Leu Glu Lys Glu Phe Ser Asn Leu Ile Ser Leu Gly Thr Asp Arg Arg
         35                  40                  45

Leu Asp Glu Asp Ser Ala Lys Ser Phe Ser Arg Ser Pro Ser Trp Arg
     50                  55                  60

Lys Met Phe Arg Glu Lys Asp Leu Arg Gly Val Thr Pro Asp Ser Ala
 65                  70                  75                  80

Glu Met Leu Pro Pro Asn Phe Arg Ser Ala Ala Ala Gly Ala Leu Gly
                 85                  90                  95

Ser Pro Gly Leu Pro Leu Arg Lys Leu Gln Pro Glu Gly Gln Thr Ser
            100                 105                 110

Gly Ser Ser Arg Ala Asp Gly Val Ser Val Arg Thr Tyr Ser Cys
        115                 120                 125
```

<210> 4827
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4827

```
Glu Ala Ala Asn Met Ile Leu Val Asp Asp Asp Phe Ser Ala Ile Met
  1               5                  10                  15

Asn Ala Val Glu Glu Gly Lys Gly Ile Phe Tyr Asn Ile Lys Asn Phe
            20                  25                  30

Val Arg Phe Gln Leu Ser Thr Ser Ile Ser Ala Leu Ser Leu Ile Thr
        35                  40                  45

Leu Ser Thr Val Phe Asn Leu Pro Ser Pro Leu Asn Ala Met Gln Ile
    50                  55                  60

Leu Trp Ile Asn Ile Ile Met Asp Gly Pro Pro Xaa Gln Arg
65                  70                  75
```

<210> 4828
<211> 61

<212> PRT
<213> Homo sapiens

<400> 4828
Asn Ile Val Cys Ser Asp Phe Ile Lys Asp Ile Phe Lys Ser Pro Ile
1 5 10 15

Tyr Ser Arg Ile Phe Ser Tyr Asp Val Ile Tyr Glu Lys Asp Val Cys
20 25 30

Thr Asn Arg Cys Cys Asn Thr Thr Val Val Gly Phe Tyr Cys Leu Val
35 40 45

Ile Asn Val Tyr Asn Ile Ser Lys Gly Asn Tyr Val Leu
50 55 60

<210> 4829
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4829
Ala Leu Trp Gly Asp Ala Ser Gly Gln Ser Cys Leu Leu Ile Phe Ile
1 5 10 15

Leu Arg Ala Ser Ala Leu Glu Xaa Leu Pro His Ala Phe Ser Val Asp
20 25 30

His Ser Gly Pro Pro Val Gly Val Ala Cys Gln Ala Arg Thr Pro Pro
35 40 45

Gly Gly Gln Ser Arg Asn Leu Arg Gly Ala Glu Thr Pro Phe Ile Ser
50 55 60

Gly Cys His Arg Pro Glu Gln His Trp Ala Gly Cys Pro Leu Leu Thr
65 70 75 80

Gly Trp Gln His Lys Asp Asn Met Ser Arg Gly Arg Arg Arg Arg Gly
85 90 95

Ala Gln Ala Ala Gly His Ser Pro Ala Ala Pro Glu Ala Leu Ile Ser
100 105 110

Asp His Gln Ala Met Thr Phe Leu Cys Ala Leu Gln Lys Ala Phe Asn

115 120 125

Cys Asp Gln Ala Val Cys Ser Asp Thr Leu Ser Gly Asp Phe
130 135 140

<210> 4830
<211> 163
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4830
Gly Pro Arg His Ala Asp Phe Pro Cys Ser Ala Val Val Arg Lys Cys
1 5 10 15

```
Leu Ala Ala Xaa Gly Arg Arg Arg Gly Arg Gln Thr Tyr Ser Arg Phe
            20                  25                  30

Gln Thr Leu Glu Leu Glu Lys Glu Phe Leu Phe Asn Pro Tyr Leu Thr
        35                  40                  45

Arg Lys Arg Arg Ile Glu Val Ser His Ala Leu Ala Xaa Thr Glu Arg
    50                  55                  60

Xaa Val Lys Ile Trp Phe Gln Asn Arg Arg Met Asn Gly Lys Xaa Lys
65                  70                  75                  80

Thr Thr Arg Gln Ile Ser Arg Phe Pro Ala Gly Gly Glu Gly Arg Gly
                85                  90                  95

Asn Glu Lys Xaa Ser Pro Arg Ala Gly Gly Arg Gln Ser Arg Arg Pro
            100                 105                 110

Xaa Xaa Leu Thr Ser Thr Phe Lys Ile Tyr His Arg Leu Leu Lys Leu
        115                 120                 125

Ile Ile Thr Ile Cys Cys Gly His His Leu Phe Ser Leu Leu Glu Arg
    130                 135                 140

Thr Leu Pro Val Phe Gln Ala Thr Phe Met Ser Leu Leu Leu Arg Phe
145                 150                 155                 160

Ser Val Leu
```

<210> 4831
<211> 183
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2 I_>

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4831
Glu Leu Lys Arg Leu Thr Ile Gly Lys Asn Xaa Xaa Arg Leu Thr Gly
1 5 10 15

Asn Arg Xaa Gly Ile Pro Gly Ser Thr His Ala Ser Glu Xaa Glu Val
20 25 30

Glu Glu Glu Gly Asp Val Asp Ser Asp Glu Glu Glu Glu Glu Asp Glu
35 40 45

Glu Ser Ser Ser Glu Gly Leu Glu Ala Glu Asp Trp Ala Gln Gly Val
50 55 60

Val Glu Ala Gly Gly Ser Phe Gly Ala Tyr Gly Ala Gln Glu Glu Ala
65 70 75 80

Gln Cys Pro Thr Leu His Phe Leu Glu Gly Gly Glu Asp Ser Asp Ser
85 90 95

Asp Ser Glu Glu Glu Asp Asp Glu Glu Glu Asp Asp Glu Asp Glu Asp
100 105 110

Asp Asp Asp Asp Glu Glu Asp Gly Asp Glu Val Pro Val Pro Ser Phe
115 120 125

Gly Glu Ala Met Ala Tyr Phe Ala Met Val Lys Arg Tyr Leu Thr Ser
130 135 140

Phe Pro Ile Asp Asp Arg Val Gln Ser His Ile Leu His Leu Glu His
145 150 155 160

Asp Leu Val His Val Thr Arg Lys Asn His Ala Arg Gln Ala Gly Val
165 170 175

Arg Gly Leu Gly His Gln Ser
180

<210> 4832
<211> 313
<212> PRT
<213> Homo sapiens

<400> 4832

BNSDOCID: <WO__ 0122920A2_I >

```
Gly Arg Phe Gln Lys Cys Leu Ala Val Gly Met Ser His Asn Ala Ile
 1               5                  10                  15

Arg Phe Gly Arg Met Pro Gln Ala Glu Lys Glu Lys Leu Leu Ala Glu
            20                  25                  30

Ile Ser Ser Asp Ile Asp Gln Leu Asn Pro Glu Ser Ala Asp Leu Arg
        35                  40                  45

Ala Leu Ala Lys His Leu Tyr Asp Ser Tyr Ile Lys Ser Phe Pro Leu
    50                  55                  60

Thr Lys Ala Lys Ala Arg Ala Ile Leu Thr Gly Lys Thr Thr Asp Lys
65                  70                  75                  80

Ser Pro Phe Val Ile Tyr Asp Met Asn Ser Leu Met Met Gly Glu Asp
                85                  90                  95

Lys Ile Lys Phe Lys His Ile Thr Pro Leu Gln Glu Gln Ser Lys Glu
            100                 105                 110

Val Ala Ile Arg Ile Phe Gln Gly Cys Gln Phe Arg Ser Val Glu Ala
        115                 120                 125

Val Gln Glu Ile Thr Glu Tyr Ala Lys Ser Ile Pro Gly Phe Val Asn
    130                 135                 140

Leu Asp Leu Asn Asp Gln Val Thr Leu Leu Lys Tyr Gly Val His Glu
145                 150                 155                 160

Ile Ile Tyr Thr Met Leu Ala Ser Leu Met Asn Lys Asp Gly Val Leu
                165                 170                 175

Ile Ser Glu Gly Gln Gly Phe Met Thr Arg Glu Phe Leu Lys Ser Leu
            180                 185                 190

Arg Lys Pro Phe Gly Asp Phe Met Glu Pro Lys Phe Glu Phe Ala Val
        195                 200                 205

Lys Phe Asn Ala Leu Glu Leu Asp Asp Ser Asp Leu Ala Ile Phe Ile
    210                 215                 220

Ala Val Ile Ile Leu Ser Gly Asp Arg Pro Gly Leu Leu Asn Val Lys
225                 230                 235                 240

Pro Ile Glu Asp Ile Gln Asp Asn Leu Leu Gln Ala Leu Glu Leu Gln
                245                 250                 255

Leu Lys Leu Asn His Pro Glu Ser Ser Gln Leu Phe Ala Lys Leu Leu
            260                 265                 270
```

BNSDOCID: <WO___0122920A2_I_>

Gln Lys Met Thr Asp Leu Arg Gln Ile Val Thr Glu His Val Gln Leu
275 280 285

Leu Gln Val Ile Lys Lys Thr Glu Thr Asp Met Ser Leu His Pro Leu
290 295 300

Leu Gln Glu Ile Tyr Lys Asp Leu Tyr
305 310

<210> 4833
<211> 187
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4833
Lys Ser Gly Ile Leu Val Asn Asn Val Xaa Met Ser Tyr Glu Tyr Pro
1 5 10 15

Glu Tyr Phe Leu Asp Val Pro Asp Leu Asp Asn Val Ile Lys Lys Met
20 25 30

Ile Asn Ile Asn Ile Leu Ser Val Cys Lys Met Thr Gln Leu Val Leu
35 40 45

Pro Gly Met Val Glu Arg Ser Lys Gly Ala Ile Leu Asn Ile Ser Ser
50 55 60

Gly Ser Gly Met Leu Pro Val Pro Leu Leu Thr Ile Tyr Ser Ala Thr
65 70 75 80

Lys Thr Phe Val Asp Phe Phe Ser Gln Cys Leu His Glu Glu Tyr Arg
85 90 95

Ser Lys Gly Val Phe Val Gln Ser Val Leu Pro Tyr Phe Val Ala Thr
100 105 110

Lys Leu Ala Lys Ile Arg Lys Pro Thr Leu Asp Lys Pro Ser Pro Glu
115 120 125

Thr Phe Val Lys Ser Ala Ile Lys Thr Val Gly Leu Gln Ser Arg Thr
130 135 140

Asn Gly Tyr Leu Ile His Ala Leu Met Gly Ser Ile Ile Ser Asn Leu
145 150 155 160

Pro Ser Trp Ile Tyr Leu Lys Ile Val Met Asn Met Asn Lys Ser Thr
165 170 175

Arg Ala His Tyr Leu Lys Lys Thr Lys Lys Asn
180 185

<210> 4834
<211> 99
<212> PRT
<213> Homo sapiens

<400> 4834
Ser Ile Glu Phe Ser Gly His Leu Phe Phe Pro Leu Pro Leu Leu Arg
1 5 10 15

Pro Ser Pro Pro Leu Ile Ile Ile Gln Val Val Val Lys Ile Val Leu
20 25 30

Leu Ser Asp Pro Phe Leu Val Trp Leu Phe Ile Pro Ser Glu Gln Val
35 40 45

Asn Val Gly Ala Thr Ala Leu Val Ser Thr Val Ser Leu Thr Val Asn
50 55 60

Glu Pro Pro Gly Val Ser Ser Lys Lys Arg Lys Gly Val Thr Gly Thr
65 70 75 80

Thr Ala Leu Phe His Phe Ile Asn Cys Leu Phe Met Leu Pro Ala Gln
85 90 95

Val Ser Thr

<210> 4835
<211> 301
<212> PRT
<213> Homo sapiens

<400> 4835
Leu Arg Val Phe Leu Cys Val Phe Phe Tyr Phe Ala Trp Leu Phe Glu
1 5 10 15

His Tyr Trp Thr Leu Val Leu Glu Gly Lys Thr Phe Gln Leu Tyr Ser
20 25 30

His Asn Leu Ile Ala Leu Phe Glu His Ala Lys Lys Pro Gly Leu Ala

35 40 45

Ala His Ile Gln Thr His Arg Phe Pro Asp Arg Ile Leu Pro Arg Lys
50 55 60

Phe Ala Leu Thr Thr Lys Ile Pro Asp Thr Lys Gly Cys His Lys Cys
65 70 75 80

Cys Ile Val Arg Asn Pro Tyr Thr Gly His Lys Tyr Leu Cys Gly Ala
85 90 95

Leu Gln Ser Gly Ile Val Leu Leu Gln Trp Tyr Glu Pro Met Gln Lys
100 105 110

Phe Met Leu Ile Lys His Phe Asp Phe Pro Leu Pro Ser Pro Leu Asn
115 120 125

Val Phe Glu Met Leu Val Ile Pro Glu Gln Glu Tyr Pro Met Val Cys
130 135 140

Val Ala Ile Ser Lys Gly Thr Glu Ser Asn Gln Val Val Gln Phe Glu
145 150 155 160

Thr Ile Asn Leu Asn Ser Ala Ser Ser Trp Phe Thr Glu Ile Gly Ala
165 170 175

Gly Ser Gln Gln Leu Asp Ser Ile His Val Thr Gln Leu Glu Arg Asp
180 185 190

Thr Val Leu Val Cys Leu Asp Lys Phe Val Lys Ile Val Asn Leu Gln
195 200 205

Gly Lys Leu Lys Ser Ser Lys Lys Leu Ala Ser Glu Leu Ser Phe Asp
210 215 220

Phe Arg Ile Glu Ser Val Val Cys Leu Gln Asp Ser Val Leu Ala Phe
225 230 235 240

Trp Lys His Gly Met Gln Gly Lys Ser Phe Lys Ser Asp Glu Val Thr
245 250 255

Gln Glu Ile Ser Asp Glu Thr Arg Val Phe Arg Leu Leu Gly Ser Asp
260 265 270

Arg Val Val Val Leu Glu Ser Arg Pro Thr Glu Asn Pro Thr Ala His
275 280 285

Ser Asn Leu Tyr Ile Leu Ala Gly His Glu Asn Ser Tyr
290 295 300

BNSDOCID: <WO__0122920A2_I >

<210> 4836
<211> 355
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (342)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (348)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (351)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (352)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4836

```
Phe Pro Gly Ser Gly Asn Met Ala Lys Asp Ala Gly Leu Ile Glu Ala
  1               5                  10                  15

Asn Gly Glu Leu Lys Val Phe Ile Asp Gln Asn Leu Ser Pro Gly Lys
             20                  25                  30

Gly Val Val Ser Leu Val Ala Val His Pro Ser Thr Val Asn Pro Leu
         35                  40                  45

Gly Lys Gln Leu Leu Pro Lys Thr Phe Gly Gln Ser Asn Val Asn Ile
     50                  55                  60

Ala Gln Gln Val Val Ile Gly Thr Pro Gln Arg Pro Ala Ala Ser Asn
 65                  70                  75                  80

Thr Leu Val Val Gly Ser Pro His Thr Pro Ser Thr His Phe Ala Ser
                 85                  90                  95

Gln Asn Gln Pro Ser Asp Ser Ser Pro Trp Ser Ala Gly Lys Arg Asn
            100                 105                 110

Arg Lys Gly Glu Lys Asn Gly Lys Gly Leu Arg His Phe Ser Met Lys
        115                 120                 125
```

Val Cys Glu Lys Val Gln Arg Lys Gly Thr Thr Ser Tyr Asn Glu Val
130 135 140

Ala Asp Glu Leu Val Ala Glu Phe Ser Ala Ala Asp Asn His Ile Leu
145 150 155 160

Pro Asn Glu Ser Ala Tyr Asp Gln Lys Asn Ile Arg Arg Arg Val Tyr
165 170 175

Asp Ala Leu Asn Val Leu Met Ala Met Asn Ile Ile Ser Lys Glu Lys
180 185 190

Lys Glu Ile Lys Trp Ile Gly Leu Pro Thr Asn Ser Ala Gln Glu Cys
195 200 205

Gln Asn Leu Glu Val Glu Arg Gln Arg Arg Leu Glu Arg Ile Lys Gln
210 215 220

Lys Gln Ser Gln Leu Gln Glu Leu Ile Leu Gln Gln Ile Ala Phe Lys
225 230 235 240

Asn Leu Val Gln Arg Asn Arg His Ala Glu Gln Gln Ala Ser Arg Pro
245 250 255

Pro Pro Pro Asn Ser Val Ile His Leu Pro Phe Ile Ile Val Asn Thr
260 265 270

Ser Lys Lys Thr Val Ile Asp Cys Ser Ile Ser Asn Asp Lys Phe Glu
275 280 285

Tyr Leu Phe Asn Phe Asp Asn Thr Phe Glu Ile His Asp Asp Ile Glu
290 295 300

Val Leu Lys Arg Met Gly Met Ala Cys Gly Leu Glu Ser Gly Ser Cys
305 310 315 320

Ser Ala Glu Asp Leu Lys Met Ala Arg Ser Leu Val Pro Lys Ala Leu
325 330 335

Glu Pro Tyr Val Thr Xaa Met Ala Gln Gly Thr Xaa Gly Gly Xaa Xaa
340 345 350

Leu Cys Gln
355

<210> 4837
<211> 263
<212> PRT
<213> Homo sapiens

<400> 4837

```
Trp Ile Thr Tyr Gln Gly Phe Leu Ser Gln Trp Thr Leu Thr Thr Tyr
 1               5                  10                  15

Leu Asp Val Gln Arg Cys Leu Glu Tyr Leu Gly Tyr Leu Gly Tyr Ser
            20                  25                  30

Ile Leu Thr Glu Gln Glu Ser Gln Ala Ser Ala Val Thr Val Thr Arg
        35                  40                  45

Asp Lys Lys Ile Asp Leu Gln Lys Lys Gln Thr Gln Arg Asn Val Phe
    50                  55                  60

Arg Cys Asn Val Ile Gly Val Lys Asn Cys Gly Lys Ser Gly Val Leu
65                  70                  75                  80

Gln Ala Leu Leu Gly Arg Asn Leu Met Arg Gln Lys Lys Ile Arg Glu
                85                  90                  95

Asp His Lys Ser Tyr Tyr Ala Ile Asn Thr Val Tyr Val Tyr Gly Gln
            100                 105                 110

Glu Lys Tyr Leu Leu Leu His Asp Ile Ser Glu Ser Glu Phe Leu Thr
        115                 120                 125

Glu Ala Glu Ile Ile Cys Asp Val Val Cys Leu Val Tyr Asp Val Ser
    130                 135                 140

Asn Pro Lys Ser Phe Glu Tyr Cys Ala Arg Ile Phe Lys Gln His Phe
145                 150                 155                 160

Met Asp Ser Arg Ile Pro Cys Leu Ile Val Ala Ala Lys Ser Asp Leu
                165                 170                 175

His Glu Val Lys Gln Glu Tyr Ser Ile Ser Pro Thr Asp Phe Cys Arg
            180                 185                 190

Lys His Lys Met Pro Pro Pro Gln Ala Phe Thr Cys Asn Thr Ala Asp
        195                 200                 205

Ala Pro Ser Lys Asp Ile Phe Val Lys Leu Thr Thr Met Ala Met Tyr
    210                 215                 220

Pro His Val Thr Gln Ala Asp Leu Lys Ser Ser Thr Phe Trp Leu Arg
225                 230                 235                 240

Ala Ser Phe Gly Ala Thr Val Phe Ala Val Leu Gly Phe Ala Met Tyr
                245                 250                 255

Lys Ala Leu Leu Lys Gln Arg
```

BNSDOCID: <WO___0122920A2 I_>

260

<210> 4838
<211> 285
<212> PRT
<213> Homo sapiens

<400> 4838

```
Gly Arg Met Asn Trp Thr Gly Leu Tyr Thr Leu Leu Ser Gly Val Asn
  1               5                  10                  15

Arg His Ser Thr Ala Ile Gly Arg Val Trp Leu Ser Val Ile Phe Ile
             20                  25                  30

Phe Arg Ile Met Val Leu Val Val Ala Ala Glu Ser Val Trp Gly Asp
         35                  40                  45

Glu Lys Ser Ser Phe Ile Cys Asn Thr Leu Gln Pro Gly Cys Asn Ser
     50                  55                  60

Val Cys Tyr Asp Gln Phe Phe Pro Ile Ser His Val Arg Leu Trp Ser
 65                  70                  75                  80

Leu Gln Leu Ile Leu Val Ser Thr Pro Ala Leu Leu Val Ala Met His
                 85                  90                  95

Val Ala His Gln Gln His Ile Glu Lys Lys Met Leu Arg Leu Glu Gly
            100                 105                 110

His Gly Asp Pro Leu His Leu Glu Glu Val Lys Arg His Lys Val His
        115                 120                 125

Ile Ser Gly Thr Leu Trp Trp Thr Tyr Val Ile Ser Val Val Phe Arg
    130                 135                 140

Leu Leu Phe Glu Ala Val Phe Met Tyr Val Phe Tyr Leu Leu Tyr Pro
145                 150                 155                 160

Gly Tyr Ala Met Val Arg Leu Val Lys Cys Asp Val Tyr Pro Cys Pro
                165                 170                 175

Asn Thr Val Asp Cys Phe Val Ser Arg Pro Thr Glu Lys Thr Val Phe
            180                 185                 190

Thr Val Phe Met Leu Ala Ala Ser Gly Ile Cys Ile Ile Leu Asn Val
        195                 200                 205

Ala Glu Val Val Tyr Leu Ile Ile Arg Ala Cys Ala Arg Arg Ala Gln
    210                 215                 220
```

BNSDOCID: <WO__0122920A2_I_>

```
Arg Arg Ser Asn Pro Pro Ser Arg Lys Gly Ser Gly Phe Gly His Arg
225                 230                 235                 240

Leu Ser Pro Glu Tyr Lys Gln Asn Glu Ile Asn Lys Leu Leu Ser Glu
                245                 250                 255

Gln Asp Gly Ser Leu Lys Asp Ile Leu Arg Arg Ser Pro Gly Thr Gly
            260                 265                 270

Ala Gly Leu Ala Glu Lys Ser Asp Arg Cys Ser Ala Cys
        275                 280                 285
```

<210> 4839
<211> 45
<212> PRT
<213> Homo sapiens

<400> 4839

```
Gly Gln Asp Gly Glu Thr Pro Ser Leu Leu Lys Ile Gln Arg Ile Ser
  1               5                  10                  15

Trp Ala Trp Trp Arg Ala Pro Val Ile Pro Ala Thr Arg Glu Ala Glu
            20                  25                  30

Ala Arg Glu Ser Leu Glu Pro Arg Arg Trp Arg Leu Gln
        35                  40                  45
```

<210> 4840
<211> 280
<212> PRT
<213> Homo sapiens

<400> 4840

```
Arg Ala Glu Ser Val Pro Ala His Pro Cys Gly Phe Pro Ala Pro Leu
  1               5                  10                  15

Pro Pro Thr Arg Met Met Glu Ser Lys Met Ile Ala Ala Ile His Ser
            20                  25                  30

Ser Ser Ala Asp Ala Thr Ser Ser Ser Asn Tyr His Ser Phe Val Thr
        35                  40                  45

Ala Ser Ser Thr Ser Val Asp Asp Ala Leu Pro Leu Pro Leu Pro Val
    50                  55                  60

Pro Gln Pro Lys His Ala Ser Gln Lys Thr Val Tyr Ser Ser Phe Ala
```

```
 65                  70                  75                  80

Arg Pro Asp Val Thr Thr Glu Pro Phe Gly Pro Asp Asn Cys Leu His
                 85                  90                  95

Phe Asn Met Thr Pro Asn Cys Gln Tyr Arg Pro Gln Ser Val Pro Pro
            100                 105                 110

His His Asn Lys Leu Glu Gln His Gln Val Tyr Gly Ala Arg Ser Glu
        115                 120                 125

Pro Pro Ala Ser Met Gly Leu Arg Tyr Asn Thr Tyr Val Ala Pro Gly
    130                 135                 140

Arg Asn Ala Ser Gly His His Ser Lys Pro Cys Ser Arg Val Glu Tyr
145                 150                 155                 160

Val Ser Ser Leu Ser Ser Ser Val Arg Asn Thr Cys Tyr Pro Glu Asp
                165                 170                 175

Ile Pro Pro Tyr Pro Thr Ile Arg Arg Val Gln Ser Leu His Ala Pro
            180                 185                 190

Pro Ser Ser Met Ile Arg Ser Val Pro Ile Ser Arg Thr Glu Val Pro
        195                 200                 205

Pro Asp Asp Glu Pro Ala Tyr Cys Pro Arg Pro Leu Tyr Gln Tyr Lys
    210                 215                 220

Pro Tyr Gln Ser Ser Gln Ala Arg Ser Asp Tyr His Val Thr Gln Leu
225                 230                 235                 240

Gln Pro Tyr Phe Glu Asn Gly Arg Val His Tyr Arg Tyr Ser Pro Tyr
                245                 250                 255

Ser Ser Ser Ser Ser Ser Tyr Tyr Ser Pro Asp Gly Ala Leu Cys Asp
            260                 265                 270

Val Asp Ala Tyr Gly Gln Ser Ser
        275                 280
```

<210> 4841
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)

BNSDOCID: <WO__0122920A2_I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4841

```
Ala Met Lys Asn Asn Asn Ile Lys Pro Tyr Gly Leu Ile Leu Lys Phe
  1               5                  10                  15

Ile Ile Leu Ile Gln Lys Leu Pro His Thr Lys Val Thr Glu Leu Pro
             20                  25                  30

Tyr Val Ser His Ile Val Xaa Glu His Lys Thr Leu Thr Thr Pro Leu
         35                  40                  45

Ile Val Ser Thr Leu Phe Cys Lys Tyr Ser Glu Tyr Phe Gly Phe Ile
     50                  55                  60

Leu Ser Arg Ile Phe Val Phe Asn Phe Ala Asn Glu Ile Phe Asn Asn
 65                  70                  75                  80
```

<210> 4842
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4842

```
Pro Ala Lys Gly Lys Lys Lys Cys Ser Pro His Ser Cys Lys Gly Leu
  1               5                  10                  15

Gln Leu Ala Thr Ala Asn Arg Lys Ile Lys Met Ile Glu Pro Phe Gly
             20                  25                  30

Asn Gln Tyr Ile Val Ala Arg Pro Val Tyr Ser Thr Asn Ala Phe Glu
         35                  40                  45

Glu Asn His Lys Lys Thr Gly Arg His His Lys Thr Phe Leu Asp His
     50                  55                  60

Leu Lys Val Cys Cys Asn Cys Ser Pro Gln Lys Ala Arg Glu Leu Ser
 65                  70                  75                  80

Ser Leu Xaa Phe Pro
                 85
```

<210> 4843
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4843
Leu Ser Ala Cys Phe Ala Tyr His Arg Asp Ile Ser Met Ala Val Pro
1 5 10 15

Pro Cys Arg Val Ala Tyr Gln Thr Asp Val Asp Cys Xaa Ile Ser Trp
20 25 30

Gln His Gln Ser Met Gly Cys Leu Thr Phe Trp Tyr Leu Ser Ser Asp
35 40 45

His Pro Tyr Pro Met Phe Ser Phe Lys His Tyr Pro Ala Ser Leu Phe
50 55 60

Ile Ile Arg Asn Ser Gly Pro Ser Val Trp Trp His Leu Glu Ser Phe
65 70 75 80

Val Pro

<210> 4844
<211> 430
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (397)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (417)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ 0122920A2 I_ >

<222> (429)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4844

```
Glu Pro Leu Ile Glu Leu Ser Asn Pro Gly Ala Ser Gly Ser Leu Phe
  1               5                  10                  15

Phe Val Thr Ser Asp Asp Glu Phe Ile Ile Lys Thr Val Gln His Lys
             20                  25                  30

Glu Ala Glu Phe Leu Gln Lys Leu Leu Pro Gly Tyr Tyr Met Asn Leu
         35                  40                  45

Asn Gln Asn Pro Arg Thr Leu Leu Pro Lys Phe Tyr Gly Leu Tyr Cys
     50                  55                  60

Met Gln Ser Gly Gly Ile Asn Ile Arg Ile Val Val Met Asn Asn Val
 65                  70                  75                  80

Leu Pro Arg Ser Met Arg Met His Phe Thr Tyr Asp Leu Lys Gly Ser
                 85                  90                  95

Thr Tyr Lys Arg Arg Ala Ser Arg Lys Glu Arg Glu Lys Ser Asn Pro
            100                 105                 110

Thr Phe Lys Asp Leu Asp Phe Leu Gln Asp Met His Glu Gly Leu Tyr
        115                 120                 125

Phe Asp Thr Glu Thr Tyr Asn Ala Leu Met Lys Thr Leu Gln Arg Asp
    130                 135                 140

Cys Arg Val Leu Glu Ser Phe Lys Ile Met Asp Tyr Ser Leu Leu Leu
145                 150                 155                 160

Gly Ile His Phe Leu Asp His Ser Leu Lys Glu Lys Glu Glu Glu Thr
                165                 170                 175

Pro Gln Asn Val Pro Asp Ala Lys Arg Thr Gly Met Gln Lys Val Leu
            180                 185                 190

Tyr Ser Thr Ala Met Glu Ser Ile Gln Gly Pro Gly Lys Ser Gly Asp
        195                 200                 205

Gly Ile Ile Thr Glu Asn Pro Asp Thr Met Gly Gly Ile Pro Ala Lys
    210                 215                 220

Ser His Arg Gly Glu Lys Leu Leu Leu Phe Met Gly Ile Ile Asp Ile
225                 230                 235                 240

Leu Gln Ser Tyr Arg Leu Met Lys Lys Leu Glu His Ser Trp Lys Ala
                245                 250                 255
```

```
Leu Val Tyr Asp Gly Asp Thr Val Ser Val His Arg Pro Ser Phe Tyr
            260                 265                 270

Ala Asp Arg Phe Leu Lys Phe Met Asn Ser Arg Val Phe Lys Lys Ile
        275                 280                 285

Gln Ala Leu Lys Ala Ser Pro Ser Lys Lys Arg Cys Asn Ser Ile Ala
    290                 295                 300

Ala Leu Lys Ala Thr Ser Gln Glu Ile Val Ser Ser Ile Ser Gln Glu
305                 310                 315                 320

Trp Lys Asp Glu Lys Arg Asp Leu Leu Thr Glu Gly Gln Ser Phe Ser
                325                 330                 335

Ser Leu Asp Glu Glu Ala Leu Gly Ser Arg His Arg Pro Asp Leu Val
            340                 345                 350

Pro Ser Thr Pro Ser Leu Phe Glu Ala Ala Ser Leu Ala Thr Thr Ile
        355                 360                 365

Ser Ser Ser Ser Leu Tyr Val Asn Glu His Tyr Pro His Asp Arg Pro
    370                 375                 380

Thr Leu Tyr Phe Lys Gln Gln Arg Val Thr Phe Gln Xaa Gln His Phe
385                 390                 395                 400

Thr Leu Gly Arg Gly Asp Leu Leu Leu Gly Pro Leu Gly Pro Asn Ile
                405                 410                 415

Xaa Gly Ser Cys Arg Val Thr Leu Phe Leu Trp Phe Xaa Arg
            420                 425                 430
```

<210> 4845
<211> 63
<212> PRT
<213> Homo sapiens

<400> 4845

```
Lys Ile Val Ser Phe Phe Phe Phe Tyr Arg Lys Leu Ser Leu Cys Asn
  1               5                  10                  15

Ser Val Ser Phe Arg Phe Leu Ser Cys Phe Cys Lys Leu Trp Glu Arg
            20                  25                  30

Leu Thr Met Gln Met Cys Gln Arg His Thr Val Gly Cys Asn Ile Asn
        35                  40                  45
```

BNSDOCID: <WO_ 0122920A2_I_>

Asn Phe Lys Cys Lys Phe Leu Trp Ile Asn Tyr Phe Tyr Ile Leu
50 55 60

<210> 4846
<211> 128
<212> PRT
<213> Homo sapiens

<400> 4846
Ala Cys Pro Arg Pro Arg Thr Pro Asp Pro Ser His Pro Phe Gln Arg
1 5 10 15

Pro Arg Ala Arg Pro Trp Thr Glu Leu Leu Val Leu Cys Arg Glu Thr
20 25 30

Ile Gln Pro Lys Leu Trp Glu Ala Gln Ser Ile Glu Trp Ala Glu Ala
35 40 45

Ala Gly Ala Glu Pro Gly Arg Val Leu Gly Val His Pro Ser Leu Arg
50 55 60

Arg Gln Val Pro Gln Gly Pro Thr His Leu Lys Pro Ala Cys Thr Val
65 70 75 80

Glu Val Val Glu Val Asp Thr Pro Arg Gly Phe Ser Lys Ala Arg Leu
85 90 95

Ala Ala Pro Cys Ser Gly Lys Leu Asn Tyr Ser Arg Phe Arg Ser Ser
100 105 110

Val Asp Ser His Gln Ser Gly Gly Val Leu Lys Glu Phe Tyr Val Asp
115 120 125

<210> 4847
<211> 175
<212> PRT
<213> Homo sapiens

<400> 4847
His Glu Leu Thr Asp Ala Ala Ser Ile Ala Ala Ala Arg Gly Glu Met
1 5 10 15

Ser Glu Val Arg Pro Leu Ser Arg Asp Ile Leu Met Glu Thr Leu Leu
20 25 30

```
Tyr Glu Gln Leu Leu Glu Pro Pro Thr Met Glu Val Leu Gly Met Thr
         35                  40                  45

Asp Ser Glu Glu Asp Leu Asp Pro Met Glu Asp Phe Asp Ser Leu Glu
     50                  55                  60

Cys Met Glu Gly Ser Asp Ala Leu Ala Leu Arg Leu Ala Cys Ile Gly
 65                  70                  75                  80

Asp Glu Met Asp Val Ser Leu Arg Ala Pro Arg Leu Ala Gln Leu Ser
                 85                  90                  95

Glu Val Ala Met His Ser Leu Gly Leu Ala Phe Ile Tyr Asp Gln Thr
            100                 105                 110

Glu Asp Ile Arg Asp Val Leu Arg Ser Phe Met Asp Gly Phe Thr Thr
        115                 120                 125

Leu Lys Glu Asn Ile Met Arg Phe Trp Arg Ser Pro Asn Pro Gly Ser
    130                 135                 140

Trp Val Ser Cys Glu Gln Val Leu Leu Ala Leu Leu Leu Leu Leu Ala
145                 150                 155                 160

Leu Leu Leu Pro Leu Leu Ser Gly Gly Leu His Leu Leu Leu Lys
                165                 170                 175
```

<210> 4848
<211> 179
<212> PRT
<213> Homo sapiens

<400> 4848

```
Ser Thr Leu Arg Ile Pro Gly Pro Cys Phe Pro Ser Glu Lys Thr His
  1               5                  10                  15

Asn His Asp Pro Gln Pro Gly Asp Pro Asn Ser Arg Pro Ser Ser Pro
            20                  25                  30

Lys Pro Ala Gln Pro Ala Leu Lys Met Gln Val Leu Tyr Glu Phe Glu
        35                  40                  45

Ala Arg Asn Pro Arg Glu Leu Thr Val Val Gln Gly Glu Lys Leu Glu
    50                  55                  60

Val Leu Asp His Ser Lys Arg Trp Trp Leu Val Lys Asn Glu Ala Gly
65                  70                  75                  80
```

BNSDOCID: <WO__0122920A2_I_>

Arg Ser Gly Tyr Ile Pro Ser Asn Ile Leu Glu Pro Leu Gln Pro Gly
85 90 95

Thr Pro Gly Thr Gln Gly Gln Ser Pro Ser Arg Val Pro Met Leu Arg
100 105 110

Leu Ser Ser Arg Pro Glu Glu Val Thr Asp Trp Leu Gln Ala Glu Asn
115 120 125

Phe Ser Thr Ala Thr Val Arg Thr Leu Gly Ser Leu Thr Gly Ser Gln
130 135 140

Leu Leu Arg Ile Arg Pro Gly Glu Leu Gln Met Leu Cys Pro Gln Glu
145 150 155 160

Ala Pro Arg Ile Leu Ser Arg Leu Glu Ala Val Arg Arg Met Leu Gly
165 170 175

Ile Ser Pro

<210> 4849
<211> 111
<212> PRT
<213> Homo sapiens

<400> 4849
Leu Arg Arg Ser Gly Leu Ser Arg Asp Ala Thr Leu Thr Cys Leu Val
1 5 10 15

Pro Ser Ala Ala Phe Gly Cys Ala Gly Lys Leu Arg Arg Gln Trp Pro
20 25 30

Arg Asp Pro Ala Cys Leu Arg Arg Pro Arg Leu Asp Ala Lys Glu Leu
35 40 45

Gln His Pro Gly Asp Lys Met Pro Thr Gly Lys Gln Leu Ala Asp Ile
50 55 60

Gly Tyr Lys Thr Phe Ser Thr Ser Met Met Leu Leu Thr Val Tyr Gly
65 70 75 80

Gly Tyr Leu Cys Ser Val Arg Val Tyr His Tyr Phe Gln Trp Arg Arg
85 90 95

Ala Gln Arg Gln Ala Ala Glu Glu Gln Lys Thr Ser Gly Ile Met
100 105 110

BNSDOCID: <WO___0122920A2_I_>

<210> 4850
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4850
Pro Met Gly Arg Arg Leu Trp Arg Leu Leu Leu Ser Pro Gln Leu Pro
1 5 10 15

Ala Gly Gly Thr Val Ser Pro Phe Pro Gln Gly Thr Trp Leu Ser Gly
20 25 30

Gly Asn Ala His Phe Pro Gly Leu Asp Cys Gln Leu Phe Leu Ala Gly
35 40 45

Glu Glu Pro Cys Leu Ser Ala Pro Glu Pro Thr Val Arg Gly Xaa Ser
50 55 60

Arg Leu Gln Pro Leu Ala Gln Ser Gln Gln Pro Ala Lys His Thr Glu
65 70 75 80

Gly Asp Cys His Leu Pro Leu Pro Ala Ala Glu Pro Gln Arg Ser Asp
85 90 95

Gly Ser Tyr Thr Gly Gln Gly Phe Leu Leu Gly Ile Thr Ser His Arg
100 105 110

Asn Gln

<210> 4851
<211> 319
<212> PRT
<213> Homo sapiens

<400> 4851
Arg Ala Tyr Lys Pro Ser Arg Val Leu Arg Glu Leu Gln Leu Asp Lys
1 5 10 15

Asp Ser Val Trp His Gly Cys Gly Glu Val Leu Lys Ala Lys Tyr Lys
20 25 30

Gly Lys Ser Tyr Arg Ala Thr Val Glu Ile Val Lys Thr Ala Asp Arg

BNSDOCID: <WO _ 0122920A2 1 >

35 40 45

Val Thr Glu Phe Cys Arg Gln Thr Cys Ile Lys Leu Glu Cys Cys Pro
50 55 60

Asn Leu Phe Gly Pro Arg Met Val Leu Asp Lys Cys Ser Glu Asn Cys
65 70 75 80

Ser Val Leu Thr Lys Thr Lys Tyr Thr His Tyr Tyr Gly Lys Lys Lys
85 90 95

Asn Lys Arg Ile Gly Arg Pro Pro Gly Gly His Ser Asn Leu Ala Cys
100 105 110

Ala Leu Lys Lys Ala Ser Lys Arg Arg Lys Arg Arg Lys Asn Val Phe
115 120 125

Val His Lys Lys Lys Arg Ser Ser Ala Ser Val Asp Asn Thr Pro Ala
130 135 140

Gly Ser Pro Gln Gly Ser Gly Gly Glu Asp Glu Asp Asp Pro Asp Glu
145 150 155 160

Gly Asp Asp Asp Ser Leu Ser Glu Gly Ser Thr Ser Glu Gln Gln Asp
165 170 175

Glu Leu Gln Glu Glu Ser Glu Met Ser Glu Lys Lys Ser Cys Ser Ser
180 185 190

Ser Pro Thr Gln Ser Glu Ile Ser Thr Ser Leu Pro Pro Asp Arg Gln
195 200 205

Arg Arg Lys Arg Glu Leu Arg Thr Phe Ser Phe Ser Asp Asp Glu Asn
210 215 220

Lys Pro Pro Ser Pro Lys Glu Ile Arg Ile Glu Val Ala Glu Arg Leu
225 230 235 240

His Leu Asp Ser Asn Pro Leu Lys Trp Ser Val Ala Asp Val Val Arg
245 250 255

Phe Ile Arg Ser Thr Asp Cys Ala Pro Leu Ala Arg Ile Phe Leu Asp
260 265 270

Gln Glu Ile Asp Gly Gln Ala Leu Leu Leu Leu Thr Leu Pro Thr Val
275 280 285

Gln Glu Cys Met Asp Leu Lys Leu Gly Pro Ala Ile Lys Leu Cys His
290 295 300

His Ile Glu Arg Ile Lys Phe Ala Phe Tyr Glu Gln Phe Ala Asn

305 310 315

<210> 4852
<211> 99
<212> PRT
<213> Homo sapiens

<400> 4852
Leu Pro Pro His His Pro Pro His Leu Phe Ser Gly Arg Val Gly Ile
1 5 10 15

Ala Ala Gly Gly Asp Phe Gly Ser Leu Ala Thr Pro Ala Arg Thr Ala
20 25 30

Gly Gln Pro Leu Cys Gly Asp Ala Trp Cys Pro Ile Cys Arg Pro Ser
35 40 45

Glu Glu Cys Thr Ala Phe Thr Phe Tyr Cys Val Arg Val His Pro Asp
50 55 60

Cys Ser Ile Gln Lys Ser Phe Phe Phe Pro His Arg Gln Ser Gly Asn
65 70 75 80

Asp Ser Phe Pro Asp Cys Phe Cys Leu Val Pro Gly Asn Leu Glu Ser
85 90 95

Ile Pro Gln

<210> 4853
<211> 59
<212> PRT
<213> Homo sapiens

<400> 4853
Asp Pro Ser Ile Leu Glu Thr Asn Ala Pro Leu Lys Ser Asn Ile Tyr
1 5 10 15

Thr Ala Val Asn Ile Cys Lys Val Ser Met Phe Asn Ser Leu Arg Ile
20 25 30

Leu Arg Ile Met Asp Leu Leu Ala Lys Ile Pro Leu Lys Gln Leu Ser
35 40 45

His Ile Ser Asn Phe Tyr Leu Gly Lys Gln Val
50 55

<210> 4854
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4854
Asp Lys Ala Lys Gly Pro Leu Leu Ala Gly His Pro Cys Pro Ile Phe
1 5 10 15

Ser Pro Gly Pro Phe Pro Cys Gly His Arg Glu Val Trp Pro Glu Tyr
20 25 30

Pro Thr Pro Ala Pro Leu His Pro Glu Leu Gly Ala Thr Ser Glu Val
35 40 45

Ser Ser Leu Ser Glu His Ala Phe Pro Cys Ser Xaa Arg Gly Met Ser
50 55 60

Arg Leu Ser Asp Ala Gly Ala Glu Arg Pro Gly Arg Lys Gly Val Gln
65 70 75 80

Pro Val Val Cys Lys Ala Leu Val Gly Thr Cys
85 90

<210> 4855
<211> 84
<212> PRT
<213> Homo sapiens

<400> 4855
Arg Arg Phe Cys Ser Asn Asn Arg Asp Gln Arg Val Asn Gln Ile Trp
1 5 10 15

Phe Ser Cys Tyr Asn Cys Met Ile Gln Arg Gln Phe Asn His Pro Lys
20 25 30

Phe Pro Trp Pro Pro Gln Ser Arg Pro Ala Ile Arg Phe Leu Leu Gln
35 40 45

Val Gly Val Asn Leu His Phe Glu Ser Cys Gly Ser Phe Gly Asp Leu
50 55 60

Val Leu Phe Tyr Phe Ala Leu Leu Ile Lys Glu Leu Val Glu Lys Lys
65 70 75 80

Lys Lys Lys Thr

<210> 4856
<211> 105
<212> PRT
<213> Homo sapiens

<400> 4856
Val Asn Ser Arg Arg Gly Gly Lys Arg Ser Cys Arg Gly Gly Lys Asn
1 5 10 15

Lys Pro Val Pro Thr Thr Glu Thr Pro Asn His Leu Ser Pro Val Asp
20 25 30

Gly Pro Ala Lys Thr Ser Thr Gln Gln Asp Tyr Arg Gly Arg Asn Pro
35 40 45

Lys Cys Trp Cys Gly Arg Ser Lys Thr Trp Gly Glu Phe Leu Asp Leu
50 55 60

Glu Leu Arg Ala Met Gly Leu Asp Met Thr Gly Thr Asn Ser Cys His
65 70 75 80

Met Phe Met Val Arg Cys His Thr Phe Ser Ala Val Leu Phe His Gln
85 90 95

Tyr Leu Pro Gly Lys Gln Arg Met Cys
100 105

<210> 4857
<211> 165
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (157)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4857

```
Arg Phe Thr Ala Ser Ser Ser Ser Gly Met Val Pro Lys Leu Pro Ala
  1               5                  10                  15

Gly Lys Met Asn Asn Arg Asp Leu Lys Pro Gln Pro Asp Ile Val Leu
             20                  25                  30

Leu Pro Leu Pro Thr Ala Tyr Glu Leu Asp Ser Thr Lys Leu Lys Ser
         35                  40                  45

Pro Leu Ile Thr Ser Pro Met Phe Arg Asn Val Pro Thr Ala Asn Pro
     50                  55                  60

Thr Glu Pro Gly Ile Arg Arg Val Pro Gly Ala Ser Xaa Val Ile Arg
 65                  70                  75                  80

Glu Ser Ser Ser Thr Thr Gly Met Val Val Gly Ile Val Ala Ala Ala
                 85                  90                  95

Ala Leu Cys Ile Leu Ile Leu Leu Tyr Ala Met Tyr Lys Tyr Arg Asn
            100                 105                 110

Arg Asp Glu Gly Ser Tyr Gln Val Asp Glu Thr Arg Asn Tyr Ile Ser
        115                 120                 125

Asn Ser Ala Gln Ser Asn Gly Thr Leu Met Lys Gly Glu Ser Ser Xaa
    130                 135                 140

Xaa Arg Arg Ala Gly His Lys Lys Pro Glu Lys Thr Xaa Gly Gln Gly
145                 150                 155                 160

Lys Tyr Leu Thr Trp
                165
```

<210> 4858
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4858
Ser Leu Ala Lys His Leu Asn His Leu Ser Ile Leu Ser Trp Xaa Ile
1 5 10 15

Ile Ile Lys Ala Gln Asn Asn Leu Leu Leu Glu Asn Met Cys Phe Xaa
20 25 30

Asn Glu Xaa Lys Xaa Ile Lys Lys Xaa Lys Lys Gly Ala Ala Gly Leu
35 40 45

<210> 4859
<211> 86
<212> PRT
<213> Homo sapiens

<400> 4859
Glu Gly Met Gly His Thr Ser Pro Arg Ala Asp Pro Ala Gly Gly Ser
1 5 10 15

Pro Gly Ala Gly Ser Cys Arg Pro Gly Ala Gly Pro Cys His Pro Gly

20 25 30

Arg Ala Arg Asp Met Ala Gly Pro Gly His Pro Gly Ala Gly Leu Gly
35 40 45

Arg Pro Gly Arg His Arg Glu Gly Arg Asp Gly Arg Pro Arg Pro Ser
50 55 60

Ala Val Pro Ala Thr Pro Met His Arg Ser Ser Ser Leu Pro His Pro
65 70 75 80

Lys Ala Val Ala Gly Ala
85

<210> 4860
<211> 144
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4860
His Arg Ala Xaa Ser Glu Ala Glu Met Gln Trp Arg Leu Gln Val Asn
1 5 10 15

Arg Leu Gln Glu Leu Ile Asp Gln Leu Glu Cys Lys Ala Pro Arg Leu
20 25 30

Glu Pro Leu Arg Glu Glu Asp Leu Ala Lys Gly Pro Asp Leu His Ile
35 40 45

Leu Met Ala Gln Arg Gln Val Gln Val Ala Glu Glu Gly Leu Gln Asp
50 55 60

Phe His Arg Ala Leu Arg Cys Tyr Val Asp Phe Thr Gly Ala Gln Ser
65 70 75 80

His Cys Leu His Val Ser Ala Gln Lys Met Leu Asp Gly Ala Ser Phe
85 90 95

Thr Leu Tyr Glu Phe Trp Gln Asp Glu Ala Ser Trp Arg Arg His Gln
100 105 110

Gln Ser Pro Gly Ser Lys Ala Phe Gln Arg Ile Leu Ile Asp His Cys
115 120 125

```
Gly Pro Arg Thr Pro Ser Pro Leu Cys Ser Ser Gln Pro Pro Gly Gly
    130                 135                 140
```

<210> 4861
<211> 595
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (392)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (393)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (571)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4861

```
Leu Ile Gln Asn Val Thr Gln Asn Asp Thr Gly Phe Tyr Thr Leu His
  1               5                  10                  15

Val Ile Lys Ser Asp Leu Val Asn Glu Glu Ala Thr Gly Gln Phe Arg
             20                  25                  30

Val Tyr Pro Glu Leu Pro Lys Pro Ser Ile Ser Ser Asn Asn Ser Lys
         35                  40                  45

Pro Val Glu Asp Lys Asp Ala Val Ala Phe Thr Cys Glu Pro Glu Thr
     50                  55                  60

Gln Asp Ala Thr Tyr Leu Trp Trp Val Asn Asn Gln Ser Leu Pro Val
 65                  70                  75                  80

Ser Pro Arg Leu Gln Leu Ser Asn Gly Asn Arg Thr Leu Thr Leu Phe
                 85                  90                  95

Asn Val Thr Arg Asn Asp Thr Ala Ser Tyr Lys Cys Glu Thr Gln Asn
            100                 105                 110

Pro Val Ser Ala Arg Arg Ser Asp Ser Val Ile Leu Asn Val Leu Tyr
```

115 120 125

Gly Pro Asp Ala Pro Thr Ile Ser Pro Leu Asn Thr Ser Tyr Arg Ser
130 135 140

Gly Glu Asn Leu Asn Leu Ser Cys His Ala Ala Ser Asn Pro Pro Ala
145 150 155 160

Gln Tyr Ser Trp Phe Val Asn Gly Thr Phe Gln Gln Ser Thr Gln Glu
165 170 175

Leu Phe Ile Pro Asn Ile Thr Val Asn Asn Ser Gly Ser Tyr Thr Cys
180 185 190

Gln Ala His Asn Ser Asp Thr Gly Leu Asn Arg Thr Thr Val Thr Thr
195 200 205

Ile Thr Val Tyr Ala Glu Pro Pro Lys Pro Phe Ile Thr Ser Asn Asn
210 215 220

Ser Asn Pro Val Glu Asp Glu Asp Ala Val Ala Leu Thr Cys Glu Pro
225 230 235 240

Glu Ile Gln Asn Thr Thr Tyr Leu Trp Trp Val Asn Asn Gln Ser Leu
245 250 255

Pro Val Ser Pro Arg Leu Gln Leu Ser Asn Asp Asn Arg Thr Leu Thr
260 265 270

Leu Leu Ser Val Thr Arg Asn Asp Val Gly Pro Tyr Glu Cys Gly Ile
275 280 285

Gln Asn Glu Leu Ser Val Asp His Ser Asp Pro Val Ile Leu Asn Val
290 295 300

Leu Tyr Gly Pro Asp Asp Pro Thr Ile Ser Pro Ser Tyr Thr Tyr Tyr
305 310 315 320

Arg Pro Gly Val Asn Leu Ser Leu Ser Cys His Ala Ala Ser Asn Pro
325 330 335

Pro Ala Gln Tyr Ser Trp Leu Ile Asp Gly Asn Ile Gln Gln His Thr
340 345 350

Gln Glu Leu Phe Ile Ser Asn Ile Thr Glu Lys Asn Ser Gly Leu Tyr
355 360 365

Thr Cys Gln Ala Asn Asn Ser Ala Ser Gly His Ser Arg Thr Thr Val
370 375 380

Lys Thr Ile Thr Val Ser Ala Xaa Xaa Pro Lys Pro Ser Ile Ser Ser

BNSDOCID: <WO___0122920A2_I >

385 390 395 400

Asn Asn Ser Lys Pro Val Glu Asp Lys Asp Ala Val Ala Phe Thr Cys
405 410 415

Glu Pro Glu Ala Gln Asn Thr Thr Tyr Leu Trp Trp Val Asn Gly Gln
420 425 430

Ser Leu Pro Val Ser Pro Arg Leu Gln Leu Ser Asn Gly Asn Arg Thr
435 440 445

Leu Thr Leu Phe Asn Val Thr Arg Asn Asp Ala Arg Ala Tyr Val Cys
450 455 460

Gly Ile Gln Asn Ser Val Ser Ala Asn Arg Ser Asp Pro Val Thr Leu
465 470 475 480

Asp Val Leu Tyr Gly Pro Asp Thr Pro Ile Ile Ser Pro Pro Asp Ser
485 490 495

Ser Tyr Leu Ser Gly Ala Asn Leu Asn Leu Ser Cys His Ser Ala Ser
500 505 510

Asn Pro Ser Pro Gln Tyr Ser Trp Arg Ile Asn Gly Ile Pro Gln Gln
515 520 525

His Thr Gln Val Leu Phe Ile Ala Lys Ile Thr Pro Asn Asn Asn Gly
530 535 540

Thr Tyr Ala Cys Phe Val Ser Asn Leu Ala Thr Gly Arg Asn Asn Ser
545 550 555 560

Ile Val Lys Ser Ile Thr Val Ser Ala Ser Xaa Thr Ser Pro Gly Leu
565 570 575

Ser Ala Gly Ala Thr Val Gly Ile Met Ile Gly Val Leu Val Gly Val
580 585 590

Ala Leu Ile
595

<210> 4862
<211> 134
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)

BNSDOCID: <WO_ 0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4862

```
Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Ala Leu Lys Glu
  1               5                  10                  15

Val Phe Lys Glu Tyr Leu Ile Glu Leu Xaa Xaa Leu Gln His Phe Gln
            20                  25                  30

Gly Asn Met Met Asp Phe Leu Ala Phe Lys Glu Arg Leu Tyr Gly Pro
         35                  40                  45

Leu Gln Ala Tyr Leu Arg Gln Asn Asp Leu Asp Ile Glu Glu Glu Glu
     50                  55                  60

Glu Glu His Phe Glu Val Ile Asn Asp Glu Val Lys Val Val Ala Arg
 65                  70                  75                  80

Lys His Gly Gln Pro Gly Thr Pro Val Ala Ile Ala Thr Xaa Xaa Pro
                85                  90                  95

Pro Arg Thr Ser Ala Ala Phe Pro Ala Gln Gln Gln Pro Leu Gln Val
            100                 105                 110

Leu Ser Asp Gly Ser Thr Val Gln Leu Pro Arg Leu Ser Ser Leu Gly
        115                 120                 125

Phe Glu Asp Ser Met Cys
    130
```

<210> 4863
<211> 209
<212> PRT
<213> Homo sapiens

<400> 4863

```
Leu Val Pro Arg Pro Arg Pro Arg Gln Leu Cys Ala Val Ile His Ser
  1               5                  10                  15

Leu Leu Arg Pro Gly Ala Pro Phe Pro Ala Arg Arg Arg Ala Arg Gln
             20                  25                  30

Leu Gly Val Gln Arg Pro Arg Asn His Glu Gln Val Ser Arg Ser Ser
         35                  40                  45

Glu Ala Pro Gly Thr Pro Ala His Ala Met Ala Asp Ser Glu Arg Leu
     50                  55                  60

Ser Ala Pro Gly Cys Trp Ala Ala Cys Thr Asn Phe Ser Arg Thr Arg
 65                  70                  75                  80

Lys Gly Ile Leu Leu Phe Ala Glu Ile Ile Leu Cys Leu Val Ile Leu
                 85                  90                  95

Ile Cys Phe Ser Ala Ser Thr Pro Gly Tyr Ser Ser Leu Ser Val Ile
            100                 105                 110

Glu Met Ile Leu Ala Ala Ile Phe Phe Val Val Tyr Met Cys Asp Leu
        115                 120                 125

His Thr Lys Ile Pro Phe Ile Asn Trp Pro Trp Ser Asp Phe Phe Arg
    130                 135                 140

Thr Leu Ile Ala Ala Ile Leu Tyr Leu Ile Thr Ser Ile Val Val Leu
145                 150                 155                 160

Val Glu Arg Gly Asn His Ser Lys Ile Val Ala Gly Val Leu Gly Leu
                165                 170                 175

Ile Ala Thr Cys Leu Phe Gly Tyr Asp Ala Tyr Val Thr Phe Pro Val
            180                 185                 190

Arg Gln Pro Arg His Thr Ala Ala Pro Thr Asp Pro Ala Asp Gly Pro
        195                 200                 205

Val
```

<210> 4864
<211> 129
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I_>

<400> 4864
Val Cys Val Arg Val Arg Gly Arg Asn Arg Ser Ala Arg Ser Leu Pro
1 5 10 15

Leu Glu Gln Cys Leu Pro Gln Tyr Phe Cys Arg Gly Lys Asp Arg Asn
20 25 30

Ser Leu Leu Gly Phe Leu Gln Ser Pro Cys Thr Cys Gln Ser Phe Ser
35 40 45

Tyr Gln Cys Lys Gly Asn Pro Glu Leu Arg Phe Glu Leu Ser His His
50 55 60

Leu His Gly Gln Ile Ser Pro Leu Pro Lys Gly Ser Phe Arg Leu Trp
65 70 75 80

Val Tyr Leu Phe Leu His Ala Ser Ser Trp Gln Cys Pro Val Glu Ala
85 90 95

Tyr Leu Pro Ile Cys Val Cys Ile His Ser Leu Lys Thr Thr Arg Gln
100 105 110

Lys Lys Lys Lys Lys Thr Arg Gly Gly Ala Arg Tyr Pro Ile Arg Ala
115 120 125

Ile

<210> 4865
<211> 316
<212> PRT
<213> Homo sapiens

<400> 4865
Cys Met Asp Phe Gly Val Leu Val Pro Thr Ala Tyr Met Phe Trp Gly
1 5 10 15

Leu Leu Ser Cys Ser Leu Pro Thr Phe Cys Val Met Ser Val Pro Gly
20 25 30

Arg Trp Pro Pro Ala Arg Trp Arg Leu Ser Ile Leu Ala Val Ser Ile
35 40 45

Met Pro Cys Val Cys Leu Ala Ser Leu Leu Gln Ile Leu Trp Thr Arg
50 55 60

Ser Ser Ser Pro Ala His His Leu Ala Ser Pro Phe Leu Cys Val Gln
65 70 75 80

```
Ile Trp Gln Cys Gly Gly Val Leu Glu Thr His Pro Cys Ser His Val
                 85                  90                  95

Gly His Val Phe Pro Lys Gln Ala Pro Tyr Ser Arg Asn Lys Ala Leu
            100                 105                 110

Ala Asn Ser Val Arg Ala Ala Glu Val Trp Met Asp Glu Phe Lys Glu
        115                 120                 125

Leu Tyr Tyr His Arg Asn Pro Arg Ala Arg Leu Glu Pro Phe Gly Asp
    130                 135                 140

Val Thr Glu Arg Lys Gln Leu Arg Asp Lys Leu Gln Cys Lys Asp Phe
145                 150                 155                 160

Lys Trp Phe Leu Glu Thr Val Tyr Pro Glu Leu His Val Pro Glu Asp
                165                 170                 175

Arg Pro Gly Phe Phe Gly Met Leu Gln Asn Lys Gly Leu Thr Asp Tyr
            180                 185                 190

Cys Phe Asp Tyr Asn Pro Pro Asp Glu Asn Gln Ile Val Gly His Gln
        195                 200                 205

Val Ile Leu Tyr Leu Cys His Gly Met Gly Gln Asn Gln Phe Phe Glu
    210                 215                 220

Tyr Thr Ser Gln Lys Glu Ile Arg Tyr Asn Thr His Gln Pro Glu Gly
225                 230                 235                 240

Cys Ile Ala Val Glu Ala Gly Met Asp Thr Leu Ile Met His Leu Cys
                245                 250                 255

Glu Glu Thr Ala Pro Glu Asn Gln Lys Phe Ile Leu Gln Glu Asp Gly
            260                 265                 270

Ser Leu Phe His Glu Gln Ser Lys Lys Cys Val Gln Ala Ala Arg Lys
        275                 280                 285

Glu Ser Ser Asp Ser Phe Val Pro Leu Leu Arg Asp Cys Thr Asn Ser
    290                 295                 300

Asp His Gln Lys Trp Phe Phe Lys Glu Arg Met Leu
305                 310                 315
```

<210> 4866
<211> 220
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4866

```
Lys Ala Arg Arg Arg Gly Thr Met Ala Ala Ala Asp Glu Arg Ser
 1               5                  10                  15

Pro Glu Asp Gly Glu Asp Glu Glu Glu Glu Gln Leu Val Leu Val
            20                  25                  30

Glu Leu Ser Gly Ile Ile Asp Ser Xaa Phe Leu Ser Lys Cys Glu Asn
        35                  40                  45

Lys Cys Lys Val Leu Gly Ile Asp Thr Glu Arg Pro Ile Leu Gln Val
    50                  55                  60

Asp Ser Cys Val Phe Ala Gly Glu Tyr Glu Asp Thr Leu Gly Thr Cys
65                  70                  75                  80

Val Ile Phe Glu Glu Asn Val Glu His Ala Asp Thr Glu Gly Asn Asn
                85                  90                  95

Lys Thr Val Leu Lys Tyr Lys Cys His Thr Met Lys Lys Leu Ser Met
            100                 105                 110

Thr Arg Thr Leu Leu Thr Glu Lys Lys Glu Gly Glu Glu Asn Ile Gly
        115                 120                 125

Gly Val Glu Trp Leu Gln Ile Lys Asp Asn Asp Phe Ser Tyr Arg Pro
    130                 135                 140

Asn Met Ile Cys Asn Phe Leu His Glu Asn Glu Asp Glu Glu Val Val
145                 150                 155                 160

Ala Ser Ala Pro Asp Lys Ser Leu Glu Leu Glu Glu Glu Glu Ile Gln
                165                 170                 175

Met Asn Asp Ser Ser Asn Leu Ser Cys Glu Gln Glu Lys Pro Met His
            180                 185                 190

Leu Glu Ile Glu Asp Ser Gly Pro Leu Ile Asp Ile Pro Ser Glu Thr
        195                 200                 205

Glu Gly Ser Val Phe Met Glu Thr Gln Met Leu Pro
    210                 215                 220
```

<210> 4867
<211> 88
<212> PRT
<213> Homo sapiens

<400> 4867
Lys Thr Leu Phe Thr Tyr Ser Phe His Gly Tyr Asn Thr Leu Ala Asp
1 5 10 15

Phe Leu Leu Ala Leu Gly Ala Met Ile Leu Ile Thr Phe Cys Lys Val
20 25 30

Thr Asn Val Ile His Ser Thr Leu Cys Gly Ser His Leu Phe Arg Leu
35 40 45

Met Cys Phe Gly Glu Arg Lys Lys Phe Leu Ala Glu Tyr Tyr Phe Glu
50 55 60

Leu Ser Arg Thr Leu Ser His Gln Arg Gln Phe Phe Ser Val Gln Phe
65 70 75 80

Pro Ile Pro Asp Asn Leu Leu Lys
85

<210> 4868
<211> 64
<212> PRT
<213> Homo sapiens

<400> 4868
Ser Leu Ile Cys Tyr Val Gln Ser Leu Lys Ala Thr Thr His Phe Phe
1 5 10 15

Leu Lys Val Asp Ala Phe Ser Ala Val Leu Glu Ser Val Phe Cys Phe
20 25 30

Trp Gln Glu Ser Cys Lys Leu Cys Ile Leu Lys Gln Met Gln Lys Val
35 40 45

Val Leu Cys Lys Thr Phe Val Phe Cys Leu Ser Gln Ile Asn Ile Leu
50 55 60

<210> 4869
<211> 66

BNSDOCID: <WO__0122920A2 I_>

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4869
Met Cys Arg Leu Cys Ile Cys Val Asn Ile Tyr Thr Pro Arg Cys His
1 5 10 15

Ser Lys Cys Leu Glu Ile Thr Val His Thr Cys Xaa Leu Pro Ser Ser
20 25 30

Leu Glu Leu Leu Ser Cys Asn Met Ala Leu Lys Asn Tyr Pro Ile Ser
35 40 45

Xaa Val Leu Cys Leu Gly Asn Met Val Asn Trp Arg Ile Leu Thr His
50 55 60

Ser Val
65

<210> 4870
<211> 81
<212> PRT
<213> Homo sapiens

<400> 4870
Arg His Leu Leu Ile His Gly Leu Tyr Arg Asn Glu Ala Gly Cys Asn
1 5 10 15

Thr Asn Leu Glu Ser Pro Ser Trp Arg Thr Ile Lys Leu Phe Lys Asp
20 25 30

His Pro Trp Pro Gly Thr Val Val His Thr Cys Asn Pro Ser Thr Leu
35 40 45

Gly Gly Leu Gly Arg Gln Thr Glu Leu Arg Ser Leu Arg Pro Ala Trp
50 55 60

Ala Thr Trp Gln Lys Pro Thr Ser Thr Lys Ser Thr Lys Ile Ser Arg
65 70 75 80

Ala

<210> 4871
<211> 141
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4871
Ala Gly Gln Arg His Ser Pro Trp Pro Leu Ile Ala Leu Leu Val Arg
1 5 10 15

Ala Asp Gly Xaa Pro Arg Ser Val Val Pro Ala Trp Xaa Thr Glu Ala
20 25 30

Pro Xaa Ala Thr Leu Glu Xaa Arg Phe Thr Pro His Ala Glu Met Asp
35 40 45

Leu Gly Gln Leu Ser Ser Gln Asp Val Gly Gln Ala Ser Phe Lys Tyr
50 55 60

Phe Gln Ser Ala Glu Glu Ala Lys Arg Ala Ile Glu Ala Val Leu Ser
65 70 75 80

Ala Asp Pro Arg Ser Val Tyr Arg Arg Lys Leu Cys Gln Asp Arg Leu
85 90 95

Phe Tyr Phe Thr Val Asp Ile Ala His Val Thr Cys Trp Phe Gly Asp

100 105 110

Gly Phe Ala Glu Val Leu Arg Ile Lys Pro Ala Ser Glu Pro Val His
115 120 125

Met Thr Gly Pro Val Gly Ser Leu Val Ser Leu Gly Ser
130 135 140

<210> 4872
<211> 241
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4872
Val Ser Val Gly Gly Leu Ile Xaa Asn Leu Ile Gly Ile Cys Ala Phe
1 5 10 15

Ser His Ala His Ser His Ala His Gly Ala Ser Gln Gly Ser Cys His
20 25 30

Ser Ser Asp His Ser His Ser His His Met His Gly His Ser Asp His
35 40 45

Gly His Gly His Ser His Gly Ser Ala Gly Gly Gly Met Asn Ala Asn
50 55 60

Met Arg Gly Val Phe Leu His Val Leu Ala Asp Thr Leu Gly Ser Ile
65 70 75 80

Gly Val Ile Val Ser Thr Val Leu Ile Glu Gln Phe Gly Trp Phe Ile
85 90 95

Ala Asp Pro Leu Cys Ser Leu Phe Ile Ala Ile Leu Ile Phe Leu Ser
100 105 110

Val Val Pro Leu Ile Lys Asp Ala Cys Gln Val Leu Leu Leu Arg Leu
115 120 125

Pro Pro Glu Tyr Glu Lys Glu Leu His Ile Ala Leu Glu Lys Ile Gln
130 135 140

Lys Ile Glu Gly Leu Ile Ser Tyr Arg Asp Pro His Phe Trp Arg His
145 150 155 160

BNSDOCID: <WO__0122920A2_I_>

Ser Ala Ser Ile Val Ala Gly Thr Ile His Ile Gln Val Thr Ser Asp
165 170 175

Val Leu Glu Gln Arg Ile Val Gln Gln Val Thr Gly Ile Leu Lys Asp
180 185 190

Ala Gly Val Asn Asn Leu Thr Ile Gln Val Glu Lys Glu Ala Tyr Phe
195 200 205

Gln His Met Ser Gly Leu Ser Thr Gly Phe His Asp Val Leu Ala Met
210 215 220

Thr Lys Gln Met Glu Ser Met Lys Tyr Cys Lys Asp Gly Thr Tyr Ile
225 230 235 240

Met

<210> 4873
<211> 375
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4873
Ser Phe Gly Glu Arg Ala Pro Ser Thr Arg Ser Gly Asp Pro Leu Val
1 5 10 15

Ala Val Leu Pro Thr Arg Thr Arg Val Pro Gln Ala Ser Arg Cys Pro
20 25 30

Ala Gly Ser Ser Cys Pro Thr Pro Gly Ala Arg Pro Pro Ala Ser Pro
35 40 45

Gly Pro Leu Pro Arg Pro Ser Ser Arg Arg Ala Arg Ser Met Ala Pro
50 55 60

Pro Gln Val Leu Ala Phe Gly Leu Leu Leu Ala Ala Ala Thr Ala Thr
65 70 75 80

Phe Ala Ala Ala Gln Glu Glu Cys Val Cys Glu Asn Tyr Lys Leu Ala
85 90 95

Val Asn Cys Phe Val Asn Asn Asn Arg Gln Cys Gln Cys Thr Ser Val
100 105 110

```
Gly Ala Gln Asn Thr Val Ile Cys Ser Lys Leu Ala Ala Lys Cys Leu
        115                 120                 125

Val Met Lys Ala Glu Met Asn Gly Ser Lys Leu Gly Arg Arg Ala Lys
    130                 135                 140

Pro Glu Gly Ala Leu Gln Asn Asn Asp Gly Leu Tyr Asp Pro Asp Cys
145                 150                 155                 160

Asp Glu Ser Gly Leu Phe Lys Ala Lys Gln Cys Asn Gly Thr Ser Xaa
                165                 170                 175

Cys Trp Cys Val Asn Thr Ala Gly Val Arg Arg Thr Asp Lys Asp Thr
            180                 185                 190

Glu Ile Thr Cys Ser Glu Arg Val Arg Thr Tyr Trp Ile Ile Ile Glu
        195                 200                 205

Leu Lys His Lys Ala Arg Glu Lys Pro Tyr Asp Ser Lys Ser Leu Arg
    210                 215                 220

Thr Ala Leu Gln Lys Glu Ile Thr Thr Arg Tyr Gln Leu Asp Pro Lys
225                 230                 235                 240

Phe Ile Thr Ser Ile Leu Tyr Glu Asn Asn Val Ile Thr Ile Asp Leu
                245                 250                 255

Val Gln Asn Ser Ser Gln Lys Thr Gln Asn Asp Val Asp Ile Ala Asp
            260                 265                 270

Val Ala Tyr Tyr Phe Glu Lys Asp Val Lys Gly Glu Ser Leu Phe His
        275                 280                 285

Ser Lys Lys Met Asp Leu Thr Val Asn Gly Glu Gln Leu Asp Leu Asp
    290                 295                 300

Pro Gly Gln Thr Leu Ile Tyr Tyr Val Asp Glu Lys Ala Pro Glu Phe
305                 310                 315                 320

Ser Met Gln Gly Leu Lys Ala Gly Val Ile Ala Val Ile Val Val Val
                325                 330                 335

Val Ile Ala Val Val Ala Gly Ile Val Val Leu Val Ile Ser Arg Lys
            340                 345                 350

Lys Arg Met Ala Lys Tyr Glu Lys Ala Glu Ile Lys Glu Met Gly Glu
        355                 360                 365

Met His Arg Glu Leu Asn Ala
    370                 375
```

<210> 4874
<211> 106
<212> PRT
<213> Homo sapiens

<400> 4874
Ile Asn Gln Gln Leu Ala Leu Tyr Ile Trp Lys Ser Cys Arg His Ser
1 5 10 15

Met Pro Ala Tyr Glu Ser Ser Leu Glu Trp Gly Cys Thr Leu Gln Arg
20 25 30

His Arg Gly Arg Ala Ala Lys Thr Met Arg Val Tyr Phe Phe His Gln
35 40 45

Cys Asp Leu Asn Val Arg His Arg Val Lys Gly Asp Tyr Phe Gly Ala
50 55 60

Val Lys Phe Asn Glu Tyr Pro Ala Gly Phe Trp Thr Cys His Trp Leu
65 70 75 80

Leu Ala Pro Leu Phe Cys Pro Ile Leu Leu Tyr Gly Met Gly Ala Ser
85 90 95

Ser Ser Asn Ala Cys Thr Leu Ile Val Ser
100 105

<210> 4875
<211> 91
<212> PRT
<213> Homo sapiens

<400> 4875
Gln Ser Ala Met Ser Ser Arg Pro Leu Glu Ser Pro Pro Pro Tyr Arg
1 5 10 15

Pro Asp Glu Phe Lys Pro Asn His Tyr Ala Pro Ser Asn Asp Ile Tyr
20 25 30

Gly Gly Glu Met His Val Arg Pro Met Leu Ser Gln Pro Ala Tyr Ser
35 40 45

Phe Tyr Pro Glu Asp Glu Ile Leu His Phe Tyr Lys Trp Thr Ser Pro
50 55 60

Pro Gly Val Ile Arg Ile Leu Ser Met Leu Ile Ile Val Met Cys Ile

65 70 75 80

Ala Ile Phe Ala Cys Val Ala Ser Arg Leu Pro
85 90

<210> 4876
<211> 88
<212> PRT
<213> Homo sapiens

<400> 4876
Tyr Arg Lys Leu Phe Phe Pro Gln Leu Phe Glu Gln His Ser Ser Phe
1 5 10 15

Glu Asn Ser Cys Arg Ser Gln Phe Phe Val Thr Val Val Gln Ile Leu
20 25 30

Cys Phe Leu Ser Leu Met Lys Ser Ser Ile Glu Ala Ile Phe His Thr
35 40 45

Met Cys Tyr Ile Cys Val Arg Arg Cys Val Asn Ile Lys Ser His Thr
50 55 60

His Ile Tyr Thr His Val Lys Ile Tyr Ile Tyr Ile Tyr Ala Cys Glu
65 70 75 80

Val Glu Ser Leu Pro Phe Pro Ile
85

<210> 4877
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)

BNSDOCID: <WO__ 0122920A2_I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4877

```
Lys Cys Trp Tyr Tyr Tyr Phe His Tyr Arg Ala Phe Gly Pro Leu Ile
  1               5                  10                  15

Met Leu Arg Trp Ala Asp Pro Ser Xaa Phe Cys Xaa Arg Val Ile Leu
             20                  25                  30

Gly Arg Val Phe Ser Ser Thr Val Lys Val Arg Gln Ser Gly Ser Val
         35                  40                  45

Thr Gly Asp Trp Asp Ile Trp Asn Lys Leu Arg Trp Asp Thr His Ser
     50                  55                  60

Glu Glu Arg Leu His Gly Ile Leu Trp Gly Thr Asn Tyr Cys Xaa Ile
 65                  70                  75                  80

Thr Ser Asp Val Asn Met Ala His
                 85
```

<210> 4878
<211> 86
<212> PRT
<213> Homo sapiens

<400> 4878

```
Gly Thr Lys Leu Asp Gly His Gln Thr Gln Gly Phe Val Lys Ile Arg
  1               5                  10                  15

Pro Pro Ile Pro Leu Thr Gly Ser Val Arg Cys Val Lys Leu Leu Ser
             20                  25                  30

Pro Val His His Ala Ser Met Ser Pro Gln Asp Trp Asp Leu Ser Leu
         35                  40                  45

Pro Gly Ser Leu Ser Leu Gly Ala Asp Met Glu Pro Ser Leu Arg Asp
     50                  55                  60

Gln Val Asp Ala Glu Ala His Pro Val Arg Ala Pro Leu Leu Ala Pro
 65                  70                  75                  80

Phe Thr Leu Lys Leu Ile
                 85
```

<210> 4879
<211> 106

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4879
Phe Cys Ser Trp Phe Ser Leu Gln Ala Leu Ala Lys Pro Cys Pro Arg
1 5 10 15

Ser Pro Gln Thr Leu Arg Ala His Asp Gln Lys Glu Lys Glu Ser Gln
20 25 30

Val Gly Glu Glu Gln Gly Pro Gln Leu His Ser Pro Pro Leu Xaa Pro
35 40 45

Glu Gly Pro Pro Trp Ala Ala Trp Asn Pro Leu Lys Leu Pro Pro Pro
50 55 60

Gln His Ser Ser Gly Ala Val Pro Gly Ser Ala Cys Ser Pro Trp Ala
65 70 75 80

Gly Ser Val Pro Ala Ala Pro Pro Ser Val Cys Tyr Leu Ile Tyr Trp
85 90 95

Asn Leu His Ser Gln Ala Leu Ala His Arg
100 105

<210> 4880
<211> 74
<212> PRT
<213> Homo sapiens

<400> 4880
Asn Val Ala Cys Asn Thr Val Leu Pro Ala Lys Phe Ser Thr Phe Cys
1 5 10 15

Asn Leu Phe Tyr Phe Phe Gly Cys Lys Ala Phe Leu Leu Ser Ile Val
20 25 30

Ile Leu Tyr Met Phe Cys Pro Ser Cys Ile Val Met Phe Gln Ser Ile
35 40 45

Ile Gln Leu Trp Leu Leu Lys Ser Tyr Ser Cys Glu Asp Leu Pro Leu
50 55 60

Phe Leu Leu Asp Cys Phe Ser Val Leu Tyr

65 70

<210> 4881
<211> 201
<212> PRT
<213> Homo sapiens

<400> 4881

```
Cys Asn Leu Ala Lys Gly Val Ile Ser Ile Ser Phe Leu Lys Glu Glu
  1               5                  10                  15

Glu Gln Glu Asp Glu Glu Glu Ile Asp Val Val Ser Val Glu Lys Arg
             20                  25                  30

Gln Ala Pro Gly Lys Arg Ser Glu Ser Gly Ser Pro Ser Ala Gly Gly
         35                  40                  45

His Ser Lys Pro Pro His Ser Pro Leu Val Leu Lys Arg Cys His Val
     50                  55                  60

Ser Thr His Gln His Asn Tyr Ala Ala Pro Pro Ser Thr Arg Lys Asp
 65                  70                  75                  80

Tyr Pro Ala Ala Lys Arg Val Lys Leu Asp Ser Val Arg Val Leu Arg
                 85                  90                  95

Gln Ile Ser Asn Asn Arg Lys Cys Thr Ser Pro Arg Ser Ser Asp Thr
            100                 105                 110

Glu Glu Asn Val Lys Arg Arg Thr His Asn Val Leu Glu Arg Gln Arg
        115                 120                 125

Arg Asn Glu Leu Lys Arg Ser Phe Phe Ala Leu Arg Asp Gln Ile Pro
    130                 135                 140

Glu Leu Glu Asn Asn Glu Lys Ala Pro Lys Val Val Ile Leu Lys Lys
145                 150                 155                 160

Ala Thr Ala Tyr Ile Leu Ser Val Gln Ala Glu Glu Gln Lys Leu Ile
                165                 170                 175

Ser Glu Glu Asp Leu Leu Arg Lys Arg Arg Glu Gln Leu Lys His Lys
            180                 185                 190

Leu Glu Gln Leu Arg Asn Ser Cys Ala
        195                 200
```

<210> 4882
<211> 60
<212> PRT
<213> Homo sapiens

<400> 4882
Lys Gly Ile Val Arg Met Ser Leu Ser Ser Gly Ser Thr Thr Ala Val
1 5 10 15

Ser Tyr Leu Gly Pro Val Leu Ser Gln Gly Gly Trp Leu Val Lys Val
20 25 30

Met Cys Asp Leu Arg Arg Leu Ser Cys His Leu Pro His Val Asn Arg
35 40 45

Lys Gly Gly Ile Leu Pro Pro Pro Glu Tyr Thr Gly
50 55 60

<210> 4883
<211> 737
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (555)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (602)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4883
Pro Pro Arg Gly Leu Asp Pro Gly Ser Cys Cys Cys Cys Arg Cys Cys
1 5 10 15

Cys Pro Leu Arg Pro Gln Pro Pro Thr Gly Pro Gly Ala Ala Asp Pro
20 25 30

Val Asn Pro Glu Lys Leu Leu Val Ile Thr Val Ala Thr Ala Glu Thr
35 40 45

Glu Gly Tyr Leu Arg Phe Leu Arg Ser Ala Glu Phe Phe Asn Tyr Thr
50 55 60

Val Arg Thr Leu Gly Leu Gly Glu Glu Trp Arg Gly Gly Asp Val Ala
65 70 75 80

```
Arg Thr Val Gly Gly Gly Gln Lys Val Arg Trp Leu Lys Lys Glu Met
                 85                  90                  95

Glu Lys Tyr Ala Asp Arg Glu Asp Met Ile Ile Met Phe Val Asp Ser
            100                 105                 110

Tyr Asp Val Ile Leu Ala Gly Ser Pro Thr Glu Leu Leu Lys Lys Phe
        115                 120                 125

Val Gln Ser Gly Ser Arg Leu Leu Phe Ser Ala Glu Ser Phe Cys Trp
    130                 135                 140

Pro Glu Trp Gly Leu Ala Glu Gln Tyr Pro Glu Val Gly Thr Gly Lys
145                 150                 155                 160

Arg Phe Leu Asn Ser Gly Gly Phe Ile Gly Phe Ala Thr Thr Ile His
                165                 170                 175

Gln Ile Val Arg Gln Trp Lys Tyr Lys Asp Asp Asp Asp Asp Gln Leu
            180                 185                 190

Phe Tyr Thr Arg Leu Tyr Leu Asp Pro Gly Leu Arg Glu Lys Leu Ser
        195                 200                 205

Leu Asn Leu Asp His Lys Ser Arg Ile Phe Gln Asn Leu Asn Gly Ala
    210                 215                 220

Leu Asp Glu Val Val Leu Lys Phe Asp Arg Asn Arg Val Arg Ile Arg
225                 230                 235                 240

Asn Val Ala Tyr Asp Thr Leu Pro Ile Val Val His Gly Asn Gly Pro
                245                 250                 255

Thr Lys Leu Gln Leu Asn Tyr Leu Gly Asn Tyr Val Pro Asn Gly Trp
            260                 265                 270

Thr Pro Glu Gly Gly Cys Gly Phe Cys Asn Gln Asp Arg Arg Thr Leu
        275                 280                 285

Pro Gly Gly Gln Pro Pro Pro Arg Val Phe Leu Ala Val Phe Val Glu
    290                 295                 300

Gln Pro Thr Pro Phe Leu Pro Arg Phe Leu Gln Arg Leu Leu Leu Leu
305                 310                 315                 320

Asp Tyr Pro Pro Asp Arg Val Thr Leu Phe Leu His Asn Asn Glu Val
                325                 330                 335

Phe His Glu Pro His Ile Ala Asp Ser Trp Pro Gln Leu Gln Asp His
            340                 345                 350
```

BNSDOCID: <WO__0122920A2_I >

Phe Ser Ala Val Lys Leu Val Gly Pro Glu Glu Ala Leu Ser Pro Gly
355 360 365

Glu Ala Arg Asp Met Ala Met Asp Leu Cys Arg Gln Asp Pro Glu Cys
370 375 380

Glu Phe Tyr Phe Ser Leu Asp Ala Asp Ala Val Leu Thr Asn Leu Gln
385 390 395 400

Thr Leu Arg Ile Leu Ile Glu Glu Asn Arg Lys Val Ile Ala Pro Met
405 410 415

Leu Ser Arg His Gly Lys Leu Trp Ser Asn Phe Trp Gly Ala Leu Ser
420 425 430

Pro Asp Glu Tyr Tyr Ala Arg Ser Glu Asp Tyr Val Glu Leu Val Gln
435 440 445

Arg Lys Arg Val Gly Val Trp Asn Val Pro Tyr Ile Ser Gln Ala Tyr
450 455 460

Val Ile Arg Gly Asp Thr Leu Arg Met Glu Leu Pro Gln Arg Asp Val
465 470 475 480

Phe Ser Gly Ser Asp Thr Asp Pro Asp Met Ala Phe Cys Lys Ser Phe
485 490 495

Arg Asp Lys Gly Ile Phe Leu His Leu Ser Asn Gln His Glu Phe Gly
500 505 510

Arg Leu Leu Ala Thr Ser Arg Tyr Asp Thr Glu His Leu His Pro Asp
515 520 525

Leu Trp Gln Ile Phe Asp Asn Pro Val Asp Trp Lys Glu Gln Tyr Ile
530 535 540

His Glu Asn Tyr Ser Arg Ala Leu Glu Gly Xaa Gly Ile Val Glu Gln
545 550 555 560

Pro Cys Pro Asp Val Tyr Trp Phe Pro Leu Leu Ser Glu Gln Met Cys
565 570 575

Asp Glu Leu Val Ala Glu Met Glu His Tyr Gly Gln Trp Ser Gly Gly
580 585 590

Arg His Glu Asp Ser Arg Leu Ala Gly Xaa Tyr Glu Asn Val Pro Thr
595 600 605

Val Asp Ile His Met Lys Gln Val Gly Tyr Glu Asp Gln Trp Leu Gln
610 615 620

BNSDOCID: <WO__ 0122920A2_I_>

```
Leu Leu Arg Thr Tyr Val Gly Pro Met Thr Glu Ser Leu Phe Pro Gly
625                 630                 635                 640

Tyr His Thr Lys Ala Arg Ala Val Met Asn Phe Val Val Arg Tyr Arg
                645                 650                 655

Pro Asp Glu Gln Pro Ser Leu Arg Pro His His Asp Ser Ser Thr Phe
            660                 665                 670

Thr Leu Asn Val Ala Leu Asn His Lys Gly Leu Asp Tyr Glu Gly Gly
        675                 680                 685

Gly Cys Arg Phe Leu Arg Tyr Asp Cys Val Ile Ser Ser Pro Arg Lys
    690                 695                 700

Gly Trp Ala Leu Leu His Pro Gly Arg Leu Thr His Tyr His Glu Gly
705                 710                 715                 720

Leu Pro Thr Thr Trp Gly Thr Arg Tyr Ile Met Val Ser Phe Val Asp
                725                 730                 735

Pro
```

<210> 4884
<211> 73
<212> PRT
<213> Homo sapiens

<400> 4884

```
Glu Thr Thr Lys Glu Tyr His Glu Gly Ile Tyr Ala Pro Val Leu Ala
  1               5                  10                  15

Ile Ile Cys Leu Arg Arg Asn Leu Leu Asn Lys Ser Phe Tyr Pro Leu
            20                  25                  30

Thr Phe Thr Phe Ile Arg Pro Tyr Lys Arg Ser Asn Gly Asp Leu Lys
        35                  40                  45

Phe Phe Ser His Lys Ser Tyr Leu Phe Ser Ile Ser Ala Lys Ser Arg
    50                  55                  60

Ile Leu Ser Ser Lys Pro Lys Leu Thr
65                  70
```

<210> 4885
<211> 76

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4885
Arg Lys Lys Pro Ile Tyr Ile Asn Val Xaa Arg Asp Pro Ile Glu Arg
1 5 10 15

Leu Val Ser Tyr Tyr Tyr Phe Leu Arg Xaa Gly Asp Asp Tyr Arg Pro
20 25 30

Gly Leu Arg Arg Arg Lys Gln Gly Asp Lys Lys Thr Phe Asp Glu Cys
35 40 45

Val Ala Glu Gly Gly Ser Asp Cys Ala Pro Glu Lys Leu Trp Leu Gln
50 55 60

Ile Pro Phe Phe Cys Gly His Ser Ser Glu Cys Trp
65 70 75

<210> 4886
<211> 94
<212> PRT
<213> Homo sapiens

<400> 4886
Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro
1 5 10 15

Lys Glu Glu Gly Gly Lys Pro Gln Met Asn Ser Glu Gly Glu Ile Pro
20 25 30

Ser Leu Pro Ser Gly Ser Gln Ser Ala Lys Pro Val Ser Gln Pro Arg
35 40 45

Lys Ser Thr Gln Pro Asp Val Cys Ala Ser Pro Gln Glu Lys Pro Leu
50 55 60

Arg Thr Leu Phe His Gln Pro Glu Glu Glu Ile Glu Asp Gly Gly Leu
65 70 75 80

Phe Ile Pro Met Glu Asp Lys Thr Met Lys Lys Val Arg Lys
85 90

<210> 4887
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4887
Ile Leu Asn Glu Lys Lys Xaa Leu Xaa Lys Lys Gly Gly Arg Ser Arg
1 5 10 15

Gly Ser Lys Leu Thr Tyr Ala Cys Xaa Arg Arg His Ser Ser Ser Ile
20 25 30

Val Ser Pro
35

<210> 4888
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)

BNSDOCID: <WO__ 0122920A2 I_ >

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4888

```
Arg Glu Gln Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr
  1               5                  10                  15

Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Gly Thr Arg Tyr
             20                  25                  30

Pro Gln Gly His Ser Asp Thr Thr Val Ala Ile Ser Thr Ser Thr Val
         35                  40                  45

Leu Leu Cys Xaa Leu Ser Ala Val Ser Leu Leu Ala Cys Tyr Xaa Lys
     50                  55                  60

Ser Arg Gln Thr Pro Pro Leu Ala Ser Val Glu Met Glu Ala Met Glu
 65                  70                  75                  80

Ala Leu Pro Val Thr Trp Gly Thr Ser Ser Arg Asp Glu Asp Leu Glu
                 85                  90                  95

Asn Cys Ser His His Leu
            100
```

<210> 4889
<211> 69
<212> PRT
<213> Homo sapiens

<400> 4889

```
Leu Ser Gln Ser Gln Leu Asn Arg His Leu Asn Cys Ile Cys Lys Ile
  1               5                  10                  15

Leu Ser Leu Leu Pro Tyr Ser Leu Thr Lys Cys Asn Arg Arg Cys Pro
             20                  25                  30

His Lys Gly Met Asp Ile Gly Leu Gly Lys Asp Phe Arg Asn His Leu
         35                  40                  45

Arg Ile Leu Pro Thr Thr Asn Ser Ile Leu Gln Val Ser Ile Ser Ser
     50                  55                  60

Ile Leu Val Ile His
 65
```

<210> 4890
<211> 75

BNSDOCID: <WO__0122920A2 | >

<212> PRT
<213> Homo sapiens

<400> 4890
Phe Val Ser Glu Gly Asp Phe Pro Ser Tyr Thr Leu Gly Leu Glu Asp
1 5 10 15

Phe Glu Tyr Leu Gly Pro Phe Ser Cys Glu His Gly Leu Phe Pro His
20 25 30

Ser Ser Tyr Leu Leu Thr Arg Gly Ile Leu Gly Arg Asp Leu Arg Ser
35 40 45

Ser Phe Ser Cys Phe Pro Glu Gln Ser Leu Lys Phe Thr Val Asn Lys
50 55 60

Leu Phe Asp His Glu Lys Lys Lys Lys Ser Thr
65 70 75

<210> 4891
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4891
Gly Ala Ala Leu Leu Ile Trp Gly Val Ser Arg Leu Ser Ala Leu Thr
1 5 10 15

Leu Leu Xaa His Pro Xaa Thr Asp Lys Val Arg Leu Gln Arg Arg Val

20 25 30

Thr Pro Met Cys Tyr Ser Phe Phe Xaa Thr Ser Phe Thr Gly Asp Asn
35 40 45

Ala His Thr Val Gln Phe Thr His Leu Lys Cys Thr Ile Gln Trp Val
50 55 60

Leu Val Tyr Ser Trp Gly Leu Cys Asn Pro Xaa Pro
65 70 75

<210> 4892
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4892
Glu Glu Gly Leu Arg Asn Lys Lys Ala Lys Glu Pro Phe Glu Glu Ala
1 5 10 15

Ser Cys Leu Leu Gly Ala Gly Val Cys Ala Gly Val Val Leu Arg Gly
20 25 30

Arg Lys Glu Pro Xaa Ser Pro Glu Asp Pro Pro Gly Gly Ala Gly Leu
35 40 45

Lys Phe Arg Trp Val Pro Gly Gly Ser Ala Leu Arg Ser Thr Asp Gly
50 55 60

Leu Arg Ser Gln Cys Ala Ala Arg Thr Ser Arg Ser Gly Gly Arg Val
65 70 75 80

Leu Pro Thr Pro Ala Leu Gly Ser Glu Lys Ala Ala Leu Val Leu Phe
85 90 95

Leu Gly Met Ser Ala Glu Gly Ala Pro Gly
100 105

<210> 4893
<211> 190
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4893

```
Arg His Arg Gln Gln Gln Lys Ala His Cys Pro His Pro Leu Thr Leu
  1               5                  10                  15

Asn Phe Leu Ser Leu Phe Lys Ile Leu Ala Ser Asp Cys Ser Ala Ala
             20                  25                  30

Xaa Asn Phe Leu Val Pro Ser Trp Gly Xaa Trp Gly Gly Val Tyr Arg
         35                  40                  45

Leu Phe Ser Ala Ser Ala Leu Leu Ser Gln Gly Phe Glu Pro Leu Arg
     50                  55                  60

Phe Ser Gly Gln Thr Arg Lys Asn Glu Asn Thr Ala Trp Gly Ala Pro
 65                  70                  75                  80

Thr Ser Arg Arg Leu Cys Gln Leu Thr Ser Gly His Gly Ala Ala Ala
                 85                  90                  95

Gly Ala His Gly Gly Gln Gly Gln Leu His Ile Leu Pro Ser Pro Ser
            100                 105                 110

His Phe Thr Val Ala Pro Asn Pro Ala Arg Arg Glu Arg Val Ser Ala
        115                 120                 125

Pro Gln Thr Thr Gly Ser Leu Leu Thr Lys Asn Gly Glu Thr Arg Phe
    130                 135                 140

His Leu Ser Ala Glu Glu Pro Gln Ala Gly Leu Ser Glu Arg Asp Gly
145                 150                 155                 160

Ala Gly Gly Arg Leu Trp Ile Ala Ser Gln Ile Lys Leu Cys Ser Leu
                165                 170                 175

Asn Val Ala Ser Arg Gln Glu Lys Ala Trp Gly Leu Asn Ser
            180                 185                 190
```

<210> 4894

BNSDOCID: <WO___0122920A2_I >

<211> 64
<212> PRT
<213> Homo sapiens

<400> 4894
Gly Asp Lys Asn Val Leu Lys Phe Ile Val Met Met Leu Ala Ile Ser
1 5 10 15

Ile Ser Arg Leu Asn Ala Val Met Val Ala Asn Ser Ile Asn Ile Phe
20 25 30

Asn Val Val Met Val Ala Asn Ser Met Lys Asn Pro Asn Cys Thr Ile
35 40 45

Ser Met Ser Glu Ser Met Leu Cys Glu Cys Leu His Lys Gly Phe Ile
50 55 60

<210> 4895
<211> 104
<212> PRT
<213> Homo sapiens

<400> 4895
Thr Val Pro Arg Pro Arg Pro Asp Phe Ser His Ala Pro Pro Ser Thr
1 5 10 15

Ser Ala Leu Gly Cys Leu Gly Arg Glu Arg Arg Arg Gly Ala Trp Arg
20 25 30

Gly Thr Pro Gly Gln Asn Asp Ser Gly Met Ser Arg Glu Arg Lys Glu
35 40 45

Ala Pro Trp Asp Ala Gly Gly Arg Val Leu Gly Pro Gly Leu Gln Pro
50 55 60

Arg Thr Gly Ala Thr Ala Gly Pro Ser Pro Asp Arg Pro Arg Ala Gly
65 70 75 80

Gly Gln Ala Arg Val Arg Cys Ala Ala Arg Pro Arg Ser Leu Thr Thr
85 90 95

Val Pro Thr His Arg Gly Gly Pro
100

<210> 4896
<211> 71
<212> PRT
<213> Homo sapiens

<400> 4896
Leu Leu Ile Pro Met Pro Leu Cys Asp Pro Ile Leu Asn Thr Ala Arg
1 5 10 15

Ala Val Phe Gln Gln His Ser Ser Asn Leu Val Ser Ser Pro Leu Leu
20 25 30

His Ala Ser Val Ala Phe Pro Val Thr Trp His Gly Thr Arg Pro Gln
35 40 45

Leu Pro Tyr Ile Pro Ala Asn Ser Tyr Pro Thr Phe Leu Cys Ser His
50 55 60

Ser Phe Leu Phe Leu Pro His
65 70

<210> 4897
<211> 102
<212> PRT
<213> Homo sapiens

<400> 4897
Gly Cys Gly Gly Phe Gln Cys Val Glu Trp Lys Gly Asn Cys Arg Ile
1 5 10 15

Val Ser Ala Pro His Ser Glu Gly Leu Leu Pro Val Pro Pro Arg Pro
20 25 30

Gly Ala Ser Thr Ala Ser Pro His Ser Thr Gln Met Pro Arg Ser Ser
35 40 45

Glu Leu Val Tyr Glu Lys Ser Pro Thr Phe Ser Pro Lys Thr Ser Leu
50 55 60

Leu Ser Leu His Lys Lys Lys Arg Lys Gly Thr Lys Glu Lys His Ser
65 70 75 80

Val Phe Leu Phe Leu Lys Lys Val Ser Pro Phe Leu Lys Ser Ser Asn
85 90 95

Glu Thr Leu Ser Gly Asn
100

<210> 4898
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4898
Pro Gln Gln Xaa Thr Ser Gln Glu Val Glu Asn Ser Lys Gln Glu Lys
1 5 10 15

Tyr Gln Asn Asn Tyr Thr Gln Thr Ser Glu Asn Gln Arg Gln Lys Glu
20 25 30

Asn Leu Gln Arg Ser Gln Arg Lys Ser Asn Leu Thr Tyr Ser Lys Thr
35 40 45

Gly Gln Glu Leu Asn
50

<210> 4899
<211> 46
<212> PRT
<213> Homo sapiens

<400> 4899
Gly Asn Asn Cys Arg Ser Ile Glu Val Thr Ala Lys Ile Phe Tyr Ser
1 5 10 15

Asn Trp Val Asn Pro Val Asn His Val Arg Asn Ser Ser Pro Arg Val
20 25 30

Ser Met Leu Leu Leu Tyr Phe Cys Lys His Asn Pro Leu Thr
35 40 45

<210> 4900
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4900
Leu Leu Phe Asn Leu Pro Ile Glu Leu Leu Gly Phe Lys Lys Tyr Phe
1 5 10 15

Xaa Asn Asp Phe Leu Gly Leu Glu Ser Thr Phe Asn Thr Phe Lys Leu
20 25 30

Val Phe Leu Leu Glu Ile Phe Arg Ile Ser Ser Leu Ile Gly Asn Leu
35 40 45

Tyr Arg Ser Leu Val Arg Phe Val Ala Lys Met Cys His Arg Trp Thr
50 55 60

Gln Ile Ser His Ser Gly Ala Ile Ser Tyr His Ser Gly Gly
65 70 75

<210> 4901
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4901
Cys Leu Xaa Tyr Phe Xaa Met Asp Ile Glu Val Lys Met Ser Phe Ile
1 5 10 15

Cys Ile Tyr Leu Gly Lys Glu Asp Met Leu Leu Lys Gln Gly Gln Met
20 25 30

Tyr Met Ala Asp Ser Gln Cys Thr Ser Pro Gly Tyr Pro Gly Pro Met
35 40 45

<210> 4902

<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4902
Arg Lys His Lys Ala Ile Arg Leu Ile Ser Gly Glu Leu His Thr Glu
1 5 10 15

Gly Glu Xaa Lys Phe Leu Ser Pro Trp Ser Thr Pro Ser Xaa Xaa Ser
20 25 30

Glu Arg Val Pro Phe Met Ser Asn Thr Ala Ser His
35 40

<210> 4903
<211> 42
<212> PRT
<213> Homo sapiens

<400> 4903
Ser Tyr His Ser Val Ser Gly Phe Leu Val Val Tyr Thr Phe Thr Ile
1 5 10 15

Met Ala Lys Cys Phe Lys Ile Ile Gln Leu Phe Lys Glu Thr Tyr Tyr
20 25 30

Ala Lys Asp Thr Leu Glu Met Leu Cys Ile
35 40

<210> 4904
<211> 103
<212> PRT

<213> Homo sapiens

<400> 4904

```
Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg
  1               5                  10                  15

Val Arg Ser Val Pro Leu Trp Leu Leu Ser His Leu Lys Asn Asp Pro
             20                  25                  30

Ser Gly Pro Phe Pro Pro Pro Cys Pro Leu Pro His Thr Ser Arg Phe
         35                  40                  45

Pro Val Arg Gln Gln Val Gln Arg Leu Gln Asp Leu Ala Leu Leu Ser
     50                  55                  60

Leu Leu Glu Pro Leu Lys Glu Lys Ala Gly Phe Glu Leu Phe Ala Phe
 65                  70                  75                  80

Glu Ser Trp Arg His Lys Arg Tyr Leu Gly Tyr Arg Ser Arg Arg Arg
                 85                  90                  95

Glu Arg Thr Pro Arg Ser Asn
            100
```

<210> 4905
<211> 78
<212> PRT
<213> Homo sapiens

<400> 4905

```
Phe Tyr Phe Ser Ser Lys Ser Leu Phe His Thr Cys Lys Ile Leu Gly
  1               5                  10                  15

Arg Arg Phe Leu Lys Leu Cys Gln Glu Leu Leu Pro Ile Ser Lys Asn
             20                  25                  30

Ser Leu Leu Cys Ser Lys Thr Thr Ile Ser Leu Arg Asp Cys Leu Lys
         35                  40                  45

Gly Glu Arg Ala Thr Arg Glu Ile Ile His Ser Ala His Arg Asn Tyr
     50                  55                  60

Cys Ser Ser Gly Leu Pro Ala Thr Val Phe Arg Cys Trp Val
 65                  70                  75
```

<210> 4906
<211> 219

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4906

```
Lys Val Asp Lys Gln Leu Phe Pro Pro Ser Tyr Gln Glu Lys Cys Ser
  1               5                  10                  15

Gly Ser Tyr Ala Thr Pro Ser Ser Glu Asn Val Gln Leu Arg Gln Asn
             20                  25                  30

Leu Gly Thr Lys Lys Asn Leu Xaa His Val Asn Lys Ile Leu Lys Ala
         35                  40                  45

Lys Lys Leu Gln Arg Gln Ala Arg Thr Gly Asn Asn Phe Val Lys Arg
     50                  55                  60

Arg Pro Gly Arg Pro Arg Lys Cys Pro Leu Gln Ala Val Val Ser Met
 65                  70                  75                  80

Gln Ala Phe Gln Ala Ala Gln Phe Val Asn Pro Glu Leu Asn Arg Asp
                 85                  90                  95

Glu Glu Gly Ala Ala Leu His Leu Ser Pro Asp Thr Val Thr Asp Val
            100                 105                 110

Ile Glu Ala Val Val Gln Ser Val Asn Leu Asn Pro Glu His Lys Lys
        115                 120                 125

Gly Leu Lys Arg Lys Gly Trp Leu Leu Glu Glu Gln Thr Arg Lys Lys
    130                 135                 140

Gln Lys Pro Leu Pro Glu Glu Glu Glu Gln Glu Asn Asn Lys Ser Phe
145                 150                 155                 160

Asn Glu Ala Pro Val Glu Ile Pro Ser Pro Ser Glu Thr Pro Ala Lys
                165                 170                 175

Pro Ser Glu Pro Glu Ser Thr Leu Gln Pro Val Leu Ser Leu Ile Pro
            180                 185                 190

Arg Glu Lys Lys Pro Pro Arg Pro Pro Lys Lys Lys Tyr Gln Lys Ala
        195                 200                 205

Gly Leu Tyr Ser Asp Val Tyr Lys Thr Thr Glu
    210                 215
```

<210> 4907
<211> 102
<212> PRT
<213> Homo sapiens

<400> 4907
Ser His Cys Thr Val Asn Ser Lys Lys Ile Glu Glu Leu Phe Trp His
1 5 10 15

Leu Lys Thr Ile Thr Gln Phe Ser Arg Glu Val Thr Asp Lys Arg Asp
20 25 30

His Thr Asp Cys Phe Val Val Leu Val Leu Ser Tyr Ser Leu Met Gln
35 40 45

Ile Arg Thr Phe Thr Ser Ile Cys Val Gly Pro Thr Leu Pro Gly Gln
50 55 60

Ile Gln Leu Gln Ser Pro Cys Arg Tyr Glu Phe Ser Arg Asn Glu Pro
65 70 75 80

Met Phe Ser Ala Arg Ile Asn Trp Ser Tyr Thr Ile Tyr Lys Asn Glu
85 90 95

Tyr Cys Ile Leu Tyr Leu
100

<210> 4908
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4908
Gly Xaa Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp
1 5 10 15

Pro Arg Val Arg Gly Ser Pro Leu Leu Cys Ala Leu Ser Ser Val Met
20 25 30

Arg Arg Glu Pro Phe Ala Val Cys Ser Val Gln Cys His Glu Thr Gly
35 40 45

Ala Leu Cys Cys Val Leu Cys Pro Val Ser
50 55

<210> 4909
<211> 200
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (148)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (177)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (183)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (195)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4909
Ala Arg Pro Ser Leu Arg Thr Cys Tyr Pro Arg Gly Asn Ile Thr Met
1 5 10 15

Ser Glu Ala Pro Arg Ala Glu Thr Phe Val Phe Leu Asp Leu Glu Ala
20 25 30

Thr Gly Leu Pro Ser Val Glu Pro Glu Ile Ala Glu Leu Ser Leu Phe
35 40 45

Ala Val His Arg Ser Ser Leu Glu Asn Pro Glu His Asp Glu Ser Gly

```
     50                  55                  60

Ala Leu Xaa Leu Pro Arg Val Leu Asp Lys Leu Thr Leu Cys Met Cys
 65                  70                  75                  80

Pro Glu Arg Pro Phe Thr Ala Lys Ala Ser Glu Ile Thr Gly Leu Ser
                 85                  90                  95

Ser Glu Gly Leu Ala Arg Cys Arg Lys Ala Gly Phe Asp Gly Ala Xaa
            100                 105                 110

Val Arg Thr Leu Gln Ala Phe Leu Ser Arg Gln Ala Gly Pro Ile Cys
        115                 120                 125

Leu Val Ala His Asn Gly Phe Asp Tyr Asp Phe Pro Leu Leu Cys Ala
    130                 135                 140

Glu Leu Arg Xaa Leu Gly Ala Arg Leu Pro Arg Asp Thr Val Cys Leu
145                 150                 155                 160

Asp Thr Leu Pro Ala Leu Arg Gly Leu Asp Arg Ala His Lys Pro Arg
                165                 170                 175

Xaa Pro Gly Pro Gly Pro Xaa Arg Val Thr Ser Leu Gly Lys Leu Phe
            180                 185                 190

Pro Pro Xaa Leu Ser Gly Lys Thr
        195                 200
```

<210> 4910
<211> 66
<212> PRT
<213> Homo sapiens

<400> 4910

```
Pro Arg Val Ser Leu Pro Phe Arg Glu Arg Ala Glu Val Leu Thr Leu
  1               5                  10                  15

Val Ala Cys Cys His Leu Ser Leu Ala Ser Ala Leu Val His Pro His
             20                  25                  30

Ser Thr Leu Arg Ser His Ser His His Gln Arg Leu Asn Pro Lys Ala
         35                  40                  45

Leu Gln Asp Leu Lys Val Pro Ser Glu Ala Ser Glu Ile Lys Tyr Cys
     50                  55                  60

Ser Asn
 65
```

BNSDOCID: <WO__ 0122920A2 1 >

<210> 4911
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4911
Lys Gln Lys His Ile Tyr Phe Lys Lys Tyr Thr Ser Xaa Tyr Glu Ile
1 5 10 15

Phe Ser Phe Glu Cys Met Leu Lys Trp Xaa Xaa Ser Arg Ile Ser Tyr
20 25 30

Asn Thr Gly Tyr Leu Glu Thr Arg Tyr
35 40

<210> 4912
<211> 255
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4912
Arg Glu Lys Ser Thr Phe Glu Cys Ser Glu Cys Gly Lys Ala Phe Ser
1 5 10 15

Tyr Leu Ser Asn Leu Asn Gln His Gln Lys Thr His Thr Gln Glu Lys
20 25 30

```
Ala Tyr Glu Cys Lys Glu Cys Gly Lys Ala Phe Ile Arg Ser Ser Ser
         35                  40                  45

Leu Ala Lys His Glu Arg Ile His Thr Gly Glu Lys Pro Tyr Gln Cys
     50                  55                  60

Xaa Glu Cys Gly Lys Thr Phe Ser Tyr Gly Ser Ser Leu Ile Gln His
 65                  70                  75                  80

Arg Lys Ile His Thr Gly Glu Arg Pro Tyr Lys Cys Asn Glu Cys Gly
                 85                  90                  95

Arg Ala Phe Asn Gln Asn Ile His Leu Thr Gln His Lys Arg Ile His
            100                 105                 110

Thr Gly Ala Lys Pro Tyr Glu Cys Ala Glu Cys Gly Lys Ala Phe Arg
        115                 120                 125

His Cys Ser Ser Leu Ala Gln His Gln Lys Thr His Thr Glu Glu Lys
    130                 135                 140

Pro Tyr Gln Cys Asn Lys Cys Glu Lys Thr Phe Ser Gln Ser Ser His
145                 150                 155                 160

Leu Thr Gln His Gln Arg Ile His Thr Gly Glu Lys Pro Tyr Lys Cys
                165                 170                 175

Asn Glu Cys Asp Lys Ala Phe Ser Arg Ser Thr His Leu Thr Glu His
            180                 185                 190

Gln Asn Thr His Thr Gly Glu Lys Pro Tyr Asn Cys Asn Glu Cys Arg
        195                 200                 205

Lys Thr Phe Ser Gln Ser Thr Tyr Leu Ile Gln His Gln Arg Ile His
    210                 215                 220

Ser Gly Glu Lys Pro Phe Gly Cys Asn Asp Cys Gly Lys Ser Phe Arg
225                 230                 235                 240

Tyr Arg Ser Ala Leu Asn Lys His Gln Arg Leu His Pro Gly Ile
                245                 250                 255
```

<210> 4913
<211> 118
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4913
Leu Leu Glu Ala Gln Ala Gly Glu Gly Gly Arg Val Ser Arg Arg Ala
1 5 10 15

Pro Leu Ser Leu Thr Gln Arg Ser Cys Val Phe Leu Val Lys Pro Ser
20 25 30

His Ala Arg Gly Pro Ile Ala Ser Ser Pro Pro Ser Leu Pro Thr Asn
35 40 45

Ile Pro Ser Pro Asp Pro Asn Ser Pro Pro His Tyr Pro Ala Leu Asp
50 55 60

Leu Gly Asn Val Phe Leu Tyr Phe Asn Ile Ala Gln Gly Lys Asn Thr
65 70 75 80

Tyr Ile Leu Arg Asp Leu Gly Trp Gly Lys Gln Lys Pro Cys Gly Val
85 90 95

Xaa Lys Thr Lys Ala Tyr Phe Tyr Lys Cys Leu Met Phe Ser Pro Pro
100 105 110

Gly Cys Ser Glu Thr Pro
115

<210> 4914
<211> 186
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2 I >

<220>
<221> SITE
<222> (177)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4914
Arg Ile Ser Gln Cys Leu Gly Arg Gly Glu Val Gln Glu Cys Val Leu
1 5 10 15

Arg Leu Asn His Ile Ile Leu Gln Arg Xaa Trp Ala Ala Arg His Ile
20 25 30

Val Asn Arg Ile Asn Ala Phe Lys Pro Thr Ala Asp Arg Pro Phe Val
35 40 45

Leu Gly Leu Pro Thr Gly Gly Thr Pro Met Thr Thr Tyr Lys Ala Leu
50 55 60

Val Glu Met His Lys Ala Gly Gln Val Ser Phe Lys His Val Val Thr
65 70 75 80

Phe Asn Met Asp Glu Tyr Val Gly Leu Pro Lys Glu His Pro Glu Ser
85 90 95

Tyr Tyr Ser Phe Met His Arg Asn Phe Phe Asp His Val Asp Ile Pro
100 105 110

Ala Glu Asn Ile Asn Leu Leu Asn Gly Asn Ala Pro Asp Ile Asp Ala
115 120 125

Glu Cys Arg Gln Tyr Glu Xaa Lys Ile Arg Ser Tyr Gly Lys Ile His
130 135 140

Leu Phe Met Gly Gly Val Xaa Asn Asp Gly His Ile Ala Phe Asn Glu
145 150 155 160

Pro Ala Ser Ser Leu Ala Ser Arg Thr Arg Ile Lys Thr Leu Thr His
165 170 175

Xaa His Ser Arg Arg Lys Leu Ser Phe Leu
180 185

<210> 4915
<211> 141
<212> PRT
<213> Homo sapiens

<400> 4915
Gly Ile Leu Phe Ile Tyr Leu Asp Gly Ala Phe Asp Leu Cys Val Thr

```
  1               5                  10                  15

Ser Val Ser Lys Gly Gly Phe Glu Arg Glu Glu Thr Ala Thr Phe Ala
            20                  25                  30

Leu Leu Tyr Arg Leu Arg Asn Ile Leu Phe Glu Arg Asn Arg Arg Val
        35                  40                  45

Met Asp Val Ile Ser Arg Ser Gln Leu Tyr Leu Asp Asp Leu Phe Ser
    50                  55                  60

Asp Tyr Tyr Asp Lys Pro Leu Ser Met Thr Asp Ile Ser Leu Lys Glu
65                  70                  75                  80

Gly Thr His Ile Arg Val Asn Leu Leu Asn His Asn Ile Pro Lys Gly
                85                  90                  95

Pro Cys Ile Leu Cys Gly Met Gly Asn Phe Lys Arg Glu Thr Val Tyr
            100                 105                 110

Gly Cys Phe Gln Cys Ser Val Asp Gly Gln Lys Tyr Val Arg Leu His
        115                 120                 125

Ala Val Pro Cys Phe Asp Ile Trp His Lys Arg Met Lys
    130                 135                 140
```

<210> 4916
<211> 50
<212> PRT
<213> Homo sapiens

<400> 4916

```
Asn Ser Ala Arg Val Cys Ile Leu Ser Arg Asp Arg Val Ser Pro Cys
  1               5                  10                  15

Trp Leu Gly Trp Cys Leu Ser Leu Asp Leu Val Ile His Pro Pro Gln
            20                  25                  30

Pro Pro Arg Val Leu Gly Leu Gln Val Arg Ala Thr Ala Pro Gly Trp
        35                  40                  45

Phe Ser
    50
```

<210> 4917
<211> 212
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4917

```
Glu Tyr Cys Asn Thr Val Gln Leu Asp Ser Gly Ile Asp Tyr Arg Lys
  1               5                  10                  15

Arg Glu Leu Pro Ala Ala Gly Lys Leu Tyr Tyr Leu Thr Ser Glu Ala
             20                  25                  30

Asp Val Glu Ala Val Met Asp Lys Leu Phe Asp Glu Leu Ala Gln Lys
         35                  40                  45

Gln Asn Asp Leu Thr Arg Pro Arg Ile Leu Lys Val Gln Gly Arg Glu
     50                  55                  60

Leu Arg Leu Asn Lys Ala Cys Gly Thr Val Ala Asp Cys Thr Phe Glu
 65                  70                  75                  80

Glu Leu Cys Glu Arg Pro Leu Gly Ala Ser Asp Tyr Leu Glu Leu Xaa
                 85                  90                  95

Lys Asn Phe Asp Thr Ile Phe Leu Arg Xaa Ile Pro Gln Phe Thr Leu
            100                 105                 110

Ala Asn Arg Thr Gln Gly Arg Arg Phe Ile Thr Leu Ile Asp Asn Phe
        115                 120                 125

Tyr Asp Leu Lys Val Arg Ile Ile Cys Ser Ala Ser Thr Pro Ile Ser
    130                 135                 140

Ser Leu Phe Leu His Gln His His Asp Ser Glu Leu Glu Gln Ser Arg
```

145 150 155 160

Ile Leu Met Asp Xaa Leu Gly Leu Xaa Gln Asp Ser Ala Glu Gly Leu
165 170 175

Ser Met Phe Thr Gly Glu Glu Glu Ile Phe Ala Phe Gln Arg Thr Ile
180 185 190

Ser Arg Leu Thr Glu Met Gln Thr Glu Gln Tyr Trp Asn Glu Gly Asp
195 200 205

Arg Thr Lys Lys
210

<210> 4918
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4918
Met Gln Asn Ile Glu Arg Ile Phe Met Ile Leu Pro Asn Cys Lys His
1 5 10 15

Ser Ser Gln Ser Leu Ile Ala Leu Glu Cys Phe Leu Asp Glu Gln Val
20 25 30

Thr Ser Cys Lys Pro Thr Ser Glu Val Arg Lys Met Phe Ser His Val
35 40 45

Ser Cys Ser Cys Gln Ile Phe Lys Asn Pro Pro Ser Phe Asn His Pro
50 55 60

Val Gly Lys Met Cys Tyr Lys Thr Leu Pro Pro Gly Val Phe Trp Glu
65 70 75 80

Glu Cys Leu Lys Lys Lys Lys Lys Thr Ala Xaa Arg Lys Tyr Phe Gln
85 90 95

Ile Leu Tyr

<210> 4919

<211> 224
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (206)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (224)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4919

```
Tyr Leu Asp Ala Glu Lys Met Gly Gln Lys Ala Ser Gln Gln Leu Ala
  1               5                  10                  15

Leu Lys Asp Ser Lys Glu Val Pro Val Val Cys Glu Val Val Ser Glu
             20                  25                  30

Ala Ile Val His Ala Ala Gln Lys Leu Lys Glu Tyr Leu Gly Phe Glu
         35                  40                  45

Tyr Pro Pro Ser Lys Leu Cys Pro Ala Ala Asn Thr Leu Asn Glu Ile
     50                  55                  60

Phe Leu Ile His Phe Ile Thr Phe Cys Gln Glu Lys Gly Val Asp Glu
 65                  70                  75                  80

Trp Leu Thr Thr Thr Lys Met Thr Lys His Gln Ala Phe Leu Phe Gly
                 85                  90                  95

Ala Asp Trp Ile Trp Thr Phe Trp Gly Ser Asp Lys Gln Ile Lys Leu
            100                 105                 110

Gln Leu Ala Val Gln Thr Leu Gln Met Ser Ser Pro Pro Pro Val Glu
        115                 120                 125

Ser Lys Pro Cys Asp Leu Ser Asn Pro Glu Ser Xaa Val Xaa Glu Ser
    130                 135                 140
```

BNSDOCID: <WO__ 0122920A2 I >

```
Ser Trp Lys Lys Ser Arg Phe Asp Lys Leu Glu Glu Phe Cys Asn Leu
145                 150                 155                 160

Ile Gly Glu Asp Cys Leu Gly Leu Phe Ile Ile Phe Gly Met Pro Gly
                165                 170                 175

Lys Pro Lys Asp Ile Arg Gly Val Val Leu Asp Ser Val Lys Ser Gln
            180                 185                 190

Met Val Arg Ser His Leu Pro Gly Gly Lys Ala Val Ala Xaa Phe Val
        195                 200                 205

Leu Glu Thr Glu Asp Cys Val Phe Ile Lys Glu Leu Leu Lys Ile Xaa
    210                 215                 220
```

<210> 4920
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4920

```
Thr Trp Lys Leu Phe Tyr Gln Ile Thr Val Leu His His Pro Pro Val
  1               5                  10                  15

Cys Leu Val Ser Leu Ile Asn Gly Arg Gly Ile Ser Lys Leu Ser Phe
            20                  25                  30

Leu Thr Pro Phe Glu Tyr Ser Val Phe Ala Ile Ile Asp Val Ala Pro
        35                  40                  45

His Asn Ser Pro Thr Phe Ile Leu Lys Asn Gln Asn Leu Lys Asn Cys
    50                  55                  60

Ser Ser Cys Gln Ser Val Met Thr His Leu Arg Xaa Ile Leu Phe Leu
65                  70                  75                  80

Asp Val
```

<210> 4921
<211> 41
<212> PRT
<213> Homo sapiens

<400> 4921
Lys Ser Ser Leu Cys Cys Ser His Phe Asn Ser Cys His Met Phe Cys
1 5 10 15

Lys Gln Phe Phe Glu Phe Ile Ile Phe Gln Ser Cys Leu Tyr Tyr Ile
20 25 30

Leu Pro His Lys Asn Phe Lys Phe Val
35 40

<210> 4922
<211> 58
<212> PRT
<213> Homo sapiens

<400> 4922
Glu Tyr Phe Gln Asn Pro Ser Leu Ser Lys Leu Phe Cys Gly Lys Ser
1 5 10 15

Ser Ile Tyr Phe Ile Asn Val Met Cys Leu Ile Leu Asp Leu Phe Trp
20 25 30

Glu Lys Leu Phe Lys Leu Gly Pro Phe Lys Leu Ile Leu Ser Ser Leu
35 40 45

Glu Gly Arg Ser Tyr Leu Ala Asn Glu Ser
50 55

<210> 4923
<211> 93
<212> PRT
<213> Homo sapiens

<400> 4923
Phe Phe Glu Gln Ala Met Val Asp Ser Gly Ser Tyr Arg Asn Ser Ile
1 5 10 15

Asp His Thr Val Val Leu Arg Glu Lys Leu Pro Ile Arg Ser Asn Ile
20 25 30

Phe Pro Leu Met Leu Glu Thr Val Asp Gly His Pro Leu Ile Asn Gly

35 40 45

Pro Ile Thr Lys Glu Thr Ser Pro Val Gln Val Gln Ile Gly Asn His
50 55 60

Val Glu Glu Leu Gln Phe Asp Ile Ile His Ala Pro Arg Tyr Pro Leu
65 70 75 80

Ile Ile Gly Ile His Trp Leu Glu Thr His Asp Gln Thr
85 90

<210> 4924
<211> 43
<212> PRT
<213> Homo sapiens

<400> 4924
Lys Ala Asp Thr Gly Ala Ile Lys Asn Pro Gly Asp Gly Gly Cys Ser
1 5 10 15

Glu Leu Arg Ser Arg His Cys Pro Pro Ala Trp Ala Thr Arg Val Lys
20 25 30

Leu Cys Leu Lys Lys Gln Thr Asn Lys Cys Ile
35 40

<210> 4925
<211> 110
<212> PRT
<213> Homo sapiens

<400> 4925
Trp His Pro Leu Ser Glu Ser Gln Ser Ser Leu Arg His Cys Tyr Lys
1 5 10 15

Arg Thr Leu Arg Lys Ile Trp Pro Tyr Glu Pro Ser Gln Pro Gln Ala
20 25 30

Lys Arg Met Thr Met Cys Val Ser Ala Ala His Gly Gln Phe Val Ser
35 40 45

His Cys Phe Gly Lys Pro Cys Val Pro Asn Gln Gly Arg Val Phe Gln
50 55 60

Gly Lys Val Asn Phe Pro Lys Phe Ile Lys Ile Glu Leu Gly Lys Pro
65 70 75 80

Ser Ile Leu Asn Leu Phe Gln Ser Ser Gly His His Ser Tyr Phe Phe
85 90 95

Cys His Val Lys Glu Lys Phe Gln Ala Cys Ile Leu Ser Cys
100 105 110

<210> 4926
<211> 92
<212> PRT
<213> Homo sapiens

<400> 4926
Ser Pro Leu Arg Lys Ser Ser Gly Met Phe Ser Ile Ala Val Ser Phe
1 5 10 15

Pro Pro Lys Ile Thr Trp Leu Gly Ser Tyr Trp Ser Ser Gly Asn Leu
20 25 30

Ile Pro His Arg Asn Trp Arg Lys Gly Asn Ala Ser Arg Glu Glu Gln
35 40 45

Leu Tyr Phe Cys Leu Ser Asn Lys Pro Thr Asn Arg Phe Trp Tyr Glu
50 55 60

Leu Trp Arg His Lys Glu Asn Glu Cys Met Tyr Ser Lys Cys Thr Ser
65 70 75 80

Phe Phe Thr Leu Ser Trp Gln Lys Met Gln His Phe
85 90

<210> 4927
<211> 273
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4927
Xaa Leu Glu His Ile Pro Asn Phe Ser Leu Asp Asp Met Val Lys Leu

BNSDOCID: <WO_ 0122920A2 I >

1 5 10 15

Val Glu Val Pro Asn Asp Gly Gly Pro Leu Gly Ile His Val Val Pro
20 25 30

Phe Ser Ala Arg Gly Gly Arg Thr Leu Gly Leu Leu Val Lys Arg Leu
35 40 45

Glu Lys Gly Gly Lys Ala Glu His Glu Asn Leu Phe Arg Glu Asn Xaa
50 55 60

Cys Ile Val Arg Ile Asn Asp Gly Asp Leu Arg Asn Arg Arg Phe Glu
65 70 75 80

Gln Ala Gln His Met Phe Arg Gln Ala Met Arg Thr Pro Ile Ile Trp
85 90 95

Phe His Val Val Pro Ala Ala Asn Lys Glu Gln Tyr Glu Gln Leu Ser
100 105 110

Gln Ser Glu Lys Asn Asn Tyr Tyr Ser Ser Arg Phe Ser Pro Asp Ser
115 120 125

Gln Tyr Ile Asp Asn Arg Ser Val Asn Ser Ala Gly Leu His Thr Val
130 135 140

Gln Arg Ala Pro Arg Leu Asn His Pro Pro Glu Gln Ile Asp Ser His
145 150 155 160

Ser Arg Leu Pro His Ser Ala His Pro Ser Gly Lys Pro Pro Ser Ala
165 170 175

Pro Ala Ser Ala Pro Gln Asn Val Phe Ser Thr Thr Val Ser Ser Gly
180 185 190

Tyr Asn Thr Lys Lys Ile Gly Lys Arg Leu Asn Ile Gln Leu Lys Lys
195 200 205

Gly Thr Glu Gly Leu Gly Phe Ser Ile Thr Ser Arg Asp Val Thr Ile
210 215 220

Gly Gly Ser Ala Pro Ile Tyr Val Lys Asn Ile Leu Pro Arg Gly Ala
225 230 235 240

Ala Ile Gln Asp Gly Arg Leu Lys Ala Gly Asp Arg Leu Ile Glu Val
245 250 255

Asn Gly Val Gly Leu Val Gly Lys Ser Gln Glu Glu Val Val Ser Leu
260 265 270

Leu

<210> 4928
<211> 160
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4928
Asp Arg Xaa Met Lys Glu Glu Val Lys Gly Ile Pro Val Arg Val Ala
1 5 10 15

Leu Arg Cys Arg Pro Leu Val Pro Lys Glu Ile Ser Glu Gly Cys Gln
20 25 30

Met Cys Leu Ser Phe Val Pro Gly Glu Pro Gln Val Val Val Gly Thr
35 40 45

Asp Lys Ser Phe Thr Tyr Asp Phe Val Phe Asp Pro Ser Thr Glu Gln
50 55 60

Glu Glu Val Phe Asn Thr Ala Val Ala Pro Leu Ile Lys Gly Val Phe
65 70 75 80

Lys Gly Tyr Asn Ala Thr Val Leu Ala Tyr Gly Gln Thr Gly Ser Gly
85 90 95

Lys Thr Tyr Ser Met Gly Gly Ala Tyr Thr Ala Glu Gln Glu Asn Glu
100 105 110

Pro Thr Val Gly Val Ile Pro Arg Val Ile Gln Leu Leu Phe Lys Glu
115 120 125

Ile Asp Lys Lys Ser Asp Phe Glu Phe Thr Leu Lys Val Ser Tyr Leu
130 135 140

Glu Ile Tyr Asn Glu Glu Ile Leu Asp Leu Leu Cys Pro Ser Arg Glu
145 150 155 160

<210> 4929

<211> 303
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (209)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (212)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4929

```
Pro Arg Leu Leu Arg Leu Pro Arg Ser Val Val Val Met Asp Ser Pro
  1               5                  10                  15

Trp Asp Glu Leu Ala Leu Ala Phe Ser Arg Thr Ser Met Phe Pro Phe
             20                  25                  30

Phe Asp Ile Ala His Tyr Leu Val Ser Val Met Ala Val Lys Arg Gln
         35                  40                  45

Pro Gly Ala Ala Ala Leu Ala Trp Lys Asn Pro Ile Ser Ser Trp Phe
     50                  55                  60

Thr Ala Met Leu His Cys Phe Gly Gly Gly Ile Leu Ser Cys Leu Leu
 65                  70                  75                  80

Leu Ala Glu Pro Pro Leu Lys Phe Leu Ala Asn His Thr Asn Ile Leu
                 85                  90                  95

Leu Ala Ser Ser Ile Trp Tyr Ile Thr Phe Phe Cys Pro His Asp Leu
            100                 105                 110

Val Ser Gln Gly Tyr Ser Tyr Leu Pro Val Gln Leu Leu Ala Ser Gly
        115                 120                 125

Met Lys Glu Val Thr Arg Thr Trp Lys Ile Val Gly Gly Val Thr His
    130                 135                 140

Ala Asn Ser Tyr Tyr Lys Asn Gly Trp Ile Val Met Ile Ala Ile Gly
145                 150                 155                 160

Trp Ala Arg Gly Ala Gly Gly Thr Ile Ile Thr Asn Phe Glu Arg Leu
                165                 170                 175

Val Lys Gly Asp Trp Lys Pro Glu Gly Asp Glu Trp Leu Lys Met Ser
            180                 185                 190
```

```
Tyr Pro Ala Lys Val Thr Leu Leu Gly Ser Val Ile Phe Thr Phe Gln
        195                 200                 205

Xaa Thr Gln Xaa Leu Ala Ile Ser Lys His Asn Leu Met Phe Leu Tyr
    210                 215                 220

Thr Ile Phe Ile Val Ala Thr Lys Ile Thr Met Met Thr Thr Gln Thr
225                 230                 235                 240

Ser Thr Met Thr Phe Ala Pro Phe Glu Asp Thr Leu Ser Trp Met Leu
                245                 250                 255

Phe Gly Trp Gln Gln Pro Phe Ser Ser Cys Glu Lys Lys Ser Glu Ala
            260                 265                 270

Lys Ser Pro Ser Asn Gly Val Gly Ser Leu Ala Ser Lys Pro Val Asp
        275                 280                 285

Val Ala Ser Asp Asn Val Lys Lys Lys His Thr Lys Lys Asn Glu
    290                 295                 300
```

<210> 4930
<211> 82
<212> PRT
<213> Homo sapiens

<400> 4930

```
Val Met Val Ala Glu Thr Ser Ser Leu Tyr Phe Gly Ala Lys Thr Lys
  1               5                  10                  15

Arg Gln His Lys Arg Lys Ser Ile Leu Ile Glu Tyr Phe Val Glu Gln
             20                  25                  30

Arg Arg Leu Asp Lys Asn Cys Lys Pro Thr Asp Ser Ala Asn Lys Glu
         35                  40                  45

Arg Asn Val Leu Ala Ile Arg His Val Ser Ser Glu Ser Lys Ser Asn
     50                  55                  60

Asn Cys Arg Leu Gln Lys Lys Lys Val Phe Lys Asn Phe Ile Lys Thr
 65                  70                  75                  80

Gly His
```

<210> 4931
<211> 121

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4931
Glu Gly Leu Arg Asp Gly Arg Leu Ser Arg Ile Pro Phe Leu Ser Thr
1 5 10 15

Arg Ala Leu Leu Glu Pro Leu Ser Lys Gln Trp Gln Gly Thr Glu Arg
20 25 30

Ser Gln Gln Glu Ser Gly Arg Gly Leu Ile Ile Thr Lys Lys Thr His
35 40 45

Tyr Ala Arg Asn Arg Leu Cys Ala Pro Val Pro Asp Thr Trp Gln Lys
50 55 60

Cys Ser Ser Val Thr His Val Cys Glu Xaa Ile Ala Gly Ser Thr Pro
65 70 75 80

Ser Ala Trp Pro Ala Gly Ala Ser Ala Ala Asp Pro Met Leu Ser Gly
85 90 95

Gln Trp Gly Ala Ala Pro Gly Arg Leu Phe Trp Gly Arg Leu Ser Tyr
100 105 110

Pro Trp Ile Val Tyr Thr Leu Leu Cys
115 120

<210> 4932
<211> 62
<212> PRT
<213> Homo sapiens

<400> 4932
Asp Lys Ser Glu Asn Val Lys Leu Ile Asn Pro Leu Leu Val Ser Lys
1 5 10 15

Gln Thr Thr Cys Leu Arg Lys Leu Leu Asn Phe His Val Leu Leu Pro
20 25 30

Asp Ser Ser Leu Ile Lys Arg Lys Lys Lys Asn Pro Ala Gln Ala Trp
35 40 45

Trp Leu Thr Pro Trp His Leu Glu Gly Pro Arg Trp Glu Pro

50 55 60

<210> 4933
<211> 282
<212> PRT
<213> Homo sapiens

<400> 4933

```
Asn Tyr Ser Leu Leu Arg Glu Arg Val Glu Met Val Gly Ile Leu Pro
  1               5                  10                  15

Leu Cys Cys Ser Gly Cys Val Pro Ser Leu Cys Cys Ser Ser Tyr Val
             20                  25                  30

Pro Ser Val Ala Pro Thr Ala Ala His Ser Val Arg Val Pro His Ser
         35                  40                  45

Ala Gly His Cys Gly Gln Arg Val Leu Ala Cys Ser Leu Pro Gln Val
     50                  55                  60

Phe Leu Lys Pro Trp Ile Phe Val Glu His Phe Ser Ser Trp Leu Ser
 65                  70                  75                  80

Leu Glu Leu Phe Ser Phe Leu Arg Tyr Leu Gly Thr Leu Leu Cys Ala
                 85                  90                  95

Cys Gly His Arg Leu Arg Glu Gly Leu Leu Leu Pro Cys Leu Leu Gly
            100                 105                 110

Val Gly Ser Trp Leu Leu Phe Asn Asn Trp Thr Gly Gly Ser Trp Phe
        115                 120                 125

Ser Leu His Leu Gln Gln Val Ser Leu Ser Gln Gly Ser His Val Ala
    130                 135                 140

Ala Phe Leu Pro Glu Ala Ile Gly Pro Gly Val Pro Val Pro Val Ser
145                 150                 155                 160

Gly Glu Ser Thr Ser Ala Gln Gln Ser His Ala Gly Trp Gln Leu Ser
                165                 170                 175

Ala Glu Ala Asp Ala Cys Pro Ser Val Leu Tyr Ser Glu Val Leu Glu
            180                 185                 190

Trp Asn Lys Asn Ile Asn Thr Tyr Thr Ser Phe His Asp Phe Cys Leu
        195                 200                 205

Ile Leu Gly Ile Phe Leu Phe Cys Phe Val Leu Ala Val Ile Gly Leu
    210                 215                 220
```

```
Pro Tyr Ile Lys Pro Gly Leu Ser Leu Ser Val Ala Leu Leu Cys Lys
225                 230                 235                 240

Ala Ser Tyr Tyr Ser Leu Val Trp Phe Ser Arg Thr Val Arg Ser Thr
                245                 250                 255

Pro Gly Ala Val Cys Phe Leu Arg Leu Pro Gln His Lys Val Pro Tyr
            260                 265                 270

His Cys Gln Pro Ser Ser Pro Asp Pro Lys
        275                 280
```

<210> 4934
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4934

```
Cys His Leu Asn Ser Ile His Trp Pro Ser Phe Tyr Asn Arg Arg Asp
  1               5                  10                  15

Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro
            20                  25                  30

Pro Phe Ala Ala Gly Val Ile Ala Xaa Lys Pro Ala Pro Ile Ala Leu
        35                  40                  45

Xaa Asn Ser Cys Xaa Ala
    50
```

<210> 4935

BNSDOCID: <WO__0122920A2_I_>

<211> 292
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (201)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (242)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4935
Ile Gln Arg Leu Ser Leu Val Arg Ser Leu Cys Glu Ser Glu Glu Gln
1 5 10 15

Arg Leu Leu Glu Gln Val His Gly Xaa Glu Glu Arg Ala His Gln Ser
20 25 30

Ile Leu Thr Gln Arg Val His Trp Ala Glu Ala Leu Gln Lys Leu Asp
35 40 45

Thr Ile Arg Thr Gly Leu Val Gly Met Leu Thr His Leu Asp Asp Leu
50 55 60

Gln Leu Ile Gln Lys Glu Gln Glu Ile Phe Glu Arg Thr Glu Glu Ala
65 70 75 80

Glu Gly Ile Leu Asp Pro Gln Glu Ser Glu Met Leu Asn Phe Asn Glu
85 90 95

Lys Cys Thr Arg Ser Pro Leu Leu Thr Gln Leu Trp Ala Thr Ala Val
100 105 110

Leu Gly Ser Leu Ser Gly Thr Glu Asp Ile Arg Ile Asp Glu Arg Thr
115 120 125

Val Ser Pro Phe Leu Gln Leu Ser Asp Asp Arg Lys Thr Leu Thr Phe
130 135 140

Ser Thr Lys Lys Ser Lys Ala Cys Ala Asp Gly Pro Glu Arg Phe Asp
145 150 155 160

His Trp Pro Asn Ala Leu Ala Ala Thr Ser Phe Gln Asn Gly Leu His

BNSDOCID: <WO_ _0122920A2 I_ >

165 170 175

Ala Trp Met Val Asn Val Gln Asn Ser Cys Ala Tyr Lys Val Gly Val
180 185 190

Ala Ser Gly His Leu Pro Arg Lys Xaa Ser Gly Ser Asp Cys Arg Leu
195 200 205

Gly His Asn Ala Phe Ser Trp Val Phe Ser Arg Tyr Asp Gln Glu Phe
210 215 220

Arg Phe Ser His Asn Gly Gln His Glu Pro Leu Gly Leu Leu Arg Gly
225 230 235 240

Pro Xaa Gln Leu Gly Val Val Leu Asp Leu Gln Val Gln Glu Leu Leu
245 250 255

Phe Tyr Glu Pro Ala Ser Gly Thr Val Leu Cys Ala His His Val Ser
260 265 270

Phe Pro Gly Pro Leu Phe Pro Val Phe Ala Val Ala Asp Gln Thr Ile
275 280 285

Ser Ile Val Arg
290

<210> 4936
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4936
Asn Ala Tyr Gln Thr Ala Ser His Ala Ser Arg Lys Ile Phe Cys Glu
1 5 10 15

Arg Lys Ser Pro Ile Asp Val Ala Thr Leu Leu Leu Ser Tyr Phe Lys
20 25 30

Lys Leu Leu Gln Xaa Pro Xaa Pro Ser Ala Thr Thr Thr Leu Leu Ser

35 40 45

Gln Gln Pro Ser Arg
50

<210> 4937
<211> 267
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (234)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (235)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (245)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (248)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (261)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (263)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4937
His Val Arg Glu Thr His Val Ala Gly Glu Val Gly Glu Arg Lys Val
1 5 10 15

Gly Val Asn Thr Leu Trp Gly Ser Phe Glu Ile Ser Asn Val Arg Leu
20 25 30

Ala Arg Val Met Leu Thr Gln Phe Ala Glu Gly Arg Leu Glu Asp Gln
35 40 45

```
Leu Asp Lys Tyr Asp His Trp Ala Asp Arg Phe Glu Asp Leu Pro Leu
     50                  55                  60

Tyr Phe Met Thr Phe His Gly Gln Gln Ser Ile Arg Thr Val Ile Asp
 65                  70                  75                  80

Thr Met Gln His Ala Val Tyr Val Tyr Asp Ile Cys His Val Ile Ile
                 85                  90                  95

Asp Asn Leu Gln Phe Met Met Gly His Glu Gln Leu Ser Thr Asp Arg
            100                 105                 110

Ile Ala Ala Gln Asp Tyr Ile Ile Gly Val Phe Arg Lys Phe Ala Thr
        115                 120                 125

Asp Asn Asn Cys His Val Thr Leu Val Ile His Pro Arg Lys Glu Asp
    130                 135                 140

Asp Asp Lys Glu Leu Gln Thr Ala Ser Ile Phe Gly Ser Ala Lys Ala
145                 150                 155                 160

Ser Gln Glu Ala Asp Asn Val Leu Ile Leu Gln Asp Arg Lys Leu Val
                165                 170                 175

Thr Gly Pro Gly Lys Arg Tyr Leu Gln Val Ser Lys Asn Arg Phe Asp
            180                 185                 190

Gly Asp Val Gly Val Phe Pro Leu Glu Phe Asn Lys Asn Ser Leu Thr
        195                 200                 205

Phe Ser Ile Pro Pro Lys Asn Lys Ala Arg Leu Lys Lys Ile Lys Asp
    210                 215                 220

Asp Thr Gly Pro Val Ala Lys Lys Pro Xaa Xaa Gly Lys Lys Gly Ala
225                 230                 235                 240

Thr Thr Gln Asn Xaa Glu Ile Xaa Ser Gly Gln Ala Pro Thr Pro Asp
                245                 250                 255

Gln Gln Thr Pro Xaa Ser Xaa Gln Ser Glu Gly
            260                 265
```

<210> 4938
<211> 447
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (365)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4938

```
Gly Arg Ala Ser Gln Ala Pro Ser Ser Gly Leu Pro Ala Gly Gly Ala
  1               5                  10                  15

Asn Gly Glu Ser Pro Gly Gly Gly Ala Pro Phe Pro Gly Ser Ser Gly
             20                  25                  30

Ser Ser Ala Leu Leu Gln Ala Glu Val Leu Asp Leu Asp Glu Asp Glu
         35                  40                  45

Asp Asp Leu Glu Val Phe Ser Lys Asp Ala Ser Leu Met Asp Met Asn
     50                  55                  60

Ser Phe Ser Pro Met Met Pro Thr Ser Pro Leu Ser Met Ile Asn Gln
 65                  70                  75                  80

Ile Lys Phe Glu Asp Glu Pro Asp Leu Lys Asp Leu Phe Ile Thr Val
                 85                  90                  95

Asp Glu Pro Glu Ser His Val Thr Thr Ile Glu Thr Phe Ile Thr Tyr
            100                 105                 110

Arg Ile Ile Thr Lys Thr Ser Arg Gly Glu Phe Asp Ser Ser Glu Phe
        115                 120                 125

Glu Val Arg Arg Arg Tyr Gln Asp Phe Leu Trp Leu Lys Gly Lys Leu
    130                 135                 140

Glu Glu Ala His Pro Thr Leu Ile Ile Pro Pro Leu Pro Glu Lys Phe
145                 150                 155                 160

Ile Val Lys Gly Met Val Glu Arg Phe Asn Asp Asp Phe Ile Glu Thr
                165                 170                 175

Arg Arg Lys Ala Leu His Lys Phe Leu Asn Arg Ile Ala Asp His Pro
            180                 185                 190

Thr Leu Thr Phe Asn Glu Asp Phe Lys Ile Phe Leu Thr Ala Gln Ala
        195                 200                 205

Trp Glu Leu Ser Ser His Lys Lys Gln Gly Pro Gly Leu Leu Ser Arg
    210                 215                 220

Met Gly Gln Thr Val Arg Ala Val Ala Ser Ser Met Arg Gly Val Lys
225                 230                 235                 240

Asn Arg Pro Glu Glu Phe Met Glu Met Asn Asn Phe Ile Glu Leu Phe
```

BNSDOCID: <WO__0122920A2 I >

245 250 255

Ser Gln Lys Ile Asn Leu Ile Asp Lys Ile Ser Gln Arg Ile Tyr Lys
260 265 270

Glu Glu Arg Glu Tyr Phe Asp Glu Met Lys Glu Tyr Gly Pro Ile His
275 280 285

Ile Leu Trp Ser Ala Ser Glu Glu Asp Leu Val Asp Thr Leu Lys Asp
290 295 300

Val Ala Ser Cys Ile Asp Arg Cys Cys Lys Ala Thr Glu Lys Arg Met
305 310 315 320

Ser Gly Leu Ser Glu Ala Leu Leu Pro Val Val His Glu Tyr Val Leu
325 330 335

Tyr Ser Glu Met Leu Met Gly Val Met Lys Arg Arg Asp Gln Ile Gln
340 345 350

Ala Glu Leu Asp Ser Lys Val Glu Val Leu Thr Tyr Xaa Lys Ala Asp
355 360 365

Thr Asp Leu Leu Pro Glu Glu Ile Gly Lys Leu Glu Asp Lys Val Glu
370 375 380

Cys Ala Asn Asn Ala Leu Lys Ala Asp Trp Glu Arg Trp Lys Gln Asn
385 390 395 400

Met Gln Asn Asp Ile Lys Leu Ala Phe Thr Asp Met Ala Glu Glu Asn
405 410 415

Ile His Tyr Tyr Glu Gln Cys Leu Ala Thr Trp Glu Ser Phe Leu Thr
420 425 430

Ser Gln Thr Asn Leu His Leu Glu Glu Ala Ser Glu Asp Lys Pro
435 440 445

<210> 4939
<211> 323
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (219)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (234)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4939

```
Ala Ala Ala Ala Gln Gly Leu Val Arg Ala Gly Arg Arg Glu Leu Met
  1               5                  10                  15

Ala Glu Glu Glu Ser Asp Gln Glu Ala Glu Arg Leu Gly Glu Glu Leu
             20                  25                  30

Val Ala Ile Val Glu Ser Pro Leu Gly Pro Val Gly Leu Arg Ala Ala
         35                  40                  45

Gly Asp Gly Arg Gly Gly Ala Gly Ser Gly Asn Cys Gly Gly Gly Val
     50                  55                  60

Gly Ile Ser Ser Arg Asp Tyr Cys Arg Arg Phe Cys Gln Val Val Glu
 65                  70                  75                  80

Asp Tyr Ala Gly Arg Trp Gln Val Pro Leu Pro Gln Leu Gln Val Leu
                 85                  90                  95

Gln Thr Ala Leu Cys Cys Phe Thr Thr Ala Ser Ala Ser Phe Pro Asp
            100                 105                 110

Glu Cys Glu His Val Gln Tyr Val Leu Xaa Ser Leu Ala Val Ser Phe
        115                 120                 125

Phe Glu Leu Leu Leu Phe Phe Gly Arg Asp Glu Phe Tyr Glu Glu Pro
    130                 135                 140

Leu Lys Asp Ile Leu Gly Ser Phe Gln Glu Cys Gln Asn His Leu Arg
145                 150                 155                 160

Arg Tyr Gly Asn Val Asn Leu Glu Leu Val Thr Arg Ile Ile Arg Asp
                165                 170                 175

Gly Gly Pro Trp Glu Asp Pro Val Leu Gln Ala Val Leu Lys Ala Gln
            180                 185                 190

Pro Ala Ser Gln Glu Ile Val Asn Lys Tyr Leu Ser Ser Glu Asn Pro
        195                 200                 205

Leu Phe Phe Glu Leu Arg Ala Arg Tyr Leu Xaa Ala Cys Glu Arg Ile
    210                 215                 220
```

Pro Glu Ala Met Ala Leu Ile Lys Ser Xaa Ile Asn His Pro Glu Ile
225 230 235 240

Ser Lys Asp Leu Tyr Phe His Gln Ala Leu Phe Thr Cys Leu Phe Met
245 250 255

Ser Pro Val Glu Asp Gln Leu Phe Arg Glu Val Leu Phe Glu Thr Ile
260 265 270

Phe Ala Tyr Tyr His Phe Asn Pro Thr Lys Lys Lys Pro Lys Lys Lys
275 280 285

Ser Ser Pro Leu Leu Leu Leu Asn Ser Phe Tyr Ser Asn Ala Lys Asp
290 295 300

Leu Arg Ile Thr Leu Ser Gly Cys Val Phe Phe Trp His His Asn Leu
305 310 315 320

Arg Ser Cys

<210> 4940
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4940
Xaa Asn Leu Leu Phe Val Gly Phe Xaa Lys Ser Phe Ala Cys Ile Xaa
1 5 10 15

Tyr Lys Thr Thr Thr Val Tyr Met Leu Leu Pro Leu Ala Asp Glu Leu
20 25 30

Xaa Xaa Lys
35

<210> 4941
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4941
Met Asn Gly Pro Val Leu Asp Pro Asp Lys Glu Glu Xaa Thr Met Glu
1 5 10 15

Ala Leu Gly Met Ile Glu Thr Arg Gly Leu Val Ala Leu Ile Glu Ala
20 25 30

Ser Asp Ala Met Val Lys Ala Ala Arg Val Lys Leu Val Gly Val Lys
35 40 45

Gln Ile Gly Gly Gly Leu Cys Thr Ala Met
50 55

<210> 4942
<211> 48
<212> PRT
<213> Homo sapiens

<400> 4942
Pro Leu Lys Cys Phe Tyr Phe Gly Asn Phe Val Met Leu Ser Thr Phe
1 5 10 15

Val Ser Ala Gln Phe Ser Arg Leu Arg Ile Asn Leu Leu Phe Leu Asn
20 25 30

Ser Thr Ala Asp Phe Ser Phe Lys Phe His Arg Leu Ser Thr Tyr Ile
35 40 45

<210> 4943
<211> 80
<212> PRT
<213> Homo sapiens

<400> 4943
Trp Gln Asn Gly Arg Leu Ile Phe Ser Ile Ile Ile Gly Glu His Ile
1 5 10 15

Ile Phe Trp Asn His Ala Ile Leu His Thr Val Lys Pro Leu Ile Phe
20 25 30

Gln Gly Asn Ser Phe Arg Ile Trp Tyr Trp His Ala Val Ser Tyr Leu
35 40 45

Ser Arg Ile Phe Gly Leu Ser Glu Arg Tyr Gln Phe Lys Ile Ser Gly
50 55 60

Ser Val Arg Ile Phe Asp Pro Ser Gln Cys Gln Tyr Leu Met Asn His
65 70 75 80

<210> 4944
<211> 42
<212> PRT
<213> Homo sapiens

<400> 4944
Lys Ser Ser Arg Lys Leu Leu Leu Lys Lys Thr Gly Tyr Leu Asn Ile
1 5 10 15

Glu Ile Tyr Val Cys Cys Glu Phe Lys Glu Pro Val Ile Val Ser Phe
20 25 30

Thr Lys Pro Ser Val Phe Asn Gly Cys Lys
35 40

<210> 4945
<211> 77
<212> PRT
<213> Homo sapiens

<400> 4945
Arg Asn Val Asn Leu Cys Cys Phe Leu Cys Thr Ile Ala Ala Val Val
1 5 10 15

Ser Leu Leu Glu Ile Asn Ile Pro Tyr Tyr Asp Val Tyr Glu Tyr Arg
20 25 30

Phe Pro Phe Leu Pro Ser Leu Pro Pro Ser Pro Thr Phe Leu Phe Phe
35 40 45

Phe Ser Leu Ser Ala Ser Leu Phe Leu Leu Pro Ser Ser Leu Pro Leu
50 55 60

Ser Leu Leu Phe Leu Lys Ser Leu Ile Val Asn Lys Leu
65 70 75

<210> 4946
<211> 112
<212> PRT
<213> Homo sapiens

<400> 4946
Asn Ser Phe Cys Tyr Phe His Ile Arg Val Gln Thr Tyr Lys Gly Ala
1 5 10 15

Cys Ser Leu Lys Val His Asn Tyr Ser Tyr Ser Val Cys Leu Tyr Cys
20 25 30

Tyr Arg Met Leu Cys Phe Gly Ala Leu Ser Ser Ala Asp Pro Arg Ser
35 40 45

Ser Val Glu Ile His Cys Leu Gly His Ser Leu Ile Arg Met Leu Ala
50 55 60

Gly Asp Phe Val Ser Asp Val Ala Ser Leu Phe Ser Val His Arg Leu
65 70 75 80

Arg Val Thr Thr Val Ala Cys Arg Val His Pro Val Gly Ala Ala Gln
85 90 95

Leu Ser Glu Ser Lys Asn Leu Pro Thr Tyr Ser Asn Val Phe Ala Leu
100 105 110

<210> 4947
<211> 67
<212> PRT
<213> Homo sapiens

<400> 4947
Leu Ala Ser Glu Ser Val Val Gln Leu Val Cys Thr Gly Leu Lys Ala
1 5 10 15

Gly Glu Trp Val Ile His His His Lys Gly Cys Pro Phe Phe Ala Val
20 25 30

Thr Ala Asp Ala Cys Gly Arg Arg Ala Gln Gly Ser His Tyr His Phe
35 40 45

Ser Leu Leu Thr Pro Arg Lys Leu Ser Thr Phe Leu Asp Thr Leu Phe
50 55 60

Lys Val Leu
65

<210> 4948
<211> 277
<212> PRT
<213> Homo sapiens

<400> 4948
Val Ile Leu Asp Gly Leu Leu Thr Trp Gly Gln Phe Lys Gln His Tyr
1 5 10 15

Asn Arg His Phe Gly Phe Leu Gly Asp Phe Ile Gly Gln Val Gln Ser
20 25 30

Arg Lys Cys Ile Glu Asp Val Ile His Phe Ala Trp Glu Glu Lys Leu
35 40 45

Phe Leu Leu Ala Asp Glu Val Tyr Gln Asp Asn Val Tyr Ser Pro Asp
50 55 60

Cys Arg Phe His Ser Phe Lys Lys Val Leu Tyr Glu Met Gly Pro Glu
65 70 75 80

Tyr Ser Ser Asn Val Glu Leu Ala Ser Phe His Ser Thr Ser Lys Gly
85 90 95

```
Tyr Met Gly Glu Cys Gly Tyr Arg Gly Gly Tyr Met Glu Val Ile Asn
            100                 105                 110

Leu His Pro Glu Ile Lys Gly Gln Leu Val Lys Leu Leu Ser Val Arg
        115                 120                 125

Leu Cys Pro Pro Val Ser Gly Gln Ala Ala Met Asp Ile Val Val Asn
    130                 135                 140

Pro Pro Val Ala Gly Glu Glu Ser Phe Glu Gln Phe Ser Arg Glu Lys
145                 150                 155                 160

Glu Ser Val Leu Gly Asn Leu Ala Lys Lys Ala Lys Leu Thr Glu Asp
                165                 170                 175

Leu Phe Asn Gln Val Pro Gly Ile His Cys Asn Pro Leu Gln Gly Ala
            180                 185                 190

Met Tyr Ala Phe Pro Arg Ile Phe Ile Pro Ala Lys Ala Val Glu Ala
        195                 200                 205

Ala Gln Ala His Gln Met Ala Pro Asp Met Phe Tyr Cys Met Lys Leu
    210                 215                 220

Leu Glu Glu Thr Gly Ile Cys Val Val Pro Gly Ser Gly Phe Gly Gln
225                 230                 235                 240

Arg Glu Gly Thr Tyr His Phe Arg Met Thr Ile Leu Pro Pro Val Glu
                245                 250                 255

Lys Leu Lys Thr Val Leu Gln Lys Val Lys Asp Phe His Ile Asn Phe
            260                 265                 270

Leu Glu Lys Tyr Ala
        275
```

<210> 4949
<211> 73
<212> PRT
<213> Homo sapiens

```
<400> 4949
Glu Asn Pro Ser Phe Thr Arg Arg Pro Asp Ser Phe Tyr Thr Ser Phe
  1               5                  10                  15

Ile Met Leu Asp Cys Asn Lys Phe Gln Ile Leu Glu Trp Ala Tyr Leu
             20                  25                  30
```

```
Thr Asp Leu Thr Ile Leu Met Ile Ser Ile Arg Ile Thr Tyr Ser Lys
         35                  40                  45

Val Lys Ser Gly Lys Thr Leu Leu Val Phe Ile Leu Ile Ser Leu Tyr
     50                  55                  60

Ser Phe Leu Asn Met Glu Ile Gln Trp
 65                  70
```

<210> 4950
<211> 33
<212> PRT
<213> Homo sapiens

<400> 4950

```
Ser Pro Ala Lys Trp Leu Met Pro Glu Ile Pro Ala Leu Cys Glu Ala
  1               5                  10                  15

Lys Ala Gly Gly Ser Pro Glu Ala Arg Ser Ser Arg Val Ala Trp Ala
             20                  25                  30

Ala
```

<210> 4951
<211> 75
<212> PRT
<213> Homo sapiens

<400> 4951

```
Gly Arg Ala Val Leu Glu Ile Asp Trp Val Gly Leu Glu Pro Glu Phe
  1               5                  10                  15

Ile Phe Leu Ile Cys Ile Pro Gly Asp Ser Cys Glu Ser Asp Ala Phe
             20                  25                  30

Gly Asn His Cys Thr Lys Ser Tyr Leu Trp Val Leu Gln Thr Ala Ser
         35                  40                  45

Pro Glu Ala Ser Leu Gly Leu Arg Ile Phe Ser Ser Asn Val Leu Val
     50                  55                  60

Arg Ser Leu Ser Ile Leu Trp Gly Trp Leu Trp
 65                  70                  75
```

<210> 4952
<211> 30
<212> PRT
<213> Homo sapiens

<400> 4952
Ile Phe Ser Ile Phe Thr Val Leu Val Tyr Phe Phe Pro Val Thr Val
1 5 10 15

Cys Met Asn Thr Asn Val Val Phe Asn Pro Pro Phe Gln Phe
20 25 30

<210> 4953
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4953
Gly Ala Leu Asp Cys Gly Ser Pro Ala Ser Ser Thr Pro Tyr Phe Thr
1 5 10 15

Gly Leu Glu Leu Pro Gly Asp Xaa Lys Leu Asp Ala Pro Tyr Asn Phe
20 25 30

Asn His Pro Phe Ser Ile Asn Asn Leu Met Xaa Glu Gln Thr Pro Ala
35 40 45

Pro Pro Lys Leu Asp Val Gly Phe Xaa Gly Tyr Gly Ala Glu Gly Gly
50 55 60

Glu Pro Gly Val Tyr Tyr Gln Gly Leu Tyr Ser Arg Ser Leu Leu Asn
65 70 75 80

Ala Ser

BNSDOCID: <WO_ 0122920A2 I_>

<210> 4954
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4954

```
Asp Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser
  1               5                  10                  15

Gly Ile Pro Gly Ser Thr His Ala Ser Asp Cys Phe Val Phe Ser Arg
             20                  25                  30

Val Leu Tyr Lys Trp Asn Tyr Ile Val Cys Thr Phe Leu Tyr Ser Leu
         35                  40                  45

Ala Ser Phe Thr Gln Ile Ile Ile Leu Arg Phe Phe Ser Val Val Ala
     50                  55                  60

Cys Ile Asn Asn Ser Phe Ile Phe Cys Ser Asn Ile Pro Leu Tyr Gly
 65                  70                  75                  80

Tyr Thr Lys Ile Tyr His Ser Phe Ala Asp Glu His Leu Gly Tyr Leu
                 85                  90                  95

Gln Phe Tyr Leu Gln Xaa Lys Leu Leu Arg Ile Leu Val Tyr Glu Ser
            100                 105                 110

Leu Tyr Gly His Ile Xaa Ser Phe
        115                 120
```

<210> 4955
<211> 44
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4955
Phe Ile Asn Gly Lys Pro Glu Val Lys Lys Asp Leu Leu Glu Ala Gln
1 5 10 15

Thr Asn Ile Ala Phe Leu Gln Ser Glu Leu Asp Ala Leu Lys Ser Xaa
20 25 30

Tyr Ala Asp Xaa Ser Leu Xaa Thr Glu Xaa Asp Leu
35 40

<210> 4956
<211> 68
<212> PRT
<213> Homo sapiens

<400> 4956
Asp Ser Gly Ala Ala Phe Ser Phe Gly Gly Leu Ala Phe Ile Val Glu
1 5 10 15

Asn Ala Met Gly Ser Phe Gln Asn Gly Tyr Leu Ser Asn Leu Ser Ile
20 25 30

Phe Gln Asn Ser Tyr Phe Phe Pro Ala His Gly Gln Thr Arg Glu Phe
35 40 45

Ser Ser Val Leu Arg His Glu Asn Leu Val Gly His Leu Lys Val Lys
50 55 60

Ser Val Asn Val

65

<210> 4957
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4957
Pro Pro Ala Ala Ala Ser His Leu Gly Asn Ile Glu Asn Gln Gly Asn
1 5 10 15

Gly Leu Lys Ala Gly Arg Ser Val Cys Gln Gln Gly Pro Asn Tyr Val
20 25 30

Arg Trp Thr Arg Gly Thr His Leu Gln Gly Gly Lys Ser Arg Gly Arg
35 40 45

Thr Ser Gly Asp Trp Pro Lys Val Leu Pro Cys Leu Gln Asp Glu Thr
50 55 60

Arg Leu Leu Ser Pro Ala Phe Xaa Ala Pro Ala Thr Arg Leu Leu Leu
65 70 75 80

Thr Asp Pro Ser Leu Pro Leu Ser Ala Ser Ile Gln Val Ala Val Pro
85 90 95

Ala Leu Cys Xaa Ala Leu Ser Cys Leu Cys Ile Leu His Lys Leu
100 105 110

<210> 4958
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)

BNSDOCID: <WO___0122920A2 I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4958
Pro Gln Arg Xaa Val Lys Ser Phe Cys His Tyr Leu His Lys Cys Val
1 5 10 15

Lys His Arg Phe Gln Gln Ser Ala Trp His Ile Xaa Gly Cys Ser Met
20 25 30

Val Xaa Phe Ile Ile Ile Thr Gln Ile Pro Gln Trp Gln Glu Thr Ser
35 40 45

Phe Tyr Ile Met Glu Asn Ile Tyr Ile Lys Ser His Leu Leu
50 55 60

<210> 4959
<211> 44
<212> PRT
<213> Homo sapiens

<400> 4959
Ala Ile His Ser Leu Gln Gln Phe Asp Lys Ile Tyr Phe Cys Glu Gln
1 5 10 15

Lys Leu Arg His Leu His Phe Leu Pro Met Trp Ser Leu Gln Thr Trp
20 25 30

Glu Thr Ile His Glu Tyr Leu Tyr Cys Met Val Ile
35 40

<210> 4960
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4960
His Ile Phe Xaa Phe Phe Phe Phe Cys Tyr Thr Lys Ser Arg Phe Leu
1 5 10 15

Leu Asn Leu Cys Asn Asn Tyr Ile Thr Ile Gln Tyr Lys Tyr Cys Thr
20 25 30

Ser Ser Ile Lys Ile Cys Ser Leu Tyr Asp Arg Ile His Leu Lys Thr
35 40 45

Leu Val Ile Leu Pro Arg Leu
50 55

<210> 4961
<211> 70
<212> PRT
<213> Homo sapiens

<400> 4961
Ser Asn Gln Gly Asp His Gln Val Lys Leu Lys His Lys Ile Ile Val
1 5 10 15

Gly Gly Phe Leu Val Lys Asp Val Asn Val Gly Phe Pro Thr His His
20 25 30

Gly Val Ser Thr His His Cys Met Leu Gly Thr Ala Val Ser Leu Gly
35 40 45

His Glu Leu Lys Glu His Thr Asn Phe Trp Ser Val Pro Ala Ala Ser
50 55 60

Arg Pro Ser Phe Cys Tyr
65 70

<210> 4962
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4962
Val Gln Pro Gln His Ala Cys Thr Gln Ala Leu Ile Lys Thr Ala Cys
1 5 10 15

Cys Ser Pro Leu Pro Arg Val Val Cys Trp Arg Ala Val Gly Val Arg
20 25 30

Thr Asp Thr Arg Thr Phe His Leu Pro Gly Ala Leu Ala Ser Ser Ile
35 40 45

Ser Phe Ser Thr Val Leu Lys Gln Asp Arg Xaa Ser Glu Arg Pro Val
50 55 60

Ile Cys Pro Lys Cys Cys Arg Arg Arg Leu Asn Val Leu Glu Ser Leu
65 70 75 80

Leu Ser His Leu His Tyr Asp Lys Ser Ile Val Pro Asn Arg
85 90

<210> 4963
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4963
Leu Ala His Ile Lys Ile Val Glu Pro His Thr Leu Asn Leu Ala Asn
1 5 10 15

Leu Val Thr Ala Gly Leu His Tyr Pro Val Leu Phe Phe Thr Arg Leu
20 25 30

Thr Leu Pro Cys Ser Trp Cys Cys Val Asp Leu Cys Xaa Lys His Asn
35 40 45

Arg Asn Ile
50

<210> 4964
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4964
Trp Ser Val Gln Pro His Ser Asp Ile Thr Met Arg Ser Trp Ile Ser
1 5 10 15

Ile Pro Trp Gly Gly Pro Val Arg His Leu Leu His Pro Trp Asn Trp
20 25 30

Ile Ile Leu Glu Xaa Lys Pro Gly Thr
35 40

<210> 4965
<211> 51
<212> PRT
<213> Homo sapiens

<400> 4965
Gly Arg Arg Gln Ser Ser Gly Ser Ser Ser Pro Ala Ala Tyr Gly Thr
1 5 10 15

Leu Pro Cys Leu Asp Pro Ser Ile Arg Lys Thr Tyr Pro Ser Thr Thr
20 25 30

Gly Lys Ser Ala Asn Leu Asn Pro Lys Met Ala Met Ile Ser Val Cys
35 40 45

Glu Thr Ser
50

<210> 4966
<211> 160
<212> PRT
<213> Homo sapiens

<400> 4966
Ile Phe Leu Val Phe Cys Lys Leu Ser Val Ile Phe Ser Ser Leu Leu
1 5 10 15

Arg Lys Met Ala Thr Gln Met Val Ala Ala Gln Leu Ala Ser Met Val
20 25 30

Trp Asn Asn Pro Ser Gln Gln Gln Phe Met Gln Phe Gly Gly Ser Ser
35 40 45

Gly Ser Gln Leu Pro Gln Ile Gln Thr Asp Val Val Leu Pro Ser Cys
50 55 60

Lys Lys Lys Ala Pro Ala Glu Thr Pro Val Lys Glu Arg Leu Phe Ile
65 70 75 80

Val Phe Asn Pro His Pro Leu Pro Leu Asp Val Leu Glu Asp Ile Phe
85 90 95

Cys Arg Phe Gly Asn Leu Ile Glu Val Tyr Leu Val Ser Gly Lys Asn
100 105 110

Val Gly Tyr Ala Lys Tyr Ala Asp Arg Ile Ser Ala Asn Asp Ala Ile
115 120 125

Ala Thr Leu His Gly Lys Ile Leu Asn Gly Val Arg Leu Lys Val Met
130 135 140

Leu Ala Asp Ser Pro Arg Glu Glu Ser Asn Lys Arg Gln Arg Thr Tyr
145 150 155 160

<210> 4967
<211> 57
<212> PRT
<213> Homo sapiens

<400> 4967
Lys Ser Glu Thr Pro Ser Gln Glu Lys Lys Lys Lys Lys Val Tyr Ser
1 5 10 15

Asn Arg Gln Ile Arg Gly Leu Arg Asp Pro Pro Leu Leu Leu Leu Pro
20 25 30

Glu Val Cys Arg Thr Val Tyr Arg Tyr Leu Leu Asp Arg Cys Pro Leu
35 40 45

Ser Tyr Phe Ile Cys Thr Val Ile Leu
50 55

<210> 4968
<211> 68
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ _ 0122920A2 I_>

<400> 4968
Met Ser Lys Gly Thr Pro Leu Asn Thr Lys Thr Phe Ser Ser Trp Gln
1 5 10 15

Thr Tyr Leu Ala Arg Ser Trp Arg Arg Val Arg Phe Gln Thr Met Leu
20 25 30

Pro Phe Cys Pro Cys Gln Tyr Val Leu Thr Asp Cys Asp Ser Ala Val
35 40 45

Asn Thr His Thr His Thr Gln Thr His Thr Gln Ala Pro Ser Val Tyr
50 55 60

Asp Gln Asp Lys
65

<210> 4969
<211> 49
<212> PRT
<213> Homo sapiens

<400> 4969
Pro Val Ser Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys Lys Ser Pro Gly Val Pro Asn Ser Val Phe Pro Glu Glu Glu Asp
20 25 30

Leu Ser Tyr Leu Leu Lys Gln Arg Ser Pro Phe Pro Val Val Ser Leu
35 40 45

Leu

<210> 4970
<211> 199
<212> PRT
<213> Homo sapiens

<400> 4970
Ala Arg Thr Lys Lys Ile Pro Phe Leu Gly Val Cys Leu Gly Met Gln
1 5 10 15

Leu Ala Val Ile Glu Phe Ala Arg Asn Cys Leu Asn Leu Lys Asp Ala
20 25 30

Asp Ser Thr Glu Phe Arg Pro Asn Ala Pro Val Pro Leu Val Ile Asp
35 40 45

Met Pro Glu His Asn Pro Gly Asn Leu Gly Gly Thr Met Arg Leu Gly
50 55 60

Ile Arg Arg Thr Val Phe Lys Thr Glu Asn Ser Ile Leu Arg Lys Leu
65 70 75 80

Tyr Gly Asp Val Pro Phe Ile Glu Glu Arg His Arg His Arg Phe Glu
85 90 95

Val Asn Pro Asn Leu Ile Lys Gln Phe Glu Gln Asn Asp Leu Ser Phe
100 105 110

Val Gly Gln Asp Val Asp Gly Asp Arg Met Glu Ile Ile Glu Leu Ala
115 120 125

Asn His Pro Tyr Phe Val Gly Val Gln Phe His Pro Glu Phe Ser Ser
130 135 140

Arg Pro Met Lys Pro Ser Pro Pro Tyr Leu Gly Leu Leu Leu Ala Ala
145 150 155 160

Thr Gly Asn Leu Asn Ala Tyr Leu Gln Gln Gly Cys Lys Leu Ser Ser
165 170 175

Ser Asp Arg Tyr Ser Asp Ala Ser Asp Asp Ser Phe Ser Glu Pro Arg
180 185 190

Ile Ala Glu Leu Glu Ile Ser
195

<210> 4971
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4971

Ala Ser Pro Gly Leu Gly Gly Ala Gln Ser Ser Val Leu His Asn Gly
1 5 10 15

Phe Phe His Gly Ser Pro Gly Glu Leu Leu Tyr Thr Gln Lys Ile Gln
20 25 30

Pro Leu Pro Ala Leu Ser Pro Phe Ser Leu Leu Leu Pro Phe Pro Met
35 40 45

Pro Arg Ser Arg Gln Xaa Leu Thr Phe Arg Thr Ser Ile Ala Xaa Leu
50 55 60

Ile Leu Arg Pro Leu Phe Lys Gly Gly
65 70

<210> 4972
<211> 301
<212> PRT
<213> Homo sapiens

<400> 4972
Lys Ser Pro Gln Cys His Cys Leu Asp Leu Leu Glu Lys Tyr Gly Gln
1 5 10 15

Gly Gly Asn Cys Thr Glu Gly Arg Met Val Phe Ser Tyr His Asn Ser
20 25 30

Phe Leu Ile Ala Asp Arg Asn Glu Ala Trp Ile Leu Glu Thr Ala Gly
35 40 45

Lys Tyr Trp Ala Ala Glu Lys Val Gln Glu Gly Val Arg Asn Ile Ser
50 55 60

Asn Gln Leu Ser Ile Thr Thr Lys Ile Ala Arg Glu His Pro Asp Met
65 70 75 80

Arg Asn Tyr Ala Lys Arg Lys Gly Trp Trp Asp Gly Lys Lys Glu Phe
85 90 95

Asp Phe Ala Ala Ala Tyr Ser Tyr Leu Asp Thr Ala Lys Met Met Thr
100 105 110

Ser Ser Gly Arg Tyr Cys Glu Gly Tyr Lys Leu Leu Asn Lys His Lys
115 120 125

Gly Asn Ile Thr Phe Glu Thr Met Met Glu Ile Leu Arg Asp Lys Pro
130 135 140

Ser Gly Ile Asn Met Glu Gly Glu Phe Leu Thr Thr Ala Ser Met Val

```
145                 150                 155                 160

Ser Ile Leu Pro Gln Asp Ser Ser Leu Pro Cys Ile His Phe Phe Thr
                165                 170                 175

Gly Thr Pro Asp Pro Glu Arg Ser Val Phe Lys Pro Phe Ile Phe Val
            180                 185                 190

Pro His Ile Ser Gln Leu Leu Asp Thr Ser Ser Pro Thr Phe Glu Leu
        195                 200                 205

Glu Asp Leu Val Lys Lys Lys Ser His Phe Lys Pro Asp Arg Arg His
    210                 215                 220

Pro Leu Tyr Gln Lys His Gln Gln Ala Leu Glu Val Val Asn Asn Asn
225                 230                 235                 240

Glu Glu Lys Ala Lys Ile Met Leu Asp Asn Met Arg Lys Leu Glu Lys
                245                 250                 255

Glu Leu Phe Arg Glu Met Glu Ser Ile Leu Gln Asn Lys His Leu Asp
            260                 265                 270

Val Glu Lys Ile Val Asn Leu Phe Pro Gln Cys Thr Lys Asp Glu Ile
        275                 280                 285

Gln Ile Tyr Gln Ser Asn Leu Ser Val Lys Val Ser Ser
    290                 295                 300
```

<210> 4973
<211> 66
<212> PRT
<213> Homo sapiens

<400> 4973

```
Glu Leu Gln Gly Asn Glu Met Leu Gly Asp Leu Gln Ser Phe Leu Gly
  1               5                  10                  15

Ala Val Arg Ala Val Met Leu Asp Val Lys Ser Val Thr Trp Lys Ala
             20                  25                  30

Asn Trp Lys Pro Trp Met Lys Val Tyr His Ala Gln Asn Thr Lys Lys
         35                  40                  45

Asp Lys Ser Arg Arg His Arg Ala Ser Val Gly Phe Pro Glu Glu Glu
     50                  55                  60

Thr Ala
 65
```

<210> 4974
<211> 68
<212> PRT
<213> Homo sapiens

<400> 4974
Cys Leu Thr Ser Leu Phe Ile Leu Asp Leu Asn Phe Ser Phe Leu Pro
1 5 10 15

Ser Pro Phe Thr Ser Ile Arg Arg Leu His His His Phe Phe Gly Pro
20 25 30

Leu Thr Leu Leu Ser Phe Pro Phe Ser Phe Ser Phe Phe Asn Arg Met
35 40 45

Ser Ser Ile Leu Ser Leu His Ser Pro Pro Asp Ala Val Asp Ser Ala
50 55 60

Met Leu Trp Ile
65

<210> 4975
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4975
Cys Phe Ser Pro Phe Leu Gln Met Phe Val Ser Ser Ser Gly Leu Pro
1 5 10 15

Pro Ser Pro Val Pro Ser Pro Arg Arg Phe Ser Ser Arg Arg Ser Gln

20 25 30

Ser Pro Val Lys Cys Ile Arg Pro Ser Val Leu Gly Pro Leu Lys Arg
35 40 45

Lys Gly Glu Met Glu Thr Glu Ser Gln Pro Lys Arg Leu Phe Gln Gly
50 55 60

Thr Thr Asn Met Leu Ser Pro Asp Ala Ala Gln Leu Ser Asp Leu Ser
65 70 75 80

Ser Xaa Ser Asp Ile Leu Asp Gly Ser Xaa Ser Ser Ser Gly Leu Ser
85 90 95

Ser Asp Pro Leu Ala Lys Gly Ser Ala Thr Ala Glu Ser Pro Val Ala
100 105 110

Cys Ser Asn Ser Cys Ser Ser Phe Ile Leu Met Xaa Asp Leu Ser Pro
115 120 125

Lys

<210> 4976
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4976
Glu Arg Val Gln Val Asn Ala Asn Asp Val Leu Ala Thr Phe Ser Gln
1 5 10 15

Lys Ile Leu His Trp Asn Thr Asp Cys Asn Ile Lys Leu Leu Cys Val
20 25 30

Tyr Cys Phe Tyr Xaa Cys Ile His Arg Xaa Val Phe Tyr Arg Tyr Ile
35 40 45

Arg Ser Met Ala Leu Xaa
50

<210> 4977
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4977
Val Ile Ala Val Gln Glu Pro Gly Val Pro Ser Arg Asp Pro Cys Leu
1 5 10 15

Glu Ala Gln Glu Arg Pro Ala Ala Ser Met Pro Trp Asp Ala Arg Arg
20 25 30

Pro Gly Gly Gly Ala Asp Gly Gly Pro Glu Ala Ser Gly Ala Ala Arg
35 40 45

Ser Arg Ala Gln Lys Gln Cys Arg Lys Ser Ser Phe Ala Phe Tyr Gln
50 55 60

Ala Val Arg Asp Leu Leu Pro Val Trp Leu Leu Gly Xaa Tyr
65 70 75

<210> 4978
<211> 141
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4978
Arg Glu Gln Pro Ala Gly His Thr Pro Leu Pro Val Pro Ala Xaa Gln
1 5 10 15

```
Pro Val Asp Tyr Phe Ile Leu Ile Leu Gln Gly Arg Val Glu Val Glu
            20                  25                  30

Ile Gly Lys Glu Gly Leu Lys Phe Glu Asn Gly Ala Phe Thr Tyr Tyr
        35                  40                  45

Gly Val Ser Ala Leu Thr Val Pro Ser Ser Val His Gln Ser Pro Val
    50                  55                  60

Ser Ser Leu Gln Pro Ile Arg His Asp Leu Gln Pro Asp Pro Gly Asp
65                  70                  75                  80

Gly Thr His Ser Ser Ala Tyr Cys Pro Asp Tyr Thr Val Arg Arg Ser
                85                  90                  95

Leu Ile Cys Ser Ser Ser Arg Leu Arg Asp Cys Ser Thr Ser Met His
            100                 105                 110

Ser Trp Leu Pro Glu Pro Arg Thr Cys His Ser Pro Leu Arg Thr Pro
        115                 120                 125

Thr Cys Ser Tyr Ser Arg Gln Pro Asp Gln Ala Pro Trp
    130                 135                 140
```

<210> 4979
<211> 79
<212> PRT
<213> Homo sapiens

<400> 4979

```
Lys Asp Leu Asp Asn Gln Thr Ile Ile Val Gly Asn Phe Asn Thr Pro
  1               5                  10                  15

Leu Thr Val Leu Asp Arg Ser Leu Arg Gln Lys Thr Asn Lys Glu Met
            20                  25                  30

Leu Asp Leu Asn Ser Ala Leu Asn Gln Leu Lys Leu Ile Asp Lys Tyr
        35                  40                  45

Arg Thr Leu His Pro Lys Gly Met Leu Ile His Cys Trp Trp Lys Cys
    50                  55                  60

Lys Leu Val Gln Ala Leu Arg Lys Ala Val Trp Arg Phe Leu Lys
65                  70                  75
```

<210> 4980
<211> 56

<212> PRT
<213> Homo sapiens

<400> 4980
Asp Pro Lys Cys Leu Gly Pro Lys Tyr Phe Gly Phe Phe Gln Ile Leu
1 5 10 15

Glu Tyr Leu His Tyr Thr Leu Met Ser Ile Ser Phe Glu His His Val
20 25 30

Gly Val Leu Lys Ala Ser Asp Phe Gly Ala Phe His Ile Leu Asp Phe
35 40 45

Gln Ile Arg Asp Ala Gln Pro Val
50 55

<210> 4981
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4981
Gly Xaa Tyr Gln Ala Asn Ile Ala Glu Leu Thr His Ala Asn Asn Arg
1 5 10 15

Val Asp Gln Asn Glu Ala Glu Val Lys Lys Leu Arg Leu Arg Val Glu
20 25 30

Glu Leu Lys Gln Gly Leu Asn Gln Lys Glu Asp Glu Leu Asp Asp Ser
35 40 45

Leu Asn Gln Ile Arg Lys Leu Gln Arg Ser Leu Asp Glu Glu Lys Glu
50 55 60

Arg Asn Glu Asn Leu Glu Thr Glu Leu Arg His Leu Gln Asn Trp
65 70 75

<210> 4982
<211> 104
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I >

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4982
Gly Pro His Pro Gly Gly Gly Pro Trp Gly Gly Asp Arg Glu Val Ala
1 5 10 15

Leu Lys Asn Thr Ala Val Leu Ile Leu His Ser Met Gly Pro His Pro
20 25 30

Gly Gly Gly Gly Gly Ser His Cys Ile Cys Trp Leu Arg Ala Pro Ala
35 40 45

Cys Ala Ser Arg Ala Pro Gly Leu Leu Cys Leu Leu Ser Val Pro Ile
50 55 60

Ser Ile Lys Gly Leu Pro Leu Gly Gly Gln Lys Lys Lys Lys Lys Lys
65 70 75 80

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
85 90 95

Lys Lys Lys Xaa Gly Xaa Pro Phe
100

<210> 4983
<211> 65
<212> PRT
<213> Homo sapiens

<400> 4983
Arg Lys Lys Gln Ile Ala Leu Asn Ala Val Tyr Pro Lys Thr Arg Phe
1 5 10 15

Pro Gly Cys Pro Ser Thr Leu Tyr Arg Pro Pro Phe Trp Leu Leu Thr
20 25 30

Gln Cys Ile Phe Cys Tyr Ile Lys Met Gly Pro Arg Leu His Leu Leu
35 40 45

Arg Asn Tyr Lys Leu Leu Gly Val Gln Gly Cys Val Ser Tyr Ile Leu
50 55 60

Pro
65

<210> 4984
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4984
Gly Val Lys Glu Ser Gly Val Thr Asn Val Val Ala Gly Ala Thr Leu
1 5 10 15

Lys Leu Cys Ser Val Pro Trp Lys Lys Glu Glu Glu Glu Glu Ala Lys
20 25 30

Leu Glu Gly Lys Ala Pro Gly Val Ser Ser Trp Asn Leu Arg Trp Glu
35 40 45

Glu Thr Leu Lys Val Ile Trp Ser Ser Ile Phe Gln Ser Met Phe His
50 55 60

Glu Leu Val Phe Gln Lys Trp Phe Pro Gly Leu Val Ser Gly Ser Ser
65 70 75 80

Met Arg Val Ala Val Val Tyr Phe Val His Arg Cys Ile Leu Xaa Asp
85 90 95

<210> 4985
<211> 77
<212> PRT
<213> Homo sapiens

<400> 4985
Ala Ala Gly Ser Asn Ala Ser Gln Ala Glu His Ser Val Ser Arg Asp
1 5 10 15

Ser Cys Val Glu Gln Ile Arg Val His Ala Gln Val Pro Arg Leu Glu
20 25 30

BNSDOCID: <WO__ 0122920A2 I >

Trp Leu Cys Gln Asn Pro Phe Lys Gly Phe Ser Phe Ser Leu Leu Gly
35 40 45

Gln Asn Ile Leu Ser His Leu Gly Arg Phe Arg Met Gly Arg Ala Asn
50 55 60

Leu Asn Lys Arg Phe Phe Leu Tyr Pro Glu Ile Glu Gly
65 70 75

<210> 4986
<211> 287
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (189)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (193)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (201)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4986
Leu Leu Ala Pro Thr Arg Arg His Ser Pro Gly Ser Pro Ala Phe Ala
1 5 10 15

Pro Ser Ser Arg Ala Thr Ala Met Cys Pro Arg Ala Ala Arg Ala Pro
20 25 30

Ala Thr Leu Leu Leu Ala Leu Gly Ala Val Leu Trp Pro Ala Ala Gly
35 40 45

Ala Trp Glu Leu Thr Ile Leu His Thr Asn Asp Val His Ser Arg Leu
50 55 60

Glu Gln Thr Ser Glu Asp Ser Ser Lys Cys Val Asn Ala Ser Arg Cys
65 70 75 80

Met Gly Gly Val Ala Arg Leu Phe Thr Lys Val Gln Gln Ile Arg Arg
85 90 95

```
Ala Glu Pro Asn Val Leu Leu Leu Asp Ala Gly Asp Gln Tyr Gln Gly
            100                 105                 110

Thr Ile Trp Phe Thr Val Tyr Lys Gly Ala Glu Val Ala His Phe Met
        115                 120                 125

Asn Ala Leu Arg Tyr Asp Ala Met Ala Leu Gly Asn His Glu Phe Asp
    130                 135                 140

Asn Gly Val Glu Gly Leu Ile Glu Pro Leu Leu Lys Glu Ala Lys Phe
145                 150                 155                 160

Pro Ile Leu Ser Ala Asn Ile Lys Ala Lys Gly Pro Leu Ala Ser Gln
                165                 170                 175

Ile Ser Gly Leu Tyr Leu Pro Tyr Lys Val Leu Pro Xaa Gly Asp Glu
            180                 185                 190

Xaa Val Gly Ile Val Gly Tyr Thr Xaa Lys Glu Thr Pro Phe Leu Ser
        195                 200                 205

Asn Pro Gly Thr Asn Leu Val Phe Glu Asp Glu Ile Thr Ala Leu Gln
    210                 215                 220

Pro Glu Val Asp Lys Leu Lys Thr Leu Asn Val Asn Lys Ile Ile Ala
225                 230                 235                 240

Leu Gly His Ser Gly Phe Glu Met Asp Lys Leu Ile Ala Gln Lys Val
                245                 250                 255

Arg Gly Val Asp Val Val Val Gly Gly His Ser Asn Thr Phe Leu Tyr
            260                 265                 270

Thr Gly Asn Cys Phe Lys Arg Ile Ala Trp Ala Arg Met Ser Arg
        275                 280                 285
```

<210> 4987
<211> 81
<212> PRT
<213> Homo sapiens

<400> 4987

```
Tyr Ala Ser Leu Gln Cys Tyr Trp Ser Lys Cys Met Ser Ile Ser Gln
  1               5                  10                  15

Arg Leu Tyr Pro Cys Ser Leu Thr Leu Gly Asn Leu Lys Ala Leu Ile
             20                  25                  30

Leu Leu Leu Ser Pro His Lys Glu Val Leu Leu Ser Gly Gly Arg Ala
```

BNSDOCID: <WO__ 0122920A2 I_>

35 40 45

Asp Val Gly His Pro Thr Glu Asn Phe Arg Asn His Val Arg Asp Asp
50 55 60

Ala Ser His Glu Arg Leu Arg Ala Ser Phe Arg Phe Gly Asn Ile Leu
65 70 75 80

Lys

<210> 4988
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4988
Leu Ala Ser Ser Arg Gly Gln Arg Thr Asp Ile Leu Pro Thr Phe Gly
1 5 10 15

Gly Pro Arg Glu Ala Pro Gly Ala Lys Val Leu Ala Leu Val Pro Gly
20 25 30

Thr Gln Glu Met Pro Ser Pro Val Gly Leu Leu Arg Ala Leu Pro Leu
35 40 45

Pro Trp Pro Gln Phe Leu Ala Cys Thr Leu Arg Arg Leu Ala Gly Pro
50 55 60

Arg Xaa Ser Thr Gly Pro Ser Gln Lys Pro Pro Pro Leu Cys Ser Val
65 70 75 80

Pro Cys Arg Val Pro Ala Asn Asp Gly Gly Gly Gly Pro Gly Lys Pro
85 90 95

Ser Ser Ala Leu Trp Thr Xaa Ser Ala Cys Tyr Ser Glu Xaa Gly Leu
100 105 110

Glu Thr Ser Ser Ser Arg Ser
115

<210> 4989
<211> 39
<212> PRT
<213> Homo sapiens

<400> 4989
Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Ala Ala Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Ala Thr Val Pro
20 25 30

Gly Leu Pro Trp Leu Phe Ser
35

<210> 4990
<211> 97
<212> PRT
<213> Homo sapiens

<400> 4990
Ala Phe Tyr Cys Arg Pro Ser Pro Glu Lys Gly Ala Arg Val Phe Pro
1 5 10 15

Glu Pro Arg Cys Gln Gly Pro Arg Thr Pro Phe Thr Ala Asp Pro Leu
20 25 30

Gln Arg Leu Gly Arg Gly Leu Trp Arg Thr Trp Phe Leu Leu Thr Val
35 40 45

Leu Pro Leu Gly Pro Pro Ser Gln Thr Gln Thr Ile Gln Asp Pro Leu
50 55 60

Ser Val Arg Pro Asn Gly Asn Ser Glu Ala Val Ile Phe Pro Pro Leu
65 70 75 80

Pro Leu His Ser Leu Val Phe Cys Pro Leu Leu Cys Ser Ser Leu Pro
85 90 95

Pro

<210> 4991
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4991
Met Glu Lys Leu Val Leu Asp His Asp Gly Lys Gly Val Leu Glu Leu
1 5 10 15

Leu Pro Phe Gly Ile Thr Asp Arg Thr Asp Phe Leu Ser Leu Ile Arg
20 25 30

Asn Ile Tyr Asn Leu Phe Ser Lys Ser Ala Thr Arg Arg Leu His Leu
35 40 45

His Asp Lys Thr Leu Val Ser Thr Thr Pro Tyr Leu Asn Pro Asp Ser
50 55 60

Pro Lys Phe Leu Asp Asn Asn Leu Thr Xaa Ser Ile His Ala Asn Gln
65 70 75 80

<210> 4992
<211> 137
<212> PRT
<213> Homo sapiens

<400> 4992
Leu Phe Pro Thr His Pro Lys Pro Arg Thr Arg Leu Phe Ser Leu Ser
1 5 10 15

Ser Gly Arg Met Arg Arg Ala Gly Leu Gly Glu Gly Val Pro Pro Gly
20 25 30

Asn Tyr Gly Asn Tyr Gly Tyr Ala Asn Ser Gly Tyr Ser Ala Cys Glu
35 40 45

Glu Glu Asn Glu Arg Leu Thr Glu Ser Leu Arg Ser Lys Val Thr Ala

BNSDOCID: <WO_ 0122920A2_I_>

50 55 60

Ile Lys Ser Leu Ser Ile Glu Ile Gly His Glu Val Lys Thr Gln Asn
65 70 75 80

Lys Leu Leu Ala Glu Met Asp Ser Gln Phe Asp Ser Thr Thr Gly Phe
85 90 95

Leu Gly Lys Thr Met Gly Lys Leu Lys Ile Leu Ser Arg Gly Ser Gln
100 105 110

Thr Lys Leu Leu Cys Tyr Met Met Leu Phe Ser Leu Phe Val Phe Phe
115 120 125

Ile Ile Tyr Trp Ile Ile Lys Leu Arg
130 135

<210> 4993
<211> 112
<212> PRT
<213> Homo sapiens

<400> 4993
Ser Thr Leu Leu Leu Leu Pro Leu Pro Val Arg Pro Ala Phe Gly Glu
1 5 10 15

Lys Val Arg Leu Glu Leu Arg Arg Ala Ala Asn Pro Thr Val Pro Phe
20 25 30

Arg Cys Leu Val Leu Pro Leu Gln Pro Arg Thr Leu Thr Phe Lys Arg
35 40 45

Val Thr Ala Gly Arg Gln Gly Arg Gly Ser Arg Thr Leu Ser Glu Cys
50 55 60

Leu Ala Val Pro Trp Pro Val Arg Ala Ser Trp Leu Thr Phe Gln Leu
65 70 75 80

Ala Glu Leu Trp Asp Thr Ser Phe Leu Val Ser Cys Ala Arg Ser Tyr
85 90 95

Gly Lys Arg Glu Leu Gln Leu Arg Phe Ser Ser Ser Gln Thr Val Lys
100 105 110

<210> 4994
<211> 65
<212> PRT
<213> Homo sapiens

<400> 4994
His Val Ala Leu Trp Leu Lys Phe Phe Asn Leu Glu Met Thr Gln Thr
1 5 10 15

His Arg Arg Cys Ser Asn Thr Thr Tyr Ser Ala Asn Leu Gly Lys Gly
20 25 30

Thr Ser Gln Leu Ala Arg Phe Pro His Tyr Leu Pro Cys Ile His Ala
35 40 45

Ala His Val Phe Phe Ile Arg Met Leu Val Lys Phe Trp Leu Leu Tyr
50 55 60

Ile
65

<210> 4995
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4995
Leu Lys Xaa Cys Val Cys Met Gln Thr Tyr Val Asn Thr His Ile His
1 5 10 15

Ile Gly Tyr Asp Asp Asp Asn Tyr Leu Leu Gln Ile Arg Cys Leu Leu
20 25 30

Tyr Val Tyr
35

<210> 4996
<211> 39
<212> PRT
<213> Homo sapiens

<400> 4996

BNSDOCID: <WO_ _0122920A2 I >

Lys Ile Ile Ser Thr Phe Ile Leu Phe Thr Asn Lys Leu Pro Phe Lys
1 5 10 15

Lys Ile Lys Pro His Tyr Leu Asn Ile Lys Leu Pro Asn Asn Ile Val
20 25 30

Leu Lys Cys Thr Ile Leu Thr
35

<210> 4997
<211> 157
<212> PRT
<213> Homo sapiens

<400> 4997
Ala Ala Ala Cys Gly Leu Glu Thr Arg Glu Asp Gly Arg Gly Arg Gly
1 5 10 15

Leu Leu Val Phe Tyr Gly Pro Ser Thr Pro Thr Thr Thr His Ser Ser
20 25 30

Trp Arg Pro Arg Ala Thr Val Gly Leu Leu Gly Ile Leu Arg Leu Arg
35 40 45

Leu Val Glu Thr Pro Gly Asp Gly Gly Ala Leu Gly His Ser Glu Thr
50 55 60

Ala Leu Gly Gly Ala Pro Tyr Trp Pro Asp Trp Ile Ser Gln Pro Ala
65 70 75 80

Thr Gln Pro Gln Ala Thr Arg Lys Lys Pro Asp Leu Gly Asn Ser Ser
85 90 95

Ser Ser Phe Phe Phe Phe Phe Leu Ile Ala Leu Gly Asn Phe Pro Asn
100 105 110

Leu Gly Pro Ser Ser Phe Ser Lys Leu Arg Ser His Gly Leu Ser Pro
115 120 125

Ala Ser Pro Val Cys Thr Arg Arg Arg Phe Ile Phe Ser Pro Leu Val
130 135 140

Ser Phe Tyr Cys Leu Leu Arg Pro Ser Ser Cys Ser His
145 150 155

<210> 4998
<211> 44

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 4998
Asn Tyr Arg Ser Lys Leu Phe Val Asp Asn Phe Arg Val Lys Phe Asp
1 5 10 15

Asn Leu Gly Tyr Leu Pro Asn Phe Lys Ile Glu Val Arg Ile Ser Val
20 25 30

Thr Gln Pro Trp Glu Xaa Trp Xaa Ser His Ile Arg
35 40

<210> 4999
<211> 44
<212> PRT
<213> Homo sapiens

<400> 4999
Thr Glu Asp Leu Phe Gly Phe Lys His Leu Leu Arg Gln Tyr Leu Leu
1 5 10 15

Gly Lys Pro Asn Ile Ala Asn Gly Gln Phe Asp Phe Asn Phe Ser Lys
20 25 30

Asp Thr Leu Leu Ser Arg Arg Leu Lys Cys Leu His
35 40

<210> 5000
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5000
Glu Xaa Val Leu Lys Pro Phe Ile Ser Phe Tyr Phe Ala Ile Cys Lys
1 5 10 15

Cys Leu Leu Ser Ser Leu His Glu Val Ala Val Thr Phe Phe Thr Phe
20 25 30

Lys Leu Pro Phe Tyr Phe
35

<210> 5001
<211> 34
<212> PRT
<213> Homo sapiens

<400> 5001
Pro Leu Leu Ser Leu His Val Ser Ile Glu Gly Ser Gly Ile Pro Gly
1 5 10 15

Trp Gln Leu Met Asp Lys Arg His Tyr Ala Lys Ile Gln Phe Trp Ile
20 25 30

Ser Tyr

<210> 5002
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5002

BNSDOCID: <WO___0122920A2_I_>

```
Xaa Leu Gly Tyr Thr Xaa Xaa Lys Gly Thr Lys Ala Gly Val Thr Ala
 1               5                  10                  15

Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Trp
            20                  25                  30

His Glu Pro Lys Gly Thr Gln Cys Gly Met Thr Lys Tyr Leu Leu Ser
        35                  40                  45

Glu Ser Thr Ala Phe Thr Tyr Leu Pro Val Phe Lys Ile Phe Val Lys
    50                  55                  60

Ser Tyr Lys Lys Leu Gln Phe Asp Gln Ile Trp Val Tyr Ala Val Cys
65                  70                  75                  80

Tyr Pro Gln Arg His Phe Glu Ser Ser Cys Asp Ala Phe Asn Asn Val
                85                  90                  95

Leu Ser Leu Leu Ile Pro Leu Ser Asn Leu Ile Trp Tyr Ser Gln Asn
            100                 105                 110

Ser Tyr Ser Leu Arg Gly Asn
        115
```

<210> 5003
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5003

```
Val Cys Ile Tyr Phe Phe Ser Lys Glu Thr Ala Tyr Ile Phe His Val
 1               5                  10                  15

Ser Met Phe Leu Arg Pro Trp Val Thr Val Gly Ile Ala Leu Met Gly
```

20 25 30

Ala Xaa Gln Ala Trp Gly Leu Val Leu Ala Leu Asp Leu Glu Gln Gly
35 40 45

Thr Ser Pro Ala Gly Leu Gln Phe Ser Pro Leu Xaa Asn Glu Arg Xaa
50 55 60

Glu Leu Ser Asp Leu Lys Ser Phe Gln
65 70

<210> 5004
<211> 100
<212> PRT
<213> Homo sapiens

<400> 5004
Ile Ala Asn Ser Ser Leu Gly Leu Ala Leu Ser Val Asp Phe Ser Met
1 5 10 15

Leu Arg Arg Lys Pro Thr Arg Leu Glu Leu Lys Leu Asp Asp Ile Glu
20 25 30

Glu Phe Glu Asn Ile Arg Lys Asp Leu Glu Thr Arg Lys Lys Gln Lys
35 40 45

Glu Asp Val Glu Val Val Gly Gly Ser Asp Gly Glu Gly Ala Ile Gly
50 55 60

Leu Ser Ser Asp Pro Lys Ser Arg Glu Gln Met Ile Asn Asp Arg Ile
65 70 75 80

Gly Tyr Lys Pro Gln Pro Lys Pro Asn Asn Arg Ser Ser Gln Phe Gly
85 90 95

Ser Leu Glu Phe
100

<210> 5005
<211> 281
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (251)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (263)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (277)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (278)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5005

```
Val Leu Leu Leu Gln Lys Asp Ser Leu Leu Thr Ala Ala Gln Leu Lys
  1               5                  10                  15

Ala Lys Gly Glu Leu Ser Phe Glu Gln Asp Gln Leu Val Ala Gly Gly
             20                  25                  30

Gln Leu Gly Glu Leu His Asn Gly Thr Gln Tyr Arg Glu Val Arg Gln
         35                  40                  45

Phe Cys Ser Gly Ser Gly His His Leu Val Arg Phe Tyr Phe Leu Thr
     50                  55                  60

Arg Val Tyr Ser Glu Tyr Leu Glu Asp Val Leu Glu Glu Leu Thr Tyr
 65                  70                  75                  80

Gly Pro Ala Pro Asp Leu Val Ile Ile Asn Ser Cys Leu Trp Asp Leu
                 85                  90                  95

Ser Arg Tyr Gly Arg Cys Ser Met Glu Ser Tyr Arg Glu Asn Leu Glu
            100                 105                 110

Arg Val Phe Val Arg Met Asp Gln Val Leu Pro Asp Ser Cys Leu Leu
        115                 120                 125

Val Trp Asn Met Ala Met Pro Leu Gly Glu Arg Ile Thr Gly Gly Phe
    130                 135                 140

Leu Leu Pro Glu Leu Gln Pro Leu Ala Gly Ser Leu Arg Arg Asp Val
145                 150                 155                 160

Val Glu Gly Asn Phe Tyr Ser Ala Thr Leu Ala Gly Asp His Cys Phe
                165                 170                 175

Asp Val Leu Asp Leu His Phe His Phe Arg His Ala Val Gln His Arg
```

180 185 190

His Arg Asp Gly Val His Trp Asp Gln His Ala His Arg His Leu Ser
195 200 205

His Leu Leu Leu Thr His Val Ala Asp Ala Trp Gly Val Glu Leu Pro
210 215 220

Lys Arg Gly Tyr Pro Pro Gly Glu Pro Tyr His Lys Trp Gly Gly Ser
225 230 235 240

Asp Ala Leu Gly Pro Ser Glu Asp Arg Ala Xaa Lys Gln Asn Gly Thr
245 250 255

Gln Pro Leu Lys Gly Ser Xaa Gly Pro Leu Lys Asp Ser Cys Gly Phe
260 265 270

Cys Met His Leu Xaa Xaa Pro Leu Arg
275 280

<210> 5006
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5006
Arg Tyr Tyr Leu Ile Ile Ile Lys Ile Arg Gly His Ser Phe Glu Pro
1 5 10 15

Ser Leu Thr Phe Gln Phe Lys Leu Gly Pro Xaa Pro Ser Lys Xaa Leu
20 25 30

Gly Phe Arg His Xaa Pro Leu Val Leu Ala Gly Leu Xaa
35 40 45

<210> 5007
<211> 95
<212> PRT
<213> Homo sapiens

<400> 5007
Asn Met Tyr Gly Thr Ser Cys Leu Ile Leu His Val Thr Ser Leu Leu
1 5 10 15

Tyr Ile Asp Glu Val Leu Val Thr Leu Ser Ser Asn Thr Leu Pro Leu
20 25 30

Leu Phe Arg Glu Cys Leu Arg Asp Phe Leu Tyr Trp Phe Tyr Tyr Ser
35 40 45

Asp Tyr Gly Leu Asp Leu Ser Ile Leu Leu Leu Pro Pro Gly Phe Leu
50 55 60

Ile Ile His Pro Ser Lys Leu Ile Phe Cys Glu Ala Phe Val Ser Gln
65 70 75 80

Ile Lys Thr Leu Leu Glu Pro Lys Val Val Ala Asp Gly Tyr Leu
85 90 95

<210> 5008
<211> 82
<212> PRT
<213> Homo sapiens

<400> 5008
Leu Pro Lys Gln Ile Leu Asp Arg His Cys Ile Tyr Trp Tyr Gly Ser
1 5 10 15

Gly Leu Tyr Gly Val Val Cys Thr His Leu Gly Leu Phe Ser Leu Asn
20 25 30

Pro Ala Pro Asn Glu Ser Gly Gly Arg Val His Ser Ile Ser Phe Asn
35 40 45

Val Val Met His His Lys Leu Asn Ile Arg Met Lys Met Lys Leu Asp
50 55 60

Phe Asp Val Ser Leu Lys Pro Phe Pro Cys Pro Ile His Ser Pro Pro
65 70 75 80

Pro Pro

<210> 5009
<211> 83
<212> PRT
<213> Homo sapiens

<400> 5009
Ser Leu Ser Ser Pro Ala Val Lys Met Leu Ile Met Ile Leu Thr Leu
1 5 10 15

Lys Ile Arg Pro His Lys Glu Gln Gly Asn Ser Arg Gly Gly Thr Gln
20 25 30

Leu Gly Glu Ser Arg Pro Gly Gln Gly Lys Glu Thr His Lys Pro Asn
35 40 45

Arg Ala Ala Leu Gly Lys Val Leu Ile Ser Trp Cys Cys Phe Leu Ser
50 55 60

His Met Pro Ile Pro Gln Ala Val Pro Leu Ser Trp Leu Cys Arg Met
65 70 75 80

Ser Ser Ser

<210> 5010
<211> 76
<212> PRT
<213> Homo sapiens

<400> 5010
Tyr Pro Ser Val Thr Ser Gly Thr Phe Arg Arg Lys Pro Asn Ser Ser
1 5 10 15

Val Trp Cys Thr Arg Ser Ser Asp Val Phe Pro Pro Pro Asn Val Leu
20 25 30

Val Lys Gln Thr Tyr Thr Ser Ser Glu Ala Thr Phe Gly Gln Ala Ser
35 40 45

Arg Leu Gly Lys Cys Cys Thr Leu Cys Ile Lys Cys Ala Ser His Pro

50 55 60

Ser Pro Leu Gly Lys Phe Leu Cys Ile Leu Gln Ala
65 70 75

<210> 5011
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5011
Pro Ile Ile Pro Met Phe Thr Gln Asn Ile Arg Glu Gly Phe Arg Ser
1 5 10 15

Leu Gly Gly Thr Arg Leu Phe Arg Trp Leu Tyr Glu Lys Phe Arg Tyr
20 25 30

Pro Phe Ala Pro Met Tyr Gly Gly Phe Pro Val Lys Leu Arg Thr Tyr
35 40 45

Leu Gly Asp Pro Ile Pro Tyr Asp Pro Gln Ile Thr Ala Glu Glu Leu
50 55 60

Ala Glu Lys Thr Xaa Asn Ala Val Gln Ala Leu Ile Asp Lys His Gln
65 70 75 80

Arg Ile Pro Gly Asn Ile Met Ser Ala Leu Leu Glu Arg Phe His
85 90 95

<210> 5012
<211> 90
<212> PRT
<213> Homo sapiens

<400> 5012
Ala Ala Arg Ala Leu Ser Leu Ser Leu Ser Pro Glu Val Asp Phe Pro
1 5 10 15

Val Pro Pro Gly Arg Gly Arg Ser Val Glu Ser Val Gln Ser Gln Pro
20 25 30

Gln Glu Pro Val Ser Val Pro Gln Thr Leu Thr Ser Thr Leu Glu His

35 40 45

Ile Val Gly Gln Leu Asp Val Leu Thr Gln Thr Val Ser Ile Leu Glu
50 55 60

Gln Arg Leu Thr Leu Thr Glu Asp Lys Leu Lys Gln Cys Leu Glu Asn
65 70 75 80

Gln Gln Leu Ile Met Gln Arg Ala Thr Pro
85 90

<210> 5013
<211> 178
<212> PRT
<213> Homo sapiens

<400> 5013
His Glu Leu Arg Arg Arg Met Leu Glu Ala Ala Asp Phe Ala Ala Arg
1 5 10 15

Lys His Arg Gln Gln Arg Arg Lys Asp Pro Glu Gly Thr Pro Tyr Ile
20 25 30

Asn His Pro Ile Gly Val Ala Arg Ile Leu Thr His Glu Ala Gly Ile
35 40 45

Thr Asp Ile Val Val Leu Gln Ala Ala Leu Leu His Asp Thr Val Glu
50 55 60

Asp Thr Asp Thr Thr Leu Asp Glu Val Glu Leu His Phe Gly Ala Gln
65 70 75 80

Val Arg Arg Leu Val Glu Glu Val Thr Asp Asp Lys Thr Leu Pro Lys
85 90 95

Leu Glu Arg Lys Arg Leu Gln Val Glu Gln Ala Pro His Ser Ser Pro
100 105 110

Gly Ala Lys Leu Val Lys Leu Ala Asp Lys Leu Tyr Asn Leu Arg Asp
115 120 125

Leu Asn Arg Cys Thr Pro Glu Gly Trp Ser Glu His Arg Val Gln Glu
130 135 140

Tyr Phe Glu Trp Ala Ala Gln Val Val Lys Gly Leu Gln Gly Thr Asn
145 150 155 160

Arg Gln Leu Glu Glu Ala Leu Lys His Leu Phe Lys Gln Arg Gly Leu
165 170 175

Thr Ile

<210> 5014
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5014
Thr Ile Phe Ala Val Met Xaa Ser Phe Asn Val Ser Phe Gln Xaa Gly
1 5 10 15

Pro Ile Lys Val Phe Leu Tyr Leu Val Asn Lys Asp His Ser Cys Gly
20 25 30

Leu Val Arg Gly Cys Ile His Arg Leu Trp Glu Ala Val Val Cys Val
35 40 45

Cys Val Ser Ile Ser Ile Phe Tyr Val Tyr Asn Ser Ala Tyr
50 55 60

<210> 5015
<211> 90
<212> PRT
<213> Homo sapiens

<400> 5015
Ser Thr Ala Leu Gly Ala Gly Gly Ala Phe Ser Val Pro Leu Leu Ser
1 5 10 15

Leu Leu Ser Ala Ser Leu Val Leu Pro Ala His Phe His Asn Val Leu
20 25 30

Leu Gly Cys Ile Gly Ile Val Cys Cys Leu Asp Pro Trp Pro Arg Leu
35 40 45

Ser Leu Pro Val Arg Glu Thr Lys Leu Thr Thr Lys Gly Phe Cys Gln
50 55 60

Ile Ala Phe Ile Tyr Arg Ile Cys Pro Phe Met Cys Leu Cys Val Tyr
65 70 75 80

Gly Leu Asn Gly Phe Leu Thr Ser Lys Lys
85 90

<210> 5016
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5016
Val Tyr Arg Val Leu Lys Pro Leu Lys Xaa Asn Ala Asn Xaa Ala Lys
1 5 10 15

Ser Leu Leu Leu Thr Thr Ile Pro Gln Ile Gly Ser Thr Glu Trp Ser
20 25 30

Glu Thr Leu Xaa Asn Leu Lys Asn Met Ala Gln Phe Ser Val Leu Leu
35 40 45

Pro Arg His
50

<210> 5017
<211> 333
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__0122920A2_I >

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5017

```
Gly Arg Arg Ala Gln Arg Ser Thr Pro Arg Ser Leu Ala Arg Val Ser
  1               5                  10                  15

Gln Arg Gly Pro Thr Arg Tyr Ala Asp Ala Pro Thr Pro Ile Arg Pro
             20                  25                  30

Ser Gln Asp Ser Thr Met Thr Leu Asn Asn Val Thr Met Arg Gln Gly
         35                  40                  45

Thr Val Gly Met Gln Pro Gln Gln Gln Arg Trp Ser Ile Pro Ala Asp
     50                  55                  60

Gly Arg His Leu Met Val Gln Lys Glu Pro His Gln Tyr Ser His Arg
 65                  70                  75                  80

Asn Arg His Ser Ala Thr Pro Glu Asp His Cys Arg Arg Ser Trp Ser
                 85                  90                  95

Ser Asp Ser Thr Asp Ser Val Ile Ser Ser Glu Ser Gly Asn Thr Tyr
            100                 105                 110

Tyr Arg Val Val Leu Ile Gly Glu Gln Gly Val Gly Lys Ser Thr Leu
        115                 120                 125

Ala Asn Ile Phe Ala Gly Val His Asp Ser Met Asp Ser Asp Cys Xaa
    130                 135                 140

Val Leu Gly Glu Asp Thr Tyr Glu Arg Thr Leu Met Val Asp Gly Glu
145                 150                 155                 160

Ser Ala Thr Ile Ile Leu Leu Asp Met Trp Glu Asn Lys Gly Glu Asn
                165                 170                 175

Glu Trp Leu His Asp His Cys Met Gln Val Gly Asp Ala Tyr Leu Ile
            180                 185                 190

Val Tyr Ser Ile Thr Asp Arg Ala Ser Phe Glu Lys Ala Ser Glu Leu
        195                 200                 205

Arg Ile Gln Leu Arg Arg Ala Arg Gln Thr Glu Asp Ile Pro Ile Ile
    210                 215                 220

Leu Val Gly Asn Lys Ser Asp Leu Val Arg Cys Arg Glu Val Ser Val
225                 230                 235                 240
```

```
Ser Glu Gly Arg Ala Cys Ala Val Val Phe Asp Cys Lys Phe Ile Glu
                245                 250                 255

Thr Ser Ala Ala Val Gln His Asn Val Lys Glu Leu Phe Glu Gly Ile
            260                 265                 270

Val Arg Gln Val Arg Leu Arg Arg Asp Ser Lys Glu Lys Asn Glu Arg
        275                 280                 285

Arg Leu Ala Tyr Gln Lys Arg Lys Glu Ser Met Pro Arg Lys Ala Arg
    290                 295                 300

Arg Phe Trp Gly Lys Ile Val Ala Lys Asn Asn Lys Asn Met Ala Phe
305                 310                 315                 320

Lys Leu Lys Ser Lys Ser Cys His Asp Leu Ser Val Leu
                325                 330
```

<210> 5018
<211> 101
<212> PRT
<213> Homo sapiens

<400> 5018

```
Glu Pro Leu Trp Glu Asn Leu Phe Leu Pro Pro Leu Gly Lys Gln Lys
  1               5                  10                  15

Asn Phe Ser Val Phe Gly Glu Tyr Phe Arg Asn Ser Asn Glu Arg His
            20                  25                  30

Cys Phe Ser Cys Trp Leu Thr Gly Leu Lys Gly Ala Phe Val Leu Leu
        35                  40                  45

Gly Gln Gly Glu Arg Gly Asp Pro Arg Lys Val Ser Leu Pro Glu Asp
    50                  55                  60

Gly Gln Pro Pro Gly Leu Gln Leu Gln Val His Ile Thr Arg Thr Ala
65                  70                  75                  80

Trp Gln Pro Gly Pro Pro Gly Ala His Ser Arg Gln Pro Leu Pro Arg
                85                  90                  95

Gly Leu Ile Leu Gln
            100
```

<210> 5019
<211> 52

<212> PRT
<213> Homo sapiens

<400> 5019
Arg Tyr Leu Ile Ser Leu Ser Cys Asn Leu Tyr Leu Gln Thr Gly Val
1 5 10 15

Ser Asn Pro Ile Asn Leu Ile Ala Asp Ile Val Arg Lys Asn Glu Met
20 25 30

Thr Ser Val Lys Thr Gln Asn Tyr Thr Tyr Lys Val Ser Arg Gln Asn
35 40 45

Met Leu Leu Leu
50

<210> 5020
<211> 51
<212> PRT
<213> Homo sapiens

<400> 5020
Pro Val Asp Ser Cys Ala Val Ser Pro Gly Val Ala Lys Glu Ala Ala
1 5 10 15

Ser Gly Ser Trp Gly Leu Val Ala Arg Ser Gln Gln Glu Cys Leu Leu
20 25 30

Tyr Phe Val Arg Asp Ala Glu Gln Ile Ser Asn Ser Val Ala Val Met
35 40 45

Leu Ala Ser
50

<210> 5021
<211> 79
<212> PRT
<213> Homo sapiens

<400> 5021
Thr Ser Ser Thr Ile Asn Cys Ser Leu Gly Thr Phe Tyr Ala Gln Asn
1 5 10 15

Cys Ala Pro Ser Ser Glu Gln Gln Val Phe Asn Gly Pro Cys Asp Glu
20 25 30

Lys Gly Pro Ile Lys Ala Ala Gly Met Gly His Ser Pro Thr Pro His

BNSDOCID: <WO_ 0122920A2 ! >

35 40 45

Gly Pro Gly His Cys His Ser Cys Cys Pro Ala Ser Pro Gly Leu Trp
50 55 60

Leu His Gly Arg Ser His Phe Cys Lys Lys Phe Thr Phe Leu Lys
65 70 75

<210> 5022
<211> 79
<212> PRT
<213> Homo sapiens

<400> 5022
Asn Leu Lys Pro Pro Leu Glu Pro Pro Phe Cys Arg Val Phe Gly Lys
1 5 10 15

Arg Lys Lys Gly Leu Cys Leu Arg Leu Trp Gly Arg Gly Asp Tyr Val
20 25 30

Thr Ser Val Gln Thr Ala Gly Asn Leu Lys Thr Val Leu Ser Leu Phe
35 40 45

Leu Tyr Ile Val Phe Ile Tyr Lys Lys Lys Arg Leu Arg Met His Ala
50 55 60

Lys Leu Leu Phe Ser Val Ser His Arg Pro Arg Trp Asn Val Lys
65 70 75

<210> 5023
<211> 141
<212> PRT
<213> Homo sapiens

<400> 5023
Leu Leu Gln Val Asp Phe His Asn Met Gln Ser Gly Gly Gly Val Lys
1 5 10 15

Thr Asp Asp Thr Ser Thr Leu Asn Ser Leu Cys Gly Tyr Ala Trp Val
20 25 30

Tyr Val Trp Glu Glu Lys Gln Arg Cys Arg Leu Ser Ser Phe Phe Ser
35 40 45

Ser Ser Ala Ser Ile Pro Gly Leu Leu Pro Ser His Thr Leu Asp Leu
50 55 60

```
Val Gln Asn Val Gly Val Val Leu Asp Glu Ala Leu Gly Trp Gly Arg
 65                  70                  75                  80

Glu Arg Glu Leu Cys Val Lys Cys Leu Leu Glu Met His Cys Gly Val
                 85                  90                  95

Phe Ser Cys Met Gly Asn His Leu Cys Gln Ala Phe Pro His Phe Pro
            100                 105                 110

Tyr Leu Ser His Leu Val Ser Cys Leu Cys Phe Gln Leu Cys Val Ile
        115                 120                 125

Leu Phe Ala Ser Cys Thr Lys Leu Ile Phe Ser Lys Val
    130                 135                 140
```

<210> 5024
<211> 30
<212> PRT
<213> Homo sapiens

<400> 5024

```
Gly Thr Arg Val Ser Asp Leu Ala Thr Ile Ser Leu Gly Ser Cys Gln
  1               5                  10                  15

Asn Leu Ile Phe Ser Leu Lys Thr Pro Ile Cys Ser His Ser
            20                  25                  30
```

<210> 5025
<211> 241
<212> PRT
<213> Homo sapiens

<400> 5025

```
Ile Phe Gly Met Ser Lys Leu Arg Met Val Leu Leu Glu Asp Ser Gly
  1               5                  10                  15

Ser Ala Asp Phe Arg Arg His Phe Val Asn Leu Ser Pro Phe Thr Ile
            20                  25                  30

Thr Val Val Leu Leu Leu Ser Ala Cys Phe Val Thr Ser Ser Leu Gly
        35                  40                  45

Gly Thr Asp Lys Glu Leu Arg Leu Val Asp Gly Glu Asn Lys Cys Ser
    50                  55                  60

Gly Arg Val Glu Val Lys Val Gln Glu Glu Trp Gly Thr Val Cys Asn
 65                  70                  75                  80
```

```
Asn Gly Trp Ser Met Glu Ala Val Ser Val Ile Cys Asn Gln Leu Gly
                85                  90                  95

Cys Pro Thr Ala Ile Lys Ala Pro Gly Trp Ala Asn Ser Ser Ala Gly
            100                 105                 110

Ser Gly Arg Ile Trp Met Asp His Val Ser Cys Arg Gly Asn Glu Ser
        115                 120                 125

Ala Leu Trp Asp Cys Lys His Asp Gly Trp Gly Lys His Ser Asn Cys
    130                 135                 140

Thr His Cys Glu Pro Arg Asn Ala Thr Pro Trp Lys Pro His Thr Leu
145                 150                 155                 160

Leu Ser Pro Ser Val Leu Ile Pro Val Leu Leu Thr Val Ser Pro Ser
                165                 170                 175

Trp Leu Phe Leu Glu Ser Leu Ser Phe Pro His Phe His Phe Leu Pro
            180                 185                 190

Leu Tyr Cys His Leu Trp Pro Gly Phe Ala Leu Leu Val Gln His Pro
        195                 200                 205

Gln Leu Gln His Leu Cys Leu Ser Ala Pro Ser Thr Arg Gln Lys Leu
    210                 215                 220

Thr Leu Glu Asn Ile Arg His Ser Glu Ser Arg Val Leu Gly Ser Asp
225                 230                 235                 240

Gly
```

<210> 5026
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5026
Ile Arg Gln Cys Val Lys His Trp His Thr Asn Ala Ala Lys Gly Ala
1 5 10 15

Glu Gly Arg Gln Trp Gly Gly Ala Gly Thr Gln Gln Gly Ala Leu Pro
20 25 30

Arg Asp Thr Leu Val Ile Phe Ser Thr Glu Xaa His Pro Xaa Ala Phe
35 40 45

Leu Gln His Leu
50

<210> 5027
<211> 196
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5027
Gly Gly Ser Glu Asp Gln Leu Glu Asp Pro Ala Leu Ser Gly Lys Ala
1 5 10 15

Trp Glu Cys Glu Met Gly Arg Arg Gly Trp Asp Leu Gly Gly Trp Gly
20 25 30

Gln Ala Leu Ser Pro Ser Leu Leu Ala Phe Gln Ser Leu Gly Arg Asn
35 40 45

Leu Ser Xaa Leu Pro Pro Leu Ser Leu Ala His Arg His Pro Ala Cys
50 55 60

Ile Ser Gln Glu Glu Val Glu Gly Thr Ser Leu Phe Pro Arg Asn Pro
65 70 75 80

Leu Tyr Pro His Pro Val Leu Cys Ser Ser Pro Arg Leu Leu Gly Leu
85 90 95

Arg Leu Leu Thr Ser Arg Arg Leu Arg Leu Val Cys Val Cys Leu Phe
100 105 110

Ala His Leu Trp Leu Ile Pro Arg Glu Pro Gly His Leu Leu Pro Asp
115 120 125

Ala His Pro Cys Gln Ser Phe Leu His Ser Pro Ser Gly Arg Trp Asp

BNSDOCID: <WO_ 0122920A2 I >

130 135 140

Val Arg Gln Pro Thr Leu Glu Asn Pro Glu Asn Arg Glu Gln Gly Phe
145 150 155 160

Ala Leu His Asn Ser Thr Pro Gln Ile Leu Ser Pro Gly His Arg Arg
165 170 175

Pro Thr Gly Gln Asp Pro Lys Ile Trp Gly Lys Glu Val Leu Arg Thr
180 185 190

Leu Arg Tyr Pro
195

<210> 5028
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5028
Met Phe Leu Asp Gly Gly Leu Pro Ser Ser Lys Leu Leu Pro Ile Cys
1 5 10 15

Thr Ser Val Leu Gly Gln Gly Lys Xaa Lys Ala Arg Ser Cys Lys Ser
20 25 30

His Ser Ser Gly Ser Gln Phe His Pro Gln Phe Lys Glu Leu Ser Arg
35 40 45

Gln Arg Gln Arg Leu Tyr Ser Thr His Val Gln Leu Lys Ala Gly Glu
50 55 60

Ala Lys Pro Gly Gln Arg Lys Gly Lys Gly Cys Val
65 70 75

<210> 5029
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5032

```
Pro Thr Arg Pro Ala Ser Xaa Gly Cys Gly Leu Pro Leu Ser Leu Leu
  1               5                  10                  15

Arg Ala Val Thr Pro Val Pro Ala Ala Ile Arg Pro Gly Ala Pro Asp
             20                  25                  30

Glu Ser Met Arg Gly Arg Ala Arg Gly Val Val Phe Pro Arg Thr Pro
         35                  40                  45

Gly Gly Leu Pro Arg Pro Val Leu Cys Thr Ser Ser Pro Thr Lys Gly
     50                  55                  60

Glu Thr Glu Ala Pro Arg Gly Val Gly Arg Ala Gly Trp Thr Ser Gly
 65                  70                  75                  80

Pro Ala Ala Gly Ala Val Val Arg Pro Leu Cys Arg Gly Gly Pro Leu
                 85                  90                  95

Gly Phe Arg Val Ser Ser Gly Lys Arg Leu Ala Gly Leu Val Gly Cys
            100                 105                 110

Ala Ala Ile Leu Glu Thr Asp Asp Ser Ser Pro Xaa Asp Gly Phe Ala
        115                 120                 125

Gly Ser Ala Pro Ala Ser Ala Pro Ile Phe Pro Ala Ala Pro
    130                 135                 140
```

<210> 5033
<211> 255
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (242)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

ENSDOCID: <WO 0122920A2 I >

<222> (248)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (249)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5033

```
Arg Val Met Ser Ala Val Leu Leu Leu Ala Leu Leu Gly Phe Ile Leu
  1               5                  10                  15

Pro Leu Pro Gly Val Gln Ala Leu Leu Cys Gln Phe Gly Thr Val Gln
             20                  25                  30

His Val Trp Lys Val Ser Asp Leu Pro Arg Gln Trp Thr Pro Lys Asn
         35                  40                  45

Thr Ser Cys Asp Ser Gly Leu Gly Cys Gln Asp Thr Leu Met Leu Ile
     50                  55                  60

Glu Ser Gly Pro Gln Val Ser Leu Val Leu Ser Lys Gly Cys Thr Glu
 65                  70                  75                  80

Ala Lys Asp Gln Glu Pro Arg Val Thr Glu His Arg Met Gly Pro Gly
                 85                  90                  95

Leu Ser Leu Ile Ser Tyr Thr Phe Val Cys Arg Gln Glu Asp Phe Cys
            100                 105                 110

Asn Asn Leu Val Asn Ser Leu Pro Leu Trp Ala Pro Gln Pro Pro Ala
        115                 120                 125

Asp Pro Gly Ser Leu Arg Cys Pro Val Cys Leu Ser Met Glu Gly Cys
    130                 135                 140

Leu Glu Gly Thr Thr Glu Glu Ile Cys Pro Lys Gly Thr Thr His Cys
145                 150                 155                 160

Tyr Asp Gly Leu Leu Arg Leu Arg Gly Gly Gly Ile Phe Ser Asn Leu
                165                 170                 175

Arg Val Gln Gly Cys Met Pro Gln Pro Gly Cys Asn Leu Leu Asn Gly
            180                 185                 190

Thr Gln Glu Ile Gly Pro Val Gly Met Thr Glu Asn Cys Asn Arg Lys
        195                 200                 205

Asp Phe Leu Thr Cys His Arg Gly Thr Thr Ile Met Thr His Gly Asn
    210                 215                 220
```

<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5029

Pro	Glu	Ile	Ala	Pro	Asn	Gly	Gln	Ser	Leu	Val	Lys	Gln	Leu	His	Glu
1				5				10						15	

Arg	Gln	Leu	Asp	Leu	Pro	Tyr	Leu	Pro	Leu	Lys	Arg	Pro	Lys	Trp	Thr
			20					25					30		

Asn	Xaa	Ser	Ser	Gln	Leu	Leu	Gly	Tyr	Phe	Thr	Leu	Ala	Leu	Tyr	Thr
		35					40					45			

Ser	Ala	Pro	Ser	Lys	Leu	Lys	Gly	Asp	Leu	Asn	Tyr	Leu	Arg	Leu	Glu
	50					55					60				

Trp	Gly	Pro	Asp	Phe	Gln	Gln	His	Glu	Ala	Gly	Leu	Ile	Gly	Ala	Asp
65					70					75					80

Glu	Val	Pro	Ile	Leu	Thr	Xaa	Ser	Ser	Ala	Glu	Leu	Ala	Gln	Gln	Gln
				85					90					95	

Ile	Ala	Met	Leu	Asn	Gly	Cys	Thr	Trp	Leu	Pro	Val	Ser	Trp	Ala	Arg
			100					105					110		

Lys	Lys	Gly	Gly	Leu	His	Thr	Val	Val	Asp	Ser	Thr	Thr	Leu	Ser	Arg
		115					120					125			

Pro	Leu	
	130	

<210> 5030
<211> 132
<212> PRT
<213> Homo sapiens

<400> 5030

Leu	Val	His	Pro	Pro	Arg	Asn	Phe	Leu	Asp	Ala	Val	Arg	Ala	Arg	Trp
1				5				10						15	

Cys	Tyr	Leu	Glu	Leu	Lys	Lys	Leu	His	Ala	Ser	Val	Lys	Leu	Leu	Thr
			20					25					30		

Met	Ala	Lys	Asn	Lys	Leu	Arg	Gly	Pro	Lys	Ser	Arg	Asn	Val	Phe	His

35 40 45

Ile Ala Ser Gln Lys Asn Phe Lys Ala Lys Asn Lys Ala Lys Pro Val
50 55 60

Thr Thr Asn Leu Lys Lys Ile Asn Ile Met Asn Glu Glu Lys Val Asn
65 70 75 80

Arg Val Asn Lys Ala Phe Val Asn Val Gln Lys Glu Leu Ala His Phe
85 90 95

Ala Lys Ser Ile Ser Leu Glu Pro Leu Gln Lys Glu Leu Ile Pro Gln
100 105 110

Gln Arg His Glu Ser Lys Pro Val Asn Val Asp Glu Ala Thr Arg Leu
115 120 125

Met Ala Leu Leu
130

<210> 5031
<211> 68
<212> PRT
<213> Homo sapiens

<400> 5031
Arg Glu Cys Val Cys Thr Phe Ser Leu Tyr Lys Gly Gln Gly Val Gly
1 5 10 15

Gln Ile His His Arg Leu Ile Tyr Ile Phe Cys Cys Asp Phe Phe Gln
20 25 30

Leu Tyr Asn Lys Cys Gln Leu Ile Val His Gly Thr Ile Tyr Phe Ser
35 40 45

Thr Gln Phe Ile Val Leu Ser Arg Glu Arg Phe Ile Tyr Phe His Tyr
50 55 60

Leu Ala Leu Ser
65

<210> 5032
<211> 142
<212> PRT
<213> Homo sapiens

<220>

Leu Ala Gln Glu Pro Thr Asp Trp Thr Thr Ser Asn Tyr Arg Asp Val
225 230 235 240

Arg Xaa Gly Ala Gly Val Ser Xaa Xaa Ala Ala Ala Pro Arg Cys
245 250 255

<210> 5034
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5034
His Glu Gly Arg Arg Lys Lys Trp Met Leu Glu Ser Cys Xaa Met Ser
1 5 10 15

Leu Trp Ile Ala Gln Lys Tyr Gln Leu Trp Leu Xaa Pro His Leu Ala
20 25 30

Phe Val Ser Met Lys Lys Pro Gly Thr Ile Ser Thr Thr Ile Ser Asp
35 40 45

His His Gln Pro Gln Ile Leu Gly Asn Leu Leu Glu Phe Phe Leu Asn
50 55 60

Val Leu Asn Ser Cys Trp Val Pro Gly Arg Phe Gln Arg Lys
65 70 75

<210> 5035
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5035
Phe Gly Ala Ser Ser Leu Ser Ser Cys Arg Pro Ile Thr Ile Val Pro
1 5 10 15

Xaa Gly Lys Lys Trp Ser Pro Ala Pro Ser Pro Val Ala Leu Xaa Xaa
20 25 30

Thr Gly Asn Pro Phe Gly
35

<210> 5036
<211> 43
<212> PRT
<213> Homo sapiens

<400> 5036
Ser Arg Pro Phe Glu Glu Ile Tyr Glu Trp Asp Ile Lys Gln Phe Ser
1 5 10 15

Val Leu Gln Val Phe Phe Phe Phe Ser Lys Leu Phe Ala Val Ser Asn
20 25 30

Cys Asn Gln Tyr Leu Leu Leu Ser Ile Cys Leu
35 40

<210> 5037
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5037
Ala Gly Phe Ser Val Ile Ala Thr Phe Ala Tyr Phe Phe Pro Tyr Phe

```
 1               5                  10                  15

Pro Cys Leu Leu Met Leu Asn Ser Met Asn Leu Leu Ser Asp Ala Val
            20                  25                  30

Leu Asp Cys Pro Cys Cys Ile Ser Ile Ile Ser Leu Phe Ser Phe Ser
        35                  40                  45

Leu Tyr Tyr Tyr Asn Cys Ser Phe Tyr Met Lys Ala Arg Lys Leu Xaa
    50                  55                  60

Leu Glu Glu His Leu Ser Ala Thr Cys Gln Phe Cys Val Ser Val Leu
65                  70                  75                  80

Tyr Val Cys Val Asn Phe Pro Leu Lys
                85
```

<210> 5038
<211> 176
<212> PRT
<213> Homo sapiens

<400> 5038

```
Gly Pro Arg Gln Gly Asp His Leu Arg Ser Gly Val Ser Thr Lys Asn
 1               5                  10                  15

Thr Lys Ile Arg Gln Val Trp Trp Trp Ala Pro Leu Arg Arg Leu Arg
            20                  25                  30

Gln Glu Asn His Leu Asn Pro Gly Gly Arg Gly Cys Ser Glu Pro Asp
        35                  40                  45

His Ala Ala Ala Leu Gln Pro Gly Arg Ser Pro Cys Val Leu Leu Gly
    50                  55                  60

Ala Gly Ala Val Thr Tyr Pro Leu Ser Phe Ser Leu Ala Ile Ser Val
65                  70                  75                  80

Val Ser Tyr Glu Ala Glu Ile Gly Lys Gly Tyr Met Gln Val Ser Gln
                85                  90                  95

Trp Thr Trp Pro Met Leu Gln Ala Pro Ser Ser Gln Val Gln Gln Cys
            100                 105                 110

Tyr His Leu Leu Leu Leu Gly Gly Gln Thr Arg His Pro His His Glu
        115                 120                 125

Gly Ala Ala Gly Thr Met Asn Tyr Val Asn Asn Pro Ser Leu Tyr Tyr
    130                 135                 140
```

BNSDOCID: <WO__ 0122920A2_I_>

```
Arg Lys Gly Cys Ser His Met Arg Ile Gln Ser Thr Gln Ala Pro Trp
145                 150                 155                 160

Pro Cys Ser Pro Leu Gln Pro Gln Gly Ser Gly Ser Pro Ile Trp Arg
                165                 170                 175
```

<210> 5039
<211> 274
<212> PRT
<213> Homo sapiens

<400> 5039

```
Arg Gly Cys Gly Ser Cys Gly Tyr Lys Pro Ser Ala Gly Pro Ala Trp
  1               5                  10                  15

Arg Pro Arg Pro Pro Pro Ala Val Ser Pro Leu Arg His Pro Glu Pro
             20                  25                  30

Ala Lys Val Leu Ser Phe Ser Ser Cys Pro Leu Pro Ala Leu Gly Arg
         35                  40                  45

Thr Gly Pro Ser Arg Ala Ala Arg Ala Gln Ser Leu Thr Met Ala Ser
     50                  55                  60

Leu Phe Lys Lys Lys Thr Val Asp Asp Val Ile Lys Glu Gln Asn Arg
 65                  70                  75                  80

Glu Leu Arg Gly Thr Gln Arg Ala Ile Ile Arg Asp Arg Ala Ala Leu
                 85                  90                  95

Glu Lys Gln Glu Lys Gln Leu Glu Leu Glu Ile Lys Lys Met Ala Lys
            100                 105                 110

Ile Gly Asn Lys Glu Ala Cys Lys Val Leu Ala Lys Gln Leu Val His
        115                 120                 125

Leu Arg Lys Gln Lys Thr Arg Thr Phe Ala Val Ser Ser Lys Val Thr
    130                 135                 140

Ser Met Ser Thr Gln Thr Lys Val Met Asn Ser Gln Met Lys Met Ala
145                 150                 155                 160

Gly Ala Met Ser Thr Thr Ala Lys Thr Met Gln Ala Val Asn Lys Lys
                165                 170                 175
```

Met Asp Pro Gln Lys Thr Leu Gln Thr Met Gln Asn Phe Gln Lys Glu
180 185 190

Asn Met Lys Met Glu Met Thr Glu Glu Met Ile Asn Asp Thr Leu Asp
195 200 205

Asp Ile Phe Asp Gly Ser Asp Asp Glu Glu Glu Ser Gln Asp Ile Val
210 215 220

Asn Gln Val Leu Asp Glu Ile Gly Ile Glu Ile Ser Gly Lys Met Ala
225 230 235 240

Lys Ala Pro Ser Ala Ala Arg Ser Leu Pro Ser Ala Ser Thr Ser Lys
245 250 255

Ala Thr Ile Ser Asp Glu Glu Ile Glu Arg Gln Leu Lys Ala Leu Gly
260 265 270

Val Asp

<210> 5040
<211> 23
<212> PRT
<213> Homo sapiens

<400> 5040
Thr Leu Lys Ile Glu Val Pro His Asp Pro Ala Ile Pro Leu Leu Asp
1 5 10 15

Ile Tyr Pro Arg Asn Lys Lys
20

<210> 5041
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5041
Ala Arg Phe Ile Lys Leu Ile Phe Phe Ile Leu Val Val Lys Ser Ser
1 5 10 15

```
Leu Ile Ala Phe Cys Gln Leu Asp Phe Xaa Val Cys Val Ile Phe Lys
            20                  25                  30

Gly Arg Met Thr Gly Gln Ile Ser Asn Lys Lys Cys Ile Glu Leu Glu
        35                  40                  45

Asn Ile Val Val Pro Ser Tyr Pro Trp Asp Ile Arg Ser Lys Thr Pro
    50                  55                  60

Ser Glu Arg Leu Lys Pro Trp Ile Val
65                  70
```

<210> 5042
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5042

```
Ala Asp Val Glu Ser Pro Glu Leu Ile Ser Asn Phe Leu Pro Phe Pro
  1               5                  10                  15

Phe Pro Ser Pro Ser Leu Pro Phe Pro Phe Ser Pro Leu Pro Ser Pro
            20                  25                  30

Xaa Phe Pro Ser Pro
        35
```

<210> 5043
<211> 87
<212> PRT
<213> Homo sapiens

<400> 5043

```
Glu Gly Arg Leu Arg Gln Gly Arg Val Arg Glu His Cys Arg Gly Glu
  1               5                  10                  15

Glu Gly Ile His Phe Leu Val Ile Ser Phe His Ser Lys Arg Val Ser
            20                  25                  30

Gln Asn Arg Trp Pro Gly Thr Gly Glu Leu Gly Arg Ala Arg Arg Glu
        35                  40                  45
```

BNSDOCID: <WO__ 0122920A2 I_>

```
Ile Ser Ala Cys Val Arg Lys Asp Gly Arg Ala Gly Leu Glu Pro Leu
     50                  55                  60

Leu Asp Tyr Leu Gln Ser Phe Cys Ser Thr Leu Lys Val Asn Gln Cys
 65                  70                  75                  80

Leu Gln Thr Phe Pro Asp Thr
                 85
```

<210> 5044
<211> 124
<212> PRT
<213> Homo sapiens

<400> 5044

```
Ile Asn Thr Ile Ile Phe Ile Trp Lys Phe Tyr Arg Arg Ala Ile Ser
  1               5                  10                  15

Val Tyr Val Ile Thr Pro Asp Phe Leu Lys Leu Leu Leu Val Asp Asn
             20                  25                  30

Arg Gln Val Leu Ser Ser Val Pro Leu Arg Val Val Pro Gly Leu Pro
         35                  40                  45

Ala Val Glu Leu Thr Gly Gly Ile Leu Gln Phe Cys Asp Pro Arg Met
     50                  55                  60

Arg Pro Arg Arg Ser Val Arg Ser Ala Gly Gly Gly Ala Trp Glu Ala
 65                  70                  75                  80

Val Phe Val Met Asn Ser Gly Val Phe Cys Pro Leu Lys Cys Ile Phe
                 85                  90                  95

Val His Pro Ile Arg Leu Lys Glu Arg Lys Ser Ile Ser Asn Glu Cys
            100                 105                 110

Lys Leu Phe Leu Arg Lys Lys Cys Ile Arg Leu Leu
        115                 120
```

<210> 5045
<211> 139
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (121)

BNSDOCID: <WO__ 0122920A2_I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5045
Asp Gln Gly Gly Glu Trp Lys His Gly Arg Ile Ile Leu Pro Ser Tyr
1 5 10 15

Asp Met Glu Tyr Gln Ile Val Phe Glu Gly Val Ile Gly Lys Gly Arg
20 25 30

Ser Gly Glu Ile Ala Ile Asp Asp Ile Arg Ile Ser Thr Asp Val Pro
35 40 45

Leu Glu Asn Cys Met Glu Pro Ile Ser Ala Phe Ala Gly Gly Thr Leu
50 55 60

Leu Pro Gly Thr Glu Pro Thr Val Asp Thr Val Pro Met Gln Pro Ile
65 70 75 80

Pro Ala Tyr Trp Tyr Tyr Val Met Ala Ala Gly Gly Ala Val Leu Val
85 90 95

Leu Val Ser Val Ala Leu Ala Leu Val Leu His Tyr His Arg Phe Arg
100 105 110

Tyr Ala Ala Lys Lys Thr Asp His Xaa Ile Thr Tyr Lys Thr Phe His
115 120 125

Tyr Thr Asn Gly Ala Pro Leu Ala Val Glu Xaa
130 135

<210> 5046
<211> 201
<212> PRT
<213> Homo sapiens

<400> 5046
Ala Leu Ile Met Ser Phe Ile Phe Glu Trp Ile Tyr Asn Gly Phe Ser
1 5 10 15

Ser Val Leu Gln Phe Leu Gly Leu Tyr Lys Lys Ser Gly Lys Leu Val
20 25 30

Phe Leu Gly Leu Asp Asn Ala Gly Lys Thr Thr Leu Leu His Met Leu
35 40 45

```
Lys Asp Asp Arg Leu Gly Gln His Val Pro Thr Leu His Pro Thr Ser
     50                  55                  60

Glu Glu Leu Thr Ile Ala Gly Met Thr Phe Thr Thr Phe Asp Leu Gly
 65                  70                  75                  80

Gly His Glu Gln Ala Arg Arg Val Trp Lys Asn Tyr Leu Pro Ala Ile
                 85                  90                  95

Asn Gly Ile Val Phe Leu Val Asp Cys Ala Asp His Ser Arg Leu Val
            100                 105                 110

Glu Ser Lys Val Glu Leu Asn Ala Leu Met Thr Asp Glu Thr Ile Ser
        115                 120                 125

Asn Val Pro Ile Leu Ile Leu Gly Asn Lys Ile Asp Arg Thr Asp Ala
    130                 135                 140

Ile Ser Glu Glu Lys Leu Arg Glu Ile Phe Gly Leu Tyr Gly Gln Thr
145                 150                 155                 160

Thr Gly Lys Gly Asn Val Thr Leu Lys Glu Leu Asn Ala Arg Pro Met
                165                 170                 175

Glu Val Phe Met Cys Ser Val Leu Lys Arg Gln Gly Tyr Gly Glu Gly
            180                 185                 190

Phe Arg Trp Leu Ser Gln Tyr Ile Asp
        195                 200
```

<210> 5047
<211> 304
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (206)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5047

```
Lys Glu Gly Ile Leu Phe Val Thr Tyr Pro Asp Gly Arg Pro Thr Gly
  1               5                  10                  15

Asp Ala Phe Val Leu Phe Ala Cys Glu Glu Tyr Ala Gln Asn Ala Leu
             20                  25                  30

Arg Lys His Lys Asp Leu Leu Gly Lys Arg Tyr Ile Glu Leu Phe Arg
```

35 40 45

Ser Thr Ala Ala Glu Val Gln Gln Val Leu Asn Arg Phe Ser Ser Ala
50 55 60

Pro Leu Ile Pro Leu Pro Thr Pro Pro Ile Ile Pro Val Leu Pro Gln
65 70 75 80

Gln Phe Val Pro Pro Thr Asn Val Arg Asp Cys Ile Arg Leu Arg Gly
85 90 95

Leu Pro Tyr Ala Ala Thr Ile Glu Asp Ile Leu Asp Phe Leu Gly Glu
100 105 110

Phe Ala Thr Asp Ile Arg Thr His Gly Val His Met Val Leu Asn His
115 120 125

Gln Gly Arg Pro Ser Gly Asp Ala Phe Ile Gln Met Lys Ser Ala Asp
130 135 140

Arg Ala Phe Met Ala Ala Gln Lys Cys His Lys Lys Asn Met Lys Asp
145 150 155 160

Arg Tyr Val Glu Val Phe Gln Cys Ser Ala Glu Glu Met Asn Phe Val
165 170 175

Leu Met Gly Gly Thr Leu Asn Arg Asn Gly Leu Ser Pro Pro Pro Cys
180 185 190

Leu Ser Pro Pro Ser Tyr Thr Phe Pro Ala Pro Ala Ala Xaa Ile Pro
195 200 205

Thr Glu Ala Ala Ile Tyr Gln Pro Ser Val Ile Leu Asn Pro Arg Ala
210 215 220

Leu Gln Pro Ser Thr Ala Tyr Tyr Pro Ala Gly Thr Gln Leu Phe Met
225 230 235 240

Asn Tyr Thr Ala Tyr Tyr Pro Ser Pro Pro Gly Ser Pro Asn Ser Leu
245 250 255

Gly Tyr Phe Pro Thr Ala Ala Asn Leu Ser Gly Val Pro Pro Gln Pro
260 265 270

Gly Thr Val Val Arg Met Gln Gly Leu Ala Tyr Asn Thr Gly Val Lys
275 280 285

Glu Ile Leu Asn Phe Phe Gln Gly Tyr Gln Cys Leu Lys Asp Val Trp
290 295 300

BNSDOCID: <WO___0122920A2_I_>

<210> 5048
<211> 254
<212> PRT
<213> Homo sapiens

<400> 5048

```
Trp Cys Ile Phe Asp Tyr Met Ala Val Tyr Arg Met Cys Cys Pro Tyr
  1               5                  10                  15

Thr Arg Arg Ala Ser Lys Ser Ser Arg Pro Met Tyr Gly Ala Val Thr
             20                  25                  30

Ser Phe Leu His Ser Leu Ile Ile Gln Asn Glu Pro Arg Phe Ala Met
         35                  40                  45

Phe Gly Pro Gly Leu Glu Glu Leu Asn Thr Ser Leu Val Leu Ser Leu
     50                  55                  60

Met Ser Ser Glu Glu Leu Cys Pro Thr Ala Gly Leu Pro Gln Arg Gln
 65                  70                  75                  80

Ile Asp Gly Ile Gly Ser Gly Val Asn Phe Gln Leu Asn Asn Gln His
                 85                  90                  95

Lys Phe Asn Ile Leu Ile Leu Tyr Ser Thr Thr Arg Lys Glu Arg Asp
            100                 105                 110

Arg Ala Arg Glu Glu His Thr Ser Ala Val Asn Lys Met Phe Ser Arg
        115                 120                 125

His Asn Glu Gly Asp Asp Gln Gln Gly Ser Arg Tyr Ser Val Ile Pro
    130                 135                 140

Gln Ile Gln Lys Val Cys Glu Val Val Asp Gly Phe Ile Tyr Val Ala
145                 150                 155                 160

Asn Ala Glu Ala His Lys Arg His Glu Trp Gln Asp Glu Phe Ser His
                165                 170                 175

Ile Met Ala Met Thr Asp Pro Ala Phe Gly Ser Ser Gly Arg Pro Leu
            180                 185                 190

Leu Val Leu Ser Cys Ile Ser Gln Gly Asp Val Lys Arg Met Pro Cys
        195                 200                 205

Phe Tyr Leu Ala His Glu Leu His Leu Asn Leu Leu Asn His Pro Trp
    210                 215                 220
```

BNSDOCID: <WO___0122920A2_I_>

Leu Val Gln Asp Thr Glu Ala Glu Thr Leu Thr Gly Phe Leu Asn Gly
225 230 235 240

Ile Glu Trp Ile Leu Glu Glu Val Glu Ser Lys Arg Ala Arg
245 250

<210> 5049
<211> 45
<212> PRT
<213> Homo sapiens

<400> 5049
Phe Leu Ile Val His Lys Pro Leu Thr Lys Glu Ser Glu Ile Ser Pro
1 5 10 15

Ser Val Lys Arg Lys Gln Ala Met Lys Cys Tyr Ile Cys Arg Leu Lys
20 25 30

Ser Lys Leu Val Cys Phe Leu Lys Asn Leu Asn Gln Asp
35 40 45

<210> 5050
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5050
Ser Cys Val Ser Ala Val Asp Thr Asn Ile Lys Cys Leu Val His Leu
1 5 10 15

Lys Ser Leu Ser Leu Pro Tyr Met Gly Glu Thr Gln Ser Pro Ser Leu
20 25 30

Cys Trp Lys Tyr His Gln Thr Asp Cys Lys Cys Ala Ala Val Ala Asp
35 40 45

Ile Leu Val Trp Trp Cys Ala Ala Ile Ser Ala Leu His Leu Pro Xaa
50 55 60

Trp Leu Pro Tyr Ser Cys Val Pro Ile Phe Ala Ser Met Leu Gly Val
65 70 75 80

Pro His Leu Leu His Phe Pro Ala Cys Asn Gln Glu Leu Thr
85 90

<210> 5051
<211> 200
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (198)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (200)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5051
Val Gly Pro Gly Ala Ala Trp Arg Arg Pro His Ser Gly Ile Met Ala
1 5 10 15

Gln Val Ala Met Ser Thr Leu Pro Val Glu Asp Glu Glu Ser Ser Glu
20 25 30

Ser Arg Met Val Val Thr Phe Leu Met Ser Ala Leu Glu Ser Met Cys
35 40 45

Lys Glu Leu Ala Lys Ser Lys Ala Glu Val Ala Cys Ile Ala Val Tyr
50 55 60

Glu Thr Asp Val Phe Val Val Gly Thr Glu Arg Gly Arg Ala Phe Val
65 70 75 80

Asn Thr Arg Lys Asp Phe Gln Lys Asp Phe Val Lys Tyr Cys Val Glu
85 90 95

Glu Glu Glu Lys Ala Ala Glu Met His Lys Met Lys Ser Thr Thr Gln
100 105 110

Ala Asn Arg Met Ser Val Asp Ala Val Glu Ile Glu Thr Leu Arg Lys
115 120 125

Thr Val Glu Asp Tyr Phe Cys Phe Cys Tyr Gly Lys Ala Leu Gly Lys
130 135 140

Ser Thr Val Val Pro Val Pro Tyr Glu Lys Met Leu Arg Asp Gln Ser
145 150 155 160

BNSDOCID: <WO_ 0122920A2 I >

Ala Val Val Val Gln Gly Leu Pro Glu Gly Val Ala Phe Lys His Pro
165 170 175

Glu Asn Tyr Asp Leu Ala Thr Leu Lys Trp Ile Leu Glu Asn Lys Ala
180 185 190

Gly Ile Ser Phe Ile Xaa Lys Xaa
195 200

<210> 5052
<211> 179
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (155)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (160)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5052
Arg Glu Ile Glu Arg Lys Arg Gln Arg Glu Glu Glu Arg Arg Lys Trp
1 5 10 15

Lys Glu Glu Glu Lys Arg Lys Arg Lys Asp Ile Glu Lys Leu Lys Lys
20 25 30

Ile Asp Arg Ile Pro Glu Arg Asp Lys Leu Lys Asp Glu Pro Lys Ile
35 40 45

Lys Leu Leu Lys Lys Pro Glu Lys Gly Asp Glu Lys Glu Leu Asp Lys
50 55 60

Arg Glu Lys Ala Lys Lys Leu Asp Lys Glu Asn Leu Ser Asp Glu Arg

65 70 75 80

Ala Ser Gly Gln Ser Cys Thr Leu Pro Lys Arg Ser Asp Ser Glu Leu
85 90 95

Lys Asp Glu Lys Pro Lys Arg Pro Glu Asp Glu Ser Gly Arg Asp Xaa
100 105 110

Arg Glu Arg Glu Arg Glu Tyr Glu Arg Asp Gln Glu Arg Ile Leu Arg
115 120 125

Glu Arg Glu Arg Leu Lys Arg Gln Glu Glu Glu Arg Arg Arg Xaa Arg
130 135 140

Ser Ala Met Arg Lys Arg Arg Leu Leu Arg Xaa Lys Lys Lys Lys Xaa
145 150 155 160

Lys Lys Arg Lys Thr His Phe Gly Ile Lys Glu Arg Arg Leu Lys Val
165 170 175

Gln Asn Gln

<210> 5053
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5053
Gln Asp Gly Leu Asn Ser Leu Val Leu Asp Leu Asp Phe Pro Ala Leu
1 5 10 15

Arg Lys Asn Lys Asn Ile Asp Asn Phe Leu Asn Arg Tyr Glu Lys Ile
20 25 30

Val Lys Lys Ile Arg Gly Leu Gln Met Lys Ala Glu Asp Tyr Asp Val
35 40 45

Val Lys Val Ile Gly Arg Gly Xaa Phe Gly Glu Val Gln Leu Val Val
50 55 60

Thr Arg His Arg Arg Arg Phe Met Leu
65 70

<210> 5054
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5054
Pro Cys Ala Ile Ile Phe Phe His His Phe Ser Gly Xaa Leu Glu Gly
1 5 10 15

Gly Gly Asp Pro Gly Asp Leu Ser Thr Leu Phe Ser Gln Lys Ala Gly
20 25 30

Trp Phe Phe Ser Leu Phe Ser Cys Asp Ser Tyr Leu Glu Ser Gly Leu
35 40 45

Asn Val Asn Ile Leu Val Leu Val Val Gln Leu Arg
50 55 60

<210> 5055
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5055
Gly Arg Val Glu Lys Ser Leu Met Thr Leu Lys Ile Ser Ala Trp Leu
1 5 10 15

Leu Thr Lys Ile Gly Asn Xaa Xaa Xaa Gly Xaa Arg Phe Gly Lys Arg
20 25 30

Arg Glu Arg Ile Met Lys Phe Asp Phe Tyr Ile Glu Met Lys Gly Pro
35 40 45

Phe Gln Ile Trp Lys Ser Phe Gly Leu Asn Asn Xaa Xaa Ile Phe Asp
50 55 60

Leu Glu Asn Xaa Gly Xaa Lys Pro
65 70

<210> 5056
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5056
Leu Lys Cys Phe Glu Thr Val Val Asp Gly Tyr Glu Glu Leu Leu Phe

```
  1               5                  10                  15

Leu Leu Pro Cys Arg Thr Pro Glu Ser Lys Met Ile His Gln Gln Leu
            20                  25                  30

Tyr Trp Ser His Pro Arg Lys Val Ser Gln Gly Ser Cys Tyr Xaa Val
        35                  40                  45

Cys
```

<210> 5057
<211> 104
<212> PRT
<213> Homo sapiens

<400> 5057

```
Arg Ile Gln Glu Tyr Phe Leu Leu Gly Trp Ala Leu Asn Lys Ala Lys
  1               5                  10                  15

Asn Cys Arg Asn Gln Ser Arg Lys Ser Pro Ala His Leu Trp Pro Leu
            20                  25                  30

Pro Ser Ser Arg Pro Pro Pro Cys Arg Lys Asn Leu Ala Phe Gly Leu
        35                  40                  45

Ser Leu Ser His Arg Gly His Leu Leu Phe Pro Ser Asp Ile Gln Pro
    50                  55                  60

Tyr Arg Arg Ser Leu Asp Ser Asp Pro Ser Val Gln Ala Gly Trp Lys
65                  70                  75                  80

Gly Pro Ser Thr Leu Pro Gly Arg Ser Glu Thr Asn Cys Phe Arg Glu
                85                  90                  95

Ser Asp Gly Leu Pro Lys Thr Cys
            100
```

<210> 5058
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2_I_>

<400> 5058
Pro Thr Arg Pro Arg Thr Arg Gly Leu Lys Met Pro Leu Thr Phe Ile
1 5 10 15

Leu Leu Pro Ser Gly Lys Gly Asn Leu Val Phe Ser Ile Thr Ser Thr
20 25 30

Lys Ile Leu Leu Xaa Ser Thr His Tyr Pro Ile Pro Lys Pro Phe Ser
35 40 45

His Phe Lys Thr Phe Val Thr Glu Val Pro Asn Pro Ser Gln Phe His
50 55 60

Asn Leu His
65

<210> 5059
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5059
Thr Lys Leu His Phe Gln Gly Gln Gly Leu Gly Asn Xaa Leu Ile Val
1 5 10 15

Lys Ser Cys Asn Thr Ser Val Gln Val Asn Ile Ser Gly Pro Cys Phe
20 25 30

Pro Ser Gln Cys Met His Glu Leu Phe Phe Met His His Trp Gly Ala
35 40 45

Gln Ser Trp Xaa Asn Leu Pro Val Gly Ile Leu Gly Xaa Thr Trp Ala
50 55 60

Cys Leu
65

<210> 5060
<211> 47
<212> PRT
<213> Homo sapiens

<400> 5060
Lys Cys Lys Cys Ala Gly Arg Lys Gly Thr Asp Asp Ser Val Thr Leu
1 5 10 15

Gln Leu Gln Lys Leu Arg Val Gly Asp Tyr Leu Asp Ile Ala Ile Thr
20 25 30

Pro Leu Asn Gln Val Pro Pro Pro Ser Gly His Met Arg Ser Tyr
35 40 45

<210> 5061
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5061
Phe Gly Thr Ser Gly Thr Ser Cys Cys Leu Gly Trp Thr Trp Phe Cys
1 5 10 15

Leu Leu Arg Pro Leu Phe Ala Leu Ser Phe His Phe Leu Gln Arg Ala
20 25 30

Xaa Arg Met Ala His Lys Gln Ile Tyr Tyr Ser Asp Lys Tyr Phe Asp
35 40 45

Glu His Tyr Glu Tyr Arg His Val Met Leu Pro Arg Glu Leu Ser Lys
50 55 60

Gln Val Pro Lys Thr His Leu Met Ser Glu Glu Glu Trp Arg Arg Leu
65 70 75 80

Gly Val Gln Gln Ser Leu Gly Trp Val His Tyr Met Ile His Glu Pro
85 90 95

Glu Pro His Ile Leu Leu Phe Arg Arg Pro Leu Pro Lys Asp Gln Gln
100 105 110

Lys

<210> 5062
<211> 287
<212> PRT
<213> Homo sapiens

<400> 5062
Ser Gly Ser Ala Phe Leu Arg Cys Pro Pro Pro Pro Val Arg Arg Ser
1 5 10 15

Glu Lys Pro Asn Trp Asp Tyr His Ala Glu Ile Gln Ala Phe Gly His
20 25 30

Arg Leu Gln Glu Asn Phe Ser Leu Asp Leu Leu Lys Thr Ala Phe Val
35 40 45

Asn Ser Cys Tyr Ile Lys Ser Glu Glu Ala Lys Arg Gln Gln Leu Gly
50 55 60

Ile Glu Lys Glu Ala Val Leu Leu Asn Leu Lys Ser Asn Gln Glu Leu
65 70 75 80

Ser Glu Gln Gly Thr Ser Phe Ser Gln Thr Cys Leu Thr Gln Phe Leu
85 90 95

Glu Asp Glu Tyr Pro Asp Met Pro Thr Glu Gly Ile Lys Asn Leu Val
100 105 110

Asp Phe Leu Thr Gly Glu Glu Val Val Cys His Val Ala Arg Asn Leu
115 120 125

Ala Val Glu Gln Leu Thr Leu Ser Glu Glu Phe Pro Val Pro Pro Ala
130 135 140

Val Leu Gln Gln Thr Phe Phe Ala Val Ile Gly Ala Leu Leu Gln Ser
145 150 155 160

Ser Gly Pro Glu Arg Thr Ala Leu Phe Ile Arg Asp Phe Leu Ile Thr
165 170 175

Gln Met Thr Gly Lys Glu Leu Phe Glu Met Trp Lys Ile Ile Asn Pro
180 185 190

BNSDOCID: <WO__0122920A2 I_>

```
Met Gly Leu Leu Val Glu Glu Leu Lys Lys Arg Asn Val Ser Ala Pro
        195                 200                 205

Glu Ser Arg Leu Thr Arg Gln Ser Gly Gly Thr Thr Ala Leu Pro Leu
    210                 215                 220

Tyr Phe Val Gly Leu Tyr Cys Asp Lys Lys Leu Ile Ala Glu Gly Pro
225                 230                 235                 240

Gly Glu Thr Val Leu Val Ala Glu Glu Glu Ala Ala Arg Val Ala Leu
                245                 250                 255

Arg Lys Leu Tyr Gly Phe Thr Glu Asn Arg Arg Pro Trp Asn Tyr Ser
            260                 265                 270

Lys Pro Lys Glu Thr Leu Arg Ala Glu Lys Ser Ile Thr Ala Ser
        275                 280                 285
```

<210> 5063
<211> 61
<212> PRT
<213> Homo sapiens

<400> 5063

```
Ile Leu Thr Glu Phe Leu Glu Met Ile Val Asn Cys Leu Gln Ile Ile
  1               5                  10                  15

Glu Lys Cys Ile Tyr Leu Cys Val Cys Val Cys Gln Lys Cys Asn Cys
             20                  25                  30

Phe Ile Ile Phe Phe Pro Tyr Leu Tyr Ile Leu Phe Asn Thr Trp Phe
         35                  40                  45

Ile Ser Thr Val His Cys Phe Leu Cys Pro Lys Leu Thr
     50                  55                  60
```

<210> 5064
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO___0122920A2 I_>

<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5064
Glu Asp Pro Phe Thr Ile Leu Thr Lys Glu Ile Phe Phe Phe Thr Val
1 5 10 15

Glu Leu Val Cys Glu Asn Lys Glu Leu Cys Ser Ser Pro Arg Trp Arg
20 25 30

Asn Ala Ile Gln Lys Ser Asn Phe Ser Lys Val Thr Ser Phe Phe Met
35 40 45

Ser Cys His His Phe Lys Gly Leu Ala Pro Leu Pro His Val Tyr Thr
50 55 60

Gln Gly Asn Cys Arg Pro Ile Ser Cys Leu Gly Leu Thr Leu Met Pro
65 70 75 80

Phe Ala Ser Ser Phe Pro Glu Val Lys Val Pro Val Met Tyr Ser His
85 90 95

Arg Asn Ile Phe Gln Leu Phe Met Ser Phe Thr Thr Lys Lys Lys Xaa
100 105 110

Gln Ser Gly Met Gly Val Gln Leu Leu Xaa Xaa Phe Leu Val Arg Ile
115 120 125

Phe Tyr
130

<210> 5065
<211> 342
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5065
Ile Arg His Glu Gly Leu Gly Arg Met Lys Pro Asn Thr Leu Val Leu

BNSDOCID: <WO__0122920A2_I_>

4560

1 5 10 15

Gly Phe Xaa Lys Asp Trp Leu Gln Ala Asp Met Arg Asp Val Asp Met
20 25 30

Tyr Ile Asn Leu Phe His Asp Ala Phe Asp Ile Gln Tyr Gly Val Val
35 40 45

Val Ile Arg Leu Lys Glu Gly Leu Asp Ile Ser His Leu Gln Gly Gln
50 55 60

Glu Glu Leu Leu Ser Ser Gln Glu Lys Ser Pro Gly Thr Lys Asp Val
65 70 75 80

Val Val Ser Val Glu Tyr Ser Lys Lys Ser Asp Leu Asp Thr Ser Lys
85 90 95

Pro Leu Ser Glu Lys Pro Ile Thr His Lys Val Glu Glu Glu Asp Gly
100 105 110

Lys Thr Ala Thr Gln Pro Leu Leu Lys Lys Glu Ser Lys Gly Pro Ile
115 120 125

Val Pro Leu Asn Val Ala Asp Gln Lys Leu Leu Glu Ala Ser Thr Gln
130 135 140

Phe Gln Lys Lys Gln Gly Lys Asn Thr Ile Asp Val Trp Trp Leu Phe
145 150 155 160

Asp Asp Gly Gly Leu Thr Leu Leu Ile Pro Tyr Leu Leu Thr Thr Lys
165 170 175

Lys Lys Trp Lys Asp Cys Lys Ile Arg Val Phe Ile Gly Gly Lys Ile
180 185 190

Asn Arg Ile Asp His Asp Arg Arg Ala Met Ala Thr Leu Leu Ser Lys
195 200 205

Phe Arg Ile Asp Phe Ser Asp Ile Met Val Leu Gly Asp Ile Asn Thr
210 215 220

Lys Pro Lys Lys Glu Asn Ile Ile Ala Phe Glu Glu Ile Ile Glu Pro
225 230 235 240

Tyr Arg Leu His Glu Asp Asp Lys Glu Gln Asp Ile Ala Asp Lys Met
245 250 255

Lys Glu Asp Glu Pro Trp Arg Ile Thr Asp Asn Glu Leu Glu Leu Tyr
260 265 270

Lys Thr Lys Thr Tyr Arg Gln Ile Arg Leu Asn Glu Leu Leu Lys Glu

BNSDOCID: <WO__ 0122920A2 1_>

275 280 285

His Ser Ser Thr Ala Asn Ile Ile Val Met Ser Leu Pro Val Ala Arg
290 295 300

Lys Gly Ala Val Ser Ser Ala Leu Tyr Met Ala Trp Leu Glu Ala Leu
305 310 315 320

Ser Lys Asp Leu Pro Pro Ile Leu Leu Val Arg Gly Asn His Gln Ser
325 330 335

Val Leu Thr Phe Tyr Ser
340

<210> 5066
<211> 65
<212> PRT
<213> Homo sapiens

<400> 5066
Gln His Arg Asp Lys Met Gln Gln Ser Lys Asn Gln Val Val Ser Ser
1 5 10 15

Thr Asn Gly Glu Leu Asn Thr Asp Asp Pro Thr Ala Gly Arg Ser Asn
20 25 30

Ala Pro Ile Thr Ala Pro Thr Glu Val Glu Val Met Asp Glu Thr Lys
35 40 45

Cys Cys Cys Phe Phe Lys Arg Arg Lys Arg Lys Thr Ile Gln Arg His
50 55 60

Lys
65

<210> 5067
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5067
Ile Arg His Glu Glu Leu Asp Lys Leu Leu Ser Ser Phe Lys Ser Leu
1 5 10 15

Leu Glu Glu Lys Glu Gln Ala Glu Ile Gln Ile Lys Glu Glu Ser Lys
20 25 30

Thr Ala Val Glu Met Leu Gln Asn Gln Leu Lys Glu Leu Asn Glu Ala
35 40 45

Val Ala Ala Xaa Cys Gly Asp Gln Glu Ile Met Lys Ala Thr Xaa Xaa
50 55 60

Ser Leu Asp Pro Pro Ile Glu Glu Arg Ala Ser Ser Glu Lys
65 70 75

<210> 5068
<211> 192
<212> PRT
<213> Homo sapiens

<400> 5068
Glu Cys Arg Leu Glu Gly Ser Met Glu Val His Gly Lys Pro Lys Ala
1 5 10 15

Ser Pro Ser Cys Ser Ser Pro Thr Arg Asp Ser Ser Gly Val Pro Val
20 25 30

Ser Lys Glu Leu Leu Thr Ala Gly Ser Asp Gly Arg Gly Gly Ile Trp
35 40 45

Asp Arg Leu Leu Ile Asn Ser Gln Pro Lys Ser Arg Lys Thr Ser Thr
50 55 60

Leu Gln Thr Val Arg Ile Glu Arg Ser Pro Leu Leu Asp Gln Val Gln
65 70 75 80

Thr Phe Leu Pro Gln Met Ala Arg Ala Asn Glu Lys Leu Arg Lys Glu
85 90 95

Met Ala Ala Ala Pro Pro Gly Arg Phe Asn Ile Glu Asn Ile Asp Gly

100 105 110

Pro His Ser Lys Val Ile Gln Met Asp Val Ala Leu Phe Glu Met Asn
115 120 125

Gln Ser Asp Ser Lys Glu Val Asp Ser Ser Glu Glu Ser Ser Gln Asp
130 135 140

Ser Ser Glu Asn Ser Ser Glu Ser Glu Asp Glu Asp Asp Ser Ile Pro
145 150 155 160

Ser Glu Val Thr Ile Asp Asn Ile Lys Leu Pro Asn Ser Glu Gly Gly
165 170 175

Lys Gly Lys Ile Glu Val Leu Asp Ser Pro Ala Ser Lys Lys Lys Lys
180 185 190

<210> 5069
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5069
Leu Thr Ser Val Asn Ser Ser Pro Thr Arg Leu Met Thr Thr Phe Ile
1 5 10 15

Leu His Glu Xaa Ile Val Phe Val Ser Thr Val Phe Tyr Tyr Phe Arg
20 25 30

Ala Ser Leu Arg His Thr Ile
35

<210> 5070
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5070

```
Gly Ser Gly Ala Glu Ala Xaa Asp Lys Lys Pro Arg Asp Leu Phe Gly
  1               5                  10                  15

Pro Pro Gly Pro Pro Xaa Ala Glu Val Thr Ala Glu Thr Leu Leu His
             20                  25                  30

Glu Phe Gln Glu Leu Leu Lys Glu Ala Thr Glu Arg Arg Phe Ser Gly
         35                  40                  45

Leu Leu Asp Pro Leu Leu Pro Gln Gly Ala Gly Leu Arg Leu Val Gly
     50                  55                  60

Glu Ala Phe His Cys Arg Leu Gln Gly Pro Arg Arg Val Asp Lys Arg
 65                  70                  75                  80

Thr Leu Val Glu Leu His Gly Phe Gln Ala Pro Ala Ala Gln Gly Ala
                 85                  90                  95

Phe Leu Arg Gly Ser Gly Leu Ser Leu Ala Ser Gly Arg Phe Thr Ala
            100                 105                 110

Pro Val Ser Gly Ile Phe Gln Phe Xaa Ala Xaa Leu Xaa Val Gly Ala
```

BNSDOCID: <WO_ 0122920A2_1 >

115 120 125

Gly Trp Gly Ser Ala Val Cys Cys Asp Gly Ala Gly Ala Xaa Leu Ser
130 135 140

Gly Gly
145

<210> 5071
<211> 126
<212> PRT
<213> Homo sapiens

<400> 5071
Glu Arg Ser His Leu Gln Pro Gly Ala Val Gly Ile Thr Glu Ser Pro
1 5 10 15

Ile Leu Gly Leu Gly Ser Ala Met Thr Thr Glu Ile Gly Trp Trp Lys
20 25 30

Leu Thr Phe Leu Arg Lys Lys Lys Ser Thr Pro Lys Val Leu Tyr Glu
35 40 45

Ile Pro Asp Thr Tyr Ala Gln Thr Glu Gly Asp Ala Glu Pro Pro Arg
50 55 60

Pro Asp Ala Gly Gly Pro Asn Ser Asp Phe Asn Thr Arg Leu Glu Lys
65 70 75 80

Ile Val Asp Lys Ser Thr Lys Gly Lys His Val Lys Val Ser Asn Ser
85 90 95

Gly Arg Phe Lys Glu Lys Lys Lys Val Arg Ala Thr Leu Ala Glu Asn
100 105 110

Pro Asn Leu Phe Asp Asp His Glu Glu Gly Arg Ser Ser Lys
115 120 125

<210> 5072
<211> 205
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (190)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5072

```
Tyr Cys Ser Leu Lys Thr Pro Leu Ser Glu Asn Asp Met Pro Ser Gln
  1               5                  10                  15

Cys Asn Ser Glu Leu Val Arg Gly Pro Leu Ala Ala Pro Gly Gly Gly
             20                  25                  30

Glu Arg Tyr Ser Arg Ser Ala Gly Met Tyr Met Gln Ser Gly Ser Asp
         35                  40                  45

Phe Asn Cys Gly Val Xaa Arg Gly Cys Gly Leu Ala Pro Ser Leu Ser
     50                  55                  60

Lys Arg Asp Glu Gly Ser Ser Pro Ser Leu Ala Leu Asn Thr Tyr Pro
 65                  70                  75                  80

Ser Tyr Leu Ser Gln Leu Asp Ser Trp Gly Asp Pro Lys Ala Ala Tyr
                 85                  90                  95

Arg Leu Glu Gln Pro Val Gly Arg Pro Leu Ser Ser Cys Ser Tyr Pro
            100                 105                 110

Pro Ser Val Lys Glu Glu Asn Val Cys Cys Met Tyr Ser Ala Glu Lys
        115                 120                 125

Arg Ala Lys Ser Gly Pro Glu Ala Ala Leu Tyr Ser His Pro Leu Pro
    130                 135                 140

Glu Ser Cys Leu Gly Glu His Glu Val Pro Val Pro Ser Tyr Tyr Arg
145                 150                 155                 160

Ala Ser Arg Ala Thr Pro Arg Trp Thr Arg Arg Pro Thr Val Leu Gly
                165                 170                 175

Pro Thr Thr Ser Lys Pro Leu Ser Ser Ser Gly Pro Val Xaa Thr Arg
            180                 185                 190

Ala Pro Asn Ile Trp Asn Arg Leu Ser Trp Gly Ala Lys
        195                 200                 205
```

<210> 5073
<211> 84
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5073
Val Ser Ser Asn Pro Asp Lys Ser Arg Cys Leu Gly Val Arg His Ile
1 5 10 15

Gln Asp Ile Gly Leu Trp Leu Gln Asn Arg Asn Leu Gly Gly Leu Gln
20 25 30

Leu Val Leu Gly Arg Leu Leu Leu Leu Arg Leu Leu Leu Ile Ile Leu
35 40 45

Leu Leu Leu Leu Leu Leu Leu Leu Leu Asn Arg Gln Xaa Asn Gln Xaa
50 55 60

Val His Xaa Val His His Gln Ser Pro Gly Pro Cys Gly Xaa Glu Val
65 70 75 80

Leu Xaa Thr Asn

<210> 5074
<211> 61
<212> PRT

<213> Homo sapiens

<400> 5074
Gly Arg Ala Lys Glu Arg Lys Val Asn Lys Lys Lys Gln Gln Gln Gln
1 5 10 15

Gln Pro Pro Gln Pro Pro Met Ala His Asp Ile Thr Ala Thr Pro Ala
20 25 30

Gly Pro Ser Leu Gly Gly Leu Cys Pro Ser Asn Thr Ser Leu Leu Ala
35 40 45

Thr Ser Ser Pro Met Pro Val Lys Glu Glu Phe Leu Pro
50 55 60

<210> 5075
<211> 57
<212> PRT
<213> Homo sapiens

<400> 5075
Phe His His Val Ala Gln Ala Gly Leu Asp Leu Pro Thr Ser Ser Asp
1 5 10 15

Leu Pro Ala Pro Thr Ser Gln Ser Ala Gly Ile Thr Gly Leu Ser His
20 25 30

Arg Ala Arg Pro Val Leu Phe Val Phe Val Glu Arg Trp Gly Phe Ala
35 40 45

Met Leu Pro Arg Leu Ile Ser Asn Ser
50 55

<210> 5076
<211> 218
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2.I_>

<400> 5076
Glu Val Leu Pro Gly Pro Gly Ser Thr Arg Val Trp Pro Gly Pro Ser
1 5 10 15

Val Ser Pro Arg Pro Gln Gly Gly Ala Leu Ser Thr Gln Lys Gly Pro
20 25 30

Lys Ala Gly His Gly Gly Ala Glu Glu Phe Gly Arg Cys Lys Gln Pro
35 40 45

His Ala Arg Gly Gly Gly Asp Cys Phe Ser Xaa Arg Pro His Ala Ser
50 55 60

Thr Phe His Xaa Ala Cys Pro Leu Leu Met Cys Ser Ser Gln Cys Leu
65 70 75 80

Cys Glu Pro Thr Ser Ala Gln Ser Tyr Pro Ser Ser Ala Cys Gly Asp
85 90 95

Pro Ala Pro Ala Ala Leu Leu Leu Pro Arg Pro Gln Thr Ala Trp Trp
100 105 110

Arg Val Leu His Leu Gly Gln Ala Gly Val His Pro Ala Lys Asp Lys
115 120 125

Ala Ala Ser Thr Cys Pro Arg Ile Gln Met Val His Trp Pro Arg Glu
130 135 140

Glu Ser Asp Gln Lys Trp Ser Pro Leu Cys Gly Glu Ala Pro Thr Pro
145 150 155 160

Pro Arg Glu Thr Val Pro Arg Cys Gly Ser Pro Pro Ser Leu Val Gly
165 170 175

His Ser Trp Pro Gly Pro Pro Ile Leu Arg Ser Phe Pro Gly Cys Gly
180 185 190

Phe Asp Leu Arg Ser Gly Ser Gly Leu Ala Ser Gly Val Trp Pro Gly
195 200 205

Pro Ala Cys Cys Ser Leu Leu Gly Gly Pro
210 215

<210> 5077
<211> 59
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__0122920A2_I_>

<400> 5077
Gly Ser Ser Thr Ile Lys Ala Tyr Leu Ile Asn Asn Tyr Phe Cys Lys
1 5 10 15

Gln Val Gly Leu Thr Tyr Ser Ser Ser Phe Cys Leu Asp Met Asn Leu
20 25 30

Arg Ser Ser Cys Leu Lys Thr Phe Thr Leu Leu Phe Ser Asp Thr Phe
35 40 45

Pro Ser Tyr Phe Phe Phe Phe Phe Gly Cys Cys
50 55

<210> 5078
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5078

```
Phe Ile Leu Glu Leu Gln Met Gln Ser Ile Xaa Glu Lys Lys Met Lys
  1               5                  10                  15

Xaa Xaa Arg Asn Ile Ala Xaa His Xaa Xaa Asn Xaa Pro Ser Leu Ile
             20                  25                  30

Thr Phe Leu Cys Lys Asn Cys Ser Val Leu Ala Cys Ser Gly Glu Asp
         35                  40                  45

Ile His Val Ile Glu Lys Met His His Val Asn Met Thr Pro Glu Phe
     50                  55                  60

Lys Glu Leu Tyr Ile Val Arg Glu Asn Lys Xaa Leu Gln Lys Lys Cys
 65                  70                  75                  80

Ala Asp Tyr Gln Ile Asn Gly Glu Ile Ile Cys Lys Cys Gly Gln Ala
                 85                  90                  95

Trp Gly Thr Met Met Val His Lys Gly Leu Asp Leu Pro Cys Leu Lys
            100                 105                 110

Ile Arg Asn Phe Val Val Val Phe Lys Asn Asn Ser Thr Lys Lys Gln
        115                 120                 125

Tyr Lys Lys Trp Val Glu Leu Pro Ile Thr Phe Pro Asn Leu Asp Tyr
    130                 135                 140

Ser Glu Cys Cys Leu Phe Ser Asp Glu Asp
145                 150
```

<210> 5079
<211> 254
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5079

```
Xaa Ile Glu Ile Asn Pro His Val Lys Gly Thr Lys Ala Gly Ala Pro
 1               5                  10                  15

Pro Arg Cys Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu
            20                  25                  30

Phe Gly Thr Ser Ser Ser Thr Pro Ala Arg Pro Ser Ser His His Ser
        35                  40                  45

Ala Cys Phe Leu Gly Pro Glu Ile Met Pro Leu Gly Leu Leu Trp Leu
    50                  55                  60

Gly Leu Ala Leu Leu Gly Ala Leu His Ala Gln Ala Gln Asp Ser Thr
65                  70                  75                  80

Ser Asp Leu Ile Pro Ala Pro Pro Leu Ser Lys Val Pro Leu Gln Gln
                85                  90                  95

Asn Phe Gln Asp Asn Gln Phe Gln Gly Lys Trp Tyr Val Val Gly Leu
            100                 105                 110

Ala Gly Asn Ala Ile Leu Arg Glu Asp Lys Asp Pro Gln Lys Met Tyr
        115                 120                 125

Ala Thr Ile Tyr Glu Leu Lys Glu Asp Lys Ser Tyr Asn Val Thr Ser
    130                 135                 140

Val Leu Phe Arg Lys Lys Lys Cys Asp Tyr Trp Ile Arg Thr Phe Val
145                 150                 155                 160

Pro Gly Cys Gln Pro Gly Glu Phe Thr Leu Gly Asn Ile Lys Ser Tyr
                165                 170                 175

Pro Gly Leu Thr Ser Tyr Leu Val Arg Val Val Ser Thr Asn Tyr Asn
            180                 185                 190

Gln His Ala Met Val Phe Phe Lys Lys Val Ser Gln Asn Arg Glu Tyr
        195                 200                 205

Phe Lys Ile Thr Leu Tyr Gly Arg Thr Lys Glu Leu Thr Ser Glu Leu
    210                 215                 220

Lys Glu Asn Phe Ile Arg Phe Ser Lys Ser Leu Gly Leu Pro Glu Asn
225                 230                 235                 240

His Ile Val Phe Pro Val Pro Ile Asp Gln Cys Ile Asp Gly
                245                 250
```

BNSDOCID: <WO___0122920A2_I_>

<210> 5080
<211> 58
<212> PRT
<213> Homo sapiens

<400> 5080
Gln Ala Ala Asp Lys Tyr Val Asp Asp Met Gly Gln Leu Arg Ala Pro
1 5 10 15

Phe Ala Cys His Leu Pro Pro Leu Leu Trp Met Val Ser Pro Leu Ala
20 25 30

Arg Leu Pro Gly Thr Asp His Val Ala Ile Lys Ala Asn Val Asn Lys
35 40 45

Tyr His Glu Thr Val Val Cys Ile Val Phe
50 55

<210> 5081
<211> 76
<212> PRT
<213> Homo sapiens

<400> 5081
Ser Leu Ala Phe Gln Gly Ala Ser Ile Ala Leu His His Asp Leu Ala
1 5 10 15

Leu Val Leu Leu Arg Asp Leu Pro Thr Ala Gly Ser Val Pro Ser Ser
20 25 30

Val Ile Val Leu His Ser Asp Thr Ile Ile Ala Gly Leu Asn Ile Ala
35 40 45

Ile Asn Met Ser Val Pro Gln Ala Glu Arg Gly Phe Leu Ile Leu Arg
50 55 60

Glu Gln Lys Val Phe Trp Leu Lys Arg Leu Lys Thr
65 70 75

<210> 5082
<211> 66
<212> PRT
<213> Homo sapiens

<400> 5082
Lys Tyr Leu Arg Ala Ile Ile Val Gly His Leu Arg Ser Ser Val Asn

```
  1               5                  10                  15

Ser Glu Leu Ala Asn Leu Ser Leu Cys Val Ser Thr Leu Ile Phe Phe
            20                  25                  30

Phe Ser Trp Val Ser Glu Ala Ser Lys Phe Phe Gln Lys Trp Ser Ile
        35                  40                  45

Thr Lys Leu Ser Glu Thr Gln Tyr Leu Met Tyr Cys Thr Arg Leu Pro
    50                  55                  60

Asn Ser
 65
```

<210> 5083
<211> 361
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (344)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (350)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (356)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (359)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5083
Xaa Leu His Arg Gly Asp Asp Arg Ser Arg Thr Ser Gly Ser Pro Gly
1 5 10 15

Leu Gln Glu Phe Gly Arg Gly Xaa Ala Gly Val Gly Gly Arg Pro Arg
20 25 30

Arg Arg Arg Arg Lys Gly Ala Ala Ser Arg Ala Arg Leu Pro Phe Ser
35 40 45

Leu Ser Ile Met Asp Pro Ser Leu Leu Arg Glu Arg Glu Leu Phe Lys
50 55 60

Lys Arg Ala Leu Ser Thr Pro Val Val Glu Lys Arg Ser Ala Ser Ser
65 70 75 80

Glu Ser Ser Ser Ser Ser Ser Lys Lys Lys Lys Thr Lys Val Glu His
85 90 95

Gly Gly Ser Ser Gly Ser Lys Gln Asn Ser Asp His Ser Asn Gly Ser
100 105 110

Phe Asn Leu Lys Ala Leu Ser Gly Ser Ser Gly Tyr Lys Phe Gly Val
115 120 125

Leu Ala Lys Ile Val Asn Tyr Met Lys Thr Arg His Gln Arg Gly Asp
130 135 140

Thr His Pro Leu Thr Leu Asp Glu Ile Leu Asp Glu Thr Gln His Leu
145 150 155 160

Asp Ile Gly Leu Lys Gln Lys Gln Trp Leu Met Thr Glu Ala Leu Val
165 170 175

Asn Asn Pro Lys Ile Glu Val Ile Asp Gly Lys Tyr Ala Phe Lys Pro
180 185 190

Lys Tyr Asn Val Arg Asp Lys Lys Ala Leu Leu Arg Leu Leu Asp Gln
195 200 205

His Asp Gln Arg Gly Leu Gly Gly Ile Leu Leu Glu Asp Ile Glu Glu
210 215 220

Ala Leu Pro Asn Ser Gln Lys Ala Val Lys Ala Leu Gly Asp Gln Ile
225 230 235 240

Leu Phe Val Asn Arg Pro Asp Lys Lys Lys Ile Leu Phe Phe Asn Asp
245 250 255

Lys Ser Cys Gln Phe Ser Val Asp Glu Glu Phe Gln Lys Leu Trp Arg
260 265 270

BNSDOCID: <WO__0122920A2_I_>

```
Ser Val Thr Val Asp Ser Met Asp Glu Glu Lys Ile Glu Glu Tyr Leu
        275                 280                 285

Lys Arg Gln Gly Ile Ser Ser Met Gln Glu Ser Gly Pro Lys Lys Val
    290                 295                 300

Ala Pro Ile Gln Arg Arg Lys Lys Pro Ala Ser Gln Lys Lys Arg Arg
305                 310                 315                 320

Phe Lys Thr His Asn Glu His Leu Ala Gly Val Leu Lys Asp Tyr Ser
                325                 330                 335

Asp Ile Thr Ser Ser Asn Arg Xaa Gln Phe Cys Leu Gly Xaa Glu Leu
            340                 345                 350

Gln Ile His Xaa Gln Glu Xaa Ser Cys
        355                 360
```

<210> 5084
<211> 69
<212> PRT
<213> Homo sapiens

<400> 5084

```
Ile Arg Asn Thr Cys Ile Trp Trp Lys Pro Trp Ile Ser Thr Ser Ser
  1               5                  10                  15

Asn Tyr Ser Ser Leu Tyr Ser Leu Leu Cys Lys Leu Val Tyr Asn Leu
            20                  25                  30

Gln Ala Asp Leu Lys Ile Phe Leu Tyr Leu Ile Ala Ala Ala Phe Ile
        35                  40                  45

Leu Gly Ser Ala Val Thr Phe Asn Tyr Leu Asn Leu Leu Pro Glu Gly
    50                  55                  60

Met Ser Leu Thr Phe
 65
```

<210> 5085
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5085
Leu Trp Phe Arg Trp Phe Gln Phe Ser Asp Ile Ser Ser Ser Arg Lys
1 5 10 15

Ala Asp Ser Leu Cys His Ser His Leu Ala Thr Ala Ala Gly Gly Ser
20 25 30

Gly Asp Lys Asp Leu Ser Ile Gly Pro Ala His Gly Gly Asn Thr Lys
35 40 45

Glu Pro Gly Ala Asp Ala Phe Phe Arg Ala Val Thr Thr Pro Glu His
50 55 60

Ala Thr Leu Glu Thr Ile Leu Arg His Asn Gln Leu Ile Leu Glu Ala
65 70 75 80

Ile Gln Gln Lys Ile Glu Cys Lys Leu Phe Thr Ser Xaa Xaa Glu His
85 90 95

Leu Xaa Lys Leu
100

<210> 5086
<211> 21
<212> PRT
<213> Homo sapiens

<400> 5086
Ile Pro Ala Thr Arg Glu Ala Glu Ala Gly Glu Ser Leu Glu Pro Gly
1 5 10 15

Arg Trp Arg Leu Gln
20

BNSDOCID: <WO__0122920A2_I_>

<210> 5087
<211> 44
<212> PRT
<213> Homo sapiens

<400> 5087
Asp Leu Glu Glu Ile Ile Leu Tyr Tyr Phe Leu Ser Val Phe Phe Asn
1 5 10 15

Ala Phe Thr Ser Gly Val Gly Met Leu Asp Phe Ile Phe Leu Lys Thr
20 25 30

Asn Lys Ile Trp Lys Ala Leu Pro Leu Asn Val Thr
35 40

<210> 5088
<211> 239
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5088
Ser Leu Glu Asn Asp Lys Met Arg Leu Glu Lys Asp Leu Ser Phe Lys
1 5 10 15

Asp Thr Gln Leu Lys Glu Tyr Glu Glu Leu Leu Ala Ser Val Arg Ala
20 25 30

Asn Asn His Gln Gln Gln Gln Gly Leu Gln Asp Ser Ser Ser Lys Cys
35 40 45

Gln Ala Leu Glu Glu Asn Asn Leu Ser Leu Arg His Thr Leu Ser Asp
50 55 60

Met Glu Tyr Arg Leu Lys Glu Leu Glu Tyr Xaa Lys Arg Asn Leu Glu
65 70 75 80

Gln Glu Asn Gln Asn Leu Arg Met Gln Val Ser Glu Thr Cys Thr Gly
85 90 95

Pro Met Leu Gln Ala Lys Met Asp Glu Ile Gly Asn His Tyr Thr Glu
100 105 110

Met Val Lys Asn Leu Arg Met Glu Lys Asp Arg Glu Ile Cys Arg Leu
115 120 125

Arg Ser Gln Leu Asn Gln Tyr His Lys Asp Val Ser Lys Arg Glu Gly
130 135 140

Ser Cys Ser Asp Phe Gln Phe Lys Leu His Glu Leu Thr Ser Leu Leu
145 150 155 160

Glu Glu Lys Asp Ser Leu Ile Lys Arg Gln Ser Glu Glu Leu Ser Lys
165 170 175

Leu Arg Gln Glu Ile Tyr Ser Ser His Asn Gln Pro Ser Thr Gly Gly
180 185 190

Arg Thr Thr Ile Thr Thr Lys Lys Tyr Arg Thr Gln Tyr Pro Ile Leu
195 200 205

Gly Leu Leu Tyr Asp Asp Tyr Glu Tyr Ile Pro Pro Gly Ser Glu Thr
210 215 220

Gln Thr Ile Val Ile Glu Lys Thr Glu Asp Lys Tyr Thr Cys Pro
225 230 235

<210> 5089
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5089
Pro Thr Arg Arg Pro Arg Val Xaa Gly Ala Glu Phe Arg Lys Ile Pro
1 5 10 15

Thr Ser Met Lys Ala Lys Arg Ser His Gln Ala Ile Ile Met Ser Thr
20 25 30

Ser Leu Arg Val Ser Pro Ser Ile His Gly Tyr His Phe Asp Thr Ala
35 40 45

Ser Arg Lys Lys Ala Val Gly Asn Ile Phe Glu Asn Thr Asp Gln Glu
50 55 60

Ser Leu Glu Arg Leu Phe Arg Asn Ser Gly Asp Lys Lys Ala Glu Glu
65 70 75 80

Arg Ala Lys Ile Ile Phe Ala Ile Asp Gln Asp Val Glu Glu Lys Thr

85 90 95

Arg Ala Leu Met Ala Leu Lys Lys Arg Thr Lys Asp Lys Leu Phe Gln
100 105 110

Phe Leu Lys Leu Arg Lys Tyr Ser Ile Lys Val His
115 120

<210> 5090
<211> 216
<212> PRT
<213> Homo sapiens

<400> 5090
Gly His Met Glu Leu Ala Met Asp Asn Ser Tyr Ala Phe Asn Gln Arg
1 5 10 15

Ser Thr Cys Asn Gly Ile Pro Ser Glu Lys Lys Asn Asn Phe Leu Val
20 25 30

Ser Glu Asp His Gly Gln Lys Ile Leu Ser Val Leu Gln Asn Phe Arg
35 40 45

Glu Gln Asn Val Phe Tyr Asp Phe Lys Ile Ile Met Lys Asp Glu Ile
50 55 60

Ile Pro Cys His Arg Cys Val Leu Ala Ala Cys Ser Asp Phe Phe Arg
65 70 75 80

Ala Met Phe Glu Val Asn Met Lys Glu Arg Asp Asp Gly Ser Val Thr
85 90 95

Ile Thr Asn Leu Ser Ser Lys Ala Val Lys Ala Phe Leu Asp Tyr Ala
100 105 110

Tyr Thr Gly Lys Thr Lys Ile Thr Asp Asp Asn Val Glu Met Phe Phe
115 120 125

Gln Leu Ser Ser Phe Leu Gln Val Ser Phe Leu Ser Lys Ala Cys Ser
130 135 140

Asp Phe Leu Ile Lys Ser Ile Asn Leu Val Asn Cys Leu Gln Leu Leu
145 150 155 160

Ser Ile Ser Asp Ser Tyr Gly Ser Thr Ser Leu Phe Asp His Ala Leu
165 170 175

His Phe Val Gln His His Phe Ser Leu Leu Phe Lys Ser Ser Asp Phe
180 185 190

```
Leu Glu Met Asn Phe Gly Val Leu Gln Lys Cys Leu Glu Ser Asp Glu
        195                 200                 205

Leu Asn Val Pro Glu Glu Glu Lys
    210                 215
```

<210> 5091
<211> 535
<212> PRT
<213> Homo sapiens

<400> 5091

```
Ser Cys Arg Ile Arg His Glu Arg Leu Thr Ser Ala Val Ser Leu Gln
  1               5                  10                  15

Leu Arg Ala Pro Gly Ala Ala Arg Pro Ala Ser Gly Leu Pro Asp Arg
             20                  25                  30

Leu Trp Pro Ala Pro Ser Pro Ser Pro Gly Ala His Arg Ala Ala Ala
         35                  40                  45

Gly Ala Glu Gln Pro Pro Ser Arg Pro Ser Ala Gly Pro Ala Arg Ser
     50                  55                  60

Gly Arg Met Asn Asp Phe Gly Ile Lys Asn Met Asp Gln Val Ala Pro
 65                  70                  75                  80

Val Ala Asn Ser Tyr Arg Gly Thr Leu Lys Arg Gln Pro Ala Phe Asp
                 85                  90                  95

Thr Phe Asp Gly Ser Leu Phe Ala Val Phe Pro Ser Leu Asn Glu Glu
            100                 105                 110

Gln Thr Leu Gln Glu Val Pro Thr Gly Leu Asp Ser Ile Ser His Asp
        115                 120                 125

Ser Ala Asn Cys Glu Leu Pro Leu Leu Thr Pro Cys Ser Lys Ala Val
    130                 135                 140

Met Ser Gln Ala Leu Lys Ala Thr Phe Ser Gly Phe Lys Lys Glu Gln
145                 150                 155                 160

Arg Arg Leu Gly Ile Pro Lys Asn Pro Trp Leu Trp Ser Glu Gln Gln
                165                 170                 175

Val Cys Gln Trp Leu Leu Trp Ala Thr Asn Glu Phe Ser Leu Val Asn
            180                 185                 190
```

BNSDOCID: <WO_ 0122920A2 I >

Val Asn Leu Gln Arg Phe Gly Met Asn Gly Gln Met Leu Cys Asn Leu
195 200 205

Gly Lys Glu Arg Phe Leu Glu Leu Ala Pro Asp Phe Val Gly Asp Ile
210 215 220

Leu Trp Glu His Leu Glu Gln Met Ile Lys Glu Asn Gln Glu Lys Thr
225 230 235 240

Glu Asp Gln Tyr Glu Glu Asn Ser His Leu Thr Ser Val Pro His Trp
245 250 255

Ile Asn Ser Asn Thr Leu Gly Phe Gly Thr Glu Gln Ala Pro Tyr Gly
260 265 270

Met Gln Thr Gln Asn Tyr Pro Lys Gly Gly Leu Leu Asp Ser Met Cys
275 280 285

Pro Ala Ser Thr Pro Ser Val Leu Ser Ser Glu Gln Glu Phe Gln Met
290 295 300

Phe Pro Lys Ser Arg Leu Ser Ser Val Ser Val Thr Tyr Cys Ser Val
305 310 315 320

Ser Gln Asp Phe Pro Gly Ser Asn Leu Asn Leu Leu Thr Asn Asn Ser
325 330 335

Gly Thr Pro Lys Asp His Asp Ser Pro Glu Asn Gly Ala Asp Ser Phe
340 345 350

Glu Ser Ser Asp Ser Leu Leu Gln Ser Trp Asn Ser Gln Ser Ser Leu
355 360 365

Leu Asp Val Gln Arg Val Pro Ser Phe Glu Ser Phe Glu Asp Asp Cys
370 375 380

Ser Gln Ser Leu Cys Leu Asn Lys Pro Thr Met Ser Phe Lys Asp Tyr
385 390 395 400

Ile Gln Glu Arg Ser Asp Pro Val Glu Gln Gly Lys Pro Val Ile Pro
405 410 415

Ala Ala Val Leu Ala Gly Phe Thr Gly Ser Gly Pro Ile Gln Leu Trp
420 425 430

Gln Phe Leu Leu Glu Leu Leu Ser Asp Lys Ser Cys Gln Ser Phe Ile
435 440 445

Ser Trp Thr Gly Asp Gly Trp Glu Phe Lys Leu Ala Asp Pro Asp Glu
450 455 460

BNSDOCID: <WO__ 0122920A2 I_>

```
Val Ala Arg Arg Trp Gly Lys Arg Lys Asn Lys Pro Lys Met Asn Tyr
465                 470                 475                 480

Glu Lys Leu Ser Arg Gly Leu Arg Tyr Tyr Tyr Asp Lys Asn Ile Ile
                485                 490                 495

His Lys Thr Ser Gly Lys Arg Tyr Val Tyr Arg Phe Val Cys Asp Leu
            500                 505                 510

Gln Asn Leu Leu Gly Phe Thr Pro Glu Glu Leu His Ala Ile Leu Gly
        515                 520                 525

Val Gln Pro Asp Thr Glu Asp
    530                 535
```

<210> 5092
<211> 452
<212> PRT
<213> Homo sapiens

<400> 5092

```
Asp Pro Arg Val Arg Pro Arg Arg Pro Gln Ser Leu Ser Pro Val Leu
  1               5                  10                  15

Ser Leu Ser Pro Asp Ser Met Ser Phe Thr Thr Arg Ser Thr Phe Ser
            20                  25                  30

Thr Asn Tyr Arg Ser Leu Gly Ser Val Gln Ala Pro Ser Tyr Gly Ala
        35                  40                  45

Arg Pro Val Ser Ser Ala Ala Ser Val Tyr Ala Gly Ala Gly Gly Ser
    50                  55                  60

Gly Ser Arg Ile Ser Val Ser Arg Ser Thr Ser Phe Arg Gly Gly Met
65                  70                  75                  80

Gly Ser Gly Gly Leu Ala Thr Gly Ile Ala Gly Gly Leu Ala Gly Met
                85                  90                  95

Gly Gly Ile Gln Asn Glu Lys Glu Thr Met Gln Ser Leu Asn Asp Arg
            100                 105                 110

Leu Ala Ser Tyr Leu Asp Arg Val Arg Ser Leu Glu Thr Glu Asn Arg
        115                 120                 125

Arg Leu Glu Ser Lys Ile Arg Glu His Leu Glu Lys Lys Gly Pro Gln
    130                 135                 140

Val Arg Asp Trp Ser His Tyr Phe Lys Ile Ile Glu Asp Leu Arg Ala
```

145 150 155 160

Gln Ile Phe Ala Asn Thr Val Asp Asn Ala Arg Ile Val Leu Gln Ile
165 170 175

Asp Asn Ala Arg Leu Ala Ala Asp Asp Phe Arg Val Lys Tyr Glu Thr
180 185 190

Glu Leu Ala Met Arg Gln Ser Val Glu Asn Asp Ile His Gly Leu Arg
195 200 205

Lys Val Ile Asp Asp Thr Asn Ile Thr Arg Leu Gln Leu Glu Thr Glu
210 215 220

Ile Glu Ala Leu Lys Glu Glu Leu Leu Phe Met Lys Lys Asn His Glu
225 230 235 240

Glu Glu Val Lys Gly Leu Gln Ala Gln Ile Ala Ser Ser Gly Leu Thr
245 250 255

Val Glu Val Asp Ala Pro Lys Ser Gln Asp Leu Ala Lys Ile Met Ala
260 265 270

Asp Ile Arg Ala Gln Tyr Asp Glu Leu Ala Arg Lys Asn Arg Glu Glu
275 280 285

Leu Asp Lys Tyr Trp Ser Gln Gln Ile Glu Glu Ser Thr Thr Val Val
290 295 300

Thr Thr Gln Ser Ala Glu Val Gly Ala Ala Glu Thr Thr Leu Thr Glu
305 310 315 320

Leu Arg Arg Thr Val Gln Ser Leu Glu Ile Asp Leu Asp Ser Met Arg
325 330 335

Asn Leu Lys Ala Ser Leu Glu Asn Ser Leu Arg Glu Val Glu Ala Arg
340 345 350

Tyr Ala Leu Gln Met Glu Gln Leu Asn Gly Ile Leu Leu His Leu Glu
355 360 365

Ser Glu Leu Ala Gln Thr Arg Ala Glu Gly Gln Arg Gln Ala Gln Glu
370 375 380

Tyr Glu Ala Leu Leu Asn Ile Lys Val Lys Leu Glu Ala Glu Ile Ala
385 390 395 400

Thr Tyr Arg Arg Leu Leu Glu Asp Gly Glu Asp Phe Asn Leu Gly Asp
405 410 415

Ala Leu Asp Ser Ser Asn Ser Met Gln Thr Ile Gln Lys Thr Thr Thr

BNSDOCID: <WO__0122920A2 I_>

420 425 430

Arg Arg Ile Val Asp Gly Lys Val Val Ser Glu Thr Asn Asp Thr Lys
435 440 445

Val Leu Arg His
450

<210> 5093
<211> 110
<212> PRT
<213> Homo sapiens

<400> 5093
Leu Ser Ile Phe Ser Ser Ser Pro Ile Met Val Asp Asn Asp Ser Ser
1 5 10 15

Gly Thr Ser Asp Lys Asp His Ser Glu Ile Leu Asp Gly Ile Ser Asn
20 25 30

Ile Lys Leu Asn Ser Glu Glu Val Thr Gln Ser Gln Leu Asp Ser Cys
35 40 45

Thr Ser His Asp Gly His Gln Gln Leu Ser Glu Val Ser Ser Lys Arg
50 55 60

Glu Cys Pro Ala Ser Gly Gln Ser Glu Pro Arg Asn Gly Gly Thr Asn
65 70 75 80

Glu Glu Ser Asn Ser Ser Gly Asn Thr Asn Thr Asp Pro Pro Ala Glu
85 90 95

Asp Ser Gln Lys Ser Ser Gly Ala Asn Gln Ala Lys Thr Asp
100 105 110

<210> 5094
<211> 66
<212> PRT
<213> Homo sapiens

<400> 5094
Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Gly Arg Ser Arg
1 5 10 15

Lys Ile Leu Thr His Lys Asn Phe Gly Leu Glu Ser Phe Pro Gly Val
20 25 30

Val Pro Ile Lys Thr Asp Leu Glu Arg Lys Pro Ala Gln His Gly Thr
35 40 45

Cys Phe Leu Asn Ser Leu Glu Ser Val Trp Cys Met Ser Leu Leu Ile
50 55 60

Tyr Ser
65

<210> 5095
<211> 241
<212> PRT
<213> Homo sapiens

<400> 5095
Ser Phe Ser Glu Met Ala Gly Val Ser Ala Cys Ile Lys Tyr Ser Met
1 5 10 15

Phe Thr Phe Asn Phe Leu Phe Trp Leu Cys Gly Ile Leu Ile Leu Ala
20 25 30

Leu Ala Ile Trp Val Arg Val Ser Asn Asp Ser Gln Ala Ile Phe Gly
35 40 45

Ser Glu Asp Val Gly Ser Ser Ser Tyr Val Ala Val Asp Ile Leu Ile
50 55 60

Ala Val Gly Ala Ile Ile Met Ile Leu Gly Phe Leu Gly Cys Cys Gly
65 70 75 80

Ala Ile Lys Glu Ser Arg Cys Met Leu Leu Leu Phe Phe Ile Gly Leu
85 90 95

Leu Leu Ile Leu Leu Leu Gln Val Ala Thr Gly Ile Leu Gly Ala Val
100 105 110

Phe Lys Ser Lys Ser Asp Arg Ile Val Asn Glu Thr Leu Tyr Glu Asn
115 120 125

Thr Lys Leu Leu Ser Ala Thr Gly Glu Ser Glu Lys Gln Phe Gln Glu
130 135 140

Ala Ile Ile Val Phe Gln Glu Glu Phe Lys Cys Cys Gly Leu Val Asn
145 150 155 160

Gly Ala Ala Asp Trp Gly Asn Asn Phe Gln His Tyr Pro Glu Leu Cys
165 170 175

Ala Cys Leu Asp Lys Gln Arg Pro Cys Gln Ser Tyr Asn Gly Lys Gln

180 185 190

Val Tyr Lys Glu Thr Cys Ile Ser Phe Ile Lys Asp Phe Leu Ala Lys
195 200 205

Asn Leu Ile Ile Val Ile Gly Ile Ser Phe Gly Leu Ala Val Ile Glu
210 215 220

Ile Leu Gly Leu Val Phe Ser Met Val Leu Tyr Cys Gln Ile Gly Asn
225 230 235 240

Lys

<210> 5096
<211> 81
<212> PRT
<213> Homo sapiens

<400> 5096
Gly Gly Phe Phe Ser Ile Ser Phe Lys Arg Cys Met Ser Glu Phe Pro
1 5 10 15

Leu His Thr Lys Asn Trp Ser Leu Glu Pro His Tyr Ser Leu Ser Gln
20 25 30

Val Leu Val Pro Tyr Thr Pro Glu Cys Gln Met Val Gly Ala Asp Trp
35 40 45

Lys Lys Glu Lys Ser Ser Ser Arg Cys Val Gly Ser His Pro Pro His
50 55 60

Ile Ala Ser Pro Ser Ser Glu Gln Trp Ala Trp Gly Arg Lys Leu Phe
65 70 75 80

Gln

<210> 5097
<211> 103
<212> PRT
<213> Homo sapiens

<400> 5097
Arg Pro Gln Arg Leu Gly Arg Leu Gly Phe Pro Leu Pro Pro Arg Thr
1 5 10 15

BNSDOCID: <WO_ _0122920A2_I_>

Pro Lys Asp Thr Pro Asn Pro Arg Pro Ala Gly Pro Ala Leu Ala Arg
20 25 30

Pro Lys Tyr Tyr Leu Ala Gln Ala Ser Ala Arg Gly Thr Pro Lys Leu
35 40 45

Pro Met Tyr Pro Ala Pro Glu Gly Leu His Ser Gln Glu Val Pro Met
50 55 60

Tyr Pro Asn Thr Gly Arg His Pro Ala Pro Pro Ser Gln Thr Arg Lys
65 70 75 80

Lys Val Asn Leu Thr Thr Thr Tyr Ser Pro Lys Thr Thr Tyr Phe Val
85 90 95

Leu Ala Gly Leu Pro Ala Thr
100

<210> 5098
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5098
Ile Gly Thr Ser Ser Phe Ala Asn His Pro Pro Ala Ala Arg Leu Phe
1 5 10 15

Pro Ala Asn Lys Glu Arg Glu Glu Ile Gln Thr Leu Lys Gln Gln Xaa
20 25 30

Ala Xaa Leu Arg Glu Asp Leu Lys Xaa Xaa Glu Xaa Lys Trp Ser Ser
35 40 45

Thr His Ser Arg Leu Arg Ser Gln Ile Gln Met Leu Val Arg Glu Asn
50 55 60

Thr Asp Xaa Arg Glu Glu Ile Lys Val Met Glu Arg Phe Arg Leu Asp
65 70 75 80

Ala Trp Lys Arg Ala Glu Ala Ile Glu Ser Ser Leu Glu Val Glu Lys
85 90 95

Lys Asp Lys Leu Ala Asn Thr Ser Val Arg Phe Gln Asn Ser Gln Ile
100 105 110

Ser Ser Gly Thr Gln Val Glu Lys Tyr Lys Lys Asn Tyr Leu Pro Met
115 120 125

Gln Gly Lys Arg Leu His Asp Leu Phe Ile Lys His Phe Arg Met
130 135 140

<210> 5099
<211> 121
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5099
Thr Met Ile Thr Pro Ser Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys
1 5 10 15

Ser Trp Ser Ser Thr Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro
20 25 30

```
Pro Gly Cys Arg Asn Ser Ala Arg Gly Xaa Gly Asn Glu Tyr Ile His
         35                  40                  45

Phe Ser Val Ile Lys Leu Leu Lys Val Asn Phe Asn Val Leu Ile Val
     50                  55                  60

Phe Leu Met Cys Ala Ala Glu Met Ala Met Ser Leu Leu Asn Leu His
 65                  70                  75                  80

Leu Gln Leu Lys Gly Ser Phe Arg Arg Lys Tyr Lys Leu Ala Phe Ile
                 85                  90                  95

Leu Gln Thr Ile Val Phe Tyr Phe Ile Ile Leu Ile Cys Phe Val Thr
            100                 105                 110

His Lys Lys Glu Thr Ile Pro Glu Leu
        115                 120
```

<210> 5100
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5100

```
Gln Xaa Glu Leu Xaa Leu Lys Lys Lys Lys Lys Ile Ile Cys Lys Ile
  1               5                  10                  15

Asn Ser Gly Ile Val Val Leu Phe Lys Glu Met Phe Cys Lys Leu Ser
            20                  25                  30

Ser His Tyr Ile Ile Phe Ile Val Leu Ser
        35                  40
```

<210> 5101
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5101
Lys Tyr His Ser Ser His Xaa Asn Ile Pro Phe Asn Leu Leu Phe Leu
1 5 10 15

Lys Gly Tyr Cys Lys Tyr Glu Ser Ile Tyr Lys Val Asn Cys Tyr Phe
20 25 30

Phe Cys Ser Glu Lys Tyr Thr Leu Lys Ile Val Ile Val Asn Asn Val
35 40 45

<210> 5102
<211> 45
<212> PRT
<213> Homo sapiens

<400> 5102
Glu Arg Asn Trp Met Phe Gln Lys Leu Leu His Leu Leu Gln Met Ser
1 5 10 15

Gln Ile Gln Leu Leu Pro Phe Glu Asn Val Gly Glu Met Ser Leu Lys
20 25 30

Asn Met Phe Val Cys Lys Asn Val Ser Val Cys Asn Ser
35 40 45

<210> 5103
<211> 57
<212> PRT
<213> Homo sapiens

<400> 5103
Val Trp Gly Pro Pro Val Pro Ser Trp Ala Ala Glu Gly Gly Ala Phe
1 5 10 15

Tyr Pro Arg Phe Leu Ser Leu Leu Lys Ser Leu Glu Gln Thr Val Ala
20 25 30

Ala Leu His Pro Leu Leu Phe Lys Lys Asn Phe Phe Ser Arg Lys Lys

35 40 45

Met Leu Ser Val Cys Trp Gly Lys Phe
50 55

<210> 5104
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5104
Gly Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp
1 5 10 15

Pro Arg Val Arg Ser Leu Asp Ser Asn Xaa Leu Ser Ile Asn Phe Ser
20 25 30

Pro Gln Thr Thr Val Asn Phe Tyr Phe Leu Ser Ala Glu Ile Phe His
35 40 45

Arg Trp Lys Leu Met Phe Gln Phe
50 55

<210> 5105
<211> 370
<212> PRT
<213> Homo sapiens

<400> 5105
Lys Gly Arg Ser Ser Glu Ser Thr Thr Pro Leu Asn Val Ser Arg Glu
1 5 10 15

Thr Leu Gln Gln His Lys Leu Leu Lys Val Ile Arg Lys Lys Leu Val
20 25 30

Arg Lys Thr Leu Asp Met Ile Lys Lys Ile Ala Asp Asp Lys Tyr Asn
35 40 45

Asp Thr Phe Trp Lys Glu Phe Gly Thr Asn Ile Lys Leu Gly Val Ile
50 55 60

Glu Asp His Ser Asn Arg Thr Arg Leu Ala Lys Leu Leu Arg Phe Gln

BNSDOCID: <WO_ _0122920A2_1 >

65 70 75 80

Ser Ser His His Pro Thr Asp Ile Thr Ser Leu Asp Gln Tyr Val Glu
85 90 95

Arg Met Lys Glu Lys Gln Asp Lys Ile Tyr Phe Met Ala Gly Ser Ser
100 105 110

Arg Lys Glu Ala Glu Ser Ser Pro Phe Val Glu Arg Leu Leu Lys Lys
115 120 125

Gly Tyr Glu Val Ile Tyr Leu Thr Glu Pro Val Asp Glu Tyr Cys Ile
130 135 140

Gln Ala Leu Pro Glu Phe Asp Gly Lys Arg Phe Gln Asn Val Ala Lys
145 150 155 160

Glu Gly Val Lys Phe Asp Glu Ser Glu Lys Thr Lys Glu Ser Arg Glu
165 170 175

Ala Val Glu Lys Glu Phe Glu Pro Leu Leu Asn Trp Met Lys Asp Lys
180 185 190

Ala Leu Lys Asp Lys Ile Glu Lys Ala Val Val Ser Gln Arg Leu Thr
195 200 205

Glu Ser Pro Cys Ala Leu Val Ala Ser Gln Tyr Gly Trp Ser Gly Asn
210 215 220

Met Glu Arg Ile Met Lys Ala Gln Ala Tyr Gln Thr Gly Lys Asp Ile
225 230 235 240

Ser Thr Asn Tyr Tyr Ala Ser Gln Lys Lys Thr Phe Glu Ile Asn Pro
245 250 255

Arg His Pro Leu Ile Arg Asp Met Leu Arg Arg Ile Lys Glu Asp Glu
260 265 270

Asp Asp Lys Thr Val Leu Asp Leu Ala Val Val Leu Phe Glu Thr Ala
275 280 285

Thr Leu Arg Ser Gly Tyr Leu Leu Pro Asp Thr Lys Ala Tyr Gly Asp
290 295 300

Arg Ile Glu Arg Met Leu Arg Leu Ser Leu Asn Ile Asp Pro Asp Ala
305 310 315 320

Lys Val Glu Glu Glu Pro Glu Glu Glu Pro Glu Glu Thr Ala Glu Asp
325 330 335

Thr Thr Glu Asp Thr Glu Gln Asp Glu Asp Glu Glu Met Asp Val Gly

BNSDOCID: <WO__ 0122920A2_I_>

340 345 350

Thr Asp Glu Glu Glu Glu Thr Ala Lys Glu Ser Thr Ala Glu Lys Asp
355 360 365

Glu Leu
370

<210> 5106
<211> 64
<212> PRT
<213> Homo sapiens

<400> 5106
Ile Ile Ile Ile Lys Lys Ile Asn Ala Met Gln Leu Gly Met Ala Asn
1 5 10 15

Val Asn Ala Tyr Leu Tyr Gln Arg Leu Thr Leu Ser Ser Gly Leu Ser
20 25 30

Leu Val Asp Tyr Pro Trp Gln Thr Leu Asn Glu Gln Arg Glu Ala Thr
35 40 45

Met Leu Lys Asp Lys Ser Pro Leu Ser Ser Tyr Tyr Arg Asn Asn Val
50 55 60

<210> 5107
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5107
Xaa Gln Ala Thr Ala Ile Asn Thr Asp Val Asn Gly Cys Ile Cys Phe
1 5 10 15

Ala Val Val Thr Gly Leu Gly Arg Phe Gly Ile Cys Glu Arg Ile Asp
20 25 30

Ser Phe Ser Lys Leu Phe His Lys Val Lys Lys Leu His Phe Lys Gly
35 40 45

Asn Arg Ser Tyr Ser Ser Leu Lys Ser Xaa Ser Asn Cys Ser Phe Ile
50 55 60

<210> 5108
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5108
Val Glu Pro Arg His Ser Ser Ala Xaa Asn Leu His Ser Leu Ser Ile
1 5 10 15

Ser His Ser Pro Ser Leu Phe Pro Leu Trp Pro His Trp His Pro Gly
20 25 30

Thr Phe Xaa Pro Xaa Gly Leu Cys Thr Tyr Cys Ser Asn Ser Leu Glu
35 40 45

Cys Pro His Ser His Thr Lys Ser Leu Ala Ser Phe Thr Ala Leu Leu

50 55 60

Lys Ser His Leu Leu Ser Glu Ala Phe Pro Asp His Pro Ala Thr Asn
65 70 75 80

Ser Pro Ser Leu Cys Asn Ile Ala Gly Phe Phe Leu Xaa Ala Phe Ile
85 90 95

Ile Ser

<210> 5109
<211> 15
<212> PRT
<213> Homo sapiens

<400> 5109
Val Glu Thr Gly Phe Ile Met Leu Cys Arg Leu Leu Ser Asn Ser
1 5 10 15

<210> 5110
<211> 144
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5110
Glu Lys Pro Phe Ser Ser Phe Thr Ser Met Lys Ser Ser Asp Val Phe

```
  1               5                  10                  15

Ser Ser Lys Gly Met Thr Arg Trp Gly Glu Phe Asp Asp Leu Tyr Arg
            20                  25                  30

Ile Ser Glu Leu Asp Arg Thr Gln Ile Pro Met Ser Glu Lys Arg Asn
        35                  40                  45

Ser Gln Glu Asp Tyr Leu Ser Tyr His Ser Asn Thr Leu Lys Pro His
    50                  55                  60

Ala Lys Asp Glu Pro Asp Ser Pro Val Leu Tyr Arg Thr Met Ser Glu
65                  70                  75                  80

Ala Ala Leu Val Arg Lys Arg Met Lys Pro Leu Met Met Asp Arg Xaa
                85                  90                  95

Glu Arg Gln Lys Asn Arg Ala Ser Ile Asn Gly His Phe Tyr Asn His
            100                 105                 110

Glu Thr Ser Ile Phe Ile Pro Ala Phe Glu Ser Xaa Thr Lys Val Arg
        115                 120                 125

Val Xaa Ser Xaa Met Arg Thr Glu Glu Val Ile Lys Gln Leu Leu Gln
    130                 135                 140
```

<210> 5111
<211> 112
<212> PRT
<213> Homo sapiens

<400> 5111

```
Arg Phe Phe Ile Ile Val Pro Lys Thr Asn Thr Leu Gln Val Val Leu
  1               5                  10                  15

Glu Arg His His Phe Cys Gly Met Phe Trp Leu Gly Glu Gly Val Thr
            20                  25                  30

Val Pro Thr Pro Pro Thr Ser Tyr Ala Ser Ala Leu Arg Arg Trp Leu
        35                  40                  45

Phe Ile Gln Thr Trp Thr Tyr Ser Leu Pro Arg Ala Asp Glu Met Leu
    50                  55                  60

Asn Phe Leu Trp Gly His Ser Leu Ile Val Pro Ala Ala Ala Thr Gly
65                  70                  75                  80
```

BNSDOCID: <WO___0122920A2_I_>

Ala Ser Leu Glu Ala Ala Cys Ala Lys Thr Thr Gln Leu Ser Leu Gly
85 90 95

Ser His Pro Arg Ala Phe Phe Ala Ser Arg Ser Gly Asp Leu Leu Gln
100 105 110

<210> 5112
<211> 92
<212> PRT
<213> Homo sapiens

<400> 5112
Glu Ile Tyr Trp Glu Thr Asp Tyr Asn His Ser Gly Thr Ile Asp Ala
1 5 10 15

His Glu Met Arg Thr Ala Leu Arg Lys Ala Gly Phe Thr Leu Asn Ser
20 25 30

Gln Val Gln Gln Thr Ile Ala Leu Arg Tyr Ala Cys Ser Lys Leu Gly
35 40 45

Ile Asn Phe Asp Ser Phe Val Ala Cys Met Ile Arg Leu Glu Thr Leu
50 55 60

Phe Lys Leu Phe Ser Leu Leu Asp Glu Asp Lys Asp Gly Met Val Gln
65 70 75 80

Leu Ser Leu Ala Glu Trp Leu Cys Cys Val Leu Val
85 90

<210> 5113
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5113
Asn Pro Val Ser Thr Lys Asn Thr Lys Ile Ser Trp Thr Trp Trp Trp
1 5 10 15

BNSDOCID: <WO___0122920A2_I_>

Ala Pro Val Val Pro Ala Thr Gln Xaa Gly Glu
20 25

<210> 5114
<211> 333
<212> PRT
<213> Homo sapiens

<400> 5114
Arg Pro Arg Val Arg Glu Asn Leu Pro Leu Trp Gln His Ile Ser Phe
1 5 10 15

Gln Ala Leu Pro Pro Glu Leu Arg Glu Gln Thr Val His Glu Val Thr
20 25 30

Thr Val Gly Thr Ala Glu Cys Arg Lys Trp Leu Ser Arg Ser Arg Thr
35 40 45

Leu Gly Glu Leu Glu Ser Leu Asn Thr Val Leu Ser Ala Leu Leu Ala
50 55 60

Val Cys Asn Ser Ala Gly Glu Ala Leu Asp Thr Gly Lys Gln Thr Ala
65 70 75 80

Ile Ile Glu Val Val Ser Gln Leu Trp Ala Phe Leu Asn Ile Lys Gln
85 90 95

Val Ala Asp Gln Pro Tyr Val Gln Gln Thr Phe Ser Leu Leu Leu Pro
100 105 110

Leu Leu Gly Phe Phe Ile Gln Thr Leu Asp Pro Lys Leu Ile Leu Gln
115 120 125

Ala Val Thr Leu Gln Thr Ser Leu Leu Lys Leu Glu Leu Pro Asp Tyr
130 135 140

Val Arg Leu Ala Met Leu Asp Phe Val Ser Ser Leu Gly Lys Leu Phe
145 150 155 160

Ile Pro Glu Ala Ile Gln Asp Arg Ile Leu Pro Asn Leu Ser Cys Met
165 170 175

Phe Ala Leu Leu Leu Ala Asp Arg Ser Trp Leu Leu Glu Gln His Thr
180 185 190

Leu Glu Ala Phe Thr Gln Phe Ala Glu Gly Thr Asn His Glu Glu Ile
195 200 205

BNSDOCID: <WO___0122920A2_I >

```
Val Pro Gln Cys Leu Ser Ser Glu Glu Thr Lys Asn Lys Val Val Ser
    210                 215                 220

Phe Leu Glu Lys Thr Gly Phe Val Asp Glu Thr Glu Ala Ala Lys Val
225                 230                 235                 240

Glu Arg Val Lys Gln Glu Lys Gly Ile Phe Trp Glu Pro Phe Ala Asn
                245                 250                 255

Val Thr Val Glu Glu Ala Lys Arg Ser Ser Leu Gln Pro Tyr Ala Lys
            260                 265                 270

Arg Ala Arg Gln Glu Phe Pro Trp Glu Glu Glu Tyr Arg Ser Ala Leu
        275                 280                 285

His Thr Ile Ala Gly Ala Leu Glu Ala Thr Glu Ser Leu Leu Gln Lys
    290                 295                 300

Gly Pro Ala Pro Ala Trp Leu Ser Met Glu Met Glu Ala Leu Gln Glu
305                 310                 315                 320

Arg Met Asp Lys Leu Lys Arg Tyr Ile His Thr Leu Gly
                325                 330
```

<210> 5115
<211> 48
<212> PRT
<213> Homo sapiens

<400> 5115

```
Glu Gln Gln Leu Arg Arg Gly Gly Arg Val Gly Gly Gln Pro Tyr Val
  1               5                  10                  15

Trp Ser Thr Gln Arg Pro Ala Ile Pro Ile Ser Val Leu Leu Ser Ile
            20                  25                  30

Ser Ser Glu Asp Leu Ser Glu Asn Arg Ala Gly Met Arg Ser Gln Thr
        35                  40                  45
```

<210> 5116
<211> 40
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__0122920A2_I >

<400> 5116
Asn Pro Ile Ser Thr Lys Asn Ala Lys Ile Ser His Val Trp Cys Tyr
1 5 10 15

Ala Pro Val Val Pro Ala Thr Leu Glu Ala Glu Ala Gly Glu Ser Leu
20 25 30

Glu Pro Arg Arg Arg Arg Leu Trp
35 40

<210> 5117
<211> 32
<212> PRT
<213> Homo sapiens

<400> 5117
Asn His Leu Ile Cys Lys Leu Glu Trp Ala Leu Glu Asn His Thr Val
1 5 10 15

Phe Leu Ser His Phe Thr Gly Lys Ile Thr Asp Val Ser Ile Cys Asp
20 25 30

<210> 5118
<211> 16
<212> PRT
<213> Homo sapiens

<400> 5118
Asn Phe Ile Ala Leu Ser Ser Tyr Ile Ile Lys Glu Asp Lys Pro Gln
1 5 10 15

<210> 5119
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5119
Pro Leu Pro His Ala Asp Leu Gln Gln Val Ala Gln Xaa Glu Pro Asn
1 5 10 15

Asn Ala Tyr Asp Glu Glu Asp Cys Val Glu Met Val Ala Ser Gly Gly
20 25 30

Trp Asn Asp Val Ala Cys His Thr Thr Met Tyr Phe Met Cys Glu Phe
35 40 45

Asp Lys Glu Asn Met
50

<210> 5120
<211> 61
<212> PRT
<213> Homo sapiens

<400> 5120
Ser Leu Asp Ile His Lys Glu Arg Arg Tyr Ser Asp Glu Gly Asp His
1 5 10 15

Asn Ser Val Val Leu Met Ile Leu Asp Tyr Asn Leu Phe Leu Phe Ile
20 25 30

Phe His Ser Phe Phe Lys Asn Met Asp Cys Ile Leu Ser Thr Thr Ile
35 40 45

Ser Gln Ile Pro Lys Ile Val Leu Thr Phe Ser Asp Tyr
50 55 60

<210> 5121
<211> 189
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5121

```
Gln Asn Asn Thr Val Leu Val Glu Gly Cys Phe Cys Pro Glu Gly Thr
  1               5                  10                  15

Met Asn Tyr Ala Pro Gly Phe Asp Val Cys Val Lys Thr Cys Gly Cys
             20                  25                  30

Xaa Gly Pro Asp Asn Val Pro Arg Glu Phe Gly Glu His Phe Glu Phe
         35                  40                  45

Asp Cys Lys Asn Cys Val Cys Leu Glu Gly Gly Ser Gly Ile Ile Cys
     50                  55                  60

Gln Pro Lys Arg Cys Ser Gln Lys Pro Val Thr His Cys Val Glu Asp
 65                  70                  75                  80

Gly Thr Tyr Leu Ala Thr Glu Val Asn Pro Ala Asp Thr Cys Cys Asn
                 85                  90                  95

Xaa Thr Val Cys Lys Cys Gln His Gln Pro Val Gln Arg Glu Ala Leu
            100                 105                 110

Arg Val Pro Ala Gly Asn Ser Lys Trp Lys Ser Lys Met Val Pro Gly
        115                 120                 125

Lys Cys Cys Pro Phe Tyr Trp Cys Glu Val Gln Gly Gly Val Cys Ser
    130                 135                 140

Arg Gly Met Leu Ser Thr Ser Pro Val Leu Pro Val Tyr Ser Ser Lys
145                 150                 155                 160

Trp Pro Gly Leu Ala Cys Xaa Lys Gly Gln Gly Gly Thr Thr Thr Thr
                165                 170                 175

Leu Xaa Gln Arg Ser Leu Ala Trp Gln Pro Thr Gly Gly
            180                 185
```

<210> 5122

BNSDOCID: <WO__0122920A2_I_>

<211> 225
<212> PRT
<213> Homo sapiens

<400> 5122

```
Glu Ala Ser Ser Pro Thr Phe Ser Lys Glu Pro Met Lys Val Gln Asp
  1               5                  10                  15

Ser Val Leu Ile Lys Ala Asp Asn Thr Ile Glu Gly Asp Asn Asn Glu
             20                  25                  30

Gln Asn Tyr Ile Lys Asp Val Lys Leu Glu Asp His Leu Leu Ala Gly
         35                  40                  45

Ser Cys Leu Lys Gln Ser Ser Lys Asn Ile Phe Thr Glu Arg Ala Glu
     50                  55                  60

Asp Gln Ile Lys Ile Ser Thr Arg Lys Gln Lys Ser Val Lys Glu Ile
 65                  70                  75                  80

Ser Ser Tyr Thr Pro Lys Asp Cys Thr Ser Arg Asn Gly Pro Glu Arg
                 85                  90                  95

Gly Cys Asp Arg Gly Ile Ile Val Ser Thr Arg Leu Leu Thr Asp Ser
            100                 105                 110

Ser Thr Asp Ala Leu Glu Lys Val Ser Thr Ser Asn Glu Asp Phe Ser
        115                 120                 125

Leu Lys Asp Asp Ala Leu Ala Lys Thr Ser Lys Arg Lys Thr Lys Val
    130                 135                 140

Gln Lys Asp Glu Ile Cys Ala Lys Leu Ser His Val Ile Lys Lys Gln
145                 150                 155                 160

His Arg Lys Ser Thr Leu Val Asp Asn Thr Ile Asn Leu Asp Glu Asn
                165                 170                 175

Leu Thr Val Ser Asn Ile Glu Ser Phe Tyr Ser Arg Lys Asp Thr Gly
            180                 185                 190

Val Gln Lys Gly Asp Gly Phe Ile His Asn Leu Ser Leu Asp Pro Ser
        195                 200                 205

Gly Val Leu Asp Asp Lys Asn Gly Glu Gln Lys Ser Gln Asn Asn Val
    210                 215                 220

Leu
225
```

<210> 5123
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5123
Glu Gln Lys Gly Ser Arg Glu Trp Gly Ser Lys Asn Gly Ser Arg Val
1 5 10 15

Arg Met Arg Ser Gln Xaa Lys Trp Cys Phe Xaa Gly Gly His Lys Glu
20 25 30

Gly Arg Val Ile Asp Phe
35

<210> 5124
<211> 71
<212> PRT
<213> Homo sapiens

<400> 5124
Cys Gln Thr Ile Trp Arg Ser Ile Arg Gly Leu Thr Gly His Ile Ile
1 5 10 15

Arg Gln Pro His Phe Ser Ser Ser Ser Met Arg Lys Trp Met Ile Ser
20 25 30

Leu Phe His Met Ser Leu Gly Glu Arg Leu Pro Val Pro Leu Lys Leu
35 40 45

Cys Ile Leu Leu Glu Thr Glu Ala Ser Arg Trp Leu Trp Gln Leu Ala
50 55 60

Lys Ala Lys Met Leu Cys Ala
65 70

<210> 5125
<211> 184
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (184)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5125

```
Arg Arg Val Gln Gln Glu Ile Asp Asp Val Ile Gly Gln Val Arg Arg
  1               5                  10                  15

Pro Glu Met Gly Asp Gln Ala His Met Pro Tyr Thr Thr Ala Val Ile
             20                  25                  30

His Glu Val Gln Arg Phe Gly Asp Ile Val Pro Xaa Gly Val Thr His
         35                  40                  45

Met Thr Ser Arg Asp Ile Glu Val Gln Gly Phe Arg Ile Pro Lys Gly
     50                  55                  60

Thr Thr Leu Ile Thr Asn Leu Ser Ser Val Leu Lys Asp Glu Ala Val
 65                  70                  75                  80

Trp Glu Lys Pro Phe Arg Phe His Pro Glu His Phe Leu Asp Ala Gln
                 85                  90                  95

Gly His Phe Val Lys Pro Glu Ala Phe Leu Pro Phe Ser Ala Gly Arg
            100                 105                 110

Arg Ala Cys Leu Gly Glu Pro Leu Ala Arg Met Glu Leu Phe Leu Phe
        115                 120                 125

Phe Thr Ser Leu Leu Gln His Phe Ser Phe Ser Val Pro Thr Gly Gln
    130                 135                 140

Pro Arg Pro Ser His His Gly Val Phe Ala Phe Leu Val Ser Pro Ser
145                 150                 155                 160
```

BNSDOCID: <WO___0122920A2_I_>

Pro Tyr Glu Leu Cys Ala Val Pro Arg Arg Met Gly Tyr Leu Val Pro
165 170 175

Ser Leu Leu Pro Xaa Gln Arg Xaa
180

<210> 5126
<211> 84
<212> PRT
<213> Homo sapiens

<400> 5126
Ala Gln Val Ser Phe Ser Pro Trp Met Ala Ser Ala Ala Pro Gly Arg
1 5 10 15

Pro His Leu Val Leu Tyr Cys Glu Ser Leu Ala Thr Gln Val Arg Ser
20 25 30

Gly Pro Gly Pro Arg Met Ala Ser Val Ala Arg Lys Tyr Ala Lys Glu
35 40 45

Glu Val Asn Pro Ile Ala Gly Leu Glu Asp Ser Asp Gln Thr Thr Arg
50 55 60

Gly Leu Leu Asn Lys Gly Arg Arg Cys Pro Cys Leu Met Gly Leu Ala
65 70 75 80

Trp Gly Gly Gly

<210> 5127
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5127
Arg Pro Pro Thr Thr Thr Lys Phe Ala Xaa Ala Arg Gln Met Ala Gly

BNSDOCID: <WO__ 0122920A2_I_>

```
  1               5                  10                  15

Lys Gln Ala Val Ser Xaa Ser Gly Lys Trp Leu Asp Gly Ile Arg Lys
            20                  25                  30

Trp Tyr Tyr Asn Ala Ala Gly Phe Asn Lys Leu Gly Leu Met Arg Asp
        35                  40                  45

Asp Thr Ile Tyr Glu Asp Glu Asp Val Lys Glu Ala Ile Arg Arg Leu
    50                  55                  60

Pro Glu Asn Leu Tyr Asn Asp Arg Met Phe Arg Ile Lys Arg Ala Leu
65                  70                  75                  80

Asp Leu Asn Leu Lys His Gln Ile Leu Pro Lys Glu Gln Trp Thr Lys
                85                  90                  95

Tyr Glu Glu Glu Asn Phe Tyr Leu Glu Pro Tyr Leu Lys Glu Val Ile
            100                 105                 110

Arg Glu Arg Lys Glu Arg Glu Glu Trp Ala Lys Lys
        115                 120
```

<210> 5128
<211> 62
<212> PRT
<213> Homo sapiens

<400> 5128

```
Tyr Gln Leu Gln Ala Gly Arg Glu Ser Leu Gln His Gly Pro Lys Met
  1               5                  10                  15

Leu Ser Leu Gln Thr Gly Glu Gly Gln Val Gly Ser His Ser Ser Glu
            20                  25                  30

Ser Leu Tyr Tyr Thr Ile Glu Ser Tyr Val Phe Ser Arg Phe Gly Val
        35                  40                  45

Glu Ala Ile His Ile Tyr Glu Glu Ser Gln Ala Gln Glu Gln
    50                  55                  60
```

<210> 5129
<211> 49
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5129
Phe Lys Trp Val Pro Gln Asn Leu Val Val Ile Leu Leu Gly Ile Phe
1 5 10 15

Val Gln Tyr Ile Ala Leu Xaa Ser Ser Pro Thr Phe Ser Pro Leu Arg
20 25 30

Lys His Leu His Phe Leu Ser Ser Pro Asn Trp Glu Asn Met Gln Ile
35 40 45

Leu

<210> 5130
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5130
Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Asn Lys Cys
1 5 10 15

Xaa Val Xaa Phe Ile Thr Asn Ile Asn Ile Ile Phe Leu Leu Phe Ile
20 25 30

Leu Tyr Ala Ser Phe Tyr Thr Phe Thr His Thr Lys Asn Ile Lys Asn
35 40 45

Ile Ser Asn Tyr Ser Ile Leu Val Glu Phe Ser Leu Lys
50 55 60

<210> 5131
<211> 58

<212> PRT
<213> Homo sapiens

<400> 5131
Ile Tyr Val Lys His Lys Pro Leu Ile Phe Leu Lys Lys Ser Arg Leu
1 5 10 15

Leu Phe Phe His Ile Ile Ser Glu Pro Phe Ser Ser Phe Ala Cys Pro
20 25 30

Leu Leu Gln Asn His Thr Asp Phe Val Leu His Phe Ile His His Leu
35 40 45

Leu Lys Cys Pro Leu Lys Cys Asn Gly Ile
50 55

<210> 5132
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5132
Asn Ala Lys Ser Gln Met Tyr Leu Ser Met Asn Phe Asp Ala Cys Thr
1 5 10 15

His Leu Tyr Asn Ser Asn His Tyr Xaa Asp Val Glu His Asp His His
20 25 30

Thr Arg Gly Pro Pro Ala Pro Ser Gln Leu Ile Leu Ile Ser Thr Pro
35 40 45

Glu Ser Asn His Ser Ser Asp Phe Phe His His Arg Leu Val
50 55 60

<210> 5133
<211> 70
<212> PRT
<213> Homo sapiens

<400> 5133
Arg Lys Pro Leu Trp Cys Leu Asn Asp Lys Tyr Ala Asp Ala Thr Leu
1 5 10 15

```
Leu Cys Leu Met Tyr Gly Ala Leu Gly Gln Leu Phe Asn Ile Lys Gln
            20                  25                  30

Leu Arg Thr Cys Phe Arg Lys Cys Cys Ser Phe Ala Leu His Ala Lys
        35                  40                  45

Val Leu Gly Lys Lys Leu Thr Ile Cys Lys Asn Ile Asp Ala Gln Ala
    50                  55                  60

His Lys Glu Phe Ile Leu
65                  70
```

<210> 5134
<211> 96
<212> PRT
<213> Homo sapiens

<400> 5134

```
Lys Leu Pro Asn Phe Tyr Gln Leu Glu Gly His Pro Trp Val Phe Val
  1               5                  10                  15

Arg Ser Tyr Leu Met Ser Leu Cys Leu Gly Asp Ser Ala Gly Trp Ser
            20                  25                  30

Leu Gly Pro Gly Gly Pro Ser Pro Gly Val Cys Arg Trp Thr Arg Ser
        35                  40                  45

Pro Thr Gly Asp Ile Asn Leu Arg Val Ala Ser Leu Glu Thr Gly Thr
    50                  55                  60

Trp Ala Ala Leu Phe Pro Ser Pro Leu Leu Arg Gly Leu Gly Arg Cys
65                  70                  75                  80

Cys Phe His Ala Ala Ser Thr Ile Thr Leu Gly Phe Leu Asp Gly Lys
                85                  90                  95
```

<210> 5135
<211> 59
<212> PRT
<213> Homo sapiens

<400> 5135

```
His Asp Leu Gly Ser Leu Gln Pro Leu Pro Pro Gly Phe Lys Arg Phe
```

```
  1               5                  10                  15

Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr Arg Arg Pro Pro Ser
             20                  25                  30

Arg Pro Gly Asn Phe Phe Val Leu Leu Val Glu Thr Val Ile His Tyr
         35                  40                  45

Val Gly Gln Ala Ser His Glu Leu Leu Thr Ser
     50                  55
```

<210> 5136
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5136

```
Gly Phe Ile Gln Arg Ser Asn Phe Leu Xaa Xaa Gln Lys Ile His Thr
  1               5                  10                  15

Glu Glu Lys Leu Tyr Glu Cys Ser Gln Tyr Gly Arg Asp Phe Asn Ser
             20                  25                  30

Thr Thr Asn Val Lys Asn Asn Gln Arg Val His Gln Glu Gly Leu Ser
         35                  40                  45

Leu Ser Lys Ala Pro Ile His Leu Gly Glu Arg Ser Val Asp Lys Gly
     50                  55                  60

Glu His Thr Gly Asn Leu
 65                  70
```

<210> 5137
<211> 78
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO _ 0122920A2 I_>

<400> 5137
Pro Val Ser Phe Tyr Leu Pro Leu Pro Phe Trp Met Lys Met Leu Ile
1 5 10 15

Val Gly His Phe Leu Ala Arg Thr Ala Leu Val Pro Leu Thr His Lys
20 25 30

Thr Arg Leu Leu Ser Phe Ile Asp Thr Ser Ile Lys Lys Arg Phe Lys
35 40 45

Asp Arg Ala Arg Trp Leu Thr Pro Val Ile Pro Ala Leu Trp Glu Ala
50 55 60

Glu Ala Gly Gly Ser Pro Glu Val Gly Ser Ser Arg Pro Ala
65 70 75

<210> 5138
<211> 59
<212> PRT
<213> Homo sapiens

<400> 5138
Ile Pro Arg Leu Leu Cys Ser Thr Gly Gln Thr Ser Trp Ser Ile Cys
1 5 10 15

Val Gly Glu Thr Trp Glu Lys Ala Lys Thr Met Cys Glu Cys Tyr Asp
20 25 30

Tyr Leu Phe Asp Ile Ala Val Ser Met Lys Lys Val Gly Leu Asp Pro
35 40 45

Ser Gln Leu Pro Val Gly Glu Asn Gly Ile Val
50 55

<210> 5139
<211> 56
<212> PRT
<213> Homo sapiens

<400> 5139
Asp Phe Phe Ser Leu Tyr Phe His Pro Thr Asn His Leu Glu Ser Gly
1 5 10 15

Ile Lys Gly Ile Asn Gln Glu Lys Thr Glu Gly Gln Glu Thr Glu Pro
20 25 30

Asn Lys Gly Asp Pro Ser Gln Gly Ala Trp Glu Ser Ala Gly Leu Asp

35 40 45

Ala Pro Pro Ser Ser Ala Ser Tyr
50 55

<210> 5140
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5140
Thr Gly Leu Glu Thr Leu Gly Ser Gln His Leu Tyr Phe Leu Val Arg
1 5 10 15

Lys Trp Ala Trp Arg Cys Trp Glu Ile Lys Arg Gly Val Gly Glu Asp
20 25 30

Pro Val Ser Val Ser Ser Cys Val Val Asp Val Asn Leu Ala Val Asn
35 40 45

Val Ala Gly Cys Val Ser Cys Leu Leu Ser Asn Cys Trp Leu Pro Arg
50 55 60

His Ser Val Leu Leu Xaa Phe Ser Glu Phe His
65 70 75

<210> 5141
<211> 33
<212> PRT
<213> Homo sapiens

<400> 5141
His Ala Ser Ser Leu Gly Asp Arg Val Arg Leu Phe Leu Lys Ile Lys
1 5 10 15

Thr Lys Asn Lys Phe Leu Leu Glu Val Gly Trp Arg Trp Gly Ala Arg
20 25 30

Ile

BNSDOCID: <WO__0122920A2 I_>

<210> 5142
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5142
Met Tyr Ser Lys Val Trp Leu Pro Phe Arg Ser Leu Gly Gly Ala Val
1 5 10 15

Leu Asn Ser Phe Ser Asn Arg Ala Thr Phe Tyr Phe Leu Ile Glu Leu
20 25 30

Leu Phe Asn Phe Tyr Phe Leu Ile Gly Xaa
35 40

<210> 5143
<211> 118
<212> PRT
<213> Homo sapiens

<400> 5143
Ala Gly Pro Glu Leu Pro Pro Leu Gln Val Gln Met His Arg Cys Ser
1 5 10 15

Cys Pro Ser Val Ser Ser Gln Gly Cys Lys Arg Arg Thr His Pro Ser
20 25 30

Arg Lys Gln Pro Glu Pro Gly Thr Gly Cys Ala Lys Glu His Cys Tyr
35 40 45

Gln Val Glu Glu Arg Gly Leu Pro Cys Thr Gln Asp Val Glu Ser Leu
50 55 60

Leu Arg Ser Glu Gln Lys Ile Lys Asn Lys Ser Leu Leu Lys Gly Leu
65 70 75 80

Ile Gly Gln Val Cys Phe Ser Leu Glu Gln Cys Phe Ala Leu Glu Asn
85 90 95

Cys Lys Ile Tyr Val Met Thr Gln Tyr Ile Cys Val Arg Thr Tyr Met
100 105 110

Ile Gly Ile Lys Cys Leu

115

<210> 5144
<211> 70
<212> PRT
<213> Homo sapiens

<400> 5144
Ser Gln Lys Gly Arg Val Ile Ile Lys Glu Glu Ser Asp Gln Glu Ser
1 5 10 15

Lys Ile Asp Arg Glu Ser Arg Leu Leu Glu Lys Trp Glu Asn Tyr Arg
20 25 30

Thr Asp Ser Ala Arg Arg Arg Gln Ala Gly Glu Glu Arg Pro Ser Gln
35 40 45

Ser Ser Thr Cys Ala Asn Arg Lys Cys Val Arg Gly Phe Leu Glu Leu
50 55 60

Thr Gly Ala Gly Asp His
65 70

<210> 5145
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5145
Val Met Asn Ile Arg Ile Ile Ala Leu Ser Ala Gly Ser Phe Thr Arg
1 5 10 15

Gln Glu Phe Xaa Asn Cys Pro Ile Asn Ile Cys Leu Xaa Ser Cys Lys
20 25 30

Lys Asp Xaa Phe Ile Phe Cys Ile Phe Ile Thr
35 40

<210> 5146
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5146
Phe Gly Ser Leu Lys Met Leu Cys Gly Ala Lys Gln Ile Val Cys Gln
1 5 10 15

Met Trp Pro Ser Ser Cys Gln Ser Cys Leu Tyr Gln Asp Ala Ser Leu
20 25 30

Leu Thr Asn Ser His Ile Ala Thr Gly Val Glu Thr Val Leu Ala Thr
35 40 45

Lys Leu Xaa Gly Phe His
50

<210> 5147
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5147
Trp Tyr Pro Xaa Pro Pro Gly Xaa Asp Xaa Asp Gly Pro Lys Ser His
1 5 10 15

Leu Gly Xaa Arg Leu Tyr Gly Lys Xaa Gly Leu Ser Asn Tyr Phe Gln
20 25 30

Tyr Ser Ile Val Phe His Cys Pro Phe Val Phe His Lys Leu Asn Asp
35 40 45

Cys Leu Ile Phe Pro Lys Ile Tyr Phe
50 55

<210> 5148
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5148
Val Phe Glu Pro Thr Ser His Ala Thr Ser His Lys Xaa Thr Tyr His
1 5 10 15

Leu Arg Thr Ser Ser Ala Lys Met Pro Glu Asn Ile Gln Ser Ser Trp
20 25 30

Gln Met Thr Gln Gly Ser Leu Ala Leu Leu Thr Ile Phe Leu Ala Asn
35 40 45

Leu Asp Trp Lys Gly His Leu Gln His Cys Pro Gly Ala Asn Thr Leu
50 55 60

Phe His Cys Leu Cys His Ile Met Met Pro Ala Leu Ala Ser Trp Trp

65 70 75 80

Val Phe Gly Gly Ile Leu His Glu Asp Cys Pro Ile Arg Gly Arg Tyr
85 90 95

Thr Tyr Leu Ala Lys
100

<210> 5149
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5149
Ala Arg Ile Arg Met Ala Ile Ser Pro Arg Ser Asp Ala Thr Phe Ser
1 5 10 15

Ser Gln Lys Ser Thr Pro Ser Glu Ser Pro Arg Thr Lys Lys Phe Pro
20 25 30

Leu Thr Glu Glu Glu Ile Phe Tyr Met Xaa Cys Arg Ala Ala Tyr Leu
35 40 45

Thr Val Phe Lys Ser Ser Leu Glu Asn Ile Ile Ser Lys Asp Gln Leu
50 55 60

Tyr Leu Ala Leu Gln His Ala Gly Arg Asn Pro Ser Gln Lys Thr Ile
65 70 75 80

Asn Lys Tyr Trp Thr Pro Gln Thr Ala Lys Leu Asn Phe Asp Asp Phe
85 90 95

Cys Ile Ile Leu Arg Lys Glu Lys Pro Thr Ser Lys Ala Glu Leu Leu
100 105 110

Lys Ser Phe Lys Gln Leu Asp Val Asn Asp Asp Gly Cys Ile Leu His
115 120 125

Thr Asp Leu Tyr Lys Phe Leu Thr Lys Arg Gly Glu Lys Met Thr
130 135 140

<210> 5150

<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5150
Ala Leu Leu Cys Arg Ser Ser Ser Tyr Ile Gly Pro Phe Lys Lys Leu
1 5 10 15

Pro Ala Glu Ile Pro Gly Val Ile Cys Leu Glu His Xaa Pro Leu Thr
20 25 30

Ser Ser Thr His Leu Leu Ala Ala Pro Arg His Ser Ser Asn Leu Ile
35 40 45

Leu Asn Val Ile Ser Leu Lys Lys Pro Phe Leu Thr Gln Ser Lys Ile
50 55 60

Ser Thr Phe Gly Tyr Ser Leu Ser Gln His Leu Asp Phe Phe Pro Ser
65 70 75 80

<210> 5151
<211> 29
<212> PRT
<213> Homo sapiens

<400> 5151
Ser Phe Cys Leu Tyr Lys Ser Thr Cys Ser Cys Ala Asn Pro Ser Val
1 5 10 15

Asp Ser Trp Gln His Glu Ser Leu Ile Pro Gly Tyr Asn
20 25

<210> 5152
<211> 181
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5152
Val Ser Pro Ser Pro Pro Trp Thr Pro Pro Gly Ala Asp Arg Pro Met
1 5 10 15

Glu Ser Gln Gly Val Pro Pro Gly Pro Tyr Arg Ala Thr Lys Leu Trp
20 25 30

Asn Glu Val Thr Thr Ser Phe Arg Ala Gly Met Pro Leu Arg Lys His
35 40 45

Arg Gln His Phe Lys Lys Tyr Gly Asn Cys Phe Thr Ala Gly Glu Ala
50 55 60

Val Asp Trp Leu Tyr Asp Leu Leu Arg Asn Asn Ser Asn Phe Gly Pro
65 70 75 80

Glu Val Thr Arg Gln Gln Thr Ile Gln Leu Leu Arg Lys Phe Leu Lys
85 90 95

Asn His Val Ile Glu Asp Ile Lys Gly Arg Trp Gly Ser Glu Asn Val
100 105 110

Asp Asp Asn Asn Gln Leu Phe Arg Phe Pro Ala Thr Ser Pro Leu Lys
115 120 125

Thr Leu Pro Arg Arg Tyr Pro Glu Leu Arg Lys Asn Asn Ile Glu Asn
130 135 140

Phe Ser Lys Asp Lys Asp Ser Ile Phe Lys Leu Arg Asn Leu Ser Arg
145 150 155 160

Arg Thr Pro Lys Arg His Gly Leu His Leu Ser Xaa Glu Asn Gly Glu
165 170 175

Lys Ile Asn Met Lys
180

<210> 5153
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5153
Asn Lys Tyr Asn Met Tyr Ile Pro Asp Leu Leu Ser Ile Leu Tyr Lys
1 5 10 15

Val Ala Met Thr Lys Gly Ala Asn Lys Tyr Tyr Ile Ile Tyr Leu Ala
20 25 30

Phe Leu Leu His Glu Met Met Trp Val Xaa
35 40

<210> 5154
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5154
Glu Val Gly Phe Ser Leu Pro Ser Pro Gly Pro Val Cys Pro Tyr Pro
1 5 10 15

Arg Pro Ala Ser Cys Ala Gln Ile Leu Phe Cys Leu Trp Lys Leu Leu
20 25 30

Asp His Pro Arg Ser Ala Ala Cys Pro Asp Pro Tyr Pro Arg Ala Ser
35 40 45

Leu Ser Ser Trp Glu Ala Gly Gln Ala Pro Val Arg Phe Arg Cys Ala
50 55 60

Leu Cys Leu Ser Leu Asp Ser Arg Ala Asp Glu Pro Gln His His His
65 70 75 80

Pro Ala Thr Tyr Lys Val Gly Asp Leu Gly Leu Gly Ser Gln Ala Gln
85 90 95

Thr Gly Gly Pro His Ser Pro Leu Gly Pro Leu Pro Thr Pro Val Pro
100 105 110

Ser Val Pro Gln Ser Gly Gly Ala Ser Arg Ala Ile Ser Asp Xaa Ala
115 120 125

Gly Pro Arg
130

<210> 5155
<211> 65
<212> PRT
<213> Homo sapiens

<400> 5155
Ala Lys Pro Leu Lys Leu Lys His Ile Ser Tyr Leu Lys His Leu Gly
1 5 10 15

Asn Thr Thr Val Lys Tyr Leu Ser Asn Ile Gln Tyr Met Glu Phe Ile
20 25 30

Pro Thr Phe Val Cys Ile Ser Ile Cys Lys Leu Leu Leu Arg Arg Ile
35 40 45

Glu Ser Leu Asp Tyr Phe Arg Ile Gln Leu Leu Gln Phe Ser Ile Val
50 55 60

Asp
65

<210> 5156
<211> 31
<212> PRT
<213> Homo sapiens

<400> 5156
Val Gly Gly Pro Gln Ile Cys Arg Val Cys Gly Asp Arg Pro Trp Tyr
1 5 10 15

His Phe Asn Val Met Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg
20 25 30

<210> 5157
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5157
Ala Asp Ala Trp Ala Arg Ser Phe Leu Val Asp Ser Leu Val Leu Arg
1 5 10 15

Glu Ala Gly Glu Lys Lys Ala Pro Glu Gly Ser Pro Pro Pro Leu Phe
20 25 30

Pro Tyr Ala Val Pro Pro Pro His Ala Leu His Gly Leu Ser Pro Gly
35 40 45

Ala Cys His Ala Arg Lys Ala Gly Leu Leu Cys Val Cys Pro Leu Cys
50 55 60

Val Thr Ala Ser Gln Xaa His Gly Pro Pro Gly Pro Pro Arg Cys Leu
65 70 75 80

Tyr Ser Arg Leu Pro Ser His Pro Ser Ala Arg Ser Thr Ala Arg Ala
85 90 95

Pro Gly Pro Xaa Ala Leu Cys Xaa Val Ala Arg Gly
100 105

<210> 5158
<211> 438
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (299)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (397)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (413)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (428)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5158
Glu Ala Gln Ala Tyr Thr Ala Tyr Leu Ser Gly Met Leu Arg Phe Glu
1 5 10 15

His Gln Glu Trp Lys Ala Ala Ile Glu Ala Phe Asn Lys Cys Lys Thr
20 25 30

Ile Tyr Glu Lys Leu Ala Ser Ala Phe Thr Glu Glu Gln Ala Val Leu
35 40 45

Tyr Asn Gln Arg Val Glu Glu Ile Ser Pro Asn Ile Arg Tyr Cys Ala
50 55 60

Tyr Asn Ile Gly Asp Gln Ser Ala Ile Asn Glu Leu Met Gln Met Arg
65 70 75 80

Leu Arg Ser Gly Gly Thr Glu Gly Leu Leu Ala Glu Lys Leu Glu Ala
85 90 95

Leu Ile Thr Gln Thr Arg Ala Lys Gln Ala Ala Thr Met Ser Glu Val
100 105 110

Glu Trp Arg Gly Arg Thr Val Pro Val Lys Ile Asp Lys Val Arg Ile
115 120 125

Phe Leu Leu Gly Leu Ala Asp Asn Glu Ala Ala Ile Val Gln Ala Glu
130 135 140

Ser Glu Glu Thr Lys Glu Arg Leu Phe Glu Ser Met Leu Ser Glu Cys
145 150 155 160

Arg Asp Ala Ile Gln Val Val Arg Glu Glu Leu Lys Pro Asp Gln Lys
165 170 175

Gln Arg Asp Tyr Ile Leu Glu Gly Glu Pro Gly Lys Val Ser Asn Leu
180 185 190

Gln Tyr Leu His Ser Tyr Leu Thr Tyr Ile Lys Leu Ser Thr Ala Ile
195 200 205

Lys Arg Asn Glu Asn Met Ala Lys Gly Leu Gln Arg Ala Leu Leu Gln
210 215 220

Gln Gln Pro Glu Asp Asp Ser Lys Arg Ser Pro Arg Pro Gln Asp Leu
225 230 235 240

```
Ile Arg Leu Tyr Asp Ile Ile Leu Gln Asn Leu Val Glu Leu Leu Gln
                245                 250                 255

Leu Pro Gly Leu Glu Glu Asp Lys Ala Phe Gln Lys Glu Ile Gly Leu
            260                 265                 270

Lys Thr Leu Val Phe Lys Ala Tyr Arg Cys Phe Phe Ile Ala Gln Ser
        275                 280                 285

Tyr Val Leu Val Lys Lys Trp Ser Glu Ala Xaa Val Leu Tyr Asp Arg
    290                 295                 300

Val Leu Lys Tyr Ala Asn Glu Val Asn Ser Asp Ala Gly Ala Phe Lys
305                 310                 315                 320

Asn Ser Leu Lys Asp Leu Pro Asp Val Gln Glu Leu Ile Thr Gln Val
                325                 330                 335

Arg Ser Glu Lys Cys Ser Leu Gln Ala Ala Ala Ile Leu Asp Ala Asn
            340                 345                 350

Asp Ala His Gln Thr Glu Thr Ser Ser Ser Gln Val Lys Asp Asn Lys
        355                 360                 365

Pro Leu Val Glu Arg Phe Glu Thr Phe Cys Leu Gly Pro Phe Pro Cys
    370                 375                 380

Ser Pro Ser Lys Pro Thr Leu Trp His Phe Pro Pro Xaa Phe Gln Pro
385                 390                 395                 400

Phe Pro Trp Gln Gly Phe Cys Ser Leu Asp Trp Ala Xaa Lys Pro Cys
                405                 410                 415

Gly Leu Phe Pro Pro Leu Glu Gly Gln Val Trp Xaa Arg Lys Asp Gln
            420                 425                 430

Glu Trp Ala His Trp Val
        435
```

<210> 5159
<211> 275
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (184)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (265)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5159

```
Asp Pro Leu Val Leu Glu Arg Arg Ser Gly Asp Arg Asp Leu Glu Pro
  1               5                  10                  15

Asp Trp Leu Ala Gln Leu Arg Arg Gln Leu Glu Gln Lys Val Ala Gly
             20                  25                  30

Asp Ile Gly Asp Pro His Pro Thr Arg Ser Asp Ile Ser Gly Ala Gly
         35                  40                  45

Gly Thr Thr Thr Glu Asn Thr Phe Tyr Gln Asp Phe Ser Gly Cys Gln
     50                  55                  60

Gly Tyr Ser Glu Ala Pro Gly Tyr Arg Ser Ala Leu Trp Leu Thr Pro
 65                  70                  75                  80

Glu Gln Thr Cys Leu Leu Gln Pro Ser Pro Gln Gln Pro Phe Pro Leu
                 85                  90                  95

Gln Pro Gly Ser Tyr Pro Ala Gly Gly Gly Ala Gly Gln Thr Gly Thr
            100                 105                 110

Pro Arg Pro Phe Tyr Ser Val Pro Glu Thr His Leu Pro Gly Thr Gly
        115                 120                 125

Ser Ser Val Ala Val Thr Glu Ala Thr Gly Gly Thr Val Trp Glu Glu
    130                 135                 140

Met Leu Gln Thr His Leu Gly Pro Gly Xaa Asn Thr Val Ser Gln Glu
145                 150                 155                 160

Thr Ser Gln Pro Pro Asp Gly Gln Glu Val Ile Ser Lys Pro Gln Thr
                165                 170                 175

Pro Leu Ala Ala Xaa Pro Arg Xaa Phe Leu Arg Val Pro Pro Val Gln
```

BNSDOCID: <WO_ 0122920A2 I >

180 185 190

Pro Arg Arg Met Arg Arg Ser Pro Leu Met Arg Leu Ile Lys Thr Leu
195 200 205

Pro Glu Ile Leu Pro Arg Glu Ala Ser Ser Glu Met Gly Arg Ser Ile
210 215 220

Gln Arg Ala Gln Gly Leu Ala Gly Ser Ala Gly Phe Asp Arg Ser Pro
225 230 235 240

Pro Arg Thr His Pro Pro Leu Glu Thr Arg Thr Pro Gln Thr Ala Leu
245 250 255

Thr Leu Arg Arg Pro Pro Glu His Xaa Leu Pro Thr Arg Leu Ala Trp
260 265 270

Ala Phe His
275

<210> 5160
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5160
Leu Asp Val Asn Phe Gly Asp Thr Val Gln His Thr Pro Pro Arg Ala
1 5 10 15

```
Pro Arg Gly Gln Ser Gly Trp Lys Ala Glu Gly Pro Ser Thr Val Glu
            20                  25                  30

Ser Pro Arg Leu Arg Ser Asp Ser Leu Val Xaa Glu Val Phe Pro Gly
        35                  40                  45

Leu Gly Gln Gly Pro Val Ser Pro Glu Val Pro Gly Cys Pro Pro Ser
    50                  55                  60

Pro His Ser His Val Pro His Ala Gly Gln Ala Leu Leu Ser Arg Asp
65                  70                  75                  80

Thr Ala Phe Met Gly Arg His Arg Pro Leu Ser Gln Glu Pro Glu Val
                85                  90                  95

Gly Gly Leu Ala Ala Ser Gln Arg Arg Gly Lys Ile Pro Phe Pro Arg
            100                 105                 110

Ala Phe Gly His Trp Gly Arg Pro Trp Ala Arg Gln Gln Asp Gly Phe
        115                 120                 125

Xaa Thr Gly Xaa Val Ser Leu Gln Pro Arg Gly Gly Trp Phe Pro Trp
    130                 135                 140

Xaa Asn
145
```

<210> 5161
<211> 163
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5161

```
Val Lys Ile Glu Pro Glu Asp Leu Asp Ile Ile Gln Val Thr Val Pro
  1               5                  10                  15

Asp Pro Ser Pro Thr Ser Glu Glu Met Thr Asp Ser Met Pro Gly His
            20                  25                  30

Leu Pro Ser Glu Asp Ser Gly Tyr Gly Met Glu Met Leu Thr Asp Lys
        35                  40                  45

Gly Leu Ser Glu Asp Ala Arg Pro Glu Xaa Arg Pro Val Glu Asp Ser
    50                  55                  60
```

His Gly Asp Val Ile Arg Pro Leu Arg Lys Gln Val Glu Leu Leu Phe
65 70 75 80

Asn Thr Arg Tyr Ala Lys Ala Ile Gly Ile Ser Glu Pro Val Lys Val
85 90 95

Pro Tyr Ser Lys Phe Leu Met His Pro Glu Glu Leu Phe Val Val Gly
100 105 110

Leu Pro Glu Gly Ile Ser Leu Arg Arg Pro Asn Cys Phe Gly Ile Ala
115 120 125

Lys Leu Arg Lys Ile Leu Glu Ala Ser Asn Ser Ile Gln Phe Val Ile
130 135 140

Lys Arg Pro Glu Leu Leu Thr Glu Glu Ser Lys Ser Pro Ser Trp Ile
145 150 155 160

Val Asn Glu

<210> 5162
<211> 192
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5162
Lys Pro Thr Cys Asn Glu Leu Ile Lys Thr Ile Ile Ile Gln His Glu
1 5 10 15

Asn Ile Phe Pro Ser Pro Arg Xaa Leu Glu Gly Pro Val Tyr Ser Arg
20 25 30

Gly Gly Ser Met Glu Asp Tyr Cys Asp Ser Pro His Gly Glu Thr Thr
35 40 45

Ser Val Glu Asp Ser Thr Gln Asp Val Thr Ala Glu His His Thr Ser
50 55 60

Asp Asp Glu Cys Glu Pro Ile Glu Ala Ile Ala Lys Phe Asp Tyr Val
65 70 75 80

Gly Arg Thr Ala Arg Glu Leu Ser Phe Lys Lys Gly Ala Ser Leu Leu

85 90 95

Leu Tyr Gln Arg Ala Ser Asp Asp Trp Trp Glu Gly Arg His Asn Gly
100 105 110

Ile Asp Gly Leu Ile Pro His Gln Tyr Ile Val Val Gln Asp Thr Glu
115 120 125

Asp Gly Val Val Glu Arg Ser Ser Pro Lys Ser Glu Ile Glu Val Ile
130 135 140

Ser Glu Pro Pro Glu Glu Lys Val Thr Ala Arg Ala Gly Ala Ser Cys
145 150 155 160

Pro Ser Gly Gly His Val Ala Arg Tyr Leu Ser Cys Lys His Gln Gln
165 170 175

Ala Lys Glu Ala Ser Arg Ile Trp Glu Ala Ser Glu Asn Phe Ser Glu
180 185 190

<210> 5163
<211> 319
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5163
Ala Arg Ala Arg Ala Glu Phe Gly Thr Ser Ser Thr Asn Leu His Leu
1 5 10 15

Glu Ser Glu Leu Asp Ala Leu Ala Ser Leu Glu Asn His Val Lys Thr
20 25 30

```
Glu Pro Ala Asp Met Asn Glu Ser Cys Lys Gln Ser Gly Xaa Ser Ser
         35                  40                  45

Leu Val Asn Gly Xaa Ser Pro Ile Arg Ser Leu Met His Arg Ser Ala
     50                  55                  60

Arg Ile Gly Gly Xaa Gly Asn Asn Lys Asp Asp Asp Pro Asn Glu Asp
 65                  70                  75                  80

Trp Cys Ala Val Cys Gln Asn Gly Gly Asp Leu Leu Cys Cys Glu Lys
                 85                  90                  95

Cys Pro Lys Val Phe His Leu Thr Cys His Val Pro Thr Leu Leu Ser
            100                 105                 110

Phe Pro Ser Gly Asp Trp Ile Cys Thr Phe Cys Arg Asp Ile Gly Lys
        115                 120                 125

Pro Glu Val Glu Tyr Asp Cys Asp Asn Leu Gln His Ser Lys Lys Gly
    130                 135                 140

Lys Thr Ala Gln Gly Leu Ser Pro Val Asp Gln Arg Lys Cys Glu Arg
145                 150                 155                 160

Leu Leu Leu Tyr Leu Tyr Cys His Glu Leu Ser Ile Glu Phe Gln Glu
                165                 170                 175

Pro Val Pro Ala Ser Ile Pro Asn Tyr Tyr Lys Ile Ile Lys Lys Pro
            180                 185                 190

Met Asp Leu Ser Thr Val Lys Lys Lys Leu Gln Lys Lys His Ser Gln
        195                 200                 205

His Tyr Gln Ile Pro Asp Asp Phe Val Ala Asp Val Arg Leu Ile Phe
    210                 215                 220

Lys Asn Cys Glu Arg Phe Asn Glu Met Met Lys Val Val Gln Val Tyr
225                 230                 235                 240

Ala Asp Thr Gln Glu Ile Asn Leu Lys Ala Asp Ser Glu Val Ala Gln
                245                 250                 255

Ala Gly Lys Ala Val Ala Leu Tyr Phe Glu Asp Lys Leu Thr Glu Ile
            260                 265                 270

Tyr Ser Asp Arg Thr Phe Ala Pro Leu Pro Glu Phe Glu Gln Glu Glu
        275                 280                 285

Asp Asp Gly Glu Val Thr Glu Asp Ser Asp Glu Asp Phe Ile Gln Pro
    290                 295                 300
```

BNSDOCID: <WO___0122920A2 I_>

```
Arg Arg Lys Arg Leu Lys Ser Asp Glu Arg Pro Val His Ile Lys
305                 310                 315


<210> 5164
<211> 187
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5164
Arg Glu Gln Lys Leu Glu Leu His Arg Gly Xaa Gly Arg Ser Arg Thr
  1               5                  10                  15

Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Arg Thr Ser Gly Xaa
             20                  25                  30

Gly Asn Arg Ala Ala Asn Glu Glu Glu Thr Xaa Asn Lys Pro Lys Leu
         35                  40                  45

Asn Ile Gln Ile Lys Thr Leu Ala Asp Asp Val Arg Asp Arg Ile Thr
     50                  55                  60

Ser Phe Arg Lys Ser Thr Val Lys Lys Glu Lys Pro Leu Ile Gln His
 65                  70                  75                  80

Pro Ile Asp Ser Gln Val Ala Met Ser Glu Phe Pro Ala Ala Gln Pro
                 85                  90                  95

Leu Tyr Asp Glu Arg Ser Leu Asn Leu Ser Glu Lys Glu Val Leu Asp
            100                 105                 110

Leu Phe Glu Lys Met Met Glu Asp Met Asn Leu Asn Glu Glu Lys Lys
        115                 120                 125
```

BNSDOCID: <WO__ 0122920A2 I_>

```
Ala Pro Leu Arg Asn Lys Asp Phe Thr Thr Lys Arg Glu Met Val Val
    130                 135                 140

Gln Tyr Ile Ser Ala Thr Ala Lys Ser Ile Val Gly Ser Lys Val Thr
145                 150                 155                 160

Gly Gly Leu Lys Asn Ser Lys His Glu Cys Thr Leu Ser Ser Gln Glu
                165                 170                 175

Tyr Val His Glu Leu Arg Ser Gly Ile Phe Arg
            180                 185
```

<210> 5165
<211> 266
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (208)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (223)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5165

```
Thr His Thr Gly Glu Lys Ser Tyr Val Cys Ser Val Cys Gly Arg Gly
  1               5                  10                  15

Phe Ser Leu Lys Ala Asn Leu Leu Arg His Gln Arg Thr His Ser Gly
            20                  25                  30

Glu Lys Pro Phe Leu Cys Lys Val Cys Gly Arg Gly Tyr Thr Ser Lys
        35                  40                  45

Ser Tyr Leu Thr Val His Glu Arg Thr His Thr Gly Glu Lys Pro Tyr
    50                  55                  60

Glu Cys Gln Glu Cys Gly Arg Arg Phe Asn Asp Lys Ser Ser Tyr Asn
65                  70                  75                  80

Lys His Leu Lys Ala His Ser Gly Glu Lys Pro Phe Val Cys Lys Glu
                85                  90                  95

Cys Gly Arg Gly Tyr Thr Asn Lys Ser Tyr Phe Val Val His Lys Arg
            100                 105                 110
```

BNSDOCID: <WO___0122920A2_I_>

```
Ile His Ser Gly Glu Lys Pro Tyr Arg Cys Gln Glu Cys Gly Arg Gly
        115                 120                 125

Phe Ser Asn Lys Ser His Leu Ile Thr His Gln Arg Thr His Ser Gly
    130                 135                 140

Glu Lys Pro Phe Ala Cys Arg Gln Cys Lys Gln Ser Phe Ser Val Lys
145                 150                 155                 160

Gly Ser Leu Leu Arg His Gln Arg Thr His Ser Gly Glu Lys Pro Phe
                165                 170                 175

Val Cys Lys Asp Cys Glu Arg Ser Phe Ser Gln Lys Ser Thr Leu Val
            180                 185                 190

Tyr His Gln Arg Thr His Ser Gly Glu Lys Pro Phe Val Cys Arg Xaa
        195                 200                 205

Met Trp Ala Arg Ile Tyr Ser Glu Val Asn Pro Trp Glu Thr Xaa Asp
    210                 215                 220

His Thr Leu Arg Gly Glu Ala Phe Cys Val Gln Gly Cys Gly Gln Ala
225                 230                 235                 240

Leu Ser Lys Ser Gln Leu His Phe His Gln Arg Thr His Ser Glu Glu
                245                 250                 255

Lys Pro Tyr Gly Cys Arg Glu Cys Gly Arg
            260                 265
```

<210> 5166
<211> 128
<212> PRT
<213> Homo sapiens

<400> 5166

```
Leu Phe Met Ser Leu Leu Glu Asp Thr Leu Ser Lys Gln Lys Asn Pro
  1               5                  10                  15

Asp Val Arg Asn Ile Val Gln Gln Gln Phe Cys Gly Glu Tyr Ala Tyr
            20                  25                  30

Val Thr Val Cys Asn Gln Cys Gly Arg Glu Ser Lys Leu Leu Ser Lys
        35                  40                  45

Phe Tyr Glu Leu Glu Leu Asn Ile Gln Gly His Lys Gln Leu Thr Asp
    50                  55                  60

Cys Ile Ser Glu Phe Leu Lys Glu Glu Lys Leu Glu Gly Asp Asn Arg
```

65 70 75 80

Tyr Phe Cys Glu Asn Cys Gln Ser Lys Gln Asn Ala Thr Arg Lys Ile
85 90 95

Arg Leu Leu Ser Leu Pro Cys Thr Leu Asn Leu Gln Leu Met Arg Phe
100 105 110

Val Phe Asp Arg Gln Thr Gly His Lys Lys Lys Leu Asn Thr Tyr Ile
115 120 125

<210> 5167
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5167
Ala Gly Gly Gln Arg Gly Gly Ala Glu Ser Glu Arg Gln His Leu Gln
1 5 10 15

Gln Arg Val Leu Gly Glu Leu Cys Ser Arg Asn Thr Gly Gly Asp Ala
20 25 30

Ala Gly Ala Gln Arg Glu Asn Ala Thr Arg Arg Thr Ala Gly Thr Leu
35 40 45

Ser Leu Glu Ala Ser Gln Ala Leu Lys Glu Lys Ala Glu Leu Gln Ala
50 55 60

Gln Leu Ala Ala Leu Ser Thr Lys Leu Gln Ala Gln Val Glu Cys Ser
65 70 75 80

```
His Ser Ser Gln Gln Arg Gln Asp Ser Leu Ser Ser Glu Val Asp Thr
                 85                  90                  95

Leu Lys Gln Ser Cys Trp Asp Xaa Glu Arg Ala Met Xaa Asp Leu Ala
            100                 105                 110

Glu His Ala Gly Xaa Lys Lys Cys Gln Leu Ala Ser Phe Gln Gln Arg
        115                 120                 125
```

<210> 5168
<211> 141
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5168

```
Asn Leu Thr Asn Val Met Tyr Val Thr Asn Pro Ser Gly Met Val Pro
  1               5                  10                  15

Pro Leu Leu Tyr Ile Lys Gly Phe Ile Pro Glu Lys Asn His Met Asn
             20                  25                  30

Val Met Phe Ala Glu Lys Pro Ser Ala Ile Met His His Ser Leu Asn
         35                  40                  45

Ile Lys Glu Tyr Ile Leu Glu Lys Ser Leu Leu Ser Lys Glu Cys Gly
     50                  55                  60

Lys Ala Phe Arg Gln Asn Ile His Leu Ala Ser His Leu Arg Ile His
 65                  70                  75                  80
```

BNSDOCID: <WO__ 0122920A2 1 >

Thr Gly Glu Lys Pro Phe Glu Cys Xaa Glu Cys Gly Lys Ser Phe Ser
85 90 95

Ile Ser Ser Gln Leu Ala Thr His Gln Arg Ile His Thr Xaa Glu Lys
100 105 110

Pro Tyr Glu Cys Lys Val Cys Ser Lys Ala Phe Thr Gln Lys Val Xaa
115 120 125

Leu His Ser Ser Glu Asn Pro Thr Gly Glu Glu Thr Leu
130 135 140

<210> 5169
<211> 60
<212> PRT
<213> Homo sapiens

<400> 5169
Met Arg Ser His Cys Pro Lys Leu Trp Pro Phe Leu Cys Tyr Lys His
1 5 10 15

Ala Phe Leu Ser Tyr Lys Val Asn Gln Thr Ile Cys Asn Thr Val Leu
20 25 30

Gly Cys Asn Leu Cys Phe Cys Ser Thr Val Lys Ile Glu Asn Tyr Val
35 40 45

Val Cys Thr Val Leu Ile Lys Ile Leu Asp Phe Tyr
50 55 60

<210> 5170
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5170
Gln Leu Thr Thr Val Arg Arg Leu Leu Ser Glu Lys Ala Thr His Val
1 5 10 15

Asn Thr Arg Asp Glu Asp Glu Xaa Thr Pro Leu His Arg Ala Ala Tyr
20 25 30

```
Ser Gly His Leu Asp Ile Val Gln Glu Leu Ile Ala Gln Gly Ala Asp
         35                  40                  45

Val His Ala Val Thr Val Asp Gly Trp Thr Pro Leu His Ser Ala Cys
     50                  55                  60

Lys Trp Asn Asn Thr Arg Val Ala Ser Phe Leu Leu Gln His Asp Ala
 65                  70                  75                  80

Asp Ile Asn Ala Gln Thr Lys Gly Leu Leu Thr Pro Leu His Leu Ala
                 85                  90                  95

Ala Gly Asn Arg Asp Ser Lys Asp Thr Leu Glu Leu Leu Leu Met Asn
            100                 105                 110

Arg Tyr Val Lys Pro Gly Leu Lys Asn Asn Leu Glu Glu Thr Ala Phe
        115                 120                 125

Asp Ile Ala Arg Arg Thr Ser Ile Tyr His Tyr Leu Phe Glu Ile Val
    130                 135                 140

Glu Gly Cys Thr Asn Ser Ser Pro Gln Ser
145                 150
```

<210> 5171
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5171
Thr Xaa Gly Leu Xaa Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro
1 5 10 15

Gly Arg Pro Thr Arg Pro Xaa Lys Xaa Met Glu Lys Asp Pro Ser Arg
20 25 30

Leu Leu Leu Trp Ala Ala Glu Lys Asn Arg Val Lys Lys Lys Ile Thr
35 40 45

Glu Gly Ser Val Thr Val Gly Lys Ala Leu Gly Ser Ser Gln Lys Thr
50 55 60

Cys Leu Tyr Cys Tyr Gly His His Thr Tyr Leu Leu Ile Val Arg Thr
65 70 75 80

Lys

<210> 5172
<211> 52
<212> PRT
<213> Homo sapiens

<400> 5172
Met Cys Thr Arg Ser Leu Thr Ala Leu Ser Glu Pro Arg Thr Pro Gly
1 5 10 15

Pro Pro Gly Leu Thr Thr Thr Pro Ala Pro Pro Asp Lys Leu Gly Gly
20 25 30

Lys Gln Arg Ala Ala Phe Lys Ser Gly Lys Arg Val Gly Lys Pro Ser
35 40 45

Pro Lys Ala Ala
50

<210> 5173
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5173
Ala Cys Ala Pro Gly Ser Arg Arg Leu Leu Ser Ala Glu Gln Pro Phe
1 5 10 15

Gly His Pro Leu Pro Leu Lys Ile Cys Arg Leu Arg Leu Leu Ser Ala
20 25 30

Gly Ala Arg Pro Ser Arg Pro Gly Ala Gly Arg Ala Leu Ala Cys His
35 40 45

Ala Ala Arg Cys Xaa Gln Pro Gly Arg Trp Gly Arg Ala Val His Arg
50 55 60

Ala Arg Arg Ala Arg Leu Gly Ala Gly Thr Glu Pro Pro Trp Glu Val
65 70 75 80

Pro Arg Gln Leu Arg Cys Ser Pro Trp Leu Gln Pro Ser Pro Ala Ala
85 90 95

Xaa Leu Ala Glu Gln Xaa Arg His Trp Ala Pro Pro
100 105

<210> 5174
<211> 85
<212> PRT
<213> Homo sapiens

<400> 5174
Pro Arg Phe Ala Arg Ile Leu Leu Met Asp Leu Ser Val Thr Pro Val
1 5 10 15

Arg Gly His Leu Ser His Pro Val Pro Glu Cys Ser Pro His Pro His
20 25 30

Leu Trp Ser Arg Glu Val Phe Ala Pro Arg Ile Cys Pro Glu Leu Gly
35 40 45

His Gln Pro Leu Gln Val Trp Val Leu Leu Gln Asp Cys Val Glu Leu
50 55 60

Phe Leu Leu Lys Asn Phe Pro Gly Asp Asp His Ser Ala Trp Ser Leu
65 70 75 80

Gly Trp Ser Leu Val
85

<210> 5175
<211> 78
<212> PRT
<213> Homo sapiens

<400> 5175
Ser Gln Val Met Gly Thr Glu Arg Phe Ile Val Leu Phe Leu Phe Leu
1 5 10 15

Leu Tyr Gly Ser Ser Gln Ser Phe Asn Ser Met Ala Gln Val Thr Gln
20 25 30

Ser Arg Val Leu Arg Ala Cys Gly Leu Trp Gln His His Pro Gln Thr
35 40 45

Asp Thr Ala Glu Glu Pro Gly Ala Val Ser Cys Arg Cys Ala Trp Leu
50 55 60

Gly Thr Glu Trp Lys Ala Leu Gly Arg Ile Phe Ile Glu Val
65 70 75

<210> 5176
<211> 132
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5176
Leu Ser Thr Lys Ile Tyr Arg Ser Xaa Ser Ala Met Tyr Ser Arg Thr
1 5 10 15

Cys Gln Arg Asn Ser Lys Val Phe Ala Thr Val Ser Ser Pro Ala Ala
20 25 30

Ile Xaa Asp Asn Ser Pro Ala Xaa Xaa Asn Val Val Glu Thr Asn Pro
35 40 45

Phe Lys His Leu Thr His Leu Ser Leu Lys Leu Leu Pro Gly Asn Asp
50 55 60

Val Glu Ile Lys Lys Phe Leu Ala Gly Cys Leu Lys Cys Ser Lys Glu
65 70 75 80

Glu Lys Leu Ser Leu Met Gln Ser Leu Asp Asp Ala Thr Lys Gln Leu
85 90 95

Asp Phe Thr Arg Lys Thr Leu Ala Glu Lys Lys Gln Glu Leu Asp Lys
100 105 110

Leu Arg Asn Glu Trp Ala Ser His Thr Ala Ala Leu Thr Asn Lys His
115 120 125

Ser Gln Glu Leu
130

<210> 5177
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5177
Pro Ala Gln Leu Leu Tyr Glu Leu Ala Lys Leu Ala Gln Val Asn Val
1 5 10 15

Glu Phe Ser Ala Arg Gln Leu Leu Ile Arg Thr Gly Arg Asp Gly Ser

BNSDOCID: <WO__ 0122920A2 I >

20 25 30

Tyr Thr Thr Thr Gly Asp Asn Ser Arg Leu Cys Arg Lys Phe Gln Asp
35 40 45

Leu Gly Ser Arg Thr Met His Asp Thr Gln Ser Xaa Ile Ala Gly Gly
50 55 60

Arg Ala Thr Val Lys Arg Pro Lys Ser Ile Lys Met Cys
65 70 75

<210> 5178
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5178
Phe Gly Thr Ser Arg Arg Arg Xaa Ala Lys Xaa Thr Leu Tyr Cys Arg
1 5 10 15

Val Phe Leu Leu Asp Gly Thr Glu Val Ser Val Asp Leu Pro Lys His
20 25 30

Ala Lys Gly Gln Asp Leu Phe Asp Gln Ile Val Tyr His Leu Asp Leu
35 40 45

Val Glu Thr Asp Tyr Phe Gly Leu Gln Phe Leu Asp Ser Ala Gln Val
50 55 60

Ala His Trp Leu Asp His Ala Lys Pro Ile Lys Lys Gln Met Lys Ile
65 70 75 80

Gly Pro Ala Tyr Ala Leu His Phe Arg Val Lys Tyr Tyr Ser Ser Glu
85 90 95

Pro Asn Asn Leu Arg Glu Glu Phe Thr Arg Tyr Leu Phe Val Leu Gln
100 105 110

Leu Arg His Asp Ile Leu Ser Gly Lys Leu Lys Cys Pro Tyr Glu Thr

BNSDOCID: <WO__0122920A2_I_>

115 120 125

Ala Val Glu Leu Ala Ala Leu Cys Leu Gln Ala Asp Phe Val
130 135 140

<210> 5179
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5179
Arg Arg His Leu Glu Ile Lys Xaa Leu Ile Met Leu Gln Tyr Cys Ile
1 5 10 15

Tyr Phe Ser Leu Tyr Thr Val Phe Phe Phe Val Ser Pro Glu Thr Ser
20 25 30

Phe Pro Phe Arg Phe Phe Ser Cys Ser Ile Lys Leu Ile Tyr Ile Ser
35 40 45

Thr Tyr Ser Asn Gly Val Leu Val Phe Val Ser
50 55

<210> 5180
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5180
Leu Pro Leu Arg Asn Lys Ile Leu Met Leu Ser Phe Asp Leu Arg Val
1 5 10 15

Gly Gly Leu Gly Pro Lys Ala Asp Arg Leu Glu Glu Leu Val Glu Glu
20 25 30

Leu Glu Ala Ala Pro Cys Cys Pro Leu Leu Glu Val Gly Ser Val Leu
35 40 45

Asp Leu Leu Val Gln Leu Ala Gly Ser Gly Pro Pro Gln Val Leu Pro
50 55 60

Arg Lys Arg Asp Tyr Phe Leu Asn Asn Lys His Val Gly Arg Asn Val
65 70 75 80

Pro Tyr Ser Gly Tyr Asp Cys Asp Asp Leu Xaa Val Phe Glu Met Asp
85 90 95

Val Gln Ser Leu Ile Xaa Arg Xaa Glu
100 105

<210> 5181
<211> 217
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (196)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (214)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5181

```
Val Lys Ile Asn Arg Lys Thr Ala Phe Gly Thr Thr Thr Leu Val Leu
 1               5                  10                  15

Thr Asp Phe Ser Asn Lys Ser Ser Thr Leu Glu Arg Lys Thr Lys Gln
            20                  25                  30

Asn Gln Ile Leu Asp Glu Glu Phe Gln Asn Ser Pro Pro Ala Ser Val
        35                  40                  45

Cys Leu Asn Asp Ile Gln Xaa Pro Ser Lys Lys Thr Thr Asn Asp Ile
    50                  55                  60

Thr Gln Leu Xaa Ser Ile Val Asn Ile Ser Pro Thr Ile Ser Ser Glu
65                  70                  75                  80

Ser Lys Leu Phe Ser Pro Ala His Lys Lys Pro Lys Thr Ala His Tyr
                85                  90                  95

Ser Ser Pro Glu Leu Lys Ser Cys Asn Pro Gly Tyr Ser Asn Ser Glu
            100                 105                 110

Leu Gln Ile Asn Met Thr Asp Gly Pro Arg Thr Leu Asn Pro Asp Ser
        115                 120                 125

Pro Arg Cys Ser Lys His Asn Arg Leu Cys Ile Leu Arg Val Val Arg
    130                 135                 140

Lys Asp Gly Glu Asn Lys Gly Arg Ala Val Leu Cys Leu Ser Ser Tyr
145                 150                 155                 160

Leu Gly Gly Arg His Asn Val Gly Phe Phe Trp Asn Gly Ala Asp Phe
                165                 170                 175

Val Pro Phe Pro Phe Trp Gln Pro Gly Ala Arg Arg Phe Pro Pro Trp
            180                 185                 190

Lys Thr Val Xaa Gly Arg Phe Gly Thr Leu Thr Leu Gly Lys Gly Phe
        195                 200                 205

Phe Phe Cys Cys Gly Xaa Leu Trp Gly
    210                 215
```

<210> 5182
<211> 150
<212> PRT
<213> Homo sapiens

<400> 5182
Asn Ile Pro Gly Ser Gly His His Ala Phe Cys Lys Pro Pro Trp Gly

BNSDOCID: <WO_ 0122920A2 I >

```
  1               5                  10                  15

Ala Ala Glu Leu Asp Met Gly Arg Arg Asp Ala Gln Leu Leu Ala Ala
            20                  25                  30

Leu Leu Val Leu Gly Leu Cys Ala Leu Ala Gly Ser Glu Lys Pro Ser
        35                  40                  45

Pro Cys Gln Cys Ser Arg Leu Ser Pro His Asn Arg Thr Asn Cys Gly
    50                  55                  60

Phe Pro Gly Ile Thr Ser Asp Gln Cys Phe Asp Asn Gly Cys Cys Phe
65                  70                  75                  80

Asp Ser Ser Val Thr Gly Val Pro Trp Cys Phe His Pro Leu Pro Lys
                85                  90                  95

Gln Glu Ser Asp Gln Cys Val Met Glu Val Ser Asp Arg Arg Asn Cys
            100                 105                 110

Gly Tyr Pro Gly Ile Ser Pro Glu Glu Cys Ala Ser Arg Lys Cys Cys
        115                 120                 125

Phe Ser Asn Phe Ile Phe Glu Val Pro Trp Cys Phe Phe Pro Lys Ser
    130                 135                 140

Val Glu Asp Cys His Tyr
145                 150
```

<210> 5183
<211> 60
<212> PRT
<213> Homo sapiens

<400> 5183

```
Asn Ser Met Thr Lys Gly Leu Ile Gln Gly Glu Lys Gly Tyr Met Lys
  1               5                  10                  15

Thr His Ser Ser Leu Phe Tyr Ser Leu Pro Trp Leu Glu Ile Asn Arg
            20                  25                  30

His Ile Val Leu Phe Ile Met Gly Arg Lys Val Gly Lys Asp His Leu
        35                  40                  45

Ser Ala Tyr Gly Val Leu Ala Leu Ala His Gly Glu
    50                  55                  60
```

<210> 5184
<211> 60
<212> PRT
<213> Homo sapiens

<400> 5184
Leu Ala Ile Asp Ser Thr Gly Leu Lys His Thr Ile Lys Cys Ile His
1 5 10 15

Asp Ile Val His Thr Gln Lys Pro Pro Leu Ile Ile Glu Ile Thr Cys
20 25 30

Ile Leu Phe Gly Asn His Leu Ser Leu Val Leu Lys Tyr Tyr Ile Phe
35 40 45

Cys Ala Ser Met Tyr Phe Ser Ile Tyr Lys Pro Met
50 55 60

<210> 5185
<211> 52
<212> PRT
<213> Homo sapiens

<400> 5185
Leu Gln Phe Ile Lys Leu Ile Thr Arg Gln Asn Tyr Ile Phe Lys Met
1 5 10 15

Ser Lys Gly Leu Asn His Glu Lys Asn Ser Ser Thr Leu Leu Pro Asn
20 25 30

Tyr Cys Phe Gln Asp Ser Gln Ser Met Leu Tyr Ile His Leu Tyr Phe
35 40 45

Ser Leu Tyr Ile
50

<210> 5186
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5186

```
Tyr Cys Tyr Ser Arg Thr Val Leu Ile Val Cys Ile Leu Lys Arg Cys
  1               5                  10                  15

Asp Ser Gly Leu Ile Phe Ile Ser Val Ile Leu Lys Gly Trp Val Trp
             20                  25                  30

Phe Tyr Arg Val Phe Cys Ile Leu Val Gly Ile His Lys Tyr Gln Met
         35                  40                  45

Cys Cys Ile Ile Lys Ile Thr Leu Thr Phe Xaa Lys Lys Lys Lys Lys
     50                  55                  60

Lys Lys Lys Lys Lys
 65
```

<210> 5187
<211> 123
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5187

```
His Glu Leu Thr Arg Asn Gly Gly Gly Gly Gly Ala Ala Leu Gly Gly
  1               5                  10                  15
```

```
Glu Glu Gly Ala Ala Thr Arg Pro Arg Ala Ala Pro Gly Pro Gly Leu
            20                  25                  30

Arg Met Glu Pro Phe Arg Arg Arg Leu Tyr Ala Gly Pro Gln Arg Arg
        35                  40                  45

Pro Thr Arg Ala Asp Pro Arg His Pro Arg Phe Lys Glu Pro Ser Pro
    50                  55                  60

Gly Leu Gly Pro Trp Pro Leu Thr Arg Gln Gly Thr Ala Leu Gly Gly
65                  70                  75                  80

Leu Val Cys Arg Gly Xaa Pro Ala Ala Xaa Xaa His Gly Tyr Leu Ala
                85                  90                  95

Lys Lys Leu His Ser Pro Ser Asp Gln Phe Pro Pro Arg Ala Lys Asn
            100                 105                 110

Pro Glu Leu Glu Xaa Asn Ser Leu Xaa Phe Leu
        115                 120
```

<210> 5188
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5188

```
Lys Cys Tyr Ile Leu Leu Gly Tyr Arg Gly Ala Gly Glu Thr Ala Glu
  1               5                  10                  15

Glu Arg Lys Asn Met Trp Lys Thr Pro Arg Ser Ser Lys Phe Tyr Pro
            20                  25                  30

Glu Phe Tyr Leu Pro Cys Met Phe Cys Leu Arg His Phe Ser Cys Asp
        35                  40                  45

Ile Arg Lys Ala Ile Ser Lys Gly Xaa Phe Phe Val Ala Lys Ile Tyr
    50                  55                  60

Phe Thr Leu
65
```

<210> 5189
<211> 57
<212> PRT
<213> Homo sapiens

<400> 5189
Pro Leu Pro Asn Ser Pro Ala Tyr Phe Tyr Ala Thr Phe Pro Phe Thr
1 5 10 15

Leu Tyr Ser Leu Ala Ile Phe Asp Ser Ser His Phe Leu Thr Pro Val
20 25 30

Phe Ser Gln Tyr Asn Val His Thr Phe Ile Thr Leu Ile Pro Leu Tyr
35 40 45

Cys Ile Leu Trp Phe Ala Phe Pro His
50 55

<210> 5190
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5190
Leu Leu Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu
1 5 10 15

Arg Pro Pro Pro Arg Trp Ser Ser Ser Phe Val Pro Leu Val Arg Xaa
20 25 30

Gly Val Ala
35

<210> 5191
<211> 19
<212> PRT
<213> Homo sapiens

<400> 5191
Leu Ile Lys Leu Thr Ser Lys Gln Met Ile Thr Ile His Asn Thr Lys
1 5 10 15

BNSDOCID: <WO___0122920A2_I_>

Gly Arg Thr

<210> 5192
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5192
Ile Phe Leu Glu Gly Phe His Glu Ile Ser Pro Ser His Ile Ser Ser
1 5 10 15

Val Gln Tyr Lys Met Gln Lys Cys Leu Leu Xaa Lys Thr Gly Asp Leu
20 25 30

Ile Thr Thr Thr Leu Gly Ile Ser Gln Leu Pro Leu Gly Thr Gln Pro
35 40 45

Pro Xaa Val Glu Thr Cys Leu Asp Trp His Ser Gly Ser Thr
50 55 60

<210> 5193
<211> 326
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (173)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (174)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (228)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (273)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (281)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5193

```
Leu Pro Gln Arg Cys His Gly Val Leu Arg Arg Arg Lys Asp Trp Asn
  1               5                  10                  15

Val Arg Leu Gln Ala Phe Phe Thr Ser Asp Thr Gly Leu Glu Tyr Glu
             20                  25                  30

Ala Pro Lys Leu Tyr Pro Ala Ile Pro Ala Ala Arg Arg Arg Pro Ile
         35                  40                  45

Arg Val Leu Ser Leu Phe Asp Gly Ile Ala Thr Gly Tyr Leu Val Leu
     50                  55                  60

Lys Glu Leu Gly Ile Lys Val Gly Lys Tyr Val Ala Ser Glu Val Cys
 65                  70                  75                  80

Glu Glu Ser Ile Ala Val Gly Thr Val Lys His Glu Gly Asn Ile Lys
                 85                  90                  95

Tyr Val Asn Asp Val Arg Asn Ile Thr Lys Lys Asn Ile Glu Glu Trp
            100                 105                 110

Gly Pro Phe Asp Leu Val Ile Gly Gly Ser Pro Cys Asn Asp Leu Ser
        115                 120                 125

Asn Val Asn Pro Ala Arg Lys Gly Leu Tyr Glu Gly Thr Gly Arg Leu
    130                 135                 140

Phe Phe Glu Phe Tyr His Leu Leu Asn Tyr Ser Arg Pro Lys Glu Gly
145                 150                 155                 160

Asp Asp Arg Pro Phe Phe Trp Met Xaa Glu Asn Val Xaa Xaa Met Lys
```

BNSDOCID: <WO__ 0122920A2_I_>

165 170 175

Val Gly Asp Lys Arg Asp Ile Ser Arg Phe Leu Glu Cys Asn Pro Val
180 185 190

Met Ile Asp Ala Ile Lys Val Ser Ala Ala His Arg Ala Arg Tyr Phe
195 200 205

Trp Gly Asn Leu Pro Gly Met Asn Arg Pro Val Ile Ala Ser Lys Asn
210 215 220

Asp Lys Leu Xaa Leu Gln Asp Cys Leu Glu Tyr Asn Arg Ile Ala Lys
225 230 235 240

Leu Lys Lys Val Gln Thr Ile Thr Thr Lys Ser Asn Ser Ile Lys Gln
245 250 255

Gly Lys Asn Gln Leu Phe Pro Val Val Met Asn Gly Lys Glu Asp Val
260 265 270

Xaa Trp Cys Thr Glu Leu Glu Arg Xaa Phe Gly Phe Pro Val His Tyr
275 280 285

Thr Asp Val Ser Asn Met Gly Arg Gly Ala Arg Gln Lys Leu Leu Gly
290 295 300

Arg Ser Trp Ser Val Pro Val Ile Arg His Leu Phe Ala Pro Leu Lys
305 310 315 320

Asp Tyr Phe Ala Cys Glu
325

<210> 5194
<211> 78
<212> PRT
<213> Homo sapiens

<400> 5194
Gly His Leu Pro Ser Leu Ile Leu Ser Leu Gln Leu Leu Gly Gln Leu
1 5 10 15

Ser Leu Pro Gln Arg Leu Phe Phe Cys Leu Ser Pro Phe Gly Ile Ser
20 25 30

His Leu Glu Gly Ile Cys Lys Gly His Ser Val Leu Glu Gln Gly Asn
35 40 45

Val Ala Ser Ser Ala Gln Thr Ser Leu Ser His Leu Gln Leu Arg Leu
50 55 60

BNSDOCID: <WO__0122920A2_I_>

Gly Met Arg Gly Thr Asp Leu Ala Leu Thr Pro Gly Arg Phe
65 70 75

<210> 5195
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5195
Xaa Xaa Pro Ser Leu Xaa Glu Gln Ser Trp Xaa Ser Thr Ala Val Ala
1 5 10 15

Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
20 25 30

Ala Glu Leu Asp Ile Phe Phe Lys Asn Lys Ile Arg Cys Gln Pro Ser
35 40 45

Lys Met Phe Leu
50

<210> 5196
<211> 37
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5196
Val Ile Phe Leu Ala Ser Gly Asn Asp Gly Gly Ala Leu Thr Arg Val
1 5 10 15

Tyr Cys Gly Met Leu Leu Leu Lys Xaa Arg Arg Glu Leu Ala Arg Arg
20 25 30

Arg Gly Ser Arg Leu
35

<210> 5197
<211> 66
<212> PRT
<213> Homo sapiens

<400> 5197
Asp Ala Asp His Leu Leu Gln Asn Ser Tyr Leu Glu Gln Phe Lys Leu
1 5 10 15

Leu Val Pro Val Asn Lys Asn Thr Asp Gln Asn Ala Leu His Val Ala
20 25 30

Tyr Thr Val Gly Ser Leu His Ala Val Leu Asp Met Phe Ile Ser Thr
35 40 45

Leu Asn Ala Met Lys Cys Phe Ile Asn Lys Lys Pro Leu Tyr Ile Lys
50 55 60

Leu Leu
65

<210> 5198
<211> 38
<212> PRT
<213> Homo sapiens

<400> 5198
Cys Glu Ala Cys Thr Gly Lys Ala Pro Arg Ser Gly Gly Ile Pro Glu
1 5 10 15

Glu Met Pro Glu Leu Lys Asp Cys Gly Trp Gly Lys Arg Ser Pro Ser
20 25 30

Lys Glu Ala Val Cys Gly
35

<210> 5199
<211> 102
<212> PRT
<213> Homo sapiens

<400> 5199
Asp Val Glu Ile Val Pro Val Leu Gly Asn Tyr Phe Pro Leu Pro Gly
1 5 10 15

Tyr Gly Lys Glu Asp Val Ile Val Asn Asn Ile His His Pro Val Phe
20 25 30

Asn Val Leu Gln Gln Cys Ser Asn Leu Phe Phe Ser Phe Val Pro Thr
35 40 45

Ala Phe Val Tyr Ile Glu Asn Leu Lys Ile Ser Pro Ser Leu Leu Glu
50 55 60

Val Lys Met Phe Pro Asn Leu Leu Asn Met Pro Leu Phe Thr Ile Cys
65 70 75 80

Phe Phe Arg Leu Phe Leu Met His Tyr Arg Ile Lys Tyr Asp Phe Val
85 90 95

Tyr Phe Tyr Tyr Ser Met
100

<210> 5200
<211> 78
<212> PRT
<213> Homo sapiens

<400> 5200
Phe Leu His His Lys Leu Tyr Leu Asn Val Gly Ala Val Ser Gly Cys
1 5 10 15

Phe Leu Pro His Gly Glu Thr Trp Ser Ala Val Arg Glu Lys Asn Glu
20 25 30

Ala Met Met Lys Ala Lys Ser Arg Lys Ser Pro Asp Cys Val Pro Val
35 40 45

Pro Gly Ser Ser Gly Leu His Val Gln Val His Leu Cys Pro Phe His

BNSDOCID: <WO___0122920A2_I_>

```
     50                  55                  60

Val Leu Ile Val Glu Phe Phe Cys Glu Ile Leu Gln Ile Ser
 65                  70                  75



<210> 5201
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5201
Ala His Xaa Ser Ala Arg His Ser Cys Pro Gly Asn Val Ala Ala Arg
  1               5                  10                  15

Asn Trp Trp Val Ser Asn Asn Ile Leu Trp
             20                  25



<210> 5202
<211> 303
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (257)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5202
Val Asn Glu Ile Met Ile Leu Glu Gly Gly Gly Val Met Asn Leu Asn
  1               5                  10                  15

Pro Gly Asn Asn Leu Leu His Gln Pro Pro Ala Trp Thr Asp Ser Tyr
             20                  25                  30

Ser Thr Cys Asn Val Ser Ser Gly Phe Phe Gly Gly Gln Trp His Glu
         35                  40                  45

Ile His Pro Gln Tyr Trp Thr Lys Tyr Gln Val Trp Glu Trp Leu Gln
     50                  55                  60

His Leu Leu Asp Thr Asn Gln Leu Asp Ala Asn Cys Ile Pro Phe Gln
 65                  70                  75                  80
```

Glu Phe Asp Ile Asn Gly Glu His Leu Cys Ser Met Ser Leu Gln Glu
85 90 95

Phe Thr Arg Ala Ala Gly Thr Ala Gly Gln Leu Leu Tyr Ser Asn Leu
100 105 110

Gln His Leu Lys Trp Asn Gly Gln Cys Ser Ser Asp Leu Phe Gln Ser
115 120 125

Thr His Asn Val Ile Val Lys Thr Glu Gln Thr Glu Pro Ser Ile Met
130 135 140

Asn Thr Trp Lys Asp Glu Asn Tyr Leu Tyr Asp Thr Asn Tyr Gly Ser
145 150 155 160

Thr Val Asp Leu Leu Asp Ser Lys Thr Phe Cys Arg Ala Gln Ile Ser
165 170 175

Met Thr Thr Thr Ser His Leu Pro Val Glu Ser Pro Asp Met Lys Lys
180 185 190

Glu Gln Asp Pro Pro Ala Lys Cys His Thr Lys Lys His Asn Pro Arg
195 200 205

Gly Thr His Leu Trp Glu Phe Ile Arg Asp Ile Leu Leu Asn Pro Asp
210 215 220

Lys Asn Pro Gly Leu Ile Lys Trp Glu Asp Arg Ser Glu Gly Val Phe
225 230 235 240

Arg Phe Leu Lys Ser Glu Ala Val Ala Gln Leu Trp Gly Lys Lys Lys
245 250 255

Xaa Asn Ser Ser Met Thr Tyr Glu Lys Leu Ser Arg Ala Met Arg Tyr
260 265 270

Tyr Tyr Lys Arg Glu Ile Leu Glu Arg Val Asp Gly Arg Arg Leu Val
275 280 285

Tyr Lys Phe Gly Lys Asn Ala Arg Gly Trp Arg Glu Asn Glu Asn
290 295 300

<210> 5203
<211> 113
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5203
Arg Thr Ser Ile Leu Leu Lys Arg Ala Cys Arg Xaa Xaa Ser Leu Pro
1 5 10 15

Pro Thr Leu Ser His Leu Arg Leu His Leu Gln Leu Ala Pro Arg Ser
20 25 30

Cys Gly Asp Gly Ser Pro Trp Gln Pro Pro Ala Asp Leu Ser Gly Leu
35 40 45

Xaa Ile Glu Glu Val Ser Lys Ser Leu Arg Phe Ile Gly Leu Ser Glu
50 55 60

Asp Val Ile Ser Phe Phe Val Thr Glu Lys Ile Asp Gly Asn Leu Leu
65 70 75 80

Val Gln Leu Thr Glu Glu Ile Leu Ser Glu Asp Phe Lys Leu Ser Lys
85 90 95

Leu Gln Val Lys Lys Ile Met Gln Phe Ile Asn Gly Trp Arg Pro Lys
100 105 110

Ile

<210> 5204
<211> 46
<212> PRT
<213> Homo sapiens

<400> 5204
Lys Ser Pro Thr Met Phe Leu Asn Ser Lys Cys Lys Leu Ser Ala Arg
1 5 10 15

Val Asp Ile His Thr Ala Cys Phe His Met Trp His Phe Tyr Val Ser

20 25 30

Cys Trp Val Ile Val Leu Asp Trp Thr Val Lys Tyr Tyr Val
35 40 45

<210> 5205
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5205
Ala Pro Thr Met Ala Glu Thr Lys Leu Gln Leu Phe Val Lys Ala Ser
1 5 10 15

Glu Asp Gly Glu Ser Val Gly His Cys Pro Ser Tyr Leu Asp Ser Ala
20 25 30

Met Gln Glu Lys Glu Phe Lys Tyr Thr Cys Pro His Ser Ala Glu Ile
35 40 45

Leu Ala Ala Tyr Arg Pro Xaa Val His Pro Arg
50 55

<210> 5206
<211> 44
<212> PRT
<213> Homo sapiens

<400> 5206
Pro Gln Leu Ala Glu Lys Ala Ile Leu Lys Thr Phe Pro Thr Ala Tyr
1 5 10 15

Leu Cys Glu Val Asn Leu Leu Gln Gln Lys Ser Leu Asp Val Glu Ala
20 25 30

Ala Val Arg Ile Gln Leu Phe Ile Ile Thr Arg Tyr
35 40

<210> 5207
<211> 49

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5207
Asp Ser Lys Leu Glu Gly Phe Glu Glu Lys Glu Val Glu Val Phe Cys
1 5 10 15

Lys Arg Thr Leu Ile Leu Leu Leu Glu Ala Val Xaa Arg Ala Leu Arg
20 25 30

Val Glu Asn Xaa Ser Ala Leu Lys Gly Arg His Glu Lys Gln Gln His
35 40 45

Gln

<210> 5208
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5208
Lys Gln Lys Arg Val Pro Val Lys Trp Ile Lys Gln Thr Gly Lys Asp
1 5 10 15

Glu Ala Cys Xaa Ala Gly Gly Ala Glu Ser Gln Pro Ala Ser Ser Val
20 25 30

Val Ile Leu Leu Asn Leu Tyr Gln Ser Phe Gln Asn Arg Gly Gly Met
35 40 45

Asp Leu Pro Leu Cys Asp Ala Arg Ser Gln Arg Trp Asp Ser Val Ile
50 55 60

Gly Leu Cys
65

<210> 5209
<211> 103
<212> PRT
<213> Homo sapiens

<400> 5209
Arg Glu Lys His Arg Trp Val Ser Pro Arg His Ser Ser Leu Gln Arg
1 5 10 15

Cys Leu His Arg Ala Asn Pro Ala Phe Leu Lys Gly Ala Phe Pro His
20 25 30

Leu Met Cys Leu Ser Ala Ser Phe Phe Arg Gln Glu Phe Lys Ser Ile
35 40 45

Phe Lys Ile Asp Arg Phe Trp Cys Ser Phe Ala Ser Phe Arg Gly Arg
50 55 60

Leu Ser Pro Ala Ser Gly Ile His Pro His Val Gly Thr Arg Ser Ala
65 70 75 80

Ala Gly Ser His Val Tyr Glu Met Leu Val Val Phe Phe Phe Phe Ser
85 90 95

Phe Ile Leu Glu Val Phe Leu
100

<210> 5210
<211> 92
<212> PRT
<213> Homo sapiens

<400> 5210
Gly Arg Val Tyr Cys Leu Phe Lys Trp His Asn Phe Lys Gly Leu Arg
1 5 10 15

Val Gln Ser Leu Asn Leu Pro Arg Glu Gly Ala Pro Lys Leu Ser Ser
20 25 30

Pro His Thr Ser Gly Phe Leu Cys Gly Gly Gly Ala Gly Ile Ser Lys
35 40 45

Leu Trp Cys Glu Arg Val Gly Glu Met Leu Glu Val Gly Val Leu Cys
50 55 60

```
Ser Arg Pro Pro Ile Leu Ser Gln Cys Pro Leu Pro Pro Ser Ser Pro
 65                  70                  75                  80

Thr Pro Cys Pro Gln Phe Cys Gly Ala Ser Arg Leu
                 85                  90
```

<210> 5211
<211> 257
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5211

```
Gly Ala Val Gly Leu Gly Gly Gln Glu Leu Gln Tyr Gly His Gly Leu
  1               5                  10                  15

Ser Arg Leu Ser Thr Ser Ala Phe Arg Ala Tyr Gly Gln Gly Thr Leu
             20                  25                  30

Tyr Asp Ser Pro Leu Leu Gln Val Ser Ile His Leu Gly Tyr Gly Ile
         35                  40                  45

Tyr Arg Pro Val Ser Leu Gly Ser His Ala Leu Phe Pro Phe Leu Ser
     50                  55                  60

Trp Leu Asp Gln Pro Leu Trp Asp Gln His Pro Xaa His Thr Pro Pro
 65                  70                  75                  80

Asp Cys Ser Ser Ile Thr Arg Ile Ala Leu Tyr Phe Val Gln Lys Gly
                 85                  90                  95

Leu Ala Val Pro Cys Cys Phe His Leu Cys Lys Pro Ile Val Pro Leu
            100                 105                 110
```

BNSDOCID: <WO___0122920A2 1 >

Ala Ala Val Cys Val Arg Val His Val Cys Val Phe His Leu Xaa Ile
115 120 125

His Cys Thr Arg Tyr Leu Xaa Ser Ala His Tyr Val Pro Gly Thr Val
130 135 140

Ala Glu Phe Leu Trp Val Cys Leu Ser Met Pro Leu Leu Leu Leu Trp
145 150 155 160

Gly Pro Leu Ser Val Leu Leu Phe Val Pro Lys Leu Leu Pro Leu Cys
165 170 175

Gln Ser Gly Cys Leu Arg Phe Cys Val Ser Leu Cys Ala Phe Leu Ser
180 185 190

Leu Ser Val Leu Val Ser Leu Gln Gly Pro Leu Phe Leu Ser Phe Leu
195 200 205

Val Ser Val Leu Cys Pro Leu Cys Pro Leu Asp Ser Leu Gly Leu Cys
210 215 220

Arg Pro Leu Val Cys Pro Gly Ser Ser Ala Phe Leu Thr Ser Ser Cys
225 230 235 240

Pro Pro Leu His Ser Leu Leu Leu Cys Ser Arg Phe Pro Arg Ser His
245 250 255

Phe

<210> 5212
<211> 73
<212> PRT
<213> Homo sapiens

<400> 5212
Ile Thr Cys Ser Asp Leu Ile Thr Phe Asp Lys Phe Glu Lys Phe Val
1 5 10 15

Phe Gln Thr Glu Pro Val Ser Ile Asn Glu Glu Asn Glu Gly Phe Glu
20 25 30

His Asn Thr Gln Val Arg Asn Gln Gly Ile Ile Ala Leu Ser Tyr Arg
35 40 45

Asp Trp Glu Val Lys Leu Cys Leu Leu Pro Leu His Ser Ser Asp Ser
50 55 60

Ala Phe Thr Cys Ser Lys Pro Ser Ala

65 70

<210> 5213
<211> 41
<212> PRT
<213> Homo sapiens

<400> 5213
Arg Leu Met Thr Ala Phe Leu Arg Ile Ala Asn Arg Gly Gln Arg Gly
1 5 10 15

Gly Ser Gln His Phe Gly Arg Pro Arg Arg Val Asp His Glu Val Arg
20 25 30

Ser Ser Arg Thr Ala Trp Pro Arg Trp
35 40

<210> 5214
<211> 79
<212> PRT
<213> Homo sapiens

<400> 5214
Met Leu Ile Asp Asp Glu Asn Leu Val Gly Cys Arg Ala Gln Phe Arg
1 5 10 15

Arg Ser Glu Leu Gly Val Gly Asp Arg Phe Gly Gly Gly Ile Ser Gln
20 25 30

Leu Phe Pro Pro Leu Asn Ser Glu Glu Cys Ser Tyr Ala Arg Ser Gln
35 40 45

Arg Arg Ala Thr Arg Ser Phe Cys Phe Gly Asp Asn Trp Ser Val Glu
50 55 60

Ser Pro Arg Ser Ser Phe Val Ala Phe Cys Ile Leu Leu Pro Gly
65 70 75

<210> 5215
<211> 290
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5215

```
Gln Ser Xaa Tyr Xaa Asn Ser Gly Gln Xaa Asp Ala Ala Arg Gly Thr
 1               5                  10                  15

Arg Val Gly Arg Val Arg Leu Trp Lys Arg Ala Ala Ala Ala His Asn
            20                  25                  30

Met His Ser Leu Ala Thr Ala Ala Pro Val Pro Thr Thr Leu Ala Gln
        35                  40                  45

Val Asp Arg Glu Lys Ile Tyr Gln Trp Ile Asn Glu Leu Ser Ser Pro
    50                  55                  60

Glu Thr Arg Glu Asn Ala Leu Leu Glu Leu Ser Lys Lys Arg Glu Ser
65                  70                  75                  80

Val Pro Asp Leu Ala Pro Met Leu Trp His Ser Phe Gly Thr Ile Ala
                85                  90                  95

Ala Leu Leu Gln Glu Ile Val Asn Ile Tyr Pro Ser Ile Asn Pro Pro
            100                 105                 110

Thr Leu Thr Ala His Gln Ser Asn Arg Val Cys Asn Ala Leu Ala Leu
        115                 120                 125

Leu Gln Cys Val Ala Ser His Pro Glu Thr Arg Ser Ala Phe Leu Ala
    130                 135                 140

Ala His Ile Pro Leu Phe Leu Tyr Pro Phe Leu His Thr Val Ser Lys
145                 150                 155                 160

Thr Arg Pro Phe Glu Tyr Leu Arg Leu Thr Ser Leu Gly Val Ile Gly
                165                 170                 175

Ala Leu Val Lys Thr Asp Glu Gln Glu Val Ile Asn Phe Leu Leu Thr
            180                 185                 190

Thr Glu Ile Ile Pro Leu Cys Leu Arg Ile Met Glu Ser Gly Ser Glu
```

195 200 205

Leu Ser Lys Thr Val Ala Thr Phe Ile Leu Gln Lys Ile Leu Leu Asp
210 215 220

Asp Thr Gly Leu Ala Tyr Ile Cys Gln Thr Tyr Glu Arg Phe Ser His
225 230 235 240

Val Ala Met Ile Leu Gly Lys Met Val Leu Gln Leu Ser Lys Glu Pro
245 250 255

Ser Ala Arg Leu Leu Lys His Val Val Arg Cys Tyr Leu Arg Leu Ser
260 265 270

Asp Asn Pro Arg Phe Ser Asp Leu Thr Phe Cys Trp Ser Ser Phe Gln
275 280 285

Arg Lys
290

<210> 5216
<211> 60
<212> PRT
<213> Homo sapiens

<400> 5216
Ala Arg Phe Ala Arg Ser Ala His Glu Gly Lys Met Pro Lys Lys Lys
1 5 10 15

Thr Gly Ala Arg Lys Lys Ala Glu Asn Arg Arg Glu Arg Glu Lys Gln
20 25 30

Leu Arg Ala Ser Arg Ser Thr Ile Asp Leu Ala Lys His Pro Cys Asn
35 40 45

Ala Ser Met Val Ser Ala Phe Phe Asp Ile Ser Trp
50 55 60

<210> 5217
<211> 93
<212> PRT
<213> Homo sapiens

<400> 5217
Glu Ser Ile Gln His Asn Asn Val Leu Lys Pro Ile Asn Leu Leu Ser
1 5 10 15

BNSDOCID: <WO__ 0122920A2_I_ >

```
Gln Gln Met Lys Pro Gly Met Lys Arg Gln Arg Ser Leu Tyr Arg Glu
            20                  25                  30

Ile Leu Phe Leu Ser Leu Val Ser Leu Gly Arg Glu Asn Ile Asp Ile
        35                  40                  45

Glu Ala Phe Asp Asn Glu Tyr Gly Ile Ala Tyr Asn Ser Leu Ser Ser
    50                  55                  60

Glu Ile Leu Glu Arg Leu Gln Lys Ile Asp Ala Pro Pro Ser Ala Ser
65                  70                  75                  80

Val Glu Trp Cys Arg Lys Cys Phe Gly Ala Pro Leu Ile
                85                  90
```

<210> 5218
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5218

```
Asn Thr Lys Thr Asn Lys Gln Xaa Lys Asn Gln Asn Ala Leu Tyr Arg
 1               5                  10                  15

Ile Ala Cys Glu Val Phe Ser Thr Glu Ser Ile Phe Pro Phe Val Ser
            20                  25                  30

Asp Phe Lys Leu Thr Tyr Glu Gly Arg Glu Met Ile Thr Phe Pro Val
        35                  40                  45

Lys Ser Ile Asp Asn Leu Ile Asn Leu Val Thr Pro Pro Ser Val Leu
    50                  55                  60

Asn Ile Thr Lys Phe Val Val Ile Arg Leu Ser Ala Pro Val Phe Ile
65                  70                  75                  80

Val Glu Leu Pro Leu Ser Leu Glu Thr Phe Leu Leu Lys Asn Asp Gly
                85                  90                  95
```

BNSDOCID: <WO___0122920A2_I_>

Ser Ile Val Phe Xaa Tyr Val Pro Met Lys Val Gly
100 105

<210> 5219
<211> 139
<212> PRT
<213> Homo sapiens

<400> 5219
Arg Thr Ser Pro Arg Phe Gln Phe Gln Gly Leu Thr Phe Leu Arg Arg
1 5 10 15

Arg Trp Asn Val Lys Gly Gly Arg Lys Glu Ile Lys Arg Pro Gln Val
20 25 30

Lys Met Trp Lys Val Thr Ser Ser Leu Arg Pro Arg Gly Thr Arg Arg
35 40 45

Glu Ser Pro Arg Gly Pro Arg Pro Ser Glu Arg Val Ala Lys Lys Lys
50 55 60

Ser Ala Pro Ala Glu Glu Gln Leu Arg Gly Pro Cys Trp Asp Gln Ser
65 70 75 80

Ser Lys Ala Ser Ala Gln Asp Ala Gly Asp His Val Gln Pro Pro Glu
85 90 95

Gly Arg Asp Phe Thr Leu Lys Pro Lys Lys Arg Arg Gly Lys Lys Lys
100 105 110

Leu Gln Lys Pro Val Glu Ile Ala Glu Asp Ala Thr Leu Glu Glu Thr
115 120 125

Leu Val Lys Lys Lys Lys Lys Lys Asp Ser Lys
130 135

<210> 5220
<211> 125
<212> PRT
<213> Homo sapiens

<400> 5220
Ser Arg Gln Asn Glu Lys Gly Gly Gly His Cys Ser Pro Leu Asn Ser
1 5 10 15

Phe Phe Arg Ser Ser Ser Met Ser Leu Ser Ala Leu Ala Cys Asp Phe
20 25 30

BNSDOCID: <WO___0122920A2 I_>

```
Thr Pro Ile Gln Pro Trp Glu Trp Glu Glu Tyr Glu Gln Ile Thr Leu
          35                  40                  45

Gly Leu Thr Ala Pro Ser Asn Leu Leu Glu Ser Asn Tyr Leu Gly Gln
      50                  55                  60

Ala Ser Glu Cys Phe Val Arg Lys Leu Val Arg Arg Phe Pro Gln Leu
 65                  70                  75                  80

Leu Pro Gly Pro Pro Gly His Cys Arg Lys Asp Leu Gly Asp Pro Gln
                 85                  90                  95

Gln Arg Pro Ile Ala Leu Leu Pro Ser Leu Pro His Gln Glu Arg Asn
            100                 105                 110

Asn Val His Arg Leu Glu Ala Asp Ser Glu Val Asp Leu
        115                 120                 125
```

<210> 5221
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5221

```
Asn Tyr Leu Pro Ser Leu Ser Tyr Ala Ser Xaa Ile Gly Met Leu Leu
  1               5                  10                  15

Val Ser Met His Thr Thr Thr Phe His Gly Phe Tyr Cys Ala Gln Thr
```

20 25 30

Leu His Ala Phe Arg Met Ile Tyr Leu Arg Arg Tyr Ile Ile Cys His
35 40 45

Pro Asp Pro Lys Arg Xaa Arg Xaa Xaa Asp His Ser Glu Pro Leu Ile
50 55 60

Arg Lys Leu Leu Ala Ser Val Phe Asp Thr Ser Leu Thr Leu Tyr Ile
65 70 75 80

His Val Ile Ile Ser Cys Gln Ile Leu Asp Ser Ile Asn Cys Pro Leu
85 90 95

Thr Ala Tyr

<210> 5222
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5222
Lys Tyr Leu Val Glu Ile Pro Glu Phe Tyr Glu Val Xaa Asp Lys Lys
1 5 10 15

Xaa Ala Gln Gly Leu Leu Lys Ser Thr Cys Ile Ile Ser Pro Phe Gln
20 25 30

Lys Thr Xaa Thr Xaa Val Xaa Gly Lys Ile Pro Val Xaa Xaa Ile Cys
35 40 45

Tyr Xaa Phe Leu Leu Pro His Leu Ala Asn Asn Phe
50 55 60

<210> 5223
<211> 212
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (206)

BNSDOCID: <WO__0122920A2_I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (208)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (209)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (211)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5223

```
Leu Thr Xaa Xaa Asn Lys Ser Trp Xaa Ser Thr Ala Val Ala Ala Ala
  1               5                  10                  15

Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Ala
             20                  25                  30

Ala Ser Met Lys Arg Lys Ser Glu Arg Arg Ser Ser Trp Ala Ala Ala
         35                  40                  45

Pro Pro Cys Ser Arg Arg Cys Ser Ser Thr Ser Pro Gly Val Lys Lys
     50                  55                  60

Ile Arg Ser Ser Thr Gln Gln Asp Pro Arg Arg Arg Asp Pro Gln Asp
 65                  70                  75                  80

Asp Val Tyr Leu Asp Ile Thr Asp Arg Leu Cys Phe Ala Ile Leu Tyr
                 85                  90                  95

Ser Arg Pro Lys Ser Ala Ser Asn Val His Tyr Phe Ser Ile Asp Asn
            100                 105                 110

Glu Leu Glu Tyr Glu Asn Phe Tyr Ala Asp Phe Gly Pro Leu Asn Leu
        115                 120                 125

Ala Met Val Tyr Arg Tyr Cys Cys Lys Ile Asn Lys Lys Leu Lys Ser
    130                 135                 140

Ile Thr Met Leu Arg Lys Lys Ile Val His Phe Thr Gly Ser Asp Gln
145                 150                 155                 160

Arg Lys Gln Ala Asn Ala Ala Phe Leu Val Gly Cys Tyr Met Val Ile
                165                 170                 175
```

BNSDOCID: <WO _ 0122920A2 I. >

Tyr Leu Gly Arg Thr Pro Glu Glu Ala Tyr Arg Ile Leu Ile Phe Gly
180 185 190

Glu Thr Ser Tyr Ile Pro Phe Arg Asp Ala Ala Tyr Gly Xaa Cys Xaa
195 200 205

Xaa Thr Xaa Pro
210

<210> 5224
<211> 48
<212> PRT
<213> Homo sapiens

<400> 5224
Lys Gln Arg Gly Asn Leu Lys Ala Thr Leu Thr His Leu Gln Ser Ser
1 5 10 15

Gln Ile Leu Thr Phe Thr Arg Leu Ala Phe Cys Phe Trp Ala Ser Pro
20 25 30

Lys Gln Thr Ala Ser His Pro Asn Arg Gly Arg Met Glu Met Phe Val
35 40 45

<210> 5225
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5225
Trp Tyr Phe Ser Lys Cys Val Leu Val Val Ile Thr Ser Asn Ile Asn
1 5 10 15

Leu Cys Cys Glu Ser Phe Val Ser Phe Ser Thr Val Phe Gln Arg Lys

BNSDOCID: <WO__0122920A2_I_>

20 25 30

Gly Lys Lys Ser Leu Asn Leu Lys Phe Ile Val Lys Ile Lys Tyr Leu
35 40 45

Xaa Ala Val Thr Gln Ala His Gly Ser Gln Ala Glu Lys Gly Leu Gly
50 55 60

Xaa Leu Lys Asn Gly Val Gln Val Val His Gly Arg Leu Leu Asn Ser
65 70 75 80

Leu Gly Val Gly Met Gly Leu Ala Phe Ser Lys Pro Val His Phe Pro
85 90 95

Met Ser

<210> 5226
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5226
Cys Leu Ala His Arg Lys Cys Ser Asp Met Leu Ser Asn Lys Lys Leu
1 5 10 15

Met Trp Trp Val Gln Trp Leu Thr Pro Val Ile Pro Ala Leu Trp Glu
20 25 30

Ala Glu Val Ser Gly Leu Gln Gly Gln Glu Phe Gln Thr Ser Leu Ala
35 40 45

Asn Met Xaa Lys Pro Arg Leu Tyr
50 55

<210> 5227
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO _ 0122920A2 1 >

<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5227
Gln Ser Lys Pro Leu Asn Ile Thr His Leu His Leu Gln Val Trp Pro
1 5 10 15

Gln Xaa Phe Lys Trp Leu Leu Ser Leu Leu His Ser Thr Tyr Pro Leu
20 25 30

Leu Gln Leu Phe His Lys Tyr Arg Leu Asn Ile Pro Tyr Leu Lys Cys
35 40 45

Leu Gly Leu Xaa Val Ser Asp Phe Arg Tyr Val Trp Ile Leu Glu Tyr
50 55 60

Leu Tyr Met Tyr Asn Glu Xaa Leu Leu Glu Leu Gly Pro Lys Ser Lys
65 70 75 80

Gln Asn Ser Phe Met Phe His Ile Tyr Leu Ile His Ile Thr
85 90

<210> 5228
<211> 24
<212> PRT
<213> Homo sapiens

<400> 5228
Lys Glu Pro Met Gln Val Trp Phe Leu Ser Arg Lys Asn Thr Gly Thr
1 5 10 15

Glu Glu Thr Lys Gln Asp Asp Asp
20

<210> 5229
<211> 133
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5229

```
Arg Ala Arg Arg Gly Val Ser Val Lys Ala Xaa Lys Xaa Glu Thr Ala
  1               5                  10                  15

Ala Thr Met Lys Asp Xaa Ala Leu Lys Xaa Lys Val Ser Thr Ala Thr
             20                  25                  30

Val Ser Arg Ala Leu Met Asn Pro Asp Lys Val Ser Gln Ala Thr Arg
         35                  40                  45

Asn Arg Val Glu Lys Ala Ala Arg Glu Val Gly Tyr Leu Pro Gln Pro
     50                  55                  60

Met Gly Arg Asn Val Lys Arg Asn Glu Ser Arg Thr Ile Leu Val Ile
 65                  70                  75                  80

Val Pro Asp Ile Cys Asp Pro Phe Phe Ser Glu Ile Ile Arg Gly Ile
                 85                  90                  95
```

BNSDOCID: <WO__0122920A2_I_>

Glu Val Thr Ala Ala Asn His Gly Tyr Leu Val Xaa Ile Gly Asp Cys
100 105 110

Ala His Gln Asn Gln Gln Glu Lys Thr Phe Ile Xaa Leu Ile Ile Thr
115 120 125

Lys Gln Ile Asp Trp
130

<210> 5230
<211> 261
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (230)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (243)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (246)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (250)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (257)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5230
Ser Trp Lys Thr Gly Glu Asp Lys Ser Met Ser Ser Leu Pro Gly Cys
1 5 10 15

Ile Gly Leu Asp Ala Ala Thr Ala Thr Val Glu Ser Glu Glu Ile Ala
20 25 30

Glu Leu Gln Gln Ala Val Val Glu Glu Leu Gly Ile Ser Met Glu Glu
35 40 45

```
Leu Arg His Phe Ile Asp Glu Glu Leu Glu Lys Met Asp Cys Val Gln
     50                  55                  60

Gln Arg Lys Lys Gln Leu Ala Glu Leu Glu Thr Trp Val Ile Gln Lys
 65                  70                  75                  80

Glu Ser Glu Val Ala His Val Asp Gln Leu Phe Asp Asp Ala Ser Arg
                85                  90                  95

Ala Val Thr Asn Cys Glu Ser Leu Val Lys Asp Phe Tyr Ser Lys Leu
            100                 105                 110

Gly Leu Gln Tyr Arg Asp Ser Ser Ser Glu Asp Glu Ser Ser Arg Pro
        115                 120                 125

Thr Glu Ile Ile Glu Ile Pro Asp Glu Asp Asp Asp Val Leu Ser Ile
    130                 135                 140

Asp Ser Gly Asp Ala Gly Ser Arg Thr Pro Lys Asp Gln Lys Leu Arg
145                 150                 155                 160

Glu Ala Met Ala Ala Leu Arg Lys Ser Ala Gln Asp Val Gln Lys Phe
                165                 170                 175

Met Asp Ala Val Asn Lys Lys Ser Ser Ser Gln Asp Leu His Lys Gly
            180                 185                 190

Thr Leu Ser Gln Met Ser Gly Glu Leu Ser Lys Asp Gly Asp Leu Ile
        195                 200                 205

Val Ser Met Arg Ile Leu Gly Lys Lys Arg Thr Lys Thr Trp His Lys
    210                 215                 220

Gly Pro Leu Leu Pro Xaa Arg Gln Leu Asp Gln Gly Ser Thr Gln Ala
225                 230                 235                 240

Pro Val Xaa Ser Ala Xaa Gln Ala Gln Xaa Arg Lys Glu Asn His Leu
                245                 250                 255

Xaa Thr Phe Ile Pro
            260
```

<210> 5231
<211> 59
<212> PRT
<213> Homo sapiens

<400> 5231
Ile Asn Pro Ala Leu Leu Arg Lys Gly Asn Leu Phe Arg Gln Ser Gly

BNSDOCID: <WO_ 0122920A2 I >

```
  1               5                  10                  15

Lys Gly Val Leu Arg Lys Leu Ser Phe Phe Ile Pro Ser Phe Leu Pro
            20                  25                  30

Thr Thr Val Thr Gly Tyr Arg Gly Leu Trp Thr Leu Lys Thr Asn Val
        35                  40                  45

Trp Pro Leu Thr Gly Leu Ile Cys Ile Phe Leu
    50                  55
```

<210> 5232
<211> 39
<212> PRT
<213> Homo sapiens

<400> 5232

```
Thr Ser Ser Pro Trp Ala Ala Pro Pro Gly Ser Gly Gly Pro Glu Pro
  1               5                  10                  15

Pro Arg Pro Gly Leu Pro Arg Leu Gly Leu Gly Asp Leu Asn Leu Leu
            20                  25                  30

Thr Leu Gly Cys Pro Ser Trp
        35
```

<210> 5233
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5233

```
Lys Leu Cys Arg Leu Ile Asn Glu Asp Val Asn Glu Gln Val Met Gln
  1               5                  10                  15

Val Leu Gly Pro Glu Asp Leu Gln Ser Ile Ile Tyr Lys Xaa Glu Glu
            20                  25                  30

His Glu Glu Phe Phe Pro Ala Phe Gln Ala Phe Thr Asn Asp Leu Leu
        35                  40                  45

Glu Ile Leu Glu Ile Asp Asp Leu Asp Ala Ile Val Pro Ala Val Lys
```

BNSDOCID: <WO__0122920A2_I_>

50 55 60

Lys Leu Lys Val Leu Ser Tyr
65 70

<210> 5234
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5234
Ala Leu Val Leu Ser Arg Glu Gln Glu Lys Leu Phe Glu Lys Gly Lys
1 5 10 15

Glu Ser Ile Pro Tyr Leu Ile Arg Thr His Arg His Ala Arg His Gly
20 25 30

His Gly Val His Val His Leu Ser His Val Thr Thr Ala Ala Ile His
35 40 45

Val His His Thr Ile His Cys Arg Ile Xaa Leu Val Gly Lys Leu Ala
50 55 60

Ala Gly Glu Arg Ser Leu Ser Lys Gln Met Val Tyr Tyr Leu Trp Ser
65 70 75 80

Thr

<210> 5235
<211> 85
<212> PRT
<213> Homo sapiens

<400> 5235
Ala Asp Lys Asn Glu Ile Leu Phe Ser Glu Phe Asn Ile Asn Tyr Asn
1 5 10 15

Asn Glu Leu Pro Met Tyr Arg Lys Gly Thr Val Leu Ile Trp Gln Lys
20 25 30

Val Asp Glu Val Met Thr Lys Glu Ile Lys Leu Pro Thr Glu Met Glu

35 40 45

Gly Lys Lys Met Ala Val Thr Arg Thr Arg Thr Lys Pro Val Pro Leu
50 55 60

His Cys Asp Ile Ile Gly Asp Ala Phe Trp Lys Glu His Pro Glu Ile
65 70 75 80

Leu Asp Glu Asp Ser
85

<210> 5236
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5236
Leu Glu Cys Trp Val Val Leu Ser Ile Ile Gly Val Lys Cys Gly Ala
1 5 10 15

Val Ala Tyr Thr Cys Asn Pro Ser Thr Leu Gly Lys Leu Xaa Trp Gly
20 25 30

Gly Ser Leu Glu Val Gln Glu Phe Glu Ala Thr Leu Gly Gln His Gly
35 40 45

Gly Thr Pro Ile Phe
50

<210> 5237
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5237
Glu Lys Xaa Ser Gly Val Val Trp Asp Arg Ser Ala Thr His Ser Glu
1 5 10 15

Met Val Gln Glu Asn Gln Phe Phe Met Leu Tyr Phe Gln Ser Leu Tyr
20 25 30

Lys Phe Val Phe Val Ser Lys Ile Lys Lys Arg Xaa Lys Met Glu Gly
35 40 45

Lys Ile Pro Gly Arg Gln Met Asn Lys Arg His Glu
50 55 60

<210> 5238
<211> 59
<212> PRT
<213> Homo sapiens

<400> 5238
Lys Arg Lys Lys Ser Phe Trp Gly Met Leu Tyr His Ser Asn Gly Ser
1 5 10 15

Val Thr Thr Tyr Phe Val Leu Ser Met Ser Leu Ile Pro Ser Tyr Glu
20 25 30

Thr Ile Trp Leu Asp Tyr Pro Val Tyr Cys Val Glu Ile Lys Val Leu
35 40 45

Ile Cys Thr Phe Leu Val Gln Tyr Leu Ser Tyr
50 55

<210> 5239
<211> 54
<212> PRT
<213> Homo sapiens

<400> 5239
Tyr Leu His Phe His Ile Leu Val Ile Cys Leu Leu His Thr Trp Gln
1 5 10 15

Asn Lys Thr Glu Ile Pro Ser Gln Lys Lys Lys Glu Lys Glu Lys Lys
20 25 30

Ile Ala Leu Tyr Leu Phe Leu Val Ser Thr Ala Met Lys Ile Leu Asn
35 40 45

Thr Pro Asn Ser Val Glu
50

<210> 5240
<211> 70
<212> PRT
<213> Homo sapiens

<400> 5240
Cys Phe Phe Phe Ile Val Phe Gln Ser Val Ser Ile His Leu Lys Lys
1 5 10 15

Lys Asn Arg Asn Asn Ser Arg Tyr Phe Lys Gln Lys Gly Ile Trp Trp
20 25 30

Lys Gly Leu Thr Ile Val Met Ser Gly Arg Leu Val Glu Pro Lys Arg
35 40 45

Arg Gly Cys Cys Pro Lys Ile Arg Lys Leu Pro Val Pro Thr Pro Thr
50 55 60

Ala Ala Leu Leu Glu Ala
65 70

<210> 5241
<211> 119
<212> PRT
<213> Homo sapiens

<400> 5241
Thr Gly Glu Ala Ala Leu Trp Gly Leu Pro Ala Ala Gly Ala Gly Glu
1 5 10 15

Arg His Val Asp Thr Trp Pro Leu Trp Leu Pro Pro Ala Arg Ser Ser
20 25 30

Ala Gly Pro Ser Pro Trp Gly Trp Ala Ser Cys Ser Arg Ser Arg Thr
35 40 45

Pro Ser Gly Leu Lys Val Gly Glu Val Trp Trp Trp Arg Trp Gly Gly
50 55 60

Ser Glu Lys Cys Lys Arg Pro Val Gly Leu Gln Gln Lys Glu Ala Ser
65 70 75 80

Gly Gly Trp Asp Gly Gly Gln Trp Gly Lys Ala Leu Gly Ser Ile Gly

BNSDOCID: <WO__ 0122920A2_I_>

85 90 95

Gly Ser Leu Ala Ala Asn Ser Leu Asp Phe Gly Gly Gln Val Arg Pro
100 105 110

Ala Ser Leu Ala Pro Ala Ala
115

<210> 5242
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5242
Gly Pro Xaa Lys Glu Arg Arg Phe Gly Ala Val Ala Cys Gly Val Ala
1 5 10 15

Met Glu Leu Tyr Val Phe Gly Gly Val Arg Ser Arg Glu Asp Ala Gln
20 25 30

Gly Ser Glu Met Val Thr Cys Lys Ser Glu Phe Tyr His Asp Glu Phe
35 40 45

Lys Arg Trp Ile Tyr Leu Asn Asp Gln Asn Leu Cys Ile Pro Ala Ser
50 55 60

Ser Ser Phe Val Tyr Gly Ala Val Pro Ile Gly Ala Ser Ile Tyr Val
65 70 75 80

Ile Gly Asp Leu Asp Thr Gly Thr Asn Tyr Asp Tyr Val Arg Glu Phe
85 90 95

Lys Arg Ser Thr Gly Thr Trp His Xaa Xaa Lys Pro Leu Leu Pro Ser
100 105 110

BNSDOCID: <WO__0122920A2 I_>

Asp Leu Arg Arg Thr Gly Cys Ala Ala Leu Arg Ile Ala Asn Cys Lys
115 120 125

Leu Phe Arg Leu Gln Leu Gln Gln Gly Leu Phe Arg Ile Arg Val His
130 135 140

Ser Pro
145

<210> 5243
<211> 104
<212> PRT
<213> Homo sapiens

<400> 5243
Asp Gly Pro Ala Lys Cys Arg Pro Leu Leu Leu Asn Lys Asn Ile Leu
1 5 10 15

Lys Pro Leu Phe Leu Leu His Gly Gln Glu Ala Ala Arg Glu Ser Ala
20 25 30

Arg Val Pro Trp Ser Glu Leu Ala Ser Pro Cys Leu Leu Cys Pro Arg
35 40 45

Ala Ala Trp Phe Leu Val Gln Cys Ser Asp Thr Ala Cys Pro Ser Pro
50 55 60

Thr Ser Ser Gln Gln His Leu Leu Ser Leu Ala Ala Met Ala Met Thr
65 70 75 80

Thr Pro Glu Lys Gln Leu Gln Gly Pro Ser Gln Ile Leu Phe Cys Leu
85 90 95

His Ala Ser Ala Gly Cys Arg Tyr
100

<210> 5244
<211> 461
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (241)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5244

```
Ile Glu Thr Ser Asn Lys Asn Asp Met Thr Ile Asp Ile Leu His Ala
  1               5                  10                  15

Asp Gly Glu Arg Pro Asn Val Leu Glu Asn Leu Asp Asn Ser Lys Glu
             20                  25                  30

Lys Thr Val Gly Ser Glu Ala Ala Lys Thr Glu Asp Thr Val Leu Cys
         35                  40                  45

Ser Ser Asp Thr Asp Glu Glu Cys Leu Ile Ile Xaa Thr Glu Cys Lys
     50                  55                  60

Asn Asn Ser Asp Gly Lys Thr Ala Val Val Gly Ser Asn Leu Ser Ser
 65                  70                  75                  80

Arg Pro Ala Ser Pro Asn Ser Ser Ser Gly Gln Ala Ser Val Gly Asn
                 85                  90                  95

Gln Thr Asn Thr Ala Cys Xaa Pro Glu Glu Ser Cys Val Leu Lys Lys
            100                 105                 110

Pro Ile Lys Arg Val Tyr Lys Lys Phe Asp Pro Val Gly Glu Ile Leu
        115                 120                 125

Lys Met Gln Asp Glu Leu Xaa Lys Pro Ile Ser Arg Lys Val Pro Glu
    130                 135                 140

Leu Pro Leu Met Asn Leu Glu Asn Ser Lys Gln Pro Ser Val Ser Glu
145                 150                 155                 160

Gln Leu Ser Gly Pro Ser Asp Ser Ser Ser Trp Pro Lys Ser Gly Trp
                165                 170                 175

Pro Ser Ala Phe Gln Lys Pro Lys Gly Arg Leu Pro Tyr Glu Leu Gln
            180                 185                 190
```

BNSDOCID: <WO___0122920A2_I >

Asp Tyr Val Glu Asp Thr Ser Glu Tyr Leu Ala Pro Gln Glu Gly Asn
195 200 205

Phe Val Tyr Lys Leu Phe Ser Leu Gln Asp Leu Leu Leu Leu Val Arg
210 215 220

Cys Ser Val Gln Arg Ile Glu Thr Arg Pro Arg Ser Lys Lys Arg Lys
225 230 235 240

Xaa Ile Arg Arg Gln Phe Pro Val Tyr Val Leu Pro Lys Val Glu Tyr
245 250 255

Gln Ala Cys Tyr Gly Val Glu Ala Leu Thr Glu Ser Glu Leu Cys Arg
260 265 270

Leu Trp Thr Glu Ser Leu Leu His Ser Asn Ser Ser Phe Tyr Val Gly
275 280 285

His Ile Asp Ala Phe Thr Ser Lys Leu Phe Leu Leu Glu Glu Ile Thr
290 295 300

Ser Glu Glu Leu Lys Glu Lys Leu Ser Ala Leu Lys Ile Ser Asn Leu
305 310 315 320

Phe Asn Ile Leu Gln His Ile Leu Lys Lys Leu Ser Ser Leu Gln Glu
325 330 335

Gly Ser Tyr Leu Leu Ser His Ala Ala Glu Asp Ser Ser Leu Leu Ile
340 345 350

Tyr Lys Ala Ser Asp Gly Lys Val Thr Arg Thr Ala Tyr Asn Leu Tyr
355 360 365

Lys Thr His Cys Gly Leu Pro Gly Val Pro Ser Ser Leu Ser Val Pro
370 375 380

Trp Val Pro Leu Asp Pro Ser Leu Leu Leu Pro Tyr His Ile His His
385 390 395 400

Gly Arg Ile Pro Cys Thr Phe Pro Pro Lys Ser Leu Asp Thr Thr Thr
405 410 415

Gln Gln Lys Ile Gly Gly Thr Arg Met Pro Thr Arg Ser His Arg Asn
420 425 430

Pro Val Ser Met Glu Thr Lys Ser Ser Cys Leu Pro Ala Gln Gln Val
435 440 445

Glu Thr Glu Gly Val Ala Pro His Lys Arg Lys Ile Thr
450 455 460

BNSDOCID: <WO___0122920A2_I_>

<210> 5245
<211> 121
<212> PRT
<213> Homo sapiens

<400> 5245
Leu Tyr Ser Pro Phe Gln Phe Phe Leu Pro Leu Phe Leu Phe Leu Ser
1 5 10 15

Cys Ser Pro Leu Ser Ala Leu Gln Asp Phe Pro Ala Thr Trp Val Leu
20 25 30

Val Leu Lys Leu Pro Tyr Thr Phe Thr Val Phe Phe Leu Leu Pro Phe
35 40 45

Phe Leu Ile Phe Ile Ser Phe Leu Asn Phe Leu Ser Leu Ser Ser Leu
50 55 60

Pro Phe Leu Leu Ser Phe Leu Phe Val His Val Ile Ser Ser Pro Cys
65 70 75 80

Leu Pro Pro Leu Thr Phe Leu Tyr Phe Leu Ser Leu Pro Pro Tyr Tyr
85 90 95

Ser Phe Leu Phe Leu Val Leu Gln Phe Asn Tyr Phe Lys His Ile Thr
100 105 110

His Lys Ala Cys His Ser Leu Asp Phe
115 120

<210> 5246
<211> 79
<212> PRT
<213> Homo sapiens

<400> 5246
Thr Leu His Thr Ala His Pro Ser Pro Val Leu Thr Leu Cys Ser Tyr
1 5 10 15

His Ser Leu Ala Ala Cys His Ala Val Gly Leu Gln Ile Cys Thr His
20 25 30

Lys Phe Leu Arg Lys Ser Leu His Glu His His Leu Ala Ile Phe Cys
35 40 45

Thr Asp Gln Thr Arg Asp Leu Asn Val Phe Gln His Lys Arg Ile Thr

BNSDOCID: <WO___0122920A2 I_>

50 55 60

Ser Glu Trp Trp Ser Val Arg Ile Leu Ala Lys Val Met Val Ile
65 70 75

<210> 5247
<211> 62
<212> PRT
<213> Homo sapiens

<400> 5247
Leu Glu Glu Thr Leu Phe Leu Gln Gly Thr Lys Gln Leu Tyr Phe Ser
1 5 10 15

Thr Asp Met His Tyr Phe His Cys Glu Phe Thr Phe Leu Leu His Val
20 25 30

Gln Met Ser Leu Phe Val Phe Phe Phe Cys Asn Ile Asn Cys Asn Asp
35 40 45

Val Leu Pro Gly Ile His Glu Asn Ile Ile Lys Thr His Phe
50 55 60

<210> 5248
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5248
Pro Gly Glu Pro Lys Pro Thr Pro Arg Gly Lys Pro Gly Gln Thr Gly
1 5 10 15

BNSDOCID: <WO__0122920A2_I_>

Gly Pro Pro Ser Trp Tyr Xaa Pro Xaa Lys Leu Ile Ala Leu Xaa Gly
20 25 30

Gly Gly Glu Lys Thr Pro Thr His Leu Val Arg Glu Val Phe Cys Leu
35 40 45

Tyr Cys Gly Val Arg Ala Glu Glu Lys Ser Leu Phe Phe Pro Leu Arg
50 55 60

Leu Cys Phe Lys Glu Gln Gly Arg Gly Lys Phe Cys Gly Phe
65 70 75

<210> 5249
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5249
Lys Leu Thr Lys Cys Pro Val Arg Trp Leu Arg Pro Ala Ile Pro Ala
1 5 10 15

Leu Trp Glu Ala Glu Val Gly Gly Ser Leu Glu Ala Arg Ser Leu Arg
20 25 30

Thr Ala Trp Pro Thr Trp Arg Asn Pro Val Ser Thr Ile Xaa Thr Lys
35 40 45

Phe Asn Gln Ala Trp Trp Trp Ala Pro Val Val Pro Ala Tyr Leu Gly
50 55 60

Asp Leu Ser His Glu Glu Ser Leu Xaa Pro Ser Trp Val Gly Xaa Leu
65 70 75 80

<210> 5250
<211> 60
<212> PRT
<213> Homo sapiens

<400> 5250
Pro Pro Gly Ser Asn Lys Pro Pro Ala Ser Ala Tyr Gln Val Ala Glu
1 5 10 15

Thr Thr Gly Thr Tyr His Arg Ala Cys Leu Ile Phe Lys Ile Phe Tyr
20 25 30

Lys Asp Glu Val Ser Leu Cys Cys Pro Gly Trp Ser Gln Thr Pro Asn
35 40 45

Leu Lys Gln Ser Ala His Val Gly Leu Pro Lys Cys
50 55 60

<210> 5251
<211> 69
<212> PRT
<213> Homo sapiens

<400> 5251
Val Tyr Gly Asn Tyr Leu Ile Ile Leu Lys Arg Thr His Phe Ser Cys
1 5 10 15

Lys Tyr Val Thr Ser Glu Phe Lys Lys Ile Thr Leu Asn Thr Leu Ile
20 25 30

Phe Ala Ala Phe Phe Ser Val Tyr Ile Thr Cys Leu Leu Ser Glu Trp
35 40 45

Glu Tyr Met Cys Ala Ser Gln His Leu Leu Leu Lys Cys Val Ile Phe
50 55 60

Ile Cys Gln Thr Gly
65

<210> 5252
<211> 54
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__0122920A2_I_>

<400> 5252
Arg His Lys Asp Thr Phe Arg Ile Val Lys Thr Leu Ser Ile Glu Lys
1 5 10 15

Phe Leu Asn Glu Thr Val Ser Lys Lys Ser Phe Ala Ser Arg Phe Leu
20 25 30

Arg Gly Ala Ile Lys Lys Arg Thr Leu Pro Val Val Thr Ala Ala Ala
35 40 45

Ile Ala Pro Leu Tyr Cys
50

<210> 5253
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5253
Phe His Leu Gln Gln Leu Leu Glu Arg Lys Pro Asp Asn Tyr Met Thr
1 5 10 15

Leu Ser Arg Leu Ile Asp Leu Leu Arg Arg Cys Gly Lys Leu Glu Asp
20 25 30

Val Pro Arg Phe Phe Ser Met Ala Glu Lys Arg Asn Ser Arg Ala Lys
35 40 45

Leu Glu Pro Gly Phe Gln Tyr Cys Lys Gly Leu Tyr Leu Trp Tyr Thr
50 55 60

Gly Xaa Xaa Asn Asp Ala Leu Arg His Phe Asn Lys Ala Arg Lys Asp
65 70 75 80

Arg Asp Trp Gly Gln Asn Ala Leu Tyr Asn Met Ile Glu Asn Leu Phe
85 90 95

Glu Ser Arg

<210> 5254
<211> 144
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5254
Ser Val Leu Trp Asn Ala Met Ile His Pro Leu Cys Asn Met Thr Leu
1 5 10 15

Lys Gly Val Val Trp Tyr Gln Gly Glu Ser Asn Ile Asn Tyr Asn Thr
20 25 30

Asp Leu Tyr Asn Cys Thr Phe Pro Ala Leu Ile Glu Asp Trp Arg Glu
35 40 45

Thr Phe His Arg Gly Ser Gln Gly Gln Thr Glu Arg Phe Phe Pro Phe
50 55 60

Gly Leu Val Gln Leu Ser Ser Asp Leu Ser Lys Lys Xaa Ser Asp Asp
65 70 75 80

Gly Phe Pro Gln Ile Arg Trp His Gln Thr Ala Asp Phe Gly Tyr Val
85 90 95

Pro Asn Pro Lys Met Pro Asn Thr Phe Met Ala Val Ala Met Asp Leu
100 105 110

Cys Asp Arg Asp Ser Pro Phe Gly Ser Ile His Pro Arg Asp Lys Gln
115 120 125

Asn Cys Gly Leu Ser Ala Ala Phe Gly Gly Pro Cys Ser Gly Leu Trp
130 135 140

<210> 5255
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5255
Val Leu Pro Leu Leu Pro Lys Val Leu Gly Leu Arg His His Thr Gln
1 5 10 15

Pro Lys Leu Lys Ala Ile Phe Ser Asn Ser His Gln Cys Gly Tyr Cys
20 25 30

Tyr Lys Xaa Xaa Trp Phe Leu Gly His Ile Trp Tyr Gln Asn Val Tyr
35 40 45

Val Tyr Pro Tyr Lys Tyr Gly Met
50 55

<210> 5256
<211> 434
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (347)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5256
Asn Leu Asn Met Glu Ala Thr Gly Thr Asp Glu Val Asp Lys Leu Lys
1 5 10 15

Thr Lys Phe Ile Ser Ala Trp Asn Asn Met Lys Tyr Ser Trp Val Leu
20 25 30

Lys Thr Lys Thr Tyr Phe Ser Arg Asn Ser Pro Val Leu Leu Leu Gly
35 40 45

Lys Cys Tyr His Phe Lys Tyr Glu Asp Glu Asp Lys Thr Leu Pro Ala
50 55 60

Glu Ser Gly Cys Thr Ile Glu Asp His Val Ile Ala Gly Asn Val Glu
65 70 75 80

Glu Phe Arg Lys Asp Phe Ile Ser Arg Ile Trp Leu Thr Tyr Arg Glu
85 90 95

Glu Phe Pro Gln Ile Glu Gly Ser Ala Leu Thr Thr Asp Cys Gly Trp
100 105 110

Gly Cys Thr Leu Arg Thr Gly Gln Met Leu Leu Ala Gln Gly Leu Ile
115 120 125

Leu His Phe Leu Gly Arg Ala Trp Thr Trp Pro Asp Ala Leu Asn Ile
130 135 140

Glu Asn Ser Asp Ser Glu Ser Trp Thr Ser His Thr Val Lys Lys Phe
145 150 155 160

Thr Ala Ser Phe Glu Ala Ser Leu Ser Gly Glu Arg Glu Phe Lys Thr
165 170 175

Pro Thr Ile Ser Leu Lys Glu Thr Ile Gly Lys Tyr Ser Asp Asp His
180 185 190

Glu Met Arg Asn Glu Val Tyr His Arg Lys Ile Ile Ser Trp Phe Gly
195 200 205

Asp Ser Pro Leu Ala Leu Phe Gly Leu His Gln Leu Ile Glu Tyr Gly
210 215 220

Lys Lys Ser Gly Lys Lys Ala Gly Asp Trp Tyr Gly Pro Ala Val Val
225 230 235 240

Ala His Ile Leu Arg Lys Ala Val Glu Glu Ala Arg His Pro Asp Leu
245 250 255

Gln Gly Ile Thr Ile Tyr Val Ala Gln Asp Cys Thr Val Pro Val Arg
260 265 270

Leu Gly Gly Glu Arg Thr Asn Thr Asp Tyr Leu Glu Phe Val Lys Gly
275 280 285

Ile Leu Ser Leu Glu Tyr Cys Val Gly Ile Ile Gly Gly Lys Pro Lys
290 295 300

Gln Ser Tyr Tyr Phe Ala Gly Phe Gln Asp Asp Ser Leu Ile Tyr Met
305 310 315 320

Asp Pro His Tyr Cys Gln Ser Phe Val Asp Val Ser Ile Lys Asp Phe
325 330 335

Pro Leu Glu Thr Phe His Cys Pro Ser Pro Xaa Lys Met Ser Phe Arg
340 345 350

Lys Met Asp Pro Ser Cys Thr Ile Gly Phe Tyr Cys Arg Asn Val Gln
355 360 365

Asp Phe Lys Arg Ala Ser Glu Glu Ile Thr Lys Met Leu Lys Phe Ser
370 375 380

Ser Lys Glu Lys Tyr Pro Leu Phe Thr Phe Val Asn Gly His Ser Arg
385 390 395 400

Asp Tyr Asp Phe Thr Ser Thr Thr Thr Asn Glu Glu Asp Leu Phe Ser
405 410 415

Glu Asp Glu Lys Lys Gln Leu Lys Arg Phe Ser Thr Glu Glu Phe Val
420 425 430

Leu Leu

<210> 5257
<211> 68
<212> PRT
<213> Homo sapiens

<400> 5257
Tyr Ile Ser Cys Ile Phe Tyr Asp Phe Ser Ile Lys His Ser Gly Val
1 5 10 15

Leu Ala Phe Pro Gly Lys Gly Lys Leu Val Cys Ala Leu Val Lys Tyr
20 25 30

Leu Asn Ser Asn Val Pro Tyr Ser Ala Cys Ile His Phe Val Lys Ser
35 40 45

Phe Val Val Leu Leu Glu Gln Phe Ser Lys Ala Asp Phe Met Pro Tyr
50 55 60

Leu Ile Glu Ile
65

<210> 5258
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO___0122920A2 I. >

<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5258
Ile Ala Gly Arg Gly Ile Met Ala Cys Gln His Ser Leu Cys Pro Xaa
1 5 10 15

Asn Leu Arg Pro Arg Met Arg Ser Cys Gln His Asn Ile His Pro Phe
20 25 30

Glu Gln Met Glu Ser Gly Thr Leu Thr Gln Pro Ser Val Leu Asn Asn
35 40 45

Thr Ala Ile Ile Ala Thr Cys Ser Val Val Asn Val Asn Pro Gln Ser
50 55 60

Gln Leu Asn Tyr Phe Arg Pro Asn Ile Leu Phe Leu
65 70 75

<210> 5259
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5259
Gln Gly Phe Gly Arg Pro Ser Val Tyr His Ala Ala Ile Val Xaa Phe
1 5 10 15

Leu Glu Phe Phe Ala Trp Gly Leu Leu Thr Thr Pro Met Leu Thr Val
20 25 30

Leu His Glu Thr Phe Ser Gln His Thr Phe Leu Met Asn Gly Leu Ile
35 40 45

```
Gln Gly Val Lys Gly Leu Leu Ser Phe Leu Ser Ala Pro Leu Ile Gly
     50                  55                  60

Ala Leu Ser Asp Val Trp Gly Arg Lys Pro Phe Leu Leu Gly Thr Val
 65                  70                  75                  80

Phe Phe Xaa Xaa Phe Pro Ile Pro Leu Met Arg Ile Ser Pro Cys Phe
                 85                  90                  95

Leu Lys Lys Lys Thr His Gln Trp Thr
            100                 105
```

<210> 5260
<211> 57
<212> PRT
<213> Homo sapiens

<400> 5260

```
Leu Arg Tyr Ser Leu Ile Phe Tyr Ile Ala Ala Leu Phe Phe Leu Phe
  1               5                  10                  15

Cys Ser Ile Ser Glu Ile Ser His Val Tyr Thr Leu Asn Ile Asn Ile
            20                  25                  30

Arg Asn His Ala Ile Ile Ser Thr Met Tyr Leu Val Val Ser Tyr Ile
         35                  40                  45

Cys Ile Thr Leu Leu His Phe Ala Asn
     50                  55
```

<210> 5261
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5261

```
Leu Ile Tyr Lys Tyr Asn Tyr Thr Lys Leu Gln Asn Ile Val Xaa Met
  1               5                  10                  15

Lys Thr Lys Asn Leu Val Pro Asn Ile
            20                  25
```

BNSDOCID: <WO__0122920A2_I_>

<210> 5262
<211> 97
<212> PRT
<213> Homo sapiens

<400> 5262
Ser Asp Lys Ala Leu Ala Ser Asp Pro Cys Gln Asn Ser Ile Asn Gly
1 5 10 15

Cys Leu Glu Val Asp Val His Ile Tyr Ser Glu Met Phe Cys His Leu
20 25 30

Arg Pro Met Arg Arg Leu Cys Leu Glu Lys Ile Phe Pro His Trp Phe
35 40 45

Pro Phe Ser Arg Ala Leu Ser Gly Ala Glu Ala Val Asn Ala Leu Arg
50 55 60

Pro Phe Tyr Phe Ala Val His Pro Asp Phe Phe Gly Gln His Pro Val
65 70 75 80

Glu Arg Asp Asp Thr Trp Lys Ser Phe Gln Cys Pro Ser Asp Phe Ser
85 90 95

Leu

<210> 5263
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5263
Ala Ser Cys Arg Thr Xaa Ser Arg Met Ala Ile Phe Glu Leu Val Ser
1 5 10 15

Lys Xaa Arg Xaa Leu Tyr Leu Xaa Gln Lys Ile Leu Cys Glu Leu Ser
20 25 30

Gly His Xaa Asp Leu Phe Val Asp Val Asn Lys His Leu Phe Asp Gly
35 40 45

Glu Val Cys Ala Ile Asn His Phe Val Lys Leu Leu Lys Asp Ile Ile
50 55 60

Ile Cys Phe Leu Asn Ile Arg Ala Lys Asn Val Ala Gln Asn Pro Leu
65 70 75 80

Lys His His Ser Glu Arg Thr Asp Met Lys Thr Leu Ser Arg Lys His
85 90 95

Trp Ser Ser Val Gln Asp Tyr Lys Cys Ser Ser Phe Ala Asn Thr Ser
100 105 110

Ser Lys Phe Arg His Leu Leu Ser Asn Asp Gly Tyr Pro Phe Lys
115 120 125

<210> 5264
<211> 44
<212> PRT
<213> Homo sapiens

<400> 5264
Asp Ser Phe Ile Leu His Leu Phe Ile Gln Leu Ile Phe Val Glu His
1 5 10 15

Leu His Val Pro Asp Ile Ile Lys Cys Trp Val Tyr Gly Asn Glu Gln
20 25 30

Asn Arg Gln Gly Pro Cys Pro Phe Arg Gly Asp Arg
35 40

<210> 5265
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5265

Leu	Lys	Ile	Asp	Thr	Asn	Arg	Ile	Arg	Thr	Glu	Asn	Gly	Ser	Ile	Leu
1				5					10					15	
Pro	Ser	Val	Val	Pro	Gln	Glu	His	Asn	Thr	Leu	Pro	Val	Ser	Gln	Ala
			20					25					30		
Pro	Ser	Lys	Pro	Asn	Leu	Thr	Ser	Glu	His	Thr	Ser	Tyr	Gly	Leu	Ile
		35					40					45			
Leu	Thr	Lys	Pro	Tyr	Val	Arg	Pro	Leu	Pro	Pro	Ser	Tyr	Leu	Asp	Glu
	50					55					60				
Arg	Tyr	Leu	Xaa	Met	Pro	Lys	Arg	Arg	Lys	Phe	Leu	Thr	Asp	Arg	Val
65					70					75					80
Xaa	Ala	Cys	Ser	Asp	Gln	Asp	Asn	Val	Tyr	Lys	Lys	Ser	Val	Lys	Arg
			85					90					95		
Leu	Arg	Cys	Gly	Lys	Cys	Leu	Thr	Thr	Tyr	Cys	Asn	Ala	Xaa	Ala	Leu
		100					105					110			
Glu	Ala	His	Leu	Ala	Gln	Lys	Lys	Cys	Gln	Thr	Leu	Phe	Gly	Ile	
	115					120					125				

<210> 5266

<211> 225
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5266

```
Leu Pro Gly Pro Gly Ala Cys Pro Glu Gly Val Trp Thr Leu Asn Ser
  1               5                  10                  15

Ala Pro Thr Gln Gly Pro Thr Ala Ala Pro Gly Ala Cys His Pro Gly
             20                  25                  30

Leu Leu Gly Arg Gly Gln Gly Leu Xaa Leu Gly Leu Pro Ser Thr Pro
         35                  40                  45

Gly Thr Pro Thr Pro Thr Pro His Thr Ser Leu Gly Ser Pro Val Ser
     50                  55                  60

Ser Asp Pro Val His Met Ser Pro Leu Glu Pro Arg Gly Gly Gln Gly
 65                  70                  75                  80

Asp Gly Leu Ala Leu Val Leu Ile Leu Ala Phe Cys Val Ala Gly Ala
                 85                  90                  95

Ala Ala Leu Ser Val Ala Ser Leu Cys Trp Cys Arg Leu Gln Arg Glu
            100                 105                 110

Ile Arg Leu Thr Gln Lys Ala Asp Tyr Ala Thr Ala Lys Ala Pro Gly
        115                 120                 125

Ser Pro Ala Ala Pro Arg Ile Ser Pro Gly Asp Gln Arg Leu Ala Gln
    130                 135                 140

Ser Ala Glu Met Tyr His Tyr Gln His Gln Arg Gln Gln Met Leu Cys
145                 150                 155                 160

Leu Glu Arg His Lys Glu Pro Pro Lys Glu Leu Asp Thr Ala Ser Ser
                165                 170                 175

Asp Glu Glu Asn Glu Asp Gly Asp Phe Thr Val Tyr Glu Cys Pro Gly
            180                 185                 190

Leu Ala Pro Thr Gly Glu Met Glu Val Arg Asn Pro Leu Phe Asp His
        195                 200                 205

Ala Ala Leu Ser Ala Pro Leu Pro Ala Pro Ser Ser Pro Pro Ala Leu
    210                 215                 220
```

Pro
225

<210> 5267
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5267
Xaa Phe Cys Val Ala Gly Ala Ala Ala Leu Ser Val Ala Ser Leu Cys
1 5 10 15

Trp Cys Arg Leu Gln Arg Glu Ile Arg Leu Thr Gln Lys Ala Asp Tyr
20 25 30

Ala Thr Ala Lys Ala Pro Gly Ser Pro Ala Ala Pro Arg Ile Ser Pro
35 40 45

Gly Asp Gln Arg Leu Ala Gln Ser Ala Glu Met Tyr His Tyr Gln His
50 55 60

Gln Arg Gln Gln Met Leu Cys Leu Glu Arg Xaa Glu Val Gly Xaa Xaa
65 70 75 80

Pro Thr Ser Arg Leu Gly His Trp His Leu Glu Gly Met Gly Arg Thr
85 90 95

Gln Arg Ser Pro Pro Thr Gln Ala

BNSDOCID: <WO___0122920A2_I_>

100

<210> 5268
<211> 86
<212> PRT
<213> Homo sapiens

<400> 5268
Glu Pro His Leu Ser Met Cys Lys Arg Cys Ile Pro Arg Pro Val Asn
1 5 10 15

Gly Ser Leu Arg Lys Phe Cys Met Gln Ala Val Phe Ser Ser Arg Thr
20 25 30

Asn Asn Trp Glu Ile Ser Lys Lys Leu His Arg Ser Pro Ala Trp Cys
35 40 45

Cys Ser Ser Leu Tyr Phe Thr Leu Asn Ser Gly Trp Glu Glu Lys Gly
50 55 60

Asn Lys Leu Trp Leu Phe Pro Ser Gln Lys Tyr Cys Gly Thr Ser Thr
65 70 75 80

Phe Gln Cys Phe Ala Phe
85

<210> 5269
<211> 78
<212> PRT
<213> Homo sapiens

<400> 5269
His Cys Glu Cys Cys Ser Asp Ile Leu Tyr Arg His Leu Thr Ala Gln
1 5 10 15

Asn Phe Cys Phe Ile Ser Cys Leu Thr Tyr Gln Lys Gly Arg Lys Val
20 25 30

Gly Met Ile Ser Lys Val Lys Lys Lys Lys Lys Lys Lys Thr Phe Tyr
35 40 45

Arg Lys Leu Ile Asn Asn His Val Ile Leu Gln Phe Cys Tyr Gln Asn
50 55 60

Phe Pro Gln Glu Phe Ser Asn Ile Ser Ser Ala Met Trp Leu
65 70 75

<210> 5270
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5270
Arg Pro Val Arg Thr Tyr Xaa Ala Lys Leu Leu Ala Phe Gly Ile Pro
1 5 10 15

Leu Asp Asn Val Gly Phe Lys Pro Leu Glu Thr Ala Val Ile Gly Gln
20 25 30

Thr Leu Gly Gln Gly Pro Ala Gly Leu Val Gly Thr Pro Thr
35 40 45

<210> 5271
<211> 49
<212> PRT
<213> Homo sapiens

<400> 5271
Lys Ile Phe Cys Arg Asp Lys Leu Ser Leu Cys Phe Pro Gly Trp Ser
1 5 10 15

Arg Thr Ser Gly Leu Lys Arg Phe Phe Cys Leu Ser Leu Gln Asn Tyr
20 25 30

Trp Asp Tyr Ser Met Ser His His Ala Gln Leu Tyr Ser Leu Leu Ile
35 40 45

Tyr

<210> 5272
<211> 68
<212> PRT
<213> Homo sapiens

<400> 5272
Lys Glu Ala Val Phe Pro Arg Lys Thr His Gln Pro Gly Leu Arg Lys

```
  1               5                  10                  15

Lys Met Gly Pro Pro Ser Glu Gly Met Trp Trp Trp Lys His Ser Thr
            20                  25                  30

Gly Pro Gly Phe Gly Ala Ser Phe Pro Pro Pro Gln Pro Met Leu Thr
        35                  40                  45

Leu Pro Gly Lys Ala Pro Gly Ser Pro Gln Gly Arg Arg Lys Lys Arg
    50                  55                  60

Gly Leu Cys Ser
65
```

<210> 5273
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5273

```
Arg Thr Lys Arg Thr His Ala Gly Gly Arg Ser Arg Xaa Val Asp Pro
  1               5                  10                  15

Arg Ala Ala Glu Phe Gly Thr Ala Arg Leu Gly Ser Leu Cys Lys Thr
            20                  25                  30

Ser Pro Phe Leu Glu Met Met Met Pro Ser Lys Pro Gly Pro Gly Pro
        35                  40                  45

Asp Leu Gln Ala His Thr Trp Pro Val Ala Leu Arg Ser Pro Gly
    50                  55                  60
```

<210> 5274
<211> 257
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (256)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5274

```
Cys Ser Ile Asn Gly Thr Leu Tyr Gln Pro Gly Ala Val Val Ser Ser
  1               5                  10                  15

Ser Leu Cys Glu Thr Cys Arg Cys Glu Leu Pro Gly Gly Pro Pro Ser
             20                  25                  30

Asp Ala Phe Val Val Ser Cys Glu Thr Gln Ile Cys Asn Thr His Cys
         35                  40                  45

Pro Val Gly Phe Glu Tyr Gln Glu Gln Ser Gly Gln Cys Cys Gly Thr
     50                  55                  60

Cys Val Gln Val Ala Cys Val Thr Asn Thr Ser Lys Ser Pro Ala His
 65                  70                  75                  80

Leu Phe Tyr Pro Gly Glu Thr Trp Ser Asp Ala Gly Asn His Cys Val
                 85                  90                  95

Thr His Gln Cys Glu Lys His Gln Asp Gly Leu Val Val Val Thr Thr
            100                 105                 110

Lys Lys Ala Cys Pro Pro Leu Xaa Cys Ser Leu Asp Glu Ala Arg Met
        115                 120                 125

Ser Lys Asp Gly Cys Cys Arg Phe Cys Pro Xaa Pro Xaa Pro Pro Tyr
    130                 135                 140

Gln Asn Gln Ser Thr Cys Ala Val Tyr His Arg Ser Leu Ile Ile Gln
145                 150                 155                 160

Gln Gln Gly Cys Ser Ser Ser Glu Pro Val Arg Leu Ala Tyr Cys Arg
                165                 170                 175

Gly Asn Cys Gly Asp Ser Ser Ser Met Tyr Ser Leu Glu Gly Asn Thr
            180                 185                 190
```

```
Val Glu His Arg Cys Gln Cys Cys Gln Glu Leu Arg Thr Ser Leu Arg
        195                 200                 205

Asn Val Thr Leu His Cys Thr Asp Gly Ser Ser Arg Ala Phe Ser Tyr
    210                 215                 220

Thr Glu Val Glu Glu Cys Gly Cys Met Gly Arg Arg Cys Pro Ala Pro
225                 230                 235                 240

Gly Asp Thr Gln His Ser Glu Glu Ala Glu Pro Glu Pro Ser Gln Xaa
                245                 250                 255

Ala
```

<210> 5275
<211> 58
<212> PRT
<213> Homo sapiens

<400> 5275

```
Asn Phe Lys Ser Ile His Phe Thr His Leu Phe Cys Leu Phe Thr Lys
  1               5                  10                  15

Leu Phe Leu Lys Arg Ala Leu Cys His Gln Asn Met Leu Asp Leu Ile
             20                  25                  30

Ile Leu Arg Ser Leu Leu Ser Lys Tyr Leu Val Tyr Ile Phe Ser Leu
         35                  40                  45

Ala Asn Leu Cys Val Tyr Ile His Ser Ile
     50                  55
```

<210> 5276
<211> 205
<212> PRT
<213> Homo sapiens

<400> 5276

```
Asn Ser Ala Glu Ala Val Glu Arg Asn Leu Val Arg Val Ala Glu Val
  1               5                  10                  15

Trp Leu Asp Glu Tyr Lys Glu Leu Phe Tyr Gly His Gly Asp His Leu
             20                  25                  30

Ile Asp Gln Gly Leu Asp Val Gly Asn Leu Thr Gln Gln Arg Glu Leu
```

35 40 45

Arg Lys Lys Leu Lys Cys Lys Ser Phe Lys Trp Tyr Leu Glu Asn Val
50 55 60

Phe Pro Asp Leu Arg Ala Pro Ile Val Arg Ala Ser Gly Val Leu Ile
65 70 75 80

Asn Val Ala Leu Gly Lys Cys Ile Ser Ile Glu Asn Thr Thr Val Ile
85 90 95

Leu Glu Asp Cys Asp Gly Ser Lys Glu Leu Gln Gln Phe Asn Tyr Thr
100 105 110

Trp Leu Arg Leu Ile Lys Cys Gly Glu Trp Cys Ile Ala Pro Ile Pro
115 120 125

Asp Lys Gly Ala Val Arg Leu His Pro Cys Asp Asn Arg Asn Lys Gly
130 135 140

Leu Lys Trp Leu His Lys Ser Thr Ser Val Phe His Pro Glu Leu Val
145 150 155 160

Asn His Ile Val Phe Glu Asn Asn Gln Gln Leu Leu Cys Leu Glu Gly
165 170 175

Asn Phe Ser Gln Lys Ile Leu Lys Val Ala Ala Cys Asp Pro Val Lys
180 185 190

Pro Tyr Gln Lys Trp Lys Phe Glu Lys Tyr Tyr Glu Ala
195 200 205

<210> 5277
<211> 188
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO___0122920A2_I_>

<222> (177)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (183)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (188)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5277

```
Pro Leu Ala Met Asp Ser Gln Lys Glu Ala Leu Gln Arg Ile Ile Ser
  1               5                  10                  15

Thr Leu Ala Asn Lys Asn Asp Glu Ile Gln Asn Phe Ile Asp Thr Leu
             20                  25                  30

His His Thr Leu Lys Gly Val Gln Glu Asn Ser Ser Asn Ile Leu Ser
         35                  40                  45

Glu Leu Asp Glu Glu Phe Asp Ser Leu Tyr Ser Ile Leu Asp Glu Val
     50                  55                  60

Lys Glu Ser Met Ile Asn Cys Ile Lys Gln Glu Gln Ala Arg Lys Ser
 65                  70                  75                  80

Gln Glu Leu Gln Ser Gln Ile Ser Gln Cys Asn Asn Ala Leu Glu Asn
                 85                  90                  95

Ser Glu Glu Leu Leu Glu Phe Ala Thr Arg Ser Leu Asp Ile Lys Glu
            100                 105                 110

Pro Glu Glu Phe Ser Lys Ala Ala Arg Gln Ile Lys Asp Arg Val Thr
        115                 120                 125

Met Ala Ser Ala Phe Arg Leu Ser Leu Lys Pro Lys Val Ser Asp Asn
    130                 135                 140

Met Thr His Leu Met Val Asp Phe Ser Gln Glu Arg Gln Met Leu Gln
145                 150                 155                 160

Thr Leu Lys Phe Phe Ala Ser Pro Gln Xaa Ser Xaa Ile Asp Pro Val
                165                 170                 175

Xaa Ile Val Trp Val Gly Xaa Ile Thr Ser Cys Xaa
            180                 185
```

<210> 5278
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5278
Phe Lys Ala Ile Asp Asp Leu Tyr Val Gln Ile Lys Glu Lys His Val
1 5 10 15

Trp Glu Lys Asp Cys His Phe Tyr Val Asn Xaa Lys Val Leu Ser Glu
20 25 30

Leu Tyr Leu Lys Lys Arg Arg Phe Tyr Lys Ser Lys Glu Ser Leu Asn
35 40 45

Thr Met Asn Lys Gly
50

<210> 5279
<211> 59
<212> PRT
<213> Homo sapiens

<400> 5279
Ile Ile Tyr Ile Phe Leu Lys Pro Glu Leu Lys Met Leu Gln Ala Thr
1 5 10 15

Gly Tyr Ser Phe Ile Ser Gly Ser Leu Thr Val Val Ser Leu Gly Gln
20 25 30

Ala Ile Ser Leu Lys Glu Lys Leu Ile Met Tyr Val Gly Cys Gln Asp
35 40 45

His Cys Leu Glu Ser Lys Cys Asp Phe Tyr Phe
50 55

<210> 5280
<211> 84
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I >

<400> 5280
Asn Leu Ser Val Ala Leu Cys Leu Cys Ser Pro Gln Arg Lys Val Thr
1 5 10 15

Arg Arg Gly Val Gln Phe Pro Arg Pro Gly Pro Tyr Arg Pro Pro Thr
20 25 30

Gly Ala Pro Leu Cys Cys Tyr Ser Phe Cys Gln Leu Glu Ala Asp Gly
35 40 45

Asp Gln Ala Leu Glu Lys Ala Arg Pro Glu Asp Gly Arg Phe Leu Ser
50 55 60

Gly Gly Glu Leu Cys Leu Thr Asp Leu Asn Ile His Ser Val Leu Leu
65 70 75 80

Cys Glu Asn Lys

<210> 5281
<211> 114
<212> PRT
<213> Homo sapiens

<400> 5281
Ser Lys Gly Ile Leu Val Phe Asn Leu Asp Arg Leu Arg Cys Gln Glu
1 5 10 15

Lys Leu Gln Ser Gln Val Ser Arg Gln Pro Pro Gly Trp Ser Leu Ala
20 25 30

Pro Pro Pro Pro Pro Leu Pro Thr Phe Ser Asn Val Leu His Ala Gly
35 40 45

Ser Trp Gly Val Trp Gly Lys Gly Leu Pro Ala Ser Phe Arg Arg Leu
50 55 60

Arg Phe Gly Gly Lys Ile Asn Leu Gly Asp His Pro Gly Arg Gly Ala
65 70 75 80

Ser Val Asp Arg Trp Glu Glu Lys Lys Thr Ser Tyr Leu Gly Gly Gly
85 90 95

Thr Ser Arg Phe Leu Ile Leu Ser Phe Phe Val Ala Pro Pro His Cys
100 105 110

Pro Phe

<210> 5282
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5282
Leu Lys Leu Asn Thr Glu Arg Asp Phe Leu Ser Cys Lys Lys Phe Ile
1 5 10 15

Asn Ala Lys Gln Lys Glu Asn Ile Tyr Phe Leu Ser Leu Gln Glu Lys
20 25 30

Gln Thr Lys His Tyr Ser Phe Ile Ala Ala Ile Leu Leu Thr Lys Gln
35 40 45

Xaa Val His Asn Ile Lys Asn Leu Thr
50 55

<210> 5283
<211> 61
<212> PRT
<213> Homo sapiens

<400> 5283
Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Ala Ala Ala
1 5 10 15

Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Asp Phe
20 25 30

Leu Cys Met Cys Phe Phe Pro Asp Ser Tyr Ile Ile Gly Tyr Leu Pro
35 40 45

Thr Thr Pro Tyr Thr Tyr Tyr Phe Gln Asn Leu Ser Arg
50 55 60

<210> 5284
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5284

```
Lys Thr Tyr Lys Ile Gln Arg Ser Tyr Arg Ser Cys Ala Leu Tyr Asn
  1               5                  10                  15

Val Ile Ile Val Thr Lys Gly Leu Ser Thr Trp Lys Phe Leu Asn Asp
             20                  25                  30

Leu Leu Asn Asn Ser Phe Lys Gly Glu Ile Lys Ile Asn Cys Lys Leu
         35                  40                  45

Phe Arg Ile Asn Lys Asn Phe Ser Lys Ala Glu Glu Phe Tyr Xaa Arg
     50                  55                  60

Gly Val Arg Gly Asn Cys Ile Asp Phe Xaa Leu Leu Xaa Xaa Glu Glu
 65                  70                  75                  80
```

BNSDOCID: <WO__0122920A2 I >

Arg Lys Xaa Lys Glu Xaa Ile Lys Xaa Phe Lys Ser
85 90

<210> 5285
<211> 557
<212> PRT
<213> Homo sapiens

<400> 5285
Arg Ala Cys Ala Leu Val Arg Ser Arg Arg Trp Gly Pro Asn Gln Pro
1 5 10 15

Arg Leu Arg Gly Pro Gln Ser Arg Thr Lys Thr Glu Gly Gly Ala Ala
20 25 30

Ser Gly Leu Arg Arg Leu His Thr Glu Arg Ala Pro Gly Pro Glu Gly
35 40 45

Ala Met Leu Trp Phe Gln Gly Ala Ile Pro Ala Ala Ile Ala Thr Ala
50 55 60

Lys Arg Ser Gly Ala Val Phe Val Val Phe Val Ala Gly Asp Asp Glu
65 70 75 80

Gln Ser Thr Gln Met Ala Ala Ser Trp Glu Asp Asp Lys Val Thr Glu
85 90 95

Ala Ser Ser Asn Ser Phe Val Ala Ile Lys Ile Asp Thr Lys Ser Glu
100 105 110

Ala Cys Leu Gln Phe Ser Gln Ile Tyr Pro Val Val Cys Val Pro Ser
115 120 125

Ser Phe Phe Ile Gly Asp Ser Gly Ile Pro Leu Glu Val Ile Ala Gly
130 135 140

Ser Val Ser Ala Asp Glu Leu Val Thr Arg Ile His Lys Val Arg Gln
145 150 155 160

Met His Leu Leu Lys Ser Glu Thr Ser Val Ala Asn Gly Ser Gln Ser
165 170 175

Glu Ser Ser Val Ser Thr Pro Ser Ala Ser Phe Glu Pro Asn Asn Thr
180 185 190

Cys Glu Asn Ser Gln Ser Arg Asn Ala Glu Leu Cys Glu Ile Pro Pro
195 200 205

BNSDOCID: <WO__0122920A2 I_>

Thr Ser Asp Thr Lys Ser Asp Thr Ala Thr Gly Gly Glu Ser Ala Gly
210 215 220

His Ala Thr Ser Ser Gln Glu Pro Ser Gly Cys Ser Asp Gln Arg Pro
225 230 235 240

Ala Glu Asp Leu Asn Ile Arg Val Glu Arg Leu Thr Lys Lys Leu Glu
245 250 255

Glu Arg Arg Glu Glu Lys Arg Lys Glu Glu Glu Gln Arg Glu Ile Lys
260 265 270

Lys Glu Ile Glu Arg Arg Lys Thr Gly Lys Glu Met Leu Asp Tyr Lys
275 280 285

Arg Lys Gln Glu Glu Glu Leu Thr Lys Arg Met Leu Glu Glu Arg Asn
290 295 300

Arg Glu Lys Ala Glu Asp Arg Ala Ala Arg Glu Arg Ile Lys Gln Gln
305 310 315 320

Ile Ala Leu Asp Arg Ala Glu Arg Ala Ala Arg Phe Ala Lys Thr Lys
325 330 335

Glu Glu Val Glu Ala Ala Lys Ala Ala Ala Leu Leu Ala Lys Gln Ala
340 345 350

Glu Met Glu Val Lys Arg Glu Ser Tyr Ala Arg Glu Arg Ser Thr Val
355 360 365

Ala Arg Ile Gln Phe Arg Leu Pro Asp Gly Ser Ser Phe Thr Asn Gln
370 375 380

Phe Pro Ser Asp Ala Pro Leu Glu Glu Ala Arg Gln Phe Ala Ala Gln
385 390 395 400

Thr Val Gly Asn Thr Tyr Gly Asn Phe Ser Leu Ala Thr Met Phe Pro
405 410 415

Arg Arg Glu Phe Thr Lys Glu Asp Tyr Lys Lys Lys Leu Leu Asp Leu
420 425 430

Glu Leu Ala Pro Ser Ala Ser Val Val Leu Leu Pro Ala Gly Arg Pro
435 440 445

Thr Ala Ser Ile Val His Ser Ser Ser Gly Asp Ile Trp Thr Leu Leu
450 455 460

Gly Thr Val Leu Tyr Pro Phe Leu Ala Ile Trp Arg Leu Ile Ser Asn
465 470 475 480

BNSDOCID: <WO__ 0122920A2 I >

```
Phe Leu Phe Ser Asn Pro Pro Pro Thr Gln Thr Ser Val Arg Val Thr
                485                 490                 495

Ser Ser Glu Pro Pro Asn Pro Ala Ser Ser Ser Lys Ser Glu Lys Arg
            500                 505                 510

Glu Pro Val Arg Lys Arg Val Leu Glu Lys Arg Gly Asp Asp Phe Lys
        515                 520                 525

Lys Glu Gly Lys Ile Tyr Arg Leu Arg Thr Gln Asp Asp Gly Glu Asp
    530                 535                 540

Glu Asn Asn Thr Trp Asn Gly Asn Ser Thr Gln Gln Met
545                 550                 555
```

<210> 5286
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5286

```
Asn Asp Gln Asn Pro Glu Ser Gln Trp Ser Asn Asn Lys His Thr Gln
  1               5                  10                  15

Ile Asp Cys Leu Ile Asn Ser Phe Xaa Leu Val Phe Lys Ser Asn Thr
            20                  25                  30

Phe Phe Lys Ser Pro Leu Xaa Lys Met Ile Ile
        35                  40
```

<210> 5287
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5287

```
Thr Gly Trp Xaa Xaa Cys Pro Xaa Pro Gly Pro Gly Arg Arg Thr Met
 1               5                  10                  15

Ser Arg Gln Lys Glu Thr Leu Gln Ser Ala Phe Pro Ser Met Cys Ala
            20                  25                  30

Leu Cys Pro Ser Glu Pro Ala Asp Xaa Arg Gly Gly Lys Asp Thr Val
        35                  40                  45

Leu Asn Glu Gln Asn Leu Gln Asp Thr Gln Ser Cys Leu Phe Ala Thr
    50                  55                  60

Trp Pro Tyr Ala Cys Pro Val Phe Ser Leu Lys Ala Phe Thr His Ala
65                  70                  75                  80

Arg Ala Val Thr Trp Asn Val Leu Ser Ile Thr Pro Ala Val Met Pro
                85                  90                  95

Ser Thr Glu Leu Asp Gly Arg Pro Leu His Gly Ser Leu Lys Arg Ser
            100                 105                 110

His Pro Ser Asn Trp Val Cys His Arg His Thr Gly Ser Cys Leu Pro
        115                 120                 125

Val Leu Pro Val Val Ile Val Met Arg Ile Val Val Leu His Pro
    130                 135                 140
```

<210> 5288
<211> 48
<212> PRT

<213> Homo sapiens

<400> 5288

```
Ser Gly Gln Glu Pro Gly Phe Gln Gln Arg Glu Leu Glu Asn Glu Pro
  1               5                  10                  15

Arg Gly Ala Gly Ala Gly Gly Val Gly Glu Cys Gln Arg Ala Gly Met
             20                  25                  30

Asn Trp Gln Val Ala Trp Arg Gly Gly Leu Val Pro Lys Pro Val Leu
         35                  40                  45
```

<210> 5289
<211> 232
<212> PRT
<213> Homo sapiens

<400> 5289

```
Pro Ala Ser Ala Thr Thr Arg Thr Gly Pro Arg Pro Gly Pro Ala Pro
  1               5                  10                  15

Arg Cys Pro Leu Pro Ala Pro Gly His Ser Cys Thr Gln Ala Pro Pro
             20                  25                  30

Arg Glu His Thr Ala Val His Thr Arg Glu Lys Gln Gln Leu Ala Ser
         35                  40                  45

Leu Val Gly Thr Met Leu Ala Tyr Ser Leu Thr Tyr Arg Gln Glu Arg
     50                  55                  60

Thr Pro Asp Gly Gln Tyr Ile Tyr Arg Leu Glu Pro Asn Val Glu Glu
 65                  70                  75                  80

Leu Cys Arg Phe Pro Glu Leu Pro Ala Arg Lys Pro Leu Thr Tyr Gln
                 85                  90                  95

Thr Lys Gln Leu Ile Ala Arg Glu Ile Glu Val Glu Lys Met Arg Arg
            100                 105                 110

Ala Glu Ala Ser Ala Arg Val Glu Asn Ser Pro Gln Val Asp Gly Ser
        115                 120                 125

Pro Pro Gly Leu Glu Gly Leu Leu Gly Gly Ile Gly Glu Lys Gly Val
    130                 135                 140

His Arg Pro Ala Pro Arg Asn His Glu Gln Arg Leu Glu His Ile Met
```

BNSDOCID: <WO__ 0122920A2_! >

145 150 155 160

Arg Arg Ala Ala Arg Glu Glu Gln Pro Glu Lys Asp Phe Phe Gly Arg
165 170 175

Val Val Val Arg Ser Thr Ala Val Pro Ser Ala Gly Asp Thr Ala Pro
180 185 190

Glu Gln Asp Ser Val Glu Arg Arg Met Gly Thr Ala Val Gly Arg Ser
195 200 205

Glu Val Trp Phe Arg Phe Asn Glu Gly Val Ser Asn Ala Val Arg Arg
210 215 220

Ser Leu Tyr Ile Arg Asp Leu Leu
225 230

<210> 5290
<211> 92
<212> PRT
<213> Homo sapiens

<400> 5290
Ser Ile Thr Cys His Arg Glu Ser Glu Phe Leu Tyr Cys Leu Pro Ala
1 5 10 15

Ala Arg Thr Lys Ser Glu Trp Trp Gly Pro Arg Ser Ser Gln Leu Gly
20 25 30

Glu Lys Ala Leu Pro Asp Pro Gly Thr Arg Gly Leu Gly Gln Glu Ala
35 40 45

Gly Arg Met Gly Gly Cys Asp His Arg His Thr His Thr Arg Ser Leu
50 55 60

Ser Ser Gly Lys Gly Phe Pro Glu Ala Phe Ala His Thr Leu Asn Glu
65 70 75 80

Val Phe Ser Cys Gln Ala Lys Pro Pro Glu Glu Lys
85 90

<210> 5291
<211> 40
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO_ 0122920A2 1 >

<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5291
Thr Ile Lys Cys Leu Leu Leu Tyr Lys Lys Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
20 25 30

Lys Lys Lys Lys Gly Xaa Pro Xaa
35 40

<210> 5292
<211> 50
<212> PRT
<213> Homo sapiens

<400> 5292
Val Glu Asn Leu Gln Arg Asn Asp Gly Cys Lys Trp Thr Cys Lys Pro
1 5 10 15

Lys Leu Gly Ile Gly Glu Val Arg Leu Thr Arg Leu Leu Val Arg Val
20 25 30

Leu Leu Asn Ser Leu Leu Met Arg Arg Cys Leu Asp Lys Tyr Lys Leu
35 40 45

Arg Lys
50

<210> 5293
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5293
Lys Pro Leu Ala Lys Xaa Arg Gly Ile Phe Phe Phe Ile Phe Lys Cys
1 5 10 15

Leu Gly Thr Lys Pro Lys Ser Lys Arg Leu Thr Lys His Val Ser Leu
20 25 30

Lys Ala Thr Cys Ile Leu Gln Tyr Asn Ile Lys Leu Phe Asn Leu Arg
35 40 45

Asn Leu Val Leu Leu Ile Cys Thr Phe
50 55

<210> 5294
<211> 40
<212> PRT
<213> Homo sapiens

<400> 5294
Arg Thr Phe Met Lys Arg Trp Asn Cys Ser Tyr Lys Phe Phe Leu Leu
1 5 10 15

Leu Leu Phe Leu Asn Met Pro Trp Asn Asn Ser Thr Ile Phe Ser Pro
20 25 30

Ser Ile Asn Leu Ser Asn Lys Ala
35 40

<210> 5295
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5295
Asn Cys Glu Asp Ile Leu Lys Leu Cys Leu Val Tyr Lys Tyr Lys Asp
1 5 10 15

Phe His Thr Asp Asn Tyr Gln Ile Pro Asn Thr Phe Thr Gly Lys Lys
20 25 30

Pro Ser Val Lys Xaa Leu Pro Gly Ser Ser Ser Leu Lys Phe Ser Xaa
35 40 45

Xaa

<210> 5296
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5296
Thr Thr Leu Xaa Arg Arg Ser Ser Leu Leu Asn Tyr Ile His Pro Asp
1 5 10 15

Cys Gly Asp Asn His Thr Pro Gln Phe Arg Xaa Tyr Tyr Tyr Tyr Gln

20 25 30

Ser Val Gln Gly Leu Cys Trp Leu Ile Leu Phe Phe Tyr Pro Leu Tyr
35 40 45

His Tyr Ser Pro Ile Ser Ser Xaa Thr Phe Ile Ser Lys Asn Leu Ile
50 55 60

Val Trp His Leu Ser Leu Asp Met Glu Cys Phe Phe Xaa Lys Xaa
65 70 75

<210> 5297
<211> 59
<212> PRT
<213> Homo sapiens

<400> 5297
Met Phe Gly Leu Tyr Leu Val Leu Asp Pro Glu Leu Pro Phe Ser Lys
1 5 10 15

Tyr Leu Asn Asp Tyr Tyr Tyr Phe Ile Ser Leu Phe Tyr Thr His Thr
20 25 30

Arg Thr His Thr His Arg Glu Met Leu Phe Met Arg Phe Cys Ile Phe
35 40 45

His Ile Leu His Ile Leu Tyr Met Ile Asp Glu
50 55

<210> 5298
<211> 183
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5298

```
Gln Gly Phe Glu Arg Gln Thr Thr Ala Ala Val Gly Val Leu Lys Ala
  1               5                  10                  15

Val His Cys Gly Glu Trp Pro Asp Gln Pro Arg Leu Thr Lys Asp Val
             20                  25                  30

Ile Cys Phe His Ala Glu Asp Phe Leu Glu Val Val Gln Arg Met Gln
         35                  40                  45

Leu Asp Leu His Glu Pro Pro Leu Ser Gln Cys Val Gln Trp Val Asp
     50                  55                  60

Asp Ala Lys Leu Asn Gln Leu Arg Arg Glu Gly Ile Arg Tyr Ala Arg
 65                  70                  75                  80

Ile Gln Leu Tyr Asp Asn Asp Ile Tyr Phe Ile Pro Arg Asn Val Val
                 85                  90                  95

His Gln Phe Lys Thr Val Ser Ala Val Cys Xaa Leu Ala Trp Xaa Ile
            100                 105                 110

Arg Leu Lys Leu Tyr His Ser Glu Glu Asp Xaa Ser Gln Asn Thr Ala
        115                 120                 125

Thr His Glu Thr Gly Thr Ser Ser Asp Ser Thr Ser Ser Val Leu Gly
    130                 135                 140

Pro His Thr Asp Asn Met Ile Cys Ala Val Ser Lys Pro Pro Trp Ile
145                 150                 155                 160

Leu Phe Phe Gln Ile Asn Phe Ile Leu Asn Met Asn Tyr Ser Arg Leu
                165                 170                 175

Asn Met Asn Leu Leu His Leu
            180
```

<210> 5299
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5299
Ile Ser His Phe Trp Glu Gln Thr Pro Ile Lys Val Pro Gly Asp Tyr
1 5 10 15

Leu Gln Trp Xaa Ala Glu Gln Lys Ile Ser Ala Val Leu Ile Ile Val
20 25 30

Val Thr Trp Val Thr Pro Pro Asn Thr Leu Cys Glu Leu Ser Glu Ile
35 40 45

Phe Gly Asn Phe Leu Met Tyr Ile Leu Glu Ile Leu Asn Val Gln Ile
50 55 60

Trp Ser Ser Ile
65

<210> 5300
<211> 93
<212> PRT
<213> Homo sapiens

<400> 5300
Trp Gln Ser Val His Arg Ser Trp Leu Leu Ser Leu Leu Asn Leu Cys
1 5 10 15

Lys Arg Ser Leu Ser Asp Glu Gly Arg Ile Met Val Leu Leu Ala Leu
20 25 30

Ala Phe Pro Phe Cys Asp Leu Lys Ala Ser Ser Leu Arg Pro His Ser
35 40 45

Met Ala Pro Val Pro Tyr Ser His Ser Cys Leu Leu Lys Leu Pro Thr
50 55 60

Leu Leu Asn Cys Phe Trp Gly Glu Glu His Phe Phe Leu Lys Gln Asn
65 70 75 80

Arg Tyr Met Lys Gln Tyr Thr Gly Ile Asn Thr Asn Ile
85 90

<210> 5301
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO__0122920A2 I. >

<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5301
Phe Ser Pro Lys Ala Val Leu Leu Arg Leu Cys Phe Thr Ser Ile Tyr
1 5 10 15

Lys Leu Tyr Val Lys Cys Cys His Lys Glu Val Ser Glu Ala Val Gly
20 25 30

His Thr Gln Gly Arg Ala Glu Lys Tyr Leu Val Val Cys Xaa Xaa Xaa
35 40 45

Lys Pro Trp Met Ala Ala Ala Thr Xaa Pro Ala Tyr Pro Phe Thr Ala
50 55 60

Xaa Val Tyr Ser Leu Arg Xaa Leu Thr Thr Arg
65 70 75

<210> 5302
<211> 82
<212> PRT
<213> Homo sapiens

<400> 5302
Glu Leu Pro Ser Lys Arg Gln Ala Phe Val Ile Ser Met Glu Phe Glu
1 5 10 15

Gly Ser Trp Thr Ile Cys Lys Asp Ile Leu Thr Cys Ser Leu Arg Ser
20 25 30

Leu Ser Ser Ser Lys Arg Met Ala Arg Val Cys Gly Ile Ile Leu Ser
35 40 45

Thr Tyr Cys Cys Phe Phe Val Val Leu Leu Met Gln Val Ile Ile Tyr
50 55 60

Phe Leu Gly Val Ile Trp Arg Lys Ser Met Arg Gln Ala Cys Phe Ser
65 70 75 80

Pro Val

<210> 5303
<211> 272
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (220)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5303
Asp Cys Val Thr Glu Leu Ser Val His His Arg Asn Asn Arg Gln Thr
1 5 10 15

Met Glu Asp Leu Ile Ser Leu Trp Gln Tyr Asp His Leu Thr Ala Thr
20 25 30

Tyr Leu Leu Leu Leu Ala Lys Lys Ala Arg Gly Lys Pro Val Arg Leu
35 40 45

Arg Leu Ser Ser Phe Ser Cys Gly Gln Ala Ser Ala Thr Pro Phe Thr
50 55 60

Asp Ile Lys Ser Asn Asn Trp Ser Leu Glu Asp Val Thr Ala Ser Asp
65 70 75 80

Lys Asn Tyr Val Ala Gly Leu Ile Asp Tyr Asp Trp Cys Glu Asp Asp
85 90 95

Leu Ser Thr Gly Ala Ala Thr Pro Arg Thr Ser Gln Phe Thr Lys Tyr

100 105 110

Trp Thr Glu Ser Asn Gly Val Glu Ser Lys Ser Leu Thr Pro Ala Leu
115 120 125

Cys Arg Thr Pro Ala Asn Lys Leu Lys Asn Lys Glu Asn Val Tyr Thr
130 135 140

Pro Lys Ser Ala Val Lys Asn Glu Glu Tyr Phe Met Phe Pro Glu Pro
145 150 155 160

Lys Thr Pro Val Asn Lys Asn Gln His Lys Arg Glu Ile Leu Thr Thr
165 170 175

Pro Asn Arg Tyr Thr Thr Pro Ser Lys Ala Arg Asn Gln Cys Leu Lys
180 185 190

Glu Thr Pro Ile Lys Ile Pro Val Asn Ser Thr Gly Thr Asp Lys Leu
195 200 205

Met Thr Gly Val Ile Ser Pro Glu Arg Arg Cys Xaa Gln Trp Asn Trp
210 215 220

Ile Ser Thr Lys His Ile Trp Arg Arg Leu Gln Lys Glu Arg Glu Pro
225 230 235 240

Lys Cys Leu Gly Ala Leu Lys Gly Gly Trp Ile Arg Leu Ser Leu Cys
245 250 255

Ser Pro Gly Ala Lys Gly Arg Val Leu Pro Glu Thr Gly Pro Glu Asp
260 265 270

<210> 5304
<211> 35
<212> PRT
<213> Homo sapiens

<400> 5304
Phe Leu Gly Ala Pro Ser Ile Cys Ala Gly Asp Glu Glu Gly Thr Glu
1 5 10 15

Ile Asp Thr Leu Gln Phe Arg Leu Gln Val Arg Cys Thr Arg Glu Pro
20 25 30

Pro Cys Cys
35

<210> 5305
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5305
Asp Phe Leu Lys Gly Ser Lys Ala Phe Ala Cys Tyr Leu Cys Phe Phe
1 5 10 15

Ser Pro Lys Pro Lys Gln Lys Ile Met Pro Leu Cys Gln Thr Phe Leu
20 25 30

Leu Gly Thr Ser Thr Xaa Ser Gln Leu Xaa Lys Tyr Asn Val Tyr Ile
35 40 45

Ala Gln Phe Tyr Asn Leu Ser Met Ala Gln Ile Leu Glu Thr Tyr Lys
50 55 60

Leu Asp Asp His Arg Asp Ile Val Val Asn Ile Trp Ala Trp Asn Gln
65 70 75 80

Arg Thr Leu Gly Ser Asn Leu Ser Phe Lys Ser Lys Lys Leu Asn Ser
85 90 95

Leu Ala Glu

<210> 5306
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5306
Arg Phe Asn Phe Pro Ala Ser Pro Glu Ala Arg Tyr Gly His Asn Thr
1 5 10 15

Lys Phe Cys Pro Arg Arg Leu Ser Lys Ile Val Trp Asp Phe Gln Glu
20 25 30

Met Phe Leu Lys Ser Xaa Ala Gly Leu Ser Ser Cys Leu Leu Pro Leu
35 40 45

Cys Trp Leu Glu Xaa Lys Asp His Gly Arg Arg Pro Ser Ser His Pro
50 55 60

Gly Arg
65

<210> 5307
<211> 148
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5307
Val Leu Tyr His Cys Ala Ser Arg Tyr Arg Arg Arg Ala Arg Gln Thr
1 5 10 15

Cys Xaa Pro Ser Tyr Thr Arg Ser Ala Asp Leu Pro Ser Arg Thr Pro
20 25 30

Pro Val Glu Asp Leu Leu Glu Leu Ser Arg Ala Phe Trp Val Gly Ala
35 40 45

Asp Gly Gly Gly Arg Val Arg Val Leu Gly Gly Thr Glu Ala His Glu
50 55 60

Asp Gly Ile Pro Pro Glu Ser Met Asp His Tyr Ala Asp Gly His Arg
65 70 75 80

Pro Gln His Cys His Leu Gly Tyr Arg Cys His Gly Arg Pro Gln Arg

85 90 95

Glu Gly Leu Pro Arg Cys Leu Lys Val Pro Pro Val Asn Leu Ser Ser
100 105 110

Val Ser Val Pro Phe Pro Val Thr His Arg Ala Gly Met Glu Phe Asn
115 120 125

Gly Cys Ser Gly Gln Thr Leu Val His Gly Gln Thr Ser Leu Leu Trp
130 135 140

Ile Leu Gln Asp
145

<210> 5308
<211> 77
<212> PRT
<213> Homo sapiens

<400> 5308
Met Lys Ile Phe Lys Leu Glu Leu Glu Glu Gly Val Val Glu Glu Gln
1 5 10 15

Gly Val Leu Leu His Pro Glu Val Val Gly Leu Leu Leu Pro Ala Val
20 25 30

Glu Pro Val Ile His Arg Glu Glu Val Leu Asp Gln Gln Glu Ala Phe
35 40 45

Glu Val Arg Glu Glu Val Pro Asn Asn Lys Glu Ala Ala Gly Arg Glu
50 55 60

Lys Gly Ser Arg Pro Val Leu Thr Cys Tyr Asn Glu Asp
65 70 75

<210> 5309
<211> 704
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5309

```
Xaa Gly Xaa Lys Gly Arg Glu Gly Lys Gly Gly Ser Arg Gly Gly Ala
 1               5                  10                  15

Arg Ala His Arg Glu Arg Ala Arg Arg Arg Val Glu Leu Asp Arg Val
            20                  25                  30

Cys Cys Gln Arg Arg Glu Leu Arg Pro Pro Phe Tyr Asn Ser Ser Thr
        35                  40                  45

Arg Ala Gly His Arg Glu Gln Arg Ala Arg Val Ser Arg Asn Pro Ile
    50                  55                  60

Pro Ser Asp Arg Ile Ser Pro Pro Gln Pro Asn Gly Glu Ile Ser Gly
65                  70                  75                  80

Asn Met Ala Thr Glu His Val Asn Gly Asn Gly Thr Glu Glu Pro Met
                85                  90                  95

Asp Thr Thr Ser Ala Val Ile His Ser Glu Asn Phe Gln Thr Leu Leu
            100                 105                 110

Asp Ala Gly Leu Pro Gln Lys Val Ala Glu Lys Leu Asp Glu Ile Tyr
        115                 120                 125

Val Ala Gly Leu Val Ala His Ser Asp Leu Asp Glu Arg Ala Ile Glu
    130                 135                 140

Ala Leu Lys Glu Phe Asn Glu Asp Gly Ala Leu Ala Val Leu Gln Gln
145                 150                 155                 160

Phe Lys Asp Ser Asp Leu Ser His Val Gln Asn Lys Ser Ala Phe Leu
                165                 170                 175

Cys Gly Val Met Lys Thr Tyr Arg Gln Arg Glu Lys Gln Gly Thr Lys
            180                 185                 190

Val Ala Asp Ser Ser Lys Gly Pro Asp Glu Ala Lys Ile Lys Ala Leu
        195                 200                 205

Leu Glu Arg Thr Gly Tyr Thr Leu Asp Val Thr Thr Gly Gln Arg Lys
    210                 215                 220

Tyr Gly Gly Pro Pro Pro Asp Ser Val Tyr Ser Gly Gln Gln Pro Ser
225                 230                 235                 240

Val Gly Thr Glu Ile Phe Val Gly Lys Ile Pro Arg Asp Leu Phe Glu
                245                 250                 255
```

BNSDOCID: <WO__ 0122920A2 !_>

```
Asp Glu Leu Val Pro Leu Phe Glu Lys Ala Gly Pro Ile Trp Asp Leu
            260                 265                 270

Arg Leu Met Met Asp Pro Leu Thr Gly Leu Asn Arg Gly Tyr Ala Phe
        275                 280                 285

Val Thr Phe Cys Thr Lys Glu Ala Ala Gln Glu Ala Val Lys Leu Tyr
    290                 295                 300

Asn Asn His Glu Ile Arg Ser Gly Lys His Ile Gly Val Cys Ile Ser
305                 310                 315                 320

Val Ala Asn Asn Arg Leu Phe Val Gly Ser Ile Pro Lys Ser Lys Thr
                325                 330                 335

Lys Glu Gln Ile Leu Glu Glu Phe Ser Lys Val Thr Glu Gly Leu Thr
            340                 345                 350

Asp Val Ile Leu Tyr His Gln Pro Asp Asp Lys Lys Lys Asn Arg Gly
        355                 360                 365

Phe Cys Phe Leu Glu Tyr Glu Asp His Lys Thr Ala Ala Gln Ala Arg
    370                 375                 380

Arg Arg Leu Met Ser Gly Lys Val Lys Val Trp Gly Asn Val Gly Thr
385                 390                 395                 400

Val Glu Trp Ala Asp Pro Ile Glu Asp Pro Asp Pro Glu Val Met Ala
                405                 410                 415

Lys Val Lys Val Leu Phe Val Arg Asn Leu Ala Asn Thr Val Thr Glu
            420                 425                 430

Glu Ile Leu Glu Lys Ala Phe Ser Gln Phe Gly Lys Leu Glu Arg Val
        435                 440                 445

Lys Lys Leu Lys Asp Tyr Ala Phe Ile His Phe Asp Glu Arg Asp Gly
    450                 455                 460

Ala Val Lys Ala Met Glu Glu Met Asn Gly Lys Asp Leu Glu Gly Glu
465                 470                 475                 480

Asn Ile Glu Ile Val Phe Ala Lys Pro Pro Asp Gln Lys Arg Lys Glu
                485                 490                 495

Arg Lys Ala Gln Arg Gln Ala Ala Lys Asn Gln Met Tyr Asp Asp Tyr
            500                 505                 510

Tyr Tyr Tyr Gly Pro Pro His Met Pro Pro Pro Thr Arg Gly Arg Gly
        515                 520                 525
```

BNSDOCID: <WO 0122920A2 I >

Arg Gly Gly Arg Gly Gly Tyr Gly Tyr Pro Pro Asp Tyr Tyr Gly Tyr
530 535 540

Glu Asp Tyr Tyr Asp Tyr Tyr Gly Tyr Asp Tyr His Asn Tyr Arg Gly
545 550 555 560

Gly Tyr Glu Asp Pro Tyr Tyr Gly Tyr Glu Asp Phe Gln Val Gly Ala
565 570 575

Arg Gly Arg Gly Gly Arg Gly Ala Arg Gly Ala Ala Pro Ser Arg Gly
580 585 590

Arg Gly Ala Ala Pro Pro Arg Gly Arg Ala Gly Tyr Ser Gln Arg Gly
595 600 605

Gly Pro Gly Ser Ala Arg Gly Val Arg Gly Ala Arg Gly Gly Ala Gln
610 615 620

Gln Gln Arg Gly Arg Gly Val Arg Gly Ala Arg Gly Gly Arg Gly Gly
625 630 635 640

Asn Val Gly Gly Lys Arg Lys Ala Asp Gly Tyr Asn Gln Pro Asp Ser
645 650 655

Lys Arg Arg Gln Thr Asn Asn Gln Asn Trp Gly Ser Gln Pro Ile Ala
660 665 670

Gln Gln Pro Leu Gln Gly Gly Asp His Ser Gly Asn Tyr Gly Tyr Lys
675 680 685

Ser Glu Asn Gln Glu Phe Tyr Gln Asp Thr Phe Gly Gln Gln Trp Lys
690 695 700

<210> 5310
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5310
Asp Tyr Ala Leu Ser Asn Thr Thr Xaa Tyr Arg Glu Lys Leu Val Arg
1 5 10 15

Leu Gln Val Pro Val Arg Xaa Phe Pro Gly Arg Pro Thr Arg Pro Trp
20 25 30

Glu Thr Glu Gln Asp Ser Val Ser Lys Lys Asn Lys Asn Lys Asn Lys
35 40 45

Lys Thr Glu Gly Gln Ala Gln Val Lys Tyr Pro Ile Phe Ile Leu Ser
50 55 60

Arg Gly Ile Lys Lys
65

<210> 5311
<211> 116
<212> PRT
<213> Homo sapiens

<400> 5311
Cys Ser Asn Cys Pro Lys Leu Trp Pro Lys Lys Ala Pro Ser Asn Trp
1 5 10 15

Leu Leu Cys Pro Phe Asp Met Ala His His Ser Leu Asn Thr Phe Tyr
20 25 30

Ile Trp His Asn Asn Val Leu His Thr His Leu Val Phe Phe Leu Pro
35 40 45

His Leu Leu Asn Gln Pro Phe Ser Arg Gly Ser Phe Leu Ile Trp Leu
50 55 60

Leu Leu Cys Trp Asn Ser Trp Tyr His Leu Arg Thr Leu Arg Arg Gln
65 70 75 80

Ala Asn Gln Ala Asn Lys Leu Ser Met Met Leu Leu Arg Val Lys Gln
85 90 95

Ser Pro Gly Thr Lys Leu Cys His Gly Asp Ser Glu Leu Thr Ser Gly
100 105 110

Leu Leu Ala Thr
115

BNSDOCID: <WO 0122920A2 I >

<210> 5312
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5312
Val Thr Ile Ile Ile Ser Ala Ser Pro Thr Gln Val Thr Leu Leu Gly
1 5 10 15

Ser Pro Val Cys Pro His Leu Glu Val Thr Ala Xaa Pro Trp Arg Trp
20 25 30

Asp Ser Ile Leu Ser Pro Gly Cys Leu Pro Pro Val Arg Arg Pro Val
35 40 45

Ser Trp Cys Val Thr Ser Gly Arg Cys Gln Ala Cys Phe Pro Pro Ser
50 55 60

Phe Pro Pro Gln Arg Ala Arg Thr Asn His Gln Cys His His Thr Ser
65 70 75 80

Xaa Trp Pro Glu Asn Phe Met Asp Xaa Phe Thr Cys Ala Ile Val Asn
85 90 95

Leu Arg Arg Pro
100

<210> 5313
<211> 63
<212> PRT
<213> Homo sapiens

<400> 5313
Val Pro Gly Glu Ala Glu Leu Glu Arg Ala Val Glu Ala Phe Pro Leu
1 5 10 15

Leu Val Glu Ser Tyr Ala Pro His Ser Gly Ser Glu Leu Gln Leu Leu
20 25 30

Ser Arg Thr Thr Thr Glu Ser Gly Ile Arg Val Lys Asn Thr Ser Pro
35 40 45

Thr Pro Pro Leu Leu His Pro Arg Arg Phe His Val Phe Asn Leu
50 55 60

<210> 5314
<211> 269
<212> PRT
<213> Homo sapiens

<400> 5314
Asp Ser Gly Ser Cys Gly Pro Asp Pro Lys Cys Gly Asp Leu Arg Arg
1 5 10 15

Ile Lys Gly Leu Cys Lys Phe Ala Asn Met Phe Thr Leu Ser Gln Thr
20 25 30

Ser Arg Ala Trp Phe Ile Asp Arg Ala Arg Gln Ala Arg Glu Glu Arg
35 40 45

Leu Val Gln Lys Glu Arg Glu Arg Ala Ala Val Val Ile Gln Ala His
50 55 60

Val Arg Ser Phe Leu Cys Arg Ser Arg Leu Gln Arg Asp Ile Arg Arg
65 70 75 80

Glu Ile Asp Asp Phe Phe Lys Ala Asp Asp Pro Glu Ser Thr Lys Arg
85 90 95

Ser Ala Leu Cys Ile Phe Lys Ile Ala Arg Lys Leu Leu Phe Leu Phe
100 105 110

Arg Ile Lys Glu Asp Asn Glu Arg Phe Glu Lys Leu Cys Arg Ser Ile
115 120 125

Leu Ser Ser Met Asp Ala Glu Asn Glu Pro Lys Val Trp Tyr Val Ser
130 135 140

Leu Ala Cys Ser Lys Asp Leu Thr Leu Leu Trp Ile Gln Gln Ile Lys
145 150 155 160

BNSDOCID: <WO_ _ 0122920A2_I >

```
Asn Ile Leu Trp Tyr Cys Cys Asp Phe Leu Lys Gln Leu Lys Pro Glu
                165                 170                 175

Ile Leu Gln Asp Ser Arg Leu Ile Thr Leu Tyr Leu Thr Met Leu Val
            180                 185                 190

Thr Phe Thr Asp Thr Ser Thr Trp Lys Ile Leu Arg Gly Lys Gly Glu
        195                 200                 205

Ser Leu Arg Pro Ala Met Asn His Ile Cys Ala Asn Ile Met Gly His
    210                 215                 220

Leu Asn Gln His Gly Phe Tyr Ser Val Leu Gln Cys Cys Asp Gly Leu
225                 230                 235                 240

Phe Pro Asp Leu Val Ser Tyr Ala Pro His Asn Asn Pro Val Arg Trp
                245                 250                 255

Ser Val Gly Arg Ser Trp Tyr Asp Trp Gln Leu Ser Arg
            260                 265
```

<210> 5315
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5315

```
Gly Gln Ala Arg Val Leu Pro Leu Met Gln Ile Pro Thr Arg Glu Met
  1               5                  10                  15

Ser Arg Gly Arg Leu Leu Ser Glu Xaa Leu Gln Pro Lys Gly Cys Ser
            20                  25                  30

Ile Ala Ile Pro Phe Pro Trp Ser Cys Gln Leu Phe Ser Gly Gln Gly
        35                  40                  45

Pro Trp Gly Arg Trp Ser Lys Pro Ser Pro Gln Ala Gly Gly Leu Glu
    50                  55                  60
```

```
Ser Thr Arg Lys Gly Ser Thr Trp Phe Tyr Glu Gly Ile Leu Gly Gly
 65                  70                  75                  80

Ala Thr Pro His Leu Pro Pro Thr Tyr Thr Phe Cys Cys Xaa Lys Cys
                 85                  90                  95

Leu Ile Pro His Asp Val Ser Leu Ser Phe Gln Gln Lys Lys Val Lys
            100                 105                 110

Leu Trp Val Val Glu Pro
        115
```

<210> 5316
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5316

```
Ala Glu Arg Ser Leu Lys Ile Leu Pro Leu Leu Lys Lys Leu Leu Lys
  1               5                  10                  15

Ser Asn Asp His Glu Cys Met Leu Gly His Leu Cys Met Tyr Ile Gln
             20                  25                  30

Ile Asp Arg Met Asp Phe Xaa Lys Asn Gly Ile Thr Ile Val Leu Gln
         35                  40                  45

Trp Xaa Lys Lys Tyr Gly Ile Leu Pro His Ser Leu Asn Leu Gly Gly
     50                  55                  60

Ile Gln Lys Ala Leu Leu Lys Pro Ser Asn Lys Leu Asp Gln Leu Ser
 65                  70                  75                  80

Leu Asp Leu
```

<210> 5317

BNSDOCID: <WO__ 0122920A2_I_>

<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5317
Leu Leu Arg Arg Gly Phe Ile Xaa Gly Phe Tyr Asn Ala Asn Val Val
1 5 10 15

Xaa Leu Arg Xaa Lys Asn Trp Gln Leu Glu Ser Leu Ser Leu Ile Ser
20 25 30

Lys Gly Asn Pro Asp Phe Phe Val Asn Tyr Val Arg Gln Val Xaa Tyr
35 40 45

Gly Phe Leu Tyr Glu Leu Gln Phe Thr Val His Gln Ile Leu Val Ser
50 55 60

Glu Glu Leu Ile Tyr Val Lys Cys Leu Lys Ile Tyr Thr
65 70 75

<210> 5318
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5318
Ser Pro Gly Gly Arg Ser Ser Leu Leu Leu Ser Pro Val Val Ser Arg
1 5 10 15

Thr Ser Cys Pro Asp Leu Pro Trp Ser Cys Leu Ser Asp Ser Leu His
20 25 30

Gln Gly His Pro Thr Ala Ser Lys Xaa Ala Phe Pro Trp Thr Asn Ala
35 40 45

Thr Ala Thr Phe Met Cys Glu Ala Lys Ile Thr Leu Gln Gln Ser Gln
50 55 60

Tyr
65

<210> 5319
<211> 132
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5319
Pro Ala Gly Glu Ser Ser Pro Ala Pro Trp Leu Lys Gly Pro Gly Ala
1 5 10 15

His Leu Pro Glu Ala Arg Cys Gly Gly Gly Pro Arg Gly Arg Ser Gln
20 25 30

Ala Gln Ser Pro Gln Ser Ser Gly Pro Val Gly Gly Arg Gly Arg Ser
35 40 45

Gly Ser Lys Ala Arg Thr Pro Gln Leu Phe Arg Leu Gln Gln Gln Leu
50 55 60

Gln Arg Phe Gly His Gly Cys Glu Val Pro Arg Cys Trp Leu Gln Ala
65 70 75 80

Ala Arg Glu His Pro Gly Gln Gly Gln Glu Ala Gln Ser Glu Glu Glu

85 90 95

Gly Glu Gly Gln Glu Gly Glu Gly Gln Glu Glu Gly Gly Ser Pro Leu
100 105 110

Lys Gly Pro Gly Gln Gly Ser Leu Asn Leu Pro Leu Cys Leu Gln Lys
115 120 125

Lys Lys Xaa Xaa
130

<210> 5320
<211> 48
<212> PRT
<213> Homo sapiens

<400> 5320
Leu Ser Ser Ile Cys Leu Asn Ile Ser Ser Leu Gly Asp Ser Ser Pro
1 5 10 15

Leu Cys Leu Val Ala Asn Cys Asn Ser Pro Cys Gly Pro Thr Glu Tyr
20 25 30

His Ser Thr Ala Phe Leu Asp Ile Tyr Asp Val Leu Thr Ile Gln Val
35 40 45

<210> 5321
<211> 63
<212> PRT
<213> Homo sapiens

<400> 5321
Lys Glu Trp His Cys Phe Tyr Ile Phe Ala His Leu Phe His Ala Arg
1 5 10 15

Leu Asn Arg Asn Ser Tyr Leu Leu Val Arg Val Val Cys Cys Asn Ile
20 25 30

Thr Tyr His Val Thr Ser Gly Lys Pro His Cys Met His Val Arg Glu
35 40 45

Gly Glu Ser His Val Arg Val Val Ile Lys Ile Val Leu Thr Leu
50 55 60

<210> 5322
<211> 87
<212> PRT
<213> Homo sapiens

<400> 5322
Met Arg Arg Arg Val Phe Phe Leu His Arg Cys Ser Ile Leu Val Phe
1 5 10 15

Leu Phe Pro Cys Lys Cys Asn Gln Met Pro Phe Tyr Met Trp Thr Tyr
20 25 30

Leu Tyr Trp Pro Asn Ile Phe Phe Leu Leu Ser Leu Phe Phe Phe Pro
35 40 45

Phe Phe Leu Leu Pro Leu Phe Leu Tyr Ser Phe Leu Phe Leu Phe Phe
50 55 60

Phe Phe Phe Ser Phe Phe Phe Gly Ser Cys Cys Tyr Pro Arg His Phe
65 70 75 80

Thr Ser Pro Ser Leu Lys Gly
85

<210> 5323
<211> 79
<212> PRT
<213> Homo sapiens

<400> 5323
Ile Gly Leu Lys Ala Asn Ser Gln Gly Ala Thr Asp Pro Phe His Asn
1 5 10 15

Arg Met Leu Pro Val Asn Ser Leu Ser Ile Leu Leu Cys Pro Val Ser
20 25 30

Lys Lys Lys Lys Lys Ser Arg Arg Val Ser Gln Ser Gly His Leu Ile
35 40 45

Arg Asp Leu Ala Gln Glu Glu Glu Met Gly Arg Glu Ser Asp Gly Glu
50 55 60

Gln His Ser Pro Trp Glu Pro Glu Val Gly Gly His Arg Ala Pro
65 70 75

<210> 5324
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5324
Glu Pro Ala Ala Thr Ala Ala Glu Thr Xaa Ser Cys Val Leu Cys Gly
1 5 10 15

Leu Pro Ala Ala Gly Lys Ser Thr Phe Ala Arg Ala Leu Ala His Arg
20 25 30

Leu Gln Gln Glu Gln Gly Trp Ala Ile Gly Val Val Ala Tyr Asp Asp
35 40 45

Val Met Pro Asp Ala Phe Leu Ala Gly Ala Arg Ala Arg Pro Ala His
50 55 60

Ser Gln Trp Lys Leu Leu Arg Gln Glu Leu Leu Lys Tyr Leu Glu Tyr
65 70 75 80

Phe Leu Met Ala Val Ile Asn Gly Cys Gln Met Ser Val Pro Pro Asn
85 90 95

Arg Thr

<210> 5325
<211> 178
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5325

```
Gly Lys Gly Xaa Xaa Leu Pro Ile Xaa Xaa Ser Xaa Thr Phe Met Pro
  1               5                  10                  15

Asn Gly Cys Cys Lys Thr Cys Thr Pro Arg Asn Glu Thr Arg Val Pro
             20                  25                  30

Cys Ser Thr Val Pro Val Thr Thr Glu Val Ser Tyr Ala Gly Cys Thr
         35                  40                  45

Lys Thr Val Leu Met Asn His Cys Ser Gly Ser Cys Gly Thr Phe Val
     50                  55                  60

Met Tyr Ser Ala Lys Ala Gln Ala Leu Asp His Ser Cys Ser Cys Cys
 65                  70                  75                  80

Lys Glu Glu Lys Thr Ser Gln Arg Glu Val Val Leu Ser Cys Pro Asn
                 85                  90                  95

Gly Gly Ser Leu Thr His Thr Tyr Thr His Ile Glu Ser Cys Gln Cys
            100                 105                 110

Gln Asp Thr Val Cys Gly Leu Pro Thr Gly Thr Ser Arg Arg Ala Arg
        115                 120                 125

Arg Ser Pro Arg His Leu Gly Ser Val Ser Gly Val Gly Thr Ala Pro
    130                 135                 140

Ser Leu Pro Ser Thr Ala Leu Pro Pro Pro Asp Pro Leu Ser Leu Leu
145                 150                 155                 160

Lys Leu Gly Phe Leu Xaa Ser Asp Ile Tyr Cys Leu Ser Phe Cys Ser
                165                 170                 175
```

Val Leu

<210> 5326
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5326
Arg Gly Gly Gln Thr Xaa Xaa Pro Ala Gly Ala Arg Xaa Gly Thr Val
1 5 10 15

Leu Asn Pro Gly Glu Thr Ala Lys Trp Lys Thr Tyr Arg Val Cys Ala
20 25 30

Leu Pro Asp Phe Thr Val Leu Leu Gly His Phe Thr Tyr Val Pro Ala
35 40 45

Val Ile Asn
50

<210> 5327
<211> 50
<212> PRT
<213> Homo sapiens

<400> 5327
Pro Gln Leu Tyr Lys Leu Phe Phe Lys Thr Lys Tyr Phe Gln Val Tyr
1 5 10 15

Leu Leu Thr Lys Asn Ile Ile Met Val Lys Thr Phe Leu Phe Asn Arg

20 25 30

Leu Val Ile Phe Leu Thr Ser Ile Phe Phe Asn Leu Ser Leu His Lys
35 40 45

Lys Asn
50

<210> 5328
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5328
Ser Val Tyr Leu Lys Arg Asn Leu Ile Phe Gln Gly Ser Asn Val Tyr
1 5 10 15

Val Phe Gln Val Val Leu Pro Thr Phe Ile Leu Glu Arg Arg Ser Leu
20 25 30

Leu Glu Met Tyr Ala Asp Phe Phe Xaa His Pro Asp Leu Phe Val Arg
35 40 45

Tyr Leu Thr Glu His Gly Ser Phe Gln Arg Leu Gln Met Leu Leu Ser
50 55 60

Ser Phe Leu Pro Phe Ile Leu Gln Asp Arg Trp Ile Pro Cys His Leu
65 70 75 80

Ser Asn Ile Ser Gly Tyr Ser Val Val Leu Asn Asn Xaa Phe Thr Leu
85 90 95

Val Ala Cys Leu Leu Lys Val Ile Trp Gly Arg Cys
100 105

<210> 5329
<211> 67

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5329
Leu Cys Met Ser Leu Gly Glu Cys Val Ser Ser Thr Val Ala Pro Arg
1 5 10 15

Gly Ser Thr His Ser Leu Lys Leu Leu Leu Pro His Cys Thr Tyr Ser
20 25 30

Leu Arg Leu Asn Trp Ser Gln Thr Asn Trp Asp Pro Ala Gln Ser Ser
35 40 45

Ser Ser Gln Asn Glu Val Leu Arg Pro Gln Cys Val Arg Thr Cys Leu
50 55 60

Ala Val Xaa
65

<210> 5330
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5330
Ala Gln Phe Leu Gly His Ala Pro Val Cys Ser Asp Met Leu Leu Tyr
1 5 10 15

Val Thr Glu Met Ala Met Ser Thr Gly Gly Lys Ile Thr Pro Thr Trp
20 25 30

Glu Glu Glu Lys Pro Val Arg Gly Ser Thr Ala Gly Ala Ala Leu Ser
35 40 45

Thr Glu Xaa Ser Cys Leu Pro Asp Ser Met Ala Phe Val Ser Ile Arg
50 55 60

Val
65

<210> 5331
<211> 63
<212> PRT
<213> Homo sapiens

<400> 5331
Ile Pro Ala Leu Leu Leu Thr Ser Leu Gly Pro Trp Arg Met Leu Ser
1 5 10 15

Ile Ser Leu Ser Leu Ser Val Leu Leu Cys Lys Met Trp Met Ile Pro
20 25 30

Asp Ser Gln Ala Phe Cys Gln Asp Tyr Met Gly Phe Leu His Ser Ala
35 40 45

Met Ser Ser Asp Asn Ile Asn Thr Lys Ser Asn Leu Leu Asn Val
50 55 60

<210> 5332
<211> 404
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (223)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5332
Met Pro Asp Gly Ala Thr Leu Ala Ile Gly Ser Ser Arg Gly Lys Ile
1 5 10 15

Tyr Gln Tyr Asp Leu Arg Met Leu Lys Ser Pro Val Lys Thr Ile Ser
20 25 30

Ala His Lys Thr Ser Val Gln Cys Ile Xaa Phe Gln Tyr Ser Thr Val

35 40 45

Leu Thr Lys Ser Ser Leu Asn Lys Gly Cys Ser Asn Lys Pro Thr Thr
50 55 60

Val Asn Lys Arg Met Phe Asn Val Asn Ala Ala Ser Gly Gly Val Gln
65 70 75 80

Asn Ser Gly Ile Val Arg Glu Ala Pro Ala Thr Ser Ile Ala Thr Val
85 90 95

Leu Pro Gln Pro Met Thr Ser Ala Met Gly Lys Gly Thr Val Ala Val
100 105 110

Gln Glu Lys Ala Gly Leu Pro Arg Ser Ile Asn Thr Asp Thr Leu Ser
115 120 125

Lys Glu Thr Asp Ser Gly Lys Asn Gln Asp Phe Ser Ser Phe Asp Asp
130 135 140

Thr Gly Lys Ser Ser Leu Xaa Asp Met Phe Ser Pro Ile Arg Asp Asp
145 150 155 160

Ala Val Val Asn Lys Gly Ser Asp Glu Ser Ile Gly Lys Gly Asp Gly
165 170 175

Phe Asp Phe Leu Pro Gln Leu Asn Ser Val Phe Pro Pro Arg Lys Asn
180 185 190

Pro Val Thr Ser Ser Thr Ser Val Leu His Ser Ser Pro Leu Asn Val
195 200 205

Phe Met Gly Ser Pro Gly Lys Glu Glu Asn Glu Asn Arg Asp Xaa Thr
210 215 220

Ala Glu Ser Lys Lys Ile Tyr Met Gly Lys Gln Glu Ser Lys Asp Ser
225 230 235 240

Phe Lys Gln Leu Ala Lys Leu Val Thr Ser Gly Ala Glu Ser Gly Asn
245 250 255

Leu Asn Thr Ser Pro Ser Ser Asn Gln Thr Arg Asn Ser Glu Lys Phe
260 265 270

Glu Lys Pro Glu Asn Glu Ile Glu Ala Gln Leu Ile Cys Glu Pro Pro
275 280 285

Ile Asn Gly Ser Ser Thr Pro Asn Pro Lys Ile Ala Ser Ser Val Thr
290 295 300

Ala Gly Val Ala Ser Ser Leu Ser Glu Lys Ile Ala Asp Ser Ile Gly

BNSDOCID: <WO_ _ 0122920A2_I_>

305 310 315 320

Asn Asn Arg Gln Asn Ala Pro Leu Thr Ser Ile Gln Ile Arg Phe Ile
325 330 335

Gln Asn Met Ile Gln Glu Thr Leu Asp Asp Phe Arg Glu Ala Cys His
340 345 350

Arg Asp Ile Val Asn Leu Gln Val Glu Met Ile Lys Gln Phe His Met
355 360 365

Gln Leu Asn Glu Met His Ser Leu Leu Glu Arg Tyr Ser Val Asn Glu
370 375 380

Gly Leu Val Ala Glu Ile Glu Arg Leu Arg Glu Glu Asn Lys Arg Leu
385 390 395 400

Arg Ala His Phe

<210> 5333
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5333
Arg Lys Pro Gln Thr Pro Thr Ala Leu Cys Thr Xaa Trp Cys Pro His
1 5 10 15

Phe Gln Lys Lys Lys Lys Lys Ile Ser Lys Ile Glu Phe Lys Lys Ser
20 25 30

His Leu Ser Cys Pro Ala Asn Ile Cys Ser Ser Leu Val Gly Ala Val
35 40 45

Glu Ala Ser Thr His Arg Gln Ala Val Ala Gly Thr Val Lys Gly Lys
50 55 60

Thr Pro
65

<210> 5334

<211> 258
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (251)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5334
Pro Arg Val Arg Arg Glu Val Gln Ser Leu Lys Glu Gln His Gln Lys
1 5 10 15

Glu Ile Ser Glu Leu Asn Glu Thr Phe Leu Ser Asp Ser Glu Lys Glu
20 25 30

Lys Leu Thr Leu Met Phe Glu Ile Gln Gly Leu Lys Glu Gln Cys Glu
35 40 45

Asn Leu Gln Gln Glu Lys Gln Glu Ala Ile Leu Asn Tyr Glu Ser Leu
50 55 60

Arg Glu Ile Met Glu Ile Leu Gln Thr Glu Leu Gly Glu Ser Ala Gly
65 70 75 80

Lys Ile Ser Gln Glu Phe Glu Ser Met Lys Gln Gln Gln Ala Ser Asp
85 90 95

Val His Glu Leu Gln Gln Lys Leu Arg Thr Ala Phe Thr Glu Lys Asp
100 105 110

Ala Leu Leu Glu Thr Val Asn Arg Leu Gln Gly Glu Asn Glu Lys Leu
115 120 125

Leu Ser Gln Gln Glu Leu Val Pro Glu Leu Glu Asn Thr Ile Lys Asn
130 135 140

Leu Gln Glu Lys Asn Gly Val Tyr Leu Leu Ser Leu Ser Gln Arg Asp
145 150 155 160

Thr Met Leu Lys Glu Leu Glu Gly Lys Ile Asn Ser Leu Thr Glu Glu
165 170 175

Lys Asp Asp Phe Ile Asn Lys Leu Lys Asn Ser His Glu Glu Met Asp
180 185 190

Asn Phe His Lys Lys Cys Glu Arg Glu Glu Arg Leu Ile Leu Glu Leu
195 200 205

Gly Lys Lys Val Glu Gln Thr Ile Gln Tyr Asn Ser Glu Leu Glu Gln
210 215 220

```
Lys Val Asn Glu Leu Thr Gly Gly Leu Glu Glu Thr Leu Lys Glu Lys
225                 230                 235                 240

Asp Gln Asn Asp Gln Lys Leu Glu Lys Leu Xaa Gly Ser Asn Glu Ser
                245                 250                 255

Ser Leu
```

<210> 5335
<211> 60
<212> PRT
<213> Homo sapiens

<400> 5335

```
Tyr Ala Ile Ile Met Gln Leu Asn Val Asp Glu Ser Gly Arg Gly Trp
  1               5                  10                  15

Ala Gln Met Val Pro His Asp Pro Gly Ile Asp Pro Glu Phe Pro Glu
             20                  25                  30

Glu Trp Val Asp Asn Thr Tyr Ser Asn Lys Asn Pro Phe Leu Leu Phe
         35                  40                  45

Ser Ile Lys Leu Leu Ser Lys Ile Ile Asp Arg Leu
     50                  55                  60
```

<210> 5336
<211> 124
<212> PRT
<213> Homo sapiens

<400> 5336

```
Leu Cys His Glu Lys Leu Ser Leu Leu Glu Asp Phe Lys Asp Phe Arg
  1               5                  10                  15

Asp Ser Cys Ser Ser Ser Glu Arg Thr Asp Gly Arg Tyr Ser Lys Tyr
             20                  25                  30

Arg Val Arg Arg Asn Ser Leu Gln His His Gln Asp Asp Thr Lys Tyr
         35                  40                  45

Arg Thr Lys Ser Phe Lys Gly Asp Arg Thr Phe Leu Glu Gly Tyr His
     50                  55                  60

Thr Arg Gly Leu Asp His Ser Ser Ser Trp Gln Asp His Ser Arg Phe
```

65 70 75 80

Leu Ser Ser Pro Arg Phe Ser Tyr Val Asn Ser Phe Thr Lys Arg Thr
85 90 95

Val Ala Pro Asp Ser Ala Ser Asn Lys Glu Asp Ala Thr Met Asn Gly
100 105 110

Thr Ser Ser Gln Pro Lys Lys Glu Glu Tyr Gly Ser
115 120

<210> 5337
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5337
Met Ser Arg Thr Arg Pro Ala Arg Pro Met Gly Trp Gly Gln Gln Arg
1 5 10 15

His Ser Pro Leu Val Val Gln Arg Gln Leu Xaa Arg Glu Gly Ser Ser
20 25 30

Pro Glu Gly Ser Thr Arg Arg Thr Ile Glu Gly Gln Ser Pro Glu Pro
35 40 45

Val Phe Gly Asp Ala Asp Val Asp Val Ser Ala Val Gln Ala Lys Leu
50 55 60

Gly Ala Leu Glu Leu Asn Gln Arg Asp Ala Ala Ala Glu Thr Glu Leu
65 70 75 80

Arg Val His Pro Pro Cys Gln Arg His Cys Pro Glu Pro Arg Val His
85 90 95

Pro Lys Lys Thr Lys Pro Pro Ala Lys Leu Pro Lys Val Xaa Thr Gln
100 105 110

Lys Pro Pro Ser Leu Ala Leu Phe Pro Xaa Ser Ser Pro Cys Gly Asn
115 120 125

Leu Leu Leu Ala Arg Lys Phe Gly
130 135

<210> 5338
<211> 120
<212> PRT
<213> Homo sapiens

<400> 5338
Val Leu Asp Arg Glu Arg Pro Ser Phe Phe Phe Phe Phe Ser Val Gln
1 5 10 15

Ala Gln Phe Cys His Gln Phe Asp Tyr Glu Lys Ser Phe Gly Leu Pro
20 25 30

Gly Ser Phe Gly Ala Trp Lys Leu Gln Met Arg Asp Gly Gly Leu His
35 40 45

Cys Phe Ala Ala Gly Glu Arg Glu Leu Ile Arg Ser Leu Pro Thr Glu
50 55 60

Val Gly Val Met Pro Asp Ala Glu Arg Ser Gly Ser Pro Arg Ala Gln
65 70 75 80

Ala Pro Cys Gly Arg Cys Pro Gln Arg Ala Ser Pro Pro Pro Arg Pro
85 90 95

Gly Ser Tyr Leu Leu His Asp Leu Leu Pro Arg Arg Ala Ala Tyr Leu
100 105 110

Leu Asp Gly Leu Leu Asp Val Leu
115 120

<210> 5339
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5339
Ala Gly Met Met Tyr Leu Xaa Asn His Thr Pro Val Leu Ile Ser His
1 5 10 15

Gln Ile Ser Met Phe Thr Phe Ser Val Trp Met Ser Gly Arg Thr Leu
20 25 30

Lys Asn Trp Gln Ser Cys Pro Thr His Ala Glu His Leu
35 40 45

<210> 5340
<211> 288
<212> PRT
<213> Homo sapiens

<400> 5340
Arg Ser Ala Pro Pro Gly Arg Cys Arg Pro Trp Pro Val Pro Ser Pro
1 5 10 15

Arg Phe Ser Ala Pro Arg Ala Val Pro Ser Gln Ser Pro Ala Pro Arg
20 25 30

Tyr Arg Ala Asp Arg Pro Ser Arg Arg Leu Pro Val Pro Gly Thr Pro
35 40 45

Ala Arg Pro Leu Ala Arg Ser Pro Pro Ala Ala His Val Pro Gly Ala
50 55 60

Gly Pro Arg Ala Gly Gly Arg Ala Ala Arg Arg Ser Gln Ala Gly Leu
65 70 75 80

Cys Ser Val Pro Met Ala Ala Ala Gly Trp Arg Asp Gly Ser Gly Gln
85 90 95

Glu Lys Tyr Arg Leu Val Val Val Gly Gly Gly Gly Val Gly Lys Ser
100 105 110

Ala Leu Thr Ile Gln Phe Ile Gln Ser Tyr Phe Val Thr Asp Tyr Asp
115 120 125

Pro Thr Ile Glu Asp Ser Tyr Thr Lys Gln Cys Val Ile Asp Asp Arg
130 135 140

Ala Ala Arg Leu Asp Ile Leu Asp Thr Ala Gly Gln Glu Glu Phe Gly
145 150 155 160

```
Ala Met Arg Glu Gln Tyr Met Arg Thr Gly Glu Gly Phe Leu Leu Val
                165                 170                 175

Phe Ser Val Thr Asp Arg Gly Ser Phe Glu Glu Ile Tyr Lys Phe Gln
            180                 185                 190

Arg Gln Ile Leu Arg Val Lys Asp Arg Asp Glu Phe Pro Met Ile Leu
        195                 200                 205

Ile Gly Asn Lys Ala Asp Leu Asp His Gln Arg Gln Val Thr Gln Glu
    210                 215                 220

Glu Gly Gln Gln Leu Ala Arg Gln Leu Lys Val Thr Tyr Met Glu Ala
225                 230                 235                 240

Ser Ala Lys Ile Arg Met Asn Val Asp Gln Ala Phe His Glu Leu Val
                245                 250                 255

Arg Val Ile Arg Lys Phe Gln Glu Gln Glu Cys Pro Pro Ser Pro Glu
            260                 265                 270

Pro Thr Arg Lys Glu Lys Asp Lys Lys Gly Cys His Cys Val Ile Phe
        275                 280                 285
```

<210> 5341
<211> 279
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5341

```
Ala Ala Ala Glu Arg Asp Val Pro Pro Pro Pro Pro Pro Pro Pro Pro
  1               5                  10                  15

Pro Ser Glu Pro Leu Leu Ala Leu Arg Gly Gly Ala Thr Asp Ala Cys
             20                  25                  30

Leu Ala Arg Arg Thr Leu Arg Asp Pro Gly Ala Ala Gln Pro Ala Glu
         35                  40                  45

Pro Arg Arg Ser Pro Ala Pro Gly Ala Pro Gly Ser Gln Cys Arg Pro
     50                  55                  60
```

BNSDOCID: <WO _ 0122920A2 I >

```
Ala Gly Gly Pro Val Arg Glu Pro Arg Val Arg Glu Leu Arg Leu His
 65                  70                  75                  80

Pro Asp Ala Ala Val Ala Arg Xaa Gly Thr Gly His Tyr Leu Cys Asn
                85                  90                  95

Ala Cys Gly Leu Tyr Ser Lys Met Asn Gly Leu Ser Arg Pro Leu Ile
            100                 105                 110

Lys Pro Gln Lys Arg Val Pro Ser Ser Arg Arg Leu Gly Leu Ser Cys
        115                 120                 125

Ala Asn Cys His Thr Thr Thr Thr Thr Leu Trp Arg Arg Asn Ala Glu
    130                 135                 140

Gly Glu Pro Val Cys Asn Ala Cys Gly Leu Tyr Met Lys Leu His Gly
145                 150                 155                 160

Val Pro Arg Pro Leu Ala Met Lys Lys Glu Gly Ile Gln Thr Arg Lys
                165                 170                 175

Arg Lys Pro Lys Asn Ile Asn Lys Ser Lys Thr Cys Ser Gly Asn Ser
            180                 185                 190

Asn Asn Ser Ile Pro Met Thr Pro Thr Ser Thr Ser Ser Asn Ser Asp
        195                 200                 205

Asp Cys Ser Lys Asn Thr Ser Pro Thr Thr Gln Pro Thr Ala Ser Gly
    210                 215                 220

Ala Gly Ala Pro Val Met Thr Gly Ala Gly Glu Ser Thr Asn Pro Glu
225                 230                 235                 240

Asn Ser Glu Leu Lys Tyr Ser Gly Gln Asp Gly Leu Tyr Ile Gly Val
                245                 250                 255

Ser Leu Ala Ser Pro Ala Glu Val Thr Ser Ser Val Arg Pro Asp Ser
            260                 265                 270

Trp Cys Ala Leu Ala Leu Ala
        275
```

<210> 5342
<211> 55
<212> PRT
<213> Homo sapiens

<400> 5342

BNSDOCID: <WO___0122920A2_I_>

```
Glu Glu Leu Glu Ala Arg Gly Leu Arg Trp Leu Pro Trp Val Phe Pro
  1               5                  10                  15

Ser Arg Leu Cys Tyr Cys Val Arg Pro Phe Ser His Cys Gly His Val
             20                  25                  30

Phe Leu Glu Ser Ile Phe Gln Val Leu Tyr Ile Gln His Ser Pro Pro
         35                  40                  45

Ser Phe Ser Leu Ile Pro Phe
     50                  55
```

<210> 5343
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5343

```
Thr Glu Glu Ile Leu Arg Thr Arg Gly Ser Thr Arg Glu Phe Arg Thr
  1               5                  10                  15

Gly Thr Cys Arg Arg Thr Ser Phe Pro Ile Val Ser Arg Ile Arg Ala
             20                  25                  30

Trp Arg Asn His Gly His Ser Xaa Phe Leu Cys Glu Ile Gly Ile Arg
         35                  40                  45

Ser Gln Phe His Thr Thr Tyr Glu Pro Glu Ala
     50                  55
```

<210> 5344
<211> 103
<212> PRT
<213> Homo sapiens

<400> 5344

```
Ser Met His Lys Ala Gly Leu Leu Gly Leu Cys Ala Arg Ala Trp Asn
  1               5                  10                  15

Ser Val Arg Met Ala Ser Ser Gly Met Thr Arg Arg Asp Pro Leu Ala
             20                  25                  30
```

Asn Lys Val Ala Leu Val Thr Ala Ser Thr Asp Gly Ile Gly Phe Ala
35 40 45

Ile Ala Arg Arg Leu Ala Gln Asp Gly Ala His Val Val Val Ser Ser
50 55 60

Arg Lys Gln Gln Asn Val Asp Gln Ala Val Ala Thr Leu Gln Gly Glu
65 70 75 80

Gly Leu Ser Val Thr Gly Thr Cys Ala Met Trp Gly Arg Arg Arg Thr
85 90 95

Gly Ser Gly Trp Trp Pro Arg
100

<210> 5345
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5345
Ser Leu Tyr Met Leu Thr Asn Ser Lys Gly Lys Glu Ile Asp His Lys
1 5 10 15

Leu His Val Asn Val Glu Gly Lys Leu Ile Asp His Lys Leu Lys Tyr
20 25 30

Asn Leu Ile Cys Tyr Ile Phe Leu Leu Ile Tyr Ile Pro Met Lys Xaa
35 40 45

Phe Leu Tyr
50

<210> 5346
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2 I >

<400> 5346
Cys Phe Ser Leu Pro Ser Leu Phe Thr Ala Val Lys Phe Ile Lys Cys
1 5 10 15

Phe Ser Val Xaa Phe Cys Ser Leu Ser Phe Thr Gly Tyr Phe Phe Met
20 25 30

Tyr Thr Phe Arg Ile Phe Cys Leu Leu Tyr Pro Val Val Gln Met Ile
35 40 45

Ser Tyr Ile Leu Gln Met Pro Phe Gln Phe Leu Phe Ser Phe Ser Ile
50 55 60

Lys Leu Pro Ser Cys Pro Asn Val Gln Phe Val Ser Val Cys Val Cys
65 70 75 80

Val Cys Val Cys Val Asn Leu Ile Phe Lys Ser Ala Arg Leu Pro Ile
85 90 95

<210> 5347
<211> 291
<212> PRT
<213> Homo sapiens

<400> 5347
Arg Pro Asp Ser Arg Val Asp Pro Arg Val Arg Glu Val Thr Asp Tyr
1 5 10 15

Ala Ile Ala Arg Arg Ile Val Asp Leu His Ser Arg Ile Glu Glu Ser
20 25 30

Ile Asp Arg Val Tyr Ser Leu Asp Asp Ile Arg Arg Tyr Leu Leu Phe
35 40 45

Ala Arg Gln Phe Lys Pro Lys Ile Ser Lys Glu Ser Glu Asp Phe Ile
50 55 60

Val Glu Gln Tyr Lys His Leu Arg Gln Arg Asp Gly Ser Gly Val Thr
65 70 75 80

Lys Ser Ser Trp Arg Ile Thr Val Arg Gln Leu Glu Ser Met Ile Arg
85 90 95

Leu Ser Glu Ala Met Ala Arg Met His Cys Cys Asp Glu Val Gln Pro
100 105 110

```
Lys His Val Lys Glu Ala Phe Arg Leu Leu Asn Lys Ser Ile Ile Arg
      115                 120                 125

Val Glu Thr Pro Asp Val Asn Leu Asp Gln Glu Glu Glu Ile Gln Met
    130                 135                 140

Glu Val Asp Glu Gly Ala Gly Gly Ile Asn Gly His Ala Asp Ser Pro
145                 150                 155                 160

Ala Pro Val Asn Gly Ile Asn Gly Tyr Asn Glu Asp Ile Asn Gln Glu
                165                 170                 175

Ser Ala Pro Lys Ala Ser Leu Arg Leu Gly Phe Ser Glu Tyr Cys Arg
            180                 185                 190

Ile Ser Asn Leu Ile Val Leu His Leu Arg Lys Val Glu Glu Glu Glu
        195                 200                 205

Asp Glu Ser Ala Leu Lys Arg Ser Glu Leu Val Asn Trp Tyr Leu Lys
    210                 215                 220

Glu Ile Glu Ser Glu Ile Asp Ser Glu Glu Glu Leu Ile Asn Lys Lys
225                 230                 235                 240

Arg Ile Ile Glu Lys Val Ile His Arg Leu Thr His Tyr Asp His Val
                245                 250                 255

Leu Ile Glu Leu Thr Gln Ala Gly Leu Lys Gly Ser Thr Glu Gly Ser
            260                 265                 270

Glu Ser Tyr Glu Glu Asp Pro Tyr Leu Val Val Asn Pro Asn Tyr Leu
        275                 280                 285

Leu Glu Asp
    290
```

<210> 5348
<211> 33
<212> PRT
<213> Homo sapiens

<400> 5348

```
Thr Cys Ser Arg Ser Arg Ala Ala Ala Leu Leu Thr Val Leu Gly Val
  1               5                  10                  15

Cys Val Gln Ser Glu Gln Gly Leu Cys Phe Trp Ile Val Lys Glu Asp
            20                  25                  30
```

Ala

<210> 5349
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5349
Thr Pro Ala Gly Xaa Arg Ser Gly Asn Ser Arg Val Glu Gly Pro Leu
1 5 10 15

Ser Cys Leu Tyr Ser Phe Ser Leu Leu Tyr Ser Phe Thr Arg Ser Pro
20 25 30

His Leu Thr Ser Glu Leu Leu Gly Pro Leu Asp Pro His Ile Ser Trp
35 40 45

Ala Ile Ser Leu Phe Cys
50

<210> 5350
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5350

BNSDOCID: <WO_ 0122920A2 I_ >

Xaa Arg Lys Thr Leu Asp Val Xaa Xaa Thr Ile Met Gly Thr Arg Ile
1 5 10 15

Glu Gly Phe Phe Pro Leu Lys Ala Phe Leu Pro Gly Gly Trp Ala Leu
20 25 30

Leu Gly His Ala Leu Gln Ser Ser Val Pro Gln Gln Glu Ser Gly Gly
35 40 45

His His Leu Pro Ala Ser Ser Thr Phe Ser Ala Ser Leu Phe Ser Met
50 55 60

Asn Pro Gly Arg Pro Ala Gly Thr Ser Lys Phe Pro Gly Leu Ser Ala
65 70 75 80

<210> 5351
<211> 53
<212> PRT
<213> Homo sapiens

<400> 5351
Gln Thr Leu Arg Thr Lys Met Asn Glu Asn Leu Phe Ala Ser Phe Ile
1 5 10 15

Ala Pro Thr Ile Leu Gly Leu Pro Ala Ala Val Leu Ile Ile Leu Phe
20 25 30

Pro Pro Leu Leu Ile Pro Thr Ser Lys Tyr Leu Ile Asn Asn Arg Leu
35 40 45

Ile Thr Thr Gln Gln
50

<210> 5352
<211> 185
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5352

BNSDOCID: <WO___0122920A2_I_>

```
Arg Cys Pro Thr Arg Ser Pro Pro Pro Asp Thr Pro Gly Ser Arg Gly
  1               5                  10                  15

Thr Thr Ala Met Cys Ser Leu Ala Ser Gly Ala Thr Gly Gly Arg Gly
             20                  25                  30

Ala Val Glu Asn Glu Glu Asp Leu Pro Glu Leu Ser Asp Ser Gly Asp
         35                  40                  45

Glu Ala Ala Trp Glu Asp Glu Asp Asp Ala Asp Leu Pro His Gly Lys
     50                  55                  60

Gln Gln Thr Pro Cys Leu Phe Cys Asn Arg Leu Phe Thr Ser Ala Glu
 65                  70                  75                  80

Glu Thr Phe Ser His Cys Lys Ser Glu His Gln Phe Asn Ile Asp Ser
                 85                  90                  95

Met Val His Lys His Gly Leu Glu Phe Tyr Gly Tyr Ile Lys Leu Ile
            100                 105                 110

Xaa Phe Ile Arg Leu Lys Asn Pro Thr Val Glu Tyr Met Asn Ser Ile
        115                 120                 125

Tyr Asn Pro Val Pro Trp Glu Lys Glu Glu Tyr Leu Lys Pro Val Leu
    130                 135                 140

Glu Asp Asp Leu Leu Leu Gln Phe Asp Val Glu Asp Leu Tyr Glu Pro
145                 150                 155                 160

Val Ser Val Pro Phe Ser Tyr Pro Asn Gly Leu Ser Glu Asn Thr Ser
                165                 170                 175

Val Val Glu Lys Leu Lys His Met Glu
            180                 185
```

<210> 5353
<211> 76
<212> PRT
<213> Homo sapiens

<400> 5353

```
Tyr Ile Lys Ala Leu Leu Ser Ser Asp Tyr Ala Tyr Phe Ala Ser Arg
  1               5                  10                  15

Glu Thr Glu Ala Trp Val Gly Gln Arg Gly Ala His Val Phe Thr Ala
             20                  25                  30

Leu Ser Ala Pro Asp Phe Gly Ala Ile Ser Leu His Pro Cys Ala Pro
```

35 40 45

Val Lys Asn Leu Ala Ser Thr Phe Cys Ser Pro Asp Pro Pro Ser Leu
50 55 60

Thr Cys Gly Ser Cys His Thr Lys Met Gly Leu Pro
65 70 75

<210> 5354
<211> 62
<212> PRT
<213> Homo sapiens

<400> 5354
Gly Thr Gln Leu Ile Thr Arg Arg Ile Asn Trp Pro Lys Phe Leu Ile
1 5 10 15

Phe Gln Phe Val Ala Pro Ala Pro Arg Asp His Gln Lys Leu Phe Trp
20 25 30

Val Ser Leu Ser Leu Arg Arg Asp Pro Leu His Arg Pro Ser Leu Ile
35 40 45

Leu Ile Ser Pro Cys Pro Glu Ser Val Asn Val Pro Arg Lys
50 55 60

<210> 5355
<211> 80
<212> PRT
<213> Homo sapiens

<400> 5355
Gly His Val Asp Asn Leu Arg Tyr His Ser Ile Val His Asn Val His
1 5 10 15

His Tyr Ser Val Asp Cys Lys Gly Leu Leu Ser Ser Cys Lys Asn Tyr
20 25 30

Pro Ser Lys Ser Ile Phe Lys Val Leu Val Leu Leu Ile Tyr Lys Leu
35 40 45

Cys Ala Arg Ser Pro Lys Val Asn Ser Asn Ile Tyr Leu Lys Tyr Ser
50 55 60

Leu Ser Tyr Leu Ile Asn Leu Trp Tyr Ile Phe Leu Tyr Tyr Ala Cys
65 70 75 80

<210> 5356
<211> 116
<212> PRT
<213> Homo sapiens

<400> 5356
Leu Lys Met Lys Thr Pro Phe Phe Ile Phe Asn Leu Ala Glu Thr Ala
1 5 10 15

His Met Pro Ser Lys Val Lys Ala Gln Leu Tyr Ala Gln Ala Tyr Asp
20 25 30

Leu Tyr Lys Glu Ile Val Tyr Leu Gln Lys Glu His Pro Val Asn Trp
35 40 45

His Lys Asn Tyr Ala Ile Ala Cys Glu Arg Met Leu Arg Leu Gln Ala
50 55 60

Arg Asp Ala Asp Pro Glu Val Leu Leu Ser Glu Thr Ile Arg His Phe
65 70 75 80

Arg Leu Tyr Ser Gln Lys Ala Pro Asn Asp Pro Gln Gln Ala Asp Ile
85 90 95

Leu Gly Ala Leu Lys His Leu Arg Lys Glu Leu Gln Ser Leu Arg Asn
100 105 110

Arg Lys Asn Val
115

<210> 5357
<211> 184
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5357
Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Glu Pro Ala Gly His
1 5 10 15

BNSDOCID: <WO_ 0122920A2 I >

```
Ser Gln Lys Lys Gly Lys Ala Ile Asn Ile Gly Gln Leu Val Asp Val
             20                  25                  30

Lys Val Leu Glu Lys Thr Lys Asp Gly Leu Glu Val Ala Val Leu Pro
         35                  40                  45

His Asn Ile Arg Ala Phe Leu Pro Thr Ser His Leu Ser Asp His Val
     50                  55                  60

Ala Asn Gly Pro Leu Leu His His Trp Leu Gln Ala Gly Asp Ile Leu
 65                  70                  75                  80

His Arg Val Leu Cys Leu Ser Gln Ser Glu Gly Arg Val Leu Leu Cys
                 85                  90                  95

Arg Lys Pro Ala Leu Val Ser Thr Val Glu Gly Gly Gln Xaa Pro Lys
            100                 105                 110

Asn Phe Ser Glu Ile His Pro Gly Met Leu Leu Ile Gly Phe Val Lys
        115                 120                 125

Ser Ile Lys Asp Tyr Gly Val Phe Ile Gln Phe Pro Ser Gly Leu Ser
    130                 135                 140

Gly Leu Ala Pro Lys Ala Ile Met Ser Asp Lys Phe Val Thr Ser Thr
145                 150                 155                 160

Ser Asp His Phe Val Glu Gly Gln Thr Val Ala Ala Lys Val Thr Asn
                165                 170                 175

Val Asp Glu Glu Lys Gln Arg Met
            180
```

<210> 5358
<211> 77
<212> PRT
<213> Homo sapiens

<400> 5358

```
Asn Leu Arg Phe Asp Asp Ala Glu Ala Leu Asp Tyr Thr Phe Ala Tyr
  1               5                  10                  15

Phe Asp Lys Val His Leu Ser Leu Phe Ile Ser Ser Val Phe Phe Cys
             20                  25                  30

Tyr Gln Arg Gln Leu Ile Ser Phe Val Pro Gln Tyr Phe Phe Cys Lys
         35                  40                  45

Tyr Leu Pro Lys Phe Phe Gln Ile Leu Cys Lys Met Gln Val Ile Val
```

50 55 60

Glu Met Pro Val Tyr Ala Phe Met Leu Ala Ser Leu Asn
65 70 75

<210> 5359
<211> 83
<212> PRT
<213> Homo sapiens

<400> 5359
Gln Ser Val Tyr Lys Arg Gly Leu Gln Lys Lys Met Arg Ala Cys Phe
1 5 10 15

Thr Gln Gln Lys Ile Trp Pro Phe Leu Asn Asp Thr Arg Arg Val Ile
20 25 30

Leu Ser His Thr Phe Pro Ser Phe Arg Trp Trp Thr Phe Val Glu Thr
35 40 45

Gly Thr Gln Trp Ser Asn Arg Leu Cys Pro Pro Val Ala Asp Ser Pro
50 55 60

Ala Gly Arg Trp Thr Arg Gly Pro Val Leu Thr Val Thr Arg Leu Ser
65 70 75 80

Leu Leu Glu

<210> 5360
<211> 82
<212> PRT
<213> Homo sapiens

<400> 5360
Phe Tyr Pro Gly Arg Lys Ile Lys Gly Ser His Arg Ile Ala Leu Val
1 5 10 15

Lys Thr Lys His Thr Ile Ala Leu Thr Glu Tyr Leu Gly Asn Leu Pro
20 25 30

Asn Leu Leu Ile Phe Gly Val Cys Phe Leu Thr Val Gly Leu Trp Glu
35 40 45

Asp Val Ile Tyr Asp Gln Tyr Leu Pro Val Thr Leu Phe Ile Ser Leu
50 55 60

```
Ala Leu Lys Ala Asn Gly Gly Lys Lys Ser Met Lys Lys Lys Arg Leu
 65                  70                  75                  80

Ile Lys
```

<210> 5361
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5361

```
Gly Lys Met Cys Ala Ala Gln Val Arg Glu Tyr Tyr Leu Ala Xaa Lys
  1               5                  10                  15

Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys
             20                  25                  30

Met Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu
         35                  40                  45

Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln
     50                  55                  60

Leu Asn Arg Leu Ala Xaa His Pro Pro Phe Ala Ser Trp Arg Asn Ser
 65                  70                  75                  80

Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Lys Pro Glu
                 85                  90                  95
```

Trp Xaa Met Xaa
100

<210> 5362
<211> 379
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5362
Arg Pro Thr Arg Pro Val Phe Tyr Ala Xaa Glu Ser Trp Ile Lys Tyr
1 5 10 15

Asp Val Gln Glu Arg Gln Lys Tyr Leu Ala Gln Leu Leu Asn Ser Val
20 25 30

Arg Leu Pro Leu Leu Ser Val Lys Phe Leu Thr Arg Leu Tyr Glu Ala
35 40 45

Asn His Leu Ile Arg Asp Asp Arg Thr Cys Lys His Leu Leu Asn Glu
50 55 60

Ala Leu Lys Tyr His Phe Met Pro Glu His Arg Leu Ser His Gln Thr
65 70 75 80

Val Leu Met Thr Arg Pro Arg Cys Ala Pro Lys Val Leu Cys Ala Val
85 90 95

Gly Gly Lys Ser Gly Leu Phe Ala Cys Leu Asp Ser Val Glu Met Tyr
100 105 110

Phe Pro Gln Asn Asp Ser Trp Ile Gly Leu Ala Pro Leu Asn Ile Pro
115 120 125

Arg Tyr Glu Phe Gly Ile Cys Val Leu Asp Gln Lys Val Tyr Val Ile
130 135 140

Gly Gly Ile Ala Thr Asn Val Arg Pro Gly Val Thr Ile Arg Lys His
145 150 155 160

Glu Asn Ser Val Glu Cys Trp Asn Pro Asp Thr Asn Thr Trp Thr Ser
165 170 175

Leu Glu Arg Met Asn Glu Ser Arg Ser Thr Leu Gly Val Val Val Leu

BNSDOCID: <WO 0122920A2 I >

180 185 190

Ala Gly Glu Leu Tyr Ala Leu Gly Gly Tyr Asp Gly Gln Ser Tyr Leu
195 200 205

Gln Ser Val Glu Lys Tyr Ile Pro Lys Ile Arg Lys Trp Gln Pro Val
210 215 220

Ala Pro Met Thr Thr Thr Arg Ser Cys Phe Ala Ala Ala Val Leu Asp
225 230 235 240

Gly Met Ile Tyr Ala Ile Gly Gly Tyr Gly Pro Ala His Met Asn Ser
245 250 255

Val Glu Arg Tyr Asp Pro Ser Lys Asp Ser Trp Glu Met Val Ala Ser
260 265 270

Met Ala Asp Lys Arg Ile His Phe Gly Val Gly Val Met Leu Gly Phe
275 280 285

Ile Phe Val Val Gly Gly His Asn Gly Val Ser His Leu Ser Ser Ile
290 295 300

Glu Arg Tyr Asp Pro His Gln Asn Gln Trp Thr Val Cys Arg Pro Met
305 310 315 320

Lys Glu Pro Arg Thr Gly Val Gly Ala Ala Val Ile Asp Asn Tyr Leu
325 330 335

Tyr Val Val Gly Gly His Ser Gly Ser Ser Tyr Leu Asn Thr Val Gln
340 345 350

Lys Tyr Asp Pro Ile Ser Asp Thr Trp Leu Asp Ser Ala Gly Met Ile
355 360 365

Tyr Cys Arg Cys Asn Phe Gly Leu Thr Ala Leu
370 375

<210> 5363
<211> 130
<212> PRT
<213> Homo sapiens

<400> 5363
Lys His Trp Thr Ser Leu Thr Tyr Phe Phe Ser Phe Ser Ala Phe Arg
1 5 10 15

Met Ile Pro Tyr Pro Leu Glu Lys Gly His Leu Phe Tyr Pro Tyr Pro
20 25 30

```
Ile Cys Thr Glu Thr Ala Asp Arg Glu Leu Leu Pro Ser Phe His Glu
          35                  40                  45

Val Ser Val Tyr Pro Lys Lys Glu Leu Pro Phe Phe Ile Leu Phe Thr
      50                  55                  60

Ala Gly Leu Cys Ser Phe Thr Ala Met Leu Ala Leu Leu Thr His Gln
 65                  70                  75                  80

Phe Pro Glu Leu Met Gly Val Phe Ala Lys Ala Met Ile Asp Ile Phe
                 85                  90                  95

Cys Ser Ala Glu Phe Arg Asp Trp Asn Cys Lys Ser Ile Phe Met Arg
            100                 105                 110

Val Glu Asp Glu Leu Glu Ile Pro Pro Ala Pro Gln Ser Gln His Phe
        115                 120                 125

Gln Asn
    130
```

<210> 5364
<211> 72
<212> PRT
<213> Homo sapiens

<400> 5364

```
Ser Ser Ala Leu Glu Val Leu Glu Phe Leu Ile Ser Phe Ile Gln Phe
  1               5                  10                  15

Gln Gly Leu Ile Phe Tyr Arg Leu Pro Arg Gln Phe Ile Gln Gly Leu
             20                  25                  30

Leu Tyr Leu Arg Phe Thr Cys His Val Arg Ser Ser Gly Phe Glu His
          35                  40                  45

Lys Leu Tyr Ser Trp Asp Leu Ser Asp Thr Pro Leu Leu Thr Gly Leu
      50                  55                  60

Gly Phe His Phe Ser Asp Pro Phe
 65                  70
```

<210> 5365
<211> 62
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2 I >

<400> 5365
Ser Ala Pro Ser Pro Asn Leu Leu Pro Leu Gly Arg Val Gly Leu Arg
1 5 10 15

Asp Leu Leu Ser Trp Lys Val Leu Thr Leu Pro Gly Glu Gly Ala Arg
20 25 30

His Cys Pro Arg Glu Ser Asn Arg Arg Trp Lys Lys Ser Ile Lys Ser
35 40 45

Asp Gln Asp Gly Gly Lys Lys Lys Lys Lys Lys Arg Gly Gly
50 55 60

<210> 5366
<211> 80
<212> PRT
<213> Homo sapiens

<400> 5366
Gln Leu Val Thr Val Glu Glu Ala Gly Trp Val Phe Ser Gly Pro Arg
1 5 10 15

Lys Phe Lys Met Ser Ala Met Leu Ser Ile Ile Thr Phe Cys Cys Gln
20 25 30

Lys Gly Trp Gln Ile Glu Ala Phe Leu Pro Ile Ala Phe Ser Glu Leu
35 40 45

Pro Cys Gln Ser Phe Thr Leu Gly Lys Glu Arg Trp Ala Gly Ile Leu
50 55 60

Gly Asn Arg Thr Pro Glu Thr Tyr Leu Cys Leu Pro Lys Asn Val Asp
65 70 75 80

<210> 5367
<211> 360
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (360)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5367
Leu Pro Gln Ala Gln Gly Asp Gln Phe Pro Trp Glu Gln Ala Glu Gly
1 5 10 15

Gln Ala Pro Gly Glu Asp Gly Gln Arg Leu Pro Asp Gln Ile His Pro
20 25 30

Gly Val Pro Ala Arg Arg Arg Pro Trp Trp Arg Glu Arg Ala Arg Ala
35 40 45

Val Arg Gly Leu Xaa Glu Gly Arg Glu Pro Glu Lys Arg Arg Glu Arg
50 55 60

Lys Gln Arg Arg Glu Gly Gly Asp Gly Glu Glu Gln Asp Val Gly Asp
65 70 75 80

Ala Gly Arg Leu Leu Leu Arg Val Leu His Val Ser Glu Asn Pro Val
85 90 95

Pro Leu Thr Val Arg Val Ser Pro Glu Val Arg Asp Val Arg Pro Tyr
100 105 110

Ile Val Gly Ala Val Val Arg Gly Met Asp Leu Gln Pro Gly Asn Ala
115 120 125

Leu Lys Arg Phe Leu Thr Ser Gln Thr Lys Leu His Glu Asp Leu Cys
130 135 140

Glu Lys Arg Thr Ala Ala Thr Leu Ala Thr His Glu Leu Arg Ala Val
145 150 155 160

Lys Gly Pro Leu Leu Tyr Cys Ala Arg Pro Pro Gln Asp Leu Lys Ile
165 170 175

Val Pro Leu Gly Arg Lys Glu Ala Lys Ala Lys Glu Leu Val Arg Gln
180 185 190

Leu Gln Leu Glu Ala Glu Glu Gln Arg Lys Gln Lys Lys Arg Gln Ser
195 200 205

Val Ser Gly Leu His Arg Tyr Leu His Leu Leu Asp Gly Asn Glu Asn
210 215 220

Tyr Pro Cys Leu Val Asp Ala Asp Gly Asp Val Ile Ser Phe Pro Pro
225 230 235 240

```
Ile Thr Asn Ser Glu Lys Thr Lys Val Lys Lys Thr Thr Ser Asp Leu
                245                 250                 255

Phe Leu Glu Val Thr Ser Ala Thr Ser Leu Gln Ile Cys Lys Asp Val
            260                 265                 270

Met Asp Ala Leu Ile Leu Lys Met Ala Glu Met Lys Lys Tyr Thr Leu
        275                 280                 285

Glu Asn Lys Glu Glu Gly Ser Leu Ser Asp Thr Glu Ala Asp Ala Val
    290                 295                 300

Ser Gly Gln Leu Pro Asp Pro Thr Thr Asn Pro Ser Ala Gly Lys Asp
305                 310                 315                 320

Gly Pro Ser Leu Leu Val Val Glu Gln Val Arg Val Val Asp Leu Glu
                325                 330                 335

Gly Ser Leu Lys Val Val Tyr Pro Ser Lys Ala Asp Leu Ala Thr Ala
            340                 345                 350

Pro Pro His Val Thr Val Val Xaa
        355                 360
```

<210> 5368
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5368

```
Ala Arg Xaa Pro Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
  1                 5                  10                  15
```

Ala Val Xaa Xaa Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
20 25 30

Ser Ala Arg Asp Phe Glu His Ser Ser Asp Ile
35 40

<210> 5369
<211> 78
<212> PRT
<213> Homo sapiens

<400> 5369
Leu Gln Thr Lys Pro Ser Pro Ala Phe Phe Leu Leu Leu Leu Val Leu
1 5 10 15

Gln Leu Gln Gly Pro Phe Thr Phe Met Ser Glu Met Glu Leu Trp Leu
20 25 30

Phe Gln Trp Lys Asn Met Leu Lys Val Ser Phe Cys Ser Arg Lys Lys
35 40 45

Lys Ser Leu Pro Lys Trp Gly Lys Lys Leu Tyr Ile Tyr Leu Ile Ile
50 55 60

Gln Asn Thr Asp Gln Ser Leu Asp Leu Lys Lys Lys Lys Lys
65 70 75

<210> 5370
<211> 47
<212> PRT
<213> Homo sapiens

<400> 5370
Gly Ile Thr Ile Arg Lys Thr Val Cys Thr Cys Ser Leu Gln Met Gln
1 5 10 15

Pro Leu Leu Ser Leu Thr Thr Ser Phe Tyr Leu Gln Leu Ile Glu Ser
20 25 30

Met Asp Val Glu Pro Val His Met Glu Gly Gln Leu Tyr Tyr Lys
35 40 45

<210> 5371
<211> 61
<212> PRT

<213> Homo sapiens

<400> 5371
Thr Val Leu Ser Leu Ala Gly Leu Leu Gly Gly Lys Tyr Leu Gln Asn
1 5 10 15

Asn Gly Ile Val Leu Gly Phe Leu Leu Ala Leu Glu Thr His Leu Phe
20 25 30

Thr Asn Arg Phe Pro Glu Asp Thr Leu Ile Ser Pro Ser Tyr Leu Pro
35 40 45

Glu Cys Leu Leu Met Ala Ser Leu Lys Lys Gly Gly Leu
50 55 60

<210> 5372
<211> 56
<212> PRT
<213> Homo sapiens

<400> 5372
Ser Ser Cys Pro Lys Ala Leu Trp Gly Pro Gly Trp Arg Ser Gln Gly
1 5 10 15

Ile Leu Tyr Asp Leu Ala Ile Gly Cys Lys Arg Lys His Ile Pro Cys
20 25 30

Cys Gly Ser Cys Ile Leu Phe His Ser Ser Pro Leu Lys Glu Lys Val
35 40 45

His Val Leu Ser Pro Ala His Pro
50 55

<210> 5373
<211> 238
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5373

```
Glu Lys Leu Ile Leu Leu Leu Ser Leu Pro Gly Ile Asp Ile Asn Xaa
  1               5                  10                  15

Lys Asp Asn Ala Gly Trp Thr Pro Leu His Glu Ala Cys Asn Tyr Gly
             20                  25                  30

Asn Thr Val Cys Val Gln Glu Ile Leu Gln Arg Cys Pro Glu Val Asp
         35                  40                  45

Leu Leu Thr Gln Val Asp Gly Val Thr Pro Leu His Asp Ala Leu Ser
     50                  55                  60

Asn Gly His Val Glu Ile Gly Lys Leu Leu Leu Gln His Gly Gly Pro
 65                  70                  75                  80

Val Leu Leu Gln Gln Arg Asn Ala Lys Gly Glu Leu Pro Leu Asp Tyr
                 85                  90                  95

Val Val Ser Pro Gln Ile Lys Glu Glu Leu Xaa Ala Ile Thr Lys Ile
            100                 105                 110

Xaa Asp Thr Val Glu Asn Phe His Ala Gln Ala Glu Lys His Phe His
        115                 120                 125

Tyr Gln Gln Leu Glu Phe Gly Ser Phe Leu Leu Ser Arg Met Leu Leu
    130                 135                 140

Asn Phe Cys Ser Ile Phe Asp Leu Ser Ser Glu Phe Ile Leu Ala Ser
145                 150                 155                 160

Lys Gly Leu Thr His Leu Asn Glu Leu Leu Met Ala Cys Lys Ser His
                165                 170                 175

Lys Glu Thr Thr Ser Val His Thr Asp Trp Leu Leu Asp Leu Tyr Ala
            180                 185                 190

Gly Asn Ile Lys Thr Leu Gln Lys Leu Pro His Ile Leu Lys Glu Leu
        195                 200                 205

Pro Glu Asn Leu Lys Val Cys Pro Gly Val His Thr Glu Ala Leu Met
    210                 215                 220

Ile Thr Leu Glu Met Met Cys Arg Ser Val Met Glu Phe Ser
225                 230                 235
```

BNSDOCID: <WO 0122920A2 I >

<210> 5374
<211> 78
<212> PRT
<213> Homo sapiens

<400> 5374
Ile Lys Asp Cys Leu Lys Thr Lys Gly Asn Leu Thr Asp Glu Lys Lys
1 5 10 15

Pro Asp Glu Arg His Leu Thr Lys Asn Glu Lys Lys Leu Ser Gly Gln
20 25 30

Asn Asn Tyr Glu Lys Met Asn Leu Gln Ile Arg Lys Arg Glu Lys Ser
35 40 45

Leu Phe Asp Thr Met Gly Thr Gln Lys Arg Val Asn Thr Asn Val Lys
50 55 60

Ile Pro Arg Val Lys Lys Ser Ile Ile Thr Thr Phe Arg Ala
65 70 75

<210> 5375
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5375
Phe Gly Arg Ala Val Thr Gln Ala Gly Val Leu Trp His Asn Leu Gly
1 5 10 15

Leu Leu Gln Pro Gln Phe Leu Gly Leu Asn Ser Pro Pro Thr Ser Ala
20 25 30

Ser Trp Val Ala Gly Thr Thr Val Thr Ala Leu Pro Cys Pro Asp Asn
35 40 45

Phe Phe Phe Phe Phe Xaa
50

<210> 5376
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5376
His Phe Thr Val Leu Phe Gly Ile Ile Leu Tyr Glu Ala Val Trp Ile
1 5 10 15

Gly Leu Leu Phe Pro Leu Val Asn Trp Leu Met Leu Arg Phe Trp Leu
20 25 30

Leu Glu Ser Ile Cys Val Phe Pro Val Leu Ala Ser His Tyr Val Ile
35 40 45

Cys Xaa Ile Phe
50

<210> 5377
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5377
Met Arg Leu Lys Ser Val Cys Val Cys Xaa Arg Ala Arg Met Trp Pro
1 5 10 15

Lys Asn Ser Ala Ile Met Ser Asn Ser Ser Phe Ala Leu Phe Leu Arg
20 25 30

Val Asp Asp Ile Arg His Phe Ser Val Phe Gly Glu Ile Asp Trp Asp
35 40 45

Thr Ser Pro Lys Pro Thr Gln Val Cys Asn Trp Lys Pro Gly Gly Trp
50 55 60

Phe Ser Gly Pro Leu Cys Pro Leu Ser Phe Thr Val Ile Leu Phe Thr
65 70 75 80

Ser Thr

<210> 5378
<211> 290
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5378
Thr Asn Ser Xaa Phe Asp Lys Gln Asn Asp Asp Pro Lys Glu Arg Ile
1 5 10 15

Asp Lys Asp Thr Lys Asn Val Asn Ser Asn Thr Gly Met Gln Thr Thr
20 25 30

Glu Asn Tyr Leu Thr Glu Lys Gly Asn Glu Arg Asn Val Lys Phe Pro
35 40 45

Pro Glu His Pro Val Glu Asn Asp Val Thr Gln Thr Val Ser Ser Phe
50 55 60

Ser Leu Pro Ala Ser Ser Arg Ser Lys Lys Leu Cys Asp Val Thr Thr
65 70 75 80

Gly Leu Lys Ile His Val Ser Ile Pro Asn Arg Ile Pro Lys Ile Val
85 90 95

Lys Glu Gly Glu Asp Asp Tyr Tyr Thr Asp Gly Glu Glu Ser Ser Asp
100 105 110

Asp Gly Lys Lys Tyr His Val Lys Ser Lys Ser Ala Lys Pro Ser Thr
115 120 125

Asn Val Lys Lys Ser Ile Arg Lys Lys Tyr Cys Lys Val Ser Ser Ser
130 135 140

Ser Ser Ser Ser Leu Ser Ser Ser Ser Ser Gly Ser Gly Thr Asp Cys
145 150 155 160

Leu Asp Ala Gly Ser Asp Ser His Leu Ser Asp Ser Ser Pro Ser Ser
165 170 175

Lys Ser Ser Lys Lys His Val Ser Gly Ile Thr Leu Leu Ser Pro Lys
180 185 190

```
His Lys Tyr Lys Ser Gly Ile Lys Ser Thr Glu Thr Gln Pro Ser Ser
        195                 200                 205

Thr Thr Pro Lys Cys Gly His Tyr Pro Glu Glu Ser Glu Asp Thr Val
    210                 215                 220

Thr Asp Val Ser Pro Leu Ser Thr Pro Asp Ile Ser Pro Leu Gln Ser
225                 230                 235                 240

Phe Glu Leu Gly Ile Ala Asn Asp Gln Lys Val Lys Ile Lys Lys Gln
                245                 250                 255

Glu Asn Val Ser Gln Glu Ile Tyr Glu Asp Val Glu Asp Leu Lys Asn
            260                 265                 270

Asn Ser Lys Tyr Leu Lys Ala Ala Lys Lys Gly Glu Glu Asn Leu Gly
        275                 280                 285

Leu Leu
    290
```

<210> 5379
<211> 59
<212> PRT
<213> Homo sapiens

<400> 5379

```
Pro Lys Thr Ala Phe Asp Ser Cys Ser Pro Thr Cys Ser Ser Pro Ser
  1               5                  10                  15

Phe Leu His Leu Arg Asn Val Thr Ser Ser Ala Lys Ser Phe Pro Asp
            20                  25                  30

Leu Ser Lys Ile Ile Thr Ser Ser Val Cys Cys Gly Asn Leu Tyr Arg
        35                  40                  45

Met Val Gly Lys Phe Gln Val Ser Tyr Leu Asp
    50                  55
```

<210> 5380
<211> 152
<212> PRT
<213> Homo sapiens

<400> 5380

```
Lys Leu Leu Leu Phe Ser Leu Ser Ile Leu Leu Phe Phe Gly Lys Gln
```

```
  1               5                  10                  15

Ser Leu Ser Pro Val Met Gly Gly Gly Gly Trp Glu Arg Leu His Ser
             20                  25                  30

Thr Pro Trp Lys Trp Glu Tyr Pro Tyr Val Val Phe Gly Ile Phe Leu
         35                  40                  45

Tyr Gly Lys Phe Val Ser Pro Ser His Pro Asn Leu Phe Thr Ser Val
     50                  55                  60

Trp Thr His Val Tyr Phe Val Phe Trp Val Thr Gln Tyr Leu Phe Cys
 65                  70                  75                  80

Cys Leu Ser Cys Pro Ala Trp Leu Leu Gly Val Leu Pro Gly Trp Leu
                 85                  90                  95

Leu Cys Pro Phe Asp Val Pro Ile Leu Leu Ile Phe Glu His Phe Leu
            100                 105                 110

Leu Ser Gly Thr Thr Arg Cys Ser Arg Phe Ile Leu Asp Ile Pro Cys
        115                 120                 125

Pro Asn Pro Arg Ile Pro Arg Ile Asn Pro Cys Ser Lys Glu Pro Trp
    130                 135                 140

Phe Leu Leu Leu Glu Asn His Thr
145                 150
```

<210> 5381
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5381

```
Phe Leu Cys Ser Val Val Tyr Phe Phe Phe Leu Leu Leu Leu Ser Pro
  1               5                  10                  15

Leu Ser Pro Leu Lys Ala Gly Asn Arg Leu Leu Glu Asn Leu Arg Gly
             20                  25                  30

Lys Arg Ile Leu Phe Thr Gly Gly Ser Arg Lys Leu Ser Glu Arg Ser
         35                  40                  45
```

Ile Val Leu Ser Pro Phe Pro Leu Ser Phe Gln Phe Gly Xaa Trp Trp
50 55 60

Ser Glu Glu Glu Lys Glu Ile Leu Cys Met Tyr Val
65 70 75

<210> 5382
<211> 50
<212> PRT
<213> Homo sapiens

<400> 5382
Gly Asp Asp Phe Gly Arg Asn Pro Phe Gly Thr Thr His Pro Ala Met
1 5 10 15

Ser Val Glu Lys Trp Asn Cys Asn Pro Gln Glu Ser His Phe Ile Phe
20 25 30

Leu Pro Phe Lys Trp Leu Ile Lys Gly Ser Ala Ser Ser Thr Gly Phe
35 40 45

Met Glu
50

<210> 5383
<211> 133
<212> PRT
<213> Homo sapiens

<400> 5383
Asn Ala His Ala Gly Arg Tyr Cys Ser Tyr Gln Tyr Phe Ala Phe Tyr
1 5 10 15

Asn Lys Gly Leu Phe Ile Leu Met Pro Phe Leu Gln Asp Phe Phe Val
20 25 30

Ile Ser Val His Met Lys Met Leu Thr Leu Asn Ile Asn Thr Trp Arg
35 40 45

Pro Cys Pro Val Ala Leu Pro Trp Leu Pro Ala Trp Ser Val Phe Pro
50 55 60

Cys Gly Phe Thr Cys Gly Pro Ala Val Ala Thr Ser Met Val Cys Val
65 70 75 80

Leu Val Asp Ser Leu Gln Leu Ser Asp Ala Ser Phe Cys His Asn His
85 90 95

```
Leu Phe Pro Asp Thr Ile Val Leu Ile Leu Phe Gln Asn Cys Lys Ile
            100                 105                 110

Ile Ser Ser Leu Lys Cys Lys Gly Cys Phe Cys Ser Val Ser Val Phe
        115                 120                 125

Phe Glu Ile Lys Leu
    130
```

<210> 5384
<211> 74
<212> PRT
<213> Homo sapiens

<400> 5384

```
Tyr Leu Phe Ser Leu Leu Phe Met Ser Leu Cys Arg Ile Leu Gly Tyr
  1               5                  10                  15

Ser Phe Ser Ser Arg Leu Ser Ser Leu Ile Leu Pro Leu Ala Val Phe
             20                  25                  30

His Tyr Cys Leu Ser Cys Pro Leu His Phe Lys Leu Ser Phe Lys Tyr
         35                  40                  45

Leu Pro Phe Pro Ser Phe Pro Phe Ser Ser Leu Pro Cys Pro Ala Leu
     50                  55                  60

Pro Cys Pro Ala Leu Pro Ser Pro Pro Leu
 65                  70
```

<210> 5385
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5385
Ile Phe Asp Phe Phe His Gln Arg Phe Cys Phe Pro Ala Ile Asp Phe
1 5 10 15

Ala Tyr Leu Leu Leu Asp Leu Tyr Leu Lys Val Leu Ser Phe Trp Asn
20 25 30

Val Cys Phe Cys Thr Cys Phe Ala Asn Xaa Phe Leu Asn Ser Lys Phe
35 40 45

Tyr Cys Leu Ala Tyr Asn Asn Leu Asn Phe Xaa Tyr Ile Asn Pro Gly
50 55 60

Glu Lys Glu Pro Lys Xaa Thr
65 70

<210> 5386
<211> 74
<212> PRT
<213> Homo sapiens

<400> 5386
Leu Ala Asn Cys Ala Phe Lys Lys Lys Asn Arg Gln Thr Phe Glu Gly
1 5 10 15

Gln Glu Gly Ser Cys Pro Val Phe Gln Lys Ser Phe Phe Pro Ala Ile
20 25 30

Arg Asn Val Lys Pro Asn Leu Ala Thr Lys Ile Asn Glu Lys Met Gly
35 40 45

Phe Pro Leu Val Leu Ser Leu Ser Cys Ser Trp Leu Cys Tyr Val Leu
50 55 60

Ser Pro Arg Leu Tyr Pro Asp Lys Met Ser
65 70

<210> 5387
<211> 64
<212> PRT
<213> Homo sapiens

<400> 5387

```
Gly Lys Arg His Ile Phe Ser Leu Thr Gln Leu Ala Asp Thr Glu Val
  1               5                  10                  15

Gly Arg Trp Gln Glu Lys Ala Ser Thr Glu Leu Ile Gln Thr Cys Arg
             20                  25                  30

Lys Leu Pro Leu Leu Leu Leu Ser Lys Met Lys Gly Ser Gly Lys Arg
         35                  40                  45

His Leu Pro Phe Pro Ala Leu Arg Ile Leu Ala Ser Leu Ser Leu Tyr
     50                  55                  60
```

<210> 5388
<211> 220
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (156)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (220)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5388

```
Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly
  1               5                  10                  15

Ser Thr His Ala Ser Ala Asn Ser Phe Val Lys Phe Ala Asn Ile Glu
             20                  25                  30

Glu Asp Thr Pro Ser Tyr His Arg Arg Tyr Asp Phe Phe Val Ser Arg
         35                  40                  45

Phe Ser Ala Met Cys His Ser Cys His Ser Asp Pro Glu Ile Arg Thr
     50                  55                  60

Glu Ile Arg Ile Ala Gly Ile Arg Gly Ile Gln Gly Val Val Arg Lys
```

```
 65                  70                  75                  80

Thr Val Asn Asp Glu Leu Arg Ala Thr Ile Trp Glu Pro Gln His Met
                 85                  90                  95

Asp Lys Ile Val Pro Ser Leu Leu Phe Asn Met Gln Lys Ile Glu Glu
            100                 105                 110

Val Asp Ser Arg Ile Gly Pro Pro Ser Ser Pro Ser Ala Thr Asp Lys
        115                 120                 125

Glu Glu Asn Pro Ala Val Leu Ala Glu Asn Cys Phe Arg Glu Leu Leu
    130                 135                 140

Gly Arg Ala Thr Phe Gly Asn Met Asn Asn Ala Xaa Arg Pro Val Phe
145                 150                 155                 160

Ala His Leu Asp His His Lys Leu Xaa Asp Pro Asn Glu Phe Ala Val
                165                 170                 175

His Cys Phe Lys Ile Ile Met Tyr Ser Ile Gln Ala Gln Tyr Ser His
            180                 185                 190

His Val Ile Gln Glu Ile Leu Gly His Leu Asp Ala Arg Lys Lys Asp
        195                 200                 205

Ala Pro Gly Phe Glu Gln Val Leu Phe Arg Phe Xaa
    210                 215                 220
```

<210> 5389
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5389
Leu Cys Val Arg Cys Ser Lys Lys Val Ala Gln Ser Val Met Arg Lys
1 5 10 15

Leu Xaa Gly Tyr Ile Leu Ser Arg Met Asn Arg Gln Asp Ser Leu Lys
20 25 30

Asn Phe Leu Gly Asn Glu Lys Xaa Ala Xaa Cys Asn Xaa Phe Met Pro
35 40 45

Ile Ile Pro Asn Thr Xaa Gly Gly Leu Lys Gly Glu Asp His Phe Xaa
50 55 60

Pro
65

<210> 5390
<211> 121
<212> PRT
<213> Homo sapiens

<400> 5390
Ile Cys Glu Ile Leu Ser Leu Cys Pro Phe Pro Thr Ser Gly Pro Thr
1 5 10 15

Pro Gly Pro Ser Pro Thr Phe Leu Leu Ser Ser Leu Ala Val Val Ile
20 25 30

Ile Trp Gly Leu Tyr Cys Thr Tyr Pro Gly Cys Val Cys Val Gly Trp
35 40 45

Gly Gln Pro Phe Cys Thr Glu Leu Pro Gly Pro Leu Pro Pro Arg Pro
50 55 60

```
Ser Ala Ser Leu Pro Thr His His Leu Lys Gly Arg Glu Leu Leu Phe
 65                  70                  75                  80

Leu Pro Val Leu Phe Cys Phe Leu Val Leu Pro Pro His Pro Thr Pro
                85                  90                  95

Ser Leu Ile Tyr Pro Pro Ser Leu Ser Pro Phe Leu His Ser Gln Pro
            100                 105                 110

His Phe Leu Phe Phe Trp Ser Val Trp
        115                 120
```

<210> 5391
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5391

```
Phe Thr Asn Trp Arg Leu Leu Ile Leu Ile His Leu Arg Phe Lys Ile
  1               5                  10                  15

Phe Ile Asn Cys Lys Gln Cys Asn Tyr Leu Tyr Phe Thr Val Pro Ser
            20                  25                  30

Gln Thr Phe His Leu Arg Phe Cys Cys Lys Lys His Gln Val Ser Xaa
        35                  40                  45

Thr
```

<210> 5392
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5392

```
Leu Leu Ala Ala Gly Ile Ser Glu Glu Gly Leu Val Leu Ile Leu Lys
```

1 5 10 15

Val Leu Cys Ser Cys Pro Arg Pro Glu Xaa Thr His Ala Glu Thr Leu
20 25 30

Pro Ser Pro Ser Lys Val Gln Gly Leu Val Thr Glu Tyr Trp Val Glu
35 40 45

His Met Thr Gly Ser Gln Leu Ile Pro Pro Ser Leu Pro Val Lys Pro
50 55 60

Gln Asp Ser Cys Phe Pro Gly Ser His Leu Arg Pro Leu Arg
65 70 75

<210> 5393
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5393
Val Leu His His Val Leu Ile His Leu Ile Leu Thr Glu Ile Val Asn
1 5 10 15

Xaa Gly Ile Ile Leu Ile Leu Thr Leu Trp Ile Lys Lys Thr Lys Ala
20 25 30

Gln Arg Val Lys Ala Ser Leu Pro Glu Ile Ile Asp Cys Lys Phe Glu
35 40 45

Arg

<210> 5394
<211> 29
<212> PRT
<213> Homo sapiens

<400> 5394
Ile Leu Thr Pro Pro Leu Cys Asp Ile Gln Lys Leu Asn Ser Lys Cys
1 5 10 15

Asn Lys His Leu Asn Ile Arg Ile Lys Thr Ile Lys Leu

20 25

<210> 5395
<211> 187
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (168)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5395

```
Ala Glu Ala Glu Phe Ala Met Asp Ser Asn His Gln Ser Asn Tyr Lys
  1               5                  10                  15

Leu Ser Lys Thr Glu Lys Lys Phe Leu Arg Lys Gln Ile Lys Ala Lys
             20                  25                  30

His Thr Leu Leu Arg His Glu Gly Ile Glu Thr Val Ser Tyr Ala Thr
         35                  40                  45

Gln Ser Leu Val Val Ala Asn Gly Gly Leu Gly Asn Gly Val Ser Arg
     50                  55                  60

Asn Gln Leu Leu Pro Val Leu Glu Lys Cys Gly Leu Val Asp Ala Leu
 65                  70                  75                  80

Leu Met Pro Pro Asn Lys Pro Tyr Ser Phe Ala Arg Tyr Arg Thr Thr
                85                  90                  95

Glu Glu Ser Lys Arg Ala Tyr Val Thr Leu Asn Gly Lys Glu Val Val
            100                 105                 110

Asp Asp Leu Gly Gln Lys Ile Thr Leu Tyr Leu Asn Phe Val Glu Lys
        115                 120                 125

Val Gln Trp Lys Glu Leu Arg Pro Gln Ala Leu Pro Pro Gly Leu Met
    130                 135                 140

Val Val Glu Glu Ile Ile Ser Ser Glu Glu Glu Lys Met Leu Leu Glu
145                 150                 155                 160

Ser Val Asp Trp Thr Glu Asp Xaa Asp His Gln Asn Ser Gln Lys Ile
```

165 170 175

Leu Lys Thr Xaa Lys Ser Lys Ala Phe Trp Leu
180 185

<210> 5396
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5396
Phe Phe Pro Phe Gly Asn Ser Val Asn Pro Ala Val Gly Cys Cys Leu
1 5 10 15

Ser Asp Tyr Lys Arg Leu Gly Ser Cys Phe Cys Phe Lys Cys Leu Arg
20 25 30

Leu Trp Ser Tyr Thr Leu Val Leu Leu Gly Gln Ser Glu His Cys Leu
35 40 45

Leu Cys Lys Ile Ile Ser Phe Arg Val Xaa Ser Cys Gln Ile Tyr Trp
50 55 60

Pro Leu Ile Gln Tyr Ser Trp Val Tyr Cys Met
65 70 75

<210> 5397
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5397
Glu Asp Gln Glu Lys Lys Glu Leu Lys Met Glu Lys Ala Thr Val Arg
1 5 10 15

Thr Val Gly Tyr Arg Arg Arg Asn Ser Gly Ser Thr Xaa Asp Pro Pro
20 25 30

Pro Gly Xaa Met Ser Phe Gln Glu Trp Asn Pro Ser Leu Val Met Val
35 40 45

Ser Xaa Pro Val Leu Pro Ala Ser Thr Leu Pro Cys Pro Pro Arg Gly
50 55 60

Val Ser Glu Ser Ala Ser Gly Phe Leu Met Met Val Val Val Val Val
65 70 75 80

Val

<210> 5398
<211> 83
<212> PRT
<213> Homo sapiens

<400> 5398
Tyr Phe Val His His Asn Phe Cys Ile Tyr Phe Phe Lys Tyr Cys Ile
1 5 10 15

Lys Ile Ser Phe Ser Leu Ile Ile Glu Phe Phe Gly Leu Arg Phe Phe
20 25 30

Val Ala Ser Phe Phe Phe Ser Phe Phe Pro Pro Leu Phe Phe Gly Cys
35 40 45

Pro Leu Lys Phe Cys Pro Lys Ala Gly Thr Ser Leu Ile Ser Ser Leu
50 55 60

Ala Gln Pro Cys Trp Leu Val Phe Ser Ile Tyr Phe Ser Lys Ile Phe
65 70 75 80

Val Ser Val

<210> 5399
<211> 227
<212> PRT
<213> Homo sapiens

<400> 5399
Phe Ile Leu Arg Arg Leu Thr Met Asn Glu Leu Asn Ser Val Ser Asp
1 5 10 15

Leu Asp Arg Cys His Leu Tyr Leu Met Val Leu Thr Glu Leu Ile Asn
20 25 30

Leu His Leu Lys Val Gly Trp Lys Arg Gly Asn Pro Ile Trp Arg Val
35 40 45

Ile Ser Leu Leu Lys Asn Ala Ser Ile Gln His Leu Gln Glu Met Asp
50 55 60

Ser Gly Gln Glu Pro Thr Val Gly Ser Gln Ile Gln Arg Val Val Ser
65 70 75 80

Met Ala Ala Leu Ala Met Val Cys Glu Ala Ile Asp Gln Lys Pro Glu
85 90 95

Leu Gln Leu Asp Ser Leu His Ala Gly Pro Leu Glu Ser Phe Leu Ser
100 105 110

Ser Leu Gln Leu Asn Gln Thr Leu Gln Lys Pro His Ala Glu Glu Gln
115 120 125

Ser Ser Tyr Ala His Pro Leu Glu Cys Ser Ser Val Leu Glu Glu Ser
130 135 140

Ser Ser Ser Gln Gly Trp Gly Lys Ile Val Ala Gln Tyr Ile His Asp
145 150 155 160

Gln Trp Val Cys Leu Ser Phe Leu Leu Lys Lys Tyr His Thr Leu Ile
165 170 175

Pro Thr Thr Gly Ser Glu Ile Leu Glu Pro Phe Leu Pro Ala Val Gln
180 185 190

Met Pro Ile Arg Thr Leu Gln Ser Ala Leu Glu Ala Leu Thr Val Leu
195 200 205

Ser Ser Asp Gln Val Leu Pro Val Phe His Cys Leu Lys Val Leu Val
210 215 220

Pro Asn Phe
225

BNSDOCID: <WO_ 0122920A2 I >

<210> 5400
<211> 55
<212> PRT
<213> Homo sapiens

<400> 5400
Gln Thr Cys Arg Phe Leu Leu Met Trp Glu Lys Ile Leu Ile Ile Asn
1 5 10 15

Asp Ile Lys Val Ile Ile Phe Ser Tyr Val Tyr Arg Tyr Leu Tyr Phe
20 25 30

Phe Leu Asn Glu Leu Leu Met Thr Phe Val Tyr Phe Tyr Leu Gly Leu
35 40 45

Leu Leu Ser His Leu Phe Leu
50 55

<210> 5401
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5401
Gln Ala Arg Leu Pro Ser Ala Asn Leu Ser Asn Trp Gly Gly Glu Arg
1 5 10 15

Xaa Ser Ser Ser Glu Gly Arg Ala Arg Cys Gln Ile Cys Ser Ser Ala
20 25 30

Pro Ala Ser Ala Ala Arg Arg Arg Ala Glu Gly Ala Pro Gly Pro Arg
35 40 45

```
Pro Val Thr Gly Arg Ala Gly Ala Pro Ala Val Arg Gly Arg Arg Arg
     50                  55                  60

Gly Pro Cys Arg Cys Trp Gly Thr Arg Tyr Arg Pro Cys Xaa Pro Arg
 65                  70                  75                  80

Pro Pro Pro Xaa Gly Pro Leu Leu Ala Pro
                 85                  90
```

<210> 5402
<211> 48
<212> PRT
<213> Homo sapiens

<400> 5402

```
Ile Arg His Glu Glu Leu Arg Lys Glu Gly Phe Asp Pro Ala Ile Val
  1               5                  10                  15

Lys Asp Pro Leu Phe Tyr Leu Asp Ala Gln Lys Gly Arg Tyr Val Pro
             20                  25                  30

Leu Asp Gln Glu Ala Tyr Ser Arg Ile Gln Ala Gly Glu Glu Lys Leu
         35                  40                  45
```

<210> 5403
<211> 100
<212> PRT
<213> Homo sapiens

<400> 5403

```
Phe Gly Thr Arg Thr Lys Pro Ile Lys Pro Ala Leu Lys Ser Ala Glu
  1               5                  10                  15

Val Glu Leu Lys Thr Gly Gly Asn Asn Ser Asn Gln Val Ser Glu Thr
             20                  25                  30

Asp Glu Lys Glu Asp Leu Leu His Glu Asn Arg Leu Met Gln Asp Glu
         35                  40                  45

Ile Ala Arg Leu Arg Leu Glu Lys Asp Thr Ile Lys Asn Gln Asn Leu
     50                  55                  60

Glu Lys Lys Tyr Leu Lys Asp Phe Glu Ile Val Lys Arg Lys His Glu
```

65 70 75 80

Asp Leu Gln Lys Ala Leu Lys Arg Glu Trp Gly Asn Ile Ser Lys Asn
85 90 95

Asp Ser Leu Leu
100

<210> 5404
<211> 38
<212> PRT
<213> Homo sapiens

<400> 5404
Pro His Arg Thr Ala Phe Ser Cys Phe Ser Asp Thr Leu Met Lys Val
1 5 10 15

Trp Arg Ser Gly Asp Ile Ile Asp Lys Ile Tyr Gln Phe Pro Glu Lys
20 25 30

Thr Leu Asp Leu Lys Thr
35

<210> 5405
<211> 62
<212> PRT
<213> Homo sapiens

<400> 5405
Asp His Thr Gly Gln Arg Gly Leu His Ser His Leu Arg Leu Gln Asp
1 5 10 15

Gly Arg Pro Ala Ala Gly Gly Thr Arg Gly His Arg Ala Pro Leu Pro
20 25 30

Leu Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg
35 40 45

Pro Pro Pro Arg Trp Ser Thr Ser Phe Val Pro Leu Val Ser
50 55 60

<210> 5406
<211> 183
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5406

```
Leu Pro Pro Gln Ala Phe Asn His Ile Ala Lys Leu Cys Ser Leu Lys
 1               5                  10                  15

Arg Leu Val Leu Tyr Arg Thr Lys Val Glu Ile Glu Asp Tyr Asp Val
            20                  25                  30

Ile Ala Ser Met Ile Gly Ala Lys Cys Lys Lys Leu Arg Thr Leu Asp
        35                  40                  45

Leu Trp Arg Cys Lys Asn Ile Thr Glu Asn Gly Ile Ala Glu Leu Ala
    50                  55                  60

Ser Gly Cys Pro Leu Leu Glu Glu Leu Asp Leu Gly Trp Cys Gln Leu
65                  70                  75                  80

Cys Arg Xaa His Arg Val Phe Thr Arg Leu Ala His Gln Leu Pro Asn
                85                  90                  95

Leu Gln Lys Leu Phe Leu Thr Ala Asn Arg Ser Val Cys Asp Thr Asp
            100                 105                 110

Ile Asp Glu Leu Ala Cys Asn Cys Thr Arg Leu Gln Xaa Leu Asp Ile
        115                 120                 125

Leu Xaa Thr Arg Met Val Ser Pro Ala Ser Leu Arg Lys Leu Leu Glu
    130                 135                 140

Ser Cys Lys Asp Leu Ser Leu Leu Asp Val Ser Phe Cys Ser Gln Ile
145                 150                 155                 160

Asp Asn Arg Ala Val Leu Glu Leu Asn Ala Ser Phe Pro Lys Val Phe
                165                 170                 175

Ile Lys Lys Ser Phe Thr Gln
```

BNSDOCID: <WO 0122920A2 I >

180

<210> 5407
<211> 89
<212> PRT
<213> Homo sapiens

<400> 5407
Ser Ser Trp Val Gly Gly Ser Leu Arg Gln Ala Ala Thr Leu Glu Gly
1 5 10 15

Glu Gln Gly Ser Ala Val Ser Ala Ala Ser His Ala Arg Ser Asp Leu
20 25 30

Ser Leu Gly Thr Pro Gln Glu Pro Glu Asp Ser Ser Gly Gln Cys Arg
35 40 45

Trp Gly Val Gly Gly Glu Ser Gly Arg Glu Ala Leu Arg Ala Pro Ser
50 55 60

Pro Thr Thr Asn Leu Ala Leu Val Val Ile Phe Arg Gln Asn Phe Val
65 70 75 80

Val Phe Phe Pro Phe Tyr Asp Gly Phe
85

<210> 5408
<211> 322
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5408
His Ile Xaa Thr His Thr Gly Glu Arg Pro Phe Lys Cys Pro Phe Glu
1 5 10 15

Gly Cys Gly Arg Ser Phe Thr Thr Ser Asn Ile Arg Lys Val His Val
20 25 30

Arg Thr His Thr Gly Glu Arg Pro Tyr Tyr Cys Thr Glu Pro Gly Cys
35 40 45

Gly Arg Ala Phe Ala Ser Ala Thr Asn Tyr Lys Asn His Val Arg Ile

```
     50                  55                  60

His Thr Gly Glu Lys Pro Tyr Val Cys Thr Val Pro Gly Cys Asp Lys
 65                  70                  75                  80

Arg Phe Thr Glu Tyr Ser Ser Leu Tyr Lys His His Val Val His Thr
                85                  90                  95

His Ser Lys Pro Tyr Asn Cys Asn His Cys Gly Lys Thr Tyr Lys Gln
            100                 105                 110

Ile Ser Thr Leu Ala Met His Lys Arg Thr Ala His Asn Asp Thr Glu
        115                 120                 125

Pro Ile Glu Glu Glu Gln Glu Ala Phe Phe Glu Pro Pro Pro Gly Gln
    130                 135                 140

Gly Glu Asp Val Leu Lys Gly Ser Gln Ile Thr Tyr Val Thr Gly Val
145                 150                 155                 160

Glu Gly Asp Asp Val Val Ser Thr Gln Val Ala Thr Val Thr Gln Ser
                165                 170                 175

Gly Leu Ser Gln Gln Val Thr Leu Ile Ser Gln Asp Gly Thr Gln His
            180                 185                 190

Val Asn Ile Ser Gln Ala Asp Met Gln Ala Ile Gly Asn Thr Ile Thr
        195                 200                 205

Met Val Thr Gln Asp Gly Thr Pro Ile Thr Val Pro Ala His Asp Ala
    210                 215                 220

Val Ile Ser Ser Ala Gly Thr His Ser Val Ala Met Val Thr Ala Glu
225                 230                 235                 240

Gly Thr Glu Gly Gln Gln Val Ala Ile Val Ala Gln Asp Leu Ala Ala
                245                 250                 255

Phe His Thr Ala Ser Ser Glu Met Gly His Gln Gln His Ser His His
            260                 265                 270

Leu Val Thr Thr Glu Thr Arg Pro Leu Thr Leu Val Ala Thr Ser Asn
        275                 280                 285

Gly Thr Gln Ile Ala Val Gln Leu Gly Glu Gln Pro Ser Leu Glu Glu
    290                 295                 300

Ala Ile Arg Ile Ala Ser Arg Ile Gln Gln Gly Glu Thr Pro Gly Leu
305                 310                 315                 320

Asp Asp
```

<210> 5409
<211> 64
<212> PRT
<213> Homo sapiens

<400> 5409
Leu Arg Leu Gln Glu Pro Ala Thr Thr His Pro Cys Pro Pro Thr Leu
1 5 10 15

Gly Leu Ile Phe Val Thr Ser Pro His Tyr Ser Glu Leu Val Arg Pro
20 25 30

Leu His Phe Cys Phe Thr Gln Leu Thr Trp Phe Ala His Thr Asp Thr
35 40 45

Asn Lys His Leu Ser Ile Pro Met Ser Leu Leu Ser Ser Lys Asn Thr
50 55 60

<210> 5410
<211> 27
<212> PRT
<213> Homo sapiens

<400> 5410
Ser Thr His Ala Ser Gly Ser Arg Ser Arg Ala Ala Ala Leu Phe Phe
1 5 10 15

Phe Phe Lys Arg Phe Cys Thr Gly Lys Lys Lys
20 25

<210> 5411
<211> 205
<212> PRT
<213> Homo sapiens

<400> 5411
Ala Ala Ala Ala Ala Gly Asp Pro Gly Ala Met Gly Arg Ala Arg Asp
1 5 10 15

Ala Ile Leu Asp Ala Leu Glu Asn Leu Thr Ala Glu Glu Leu Lys Lys

20 25 30

Phe Lys Leu Lys Leu Leu Ser Val Pro Leu Arg Glu Gly Tyr Gly Arg
35 40 45

Ile Pro Arg Gly Ala Leu Leu Ser Met Asp Ala Leu Asp Leu Thr Asp
50 55 60

Lys Leu Val Ser Phe Tyr Leu Glu Thr Tyr Gly Ala Glu Leu Thr Ala
65 70 75 80

Asn Val Leu Arg Asp Met Gly Leu Gln Glu Met Ala Gly Gln Leu Gln
85 90 95

Ala Ala Thr His Gln Gly Ser Gly Ala Ala Pro Ala Gly Ile Gln Ala
100 105 110

Pro Pro Gln Ser Ala Ala Lys Pro Gly Leu His Phe Ile Asp Gln His
115 120 125

Arg Ala Ala Leu Ile Ala Arg Val Thr Asn Val Glu Trp Leu Leu Asp
130 135 140

Ala Leu Tyr Gly Lys Val Leu Thr Asp Glu Gln Tyr Gln Ala Val Arg
145 150 155 160

Ala Glu Pro Thr Asn Pro Ser Lys Met Arg Lys Leu Phe Ser Phe Thr
165 170 175

Pro Ala Trp Asn Trp Thr Cys Lys Asp Leu Leu Leu Gln Ala Leu Arg
180 185 190

Glu Ser Gln Ser Tyr Leu Val Glu Asp Leu Glu Arg Ser
195 200 205

<210> 5412
<211> 158
<212> PRT
<213> Homo sapiens

<400> 5412
Ser Cys Cys Arg Cys Arg Cys Ala Arg Ala Thr Gly Ala Arg Asp Ala
1 5 10 15

Ile Leu Asp Ala Leu Glu Asn Leu Thr Ala Glu Glu Leu Lys Lys Phe
20 25 30

Lys Leu Val Ser Phe Tyr Leu Glu Thr Tyr Gly Ala Glu Leu Thr Ala
35 40 45

```
Asn Val Leu Arg Asp Met Gly Leu Gln Glu Met Ala Gly Gln Leu Gln
     50                  55                  60

Ala Ala Thr His Gln Gly Ser Gly Ala Ala Pro Ala Gly Ile Gln Ala
 65                  70                  75                  80

Pro Pro Gln Ser Ala Ala Lys Pro Gly Leu His Phe Ile Asp Gln His
                 85                  90                  95

Arg Ala Ala Leu Ile Ala Arg Val Thr Asn Val Glu Trp Leu Leu Asp
            100                 105                 110

Ala Leu Tyr Gly Lys Val Leu Thr Asp Glu Gln Tyr Gln Ala Val Arg
        115                 120                 125

Pro Ser Pro Pro Thr Gln Ala Arg Cys Gly Ser Ser Ser Val Ser His
    130                 135                 140

Gln Pro Gly Thr Gly Pro Ala Arg Thr Cys Ser Ser Arg Pro
145                 150                 155
```

<210> 5413
<211> 40
<212> PRT
<213> Homo sapiens

<400> 5413

```
Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Lys Lys Lys Gln Met Leu
  1               5                  10                  15

Lys Ser Tyr Trp Gln Ser Lys Leu Lys Leu Ala Ala Ile Phe Tyr Ile
             20                  25                  30

Ile Ile Ser Ala Asn Pro Ile Phe
         35                  40
```

<210> 5414
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5414
Ser Cys Leu Met Phe Phe Asn Met Pro Ser Tyr Lys Tyr Phe Ile Gln
1 5 10 15

Tyr Val Val Phe Val Asn Leu Thr Asn Asp Ile Lys His Lys Leu Gln
20 25 30

Cys Arg Gln Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60

Lys Gly Xaa Pro Phe
65

<210> 5415
<211> 186
<212> PRT
<213> Homo sapiens

<400> 5415
Ala His Ala Ser Asp Leu Arg Ala Glu Glu Ile Asp Pro Val Tyr Phe
1 5 10 15

Asp Leu His Pro Gly Gln Gly His Thr Lys Pro Glu Tyr Tyr Tyr Pro
20 25 30

Asn Phe Leu Pro Ser Pro Phe Ser Ser Trp Asp Leu Arg Asp Met Ala
35 40 45

Leu Leu Leu Asn Ala Glu Asn Lys Thr Glu Ala Val Pro Arg Val Gly
50 55 60

Gly Leu Leu Gly Lys Tyr Ile Asp Arg Leu Ile Gln Leu Glu Trp Leu
65 70 75 80

Gln Val Gln Thr Val Gln Cys Glu Lys Ala Lys Gly Gly Lys Ala Arg
85 90 95

Pro Pro Thr Ala Pro Gly Thr Ser Gly Ala Leu Lys Ser Pro Gly Arg
100 105 110

Ser Lys Leu Ile Ala Ser Ala Leu Ser Lys Pro Leu Pro His Gln Glu
115 120 125

Gly Ala Ser Lys Ser Gly Pro Ser Arg Lys Lys Ala Phe His His Glu
130 135 140

```
Glu Ile His Pro Ser His Tyr Ala Phe Glu Thr Ser Pro Arg Pro Ile
145                 150                 155                 160

Asp Val Leu Gly Gly Thr Arg Phe Cys Ser Gln Arg Gln Thr Leu Glu
                165                 170                 175

Met Arg Thr Glu Glu Lys Lys Lys Lys Lys
            180                 185
```

<210> 5416
<211> 39
<212> PRT
<213> Homo sapiens

<400> 5416

```
Cys Tyr Ser Cys Gln Thr Asn Ser Ala Lys Ile Phe Lys Val Thr Arg
  1               5                  10                  15

Gly Lys Arg Met Thr Asn Arg Ser Ala Ser Glu Tyr Ile Phe Gln Asn
             20                  25                  30

Val Gly Lys Lys Leu Leu Asn
         35
```

<210> 5417
<211> 54
<212> PRT
<213> Homo sapiens

<400> 5417

```
Gly Ile Ser Ser Gly Arg Thr Arg Arg Glu Ser Cys Glu Leu Tyr Cys
  1               5                  10                  15

Ile Met Tyr Ile Pro Asp Leu Ile Leu Tyr Arg Thr Phe Tyr Ser Asp
             20                  25                  30

Ile Asn Leu Leu His Lys His Phe Ser Asn Asp Thr Lys Ile Thr Asp
         35                  40                  45

Lys Ile Tyr Tyr Ile Gln
     50
```

<210> 5418
<211> 91
<212> PRT

<213> Homo sapiens

<400> 5418
Val Pro Pro Thr Pro Gly Gln His Gln Asp Gly Ser Ser Leu Gly Ala
1 5 10 15

Phe Val Ser Pro Pro Cys Leu Cys Ser Glu Cys Ala Pro His Phe Ser
20 25 30

Ala Thr Leu Thr Leu Ser Leu Ile Trp Ser Cys Leu Thr Ser Leu Leu
35 40 45

Tyr Ala Leu Leu Leu Ser Ile Ser Ser Ala Leu Met Pro Ala Gly Val
50 55 60

Met Pro Glu Ile Ile Ser Glu Lys Ala Arg Gln Phe Cys Val Cys Val
65 70 75 80

Cys Ala His Arg Gly Val Leu Val Val Leu Ile
85 90

<210> 5419
<211> 36
<212> PRT
<213> Homo sapiens

<400> 5419
Val Lys Asn Gly Lys Gln Lys Val Thr Ala Val Met Asn Ile Leu Val
1 5 10 15

Gln Ile Leu Val Leu Asn Leu Thr Pro Glu Ser Lys Ile Leu Gly Ser
20 25 30

Leu Phe Pro Val
35

<210> 5420
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5420
Lys Ser Lys Glu Asn Arg Asn Gln Phe Glu Gly Leu Gln Gly Gly Leu
1 5 10 15

Leu Ala Gln Leu Ser Ile Asn Thr Tyr Gly Val Ile Ala Val Phe Ser
20 25 30

Arg Gly Val Leu Leu Arg Ser Gly Phe Leu Gly Leu His Ala Ala Met
35 40 45

Asp Leu Asp Xaa Pro Ser Val Trp Gly Ser Leu Lys Gln Arg Thr Arg
50 55 60

Pro Leu Leu Ile Asn Leu Ser Xaa Lys Lys Val Lys Lys Asn Pro Ser
65 70 75 80

Lys Pro Pro Asp Leu Arg Ala Arg His His Leu Asp Arg Arg Leu Xaa
85 90 95

<210> 5421
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5421
Gln Asn Ile Ser Ser Xaa Leu Ile Gly Pro Thr Xaa Val Phe Arg Val
1 5 10 15

Met Lys Leu Arg Phe Phe Cys Val Trp Leu His His Glu Ile Leu Arg
20 25 30

Arg Pro Lys Pro
35

<210> 5422
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5422
Xaa Lys Cys Lys Tyr Lys Thr Phe Gln Ile Lys Ile Glu Tyr Ala His
1 5 10 15

Cys Ser Lys Ala Lys Leu Leu Pro Tyr Tyr Ile Tyr Phe Thr Ser Leu
20 25 30

Ile Phe Ser Pro Ser Lys Met His Trp Tyr Ser Gly Leu Glu Ser Glu
35 40 45

Ser Phe Ala Ile Lys Leu Thr Tyr Xaa Gly Phe Asn Pro Leu Lys Val
50 55 60

Gln
65

<210> 5423
<211> 67
<212> PRT
<213> Homo sapiens

<400> 5423
Gly Thr Ser Arg Pro Ser His Tyr His Val Leu Trp Asp Asp Asn Cys
1 5 10 15

```
Phe Thr Ala Asp Glu Leu Gln Leu Leu Thr Tyr Gln Leu Cys His Thr
            20                  25                  30

Tyr Val Arg Cys Thr Arg Ser Val Ser Ile Pro Ala Pro Ala Tyr Tyr
        35                  40                  45

Ala His Leu Val Ala Phe Arg Ala Arg Tyr His Leu Val Asp Lys Glu
    50                  55                  60

His Asp Arg
65
```

<210> 5424
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5424

```
Pro Ile Gly Trp Lys Thr Arg Pro Ile Glu Glu Leu Gly Asn Val Ser
  1               5                  10                  15

Phe Cys Tyr Phe Cys Tyr Ser Ser Leu Gly Phe Ile Val Ser Phe Phe
            20                  25                  30

Ile Phe Lys Ile Leu Cys Leu Lys Val Phe Leu Leu Asn Tyr Glu Val
        35                  40                  45

Asp Met His Val Tyr Ile Tyr Val Lys Tyr Leu Leu Cys Lys Val Phe
    50                  55                  60

Phe Val Tyr Ser Leu Lys Arg Ser Leu Tyr Leu Asn Lys Ser Glu Gly
65                  70                  75                  80

Gln Gln Xaa Lys Xaa Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
                85                  90                  95
```

<210> 5425
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5425
Arg Thr Pro Val Val Pro Ala Thr Xaa Glu Ala Lys Val Gly Gly Ser
1 5 10 15

Leu Glu Pro Gly Arg Gln Arg Leu Gln
20 25

<210> 5426
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5426
Glu Gln Ser Arg Gln Gly Ile Pro Asn Arg Ile Asn Ser Arg Phe Leu
1 5 10 15

Ile Gln Lys Pro Cys Lys Pro Arg Lys Ala Met Gly Asp Ile Leu Gln

20 25 30

Asn Ala Glu Ile Lys Thr Val Gln Gln Thr Phe Pro His Pro Gln Gln
35 40 45

Lys Ser Xaa Asn Lys Gly Lys Ser Cys Cys Met Xaa Asn Leu Asn Lys
50 55 60

Ile Gly Phe Pro Ala Gly Xaa Phe Gly Xaa Asn Phe Pro Pro Leu Asn
65 70 75 80

Val Pro

<210> 5427
<211> 168
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5427
Arg Gly Leu Ala Xaa Lys His Pro Gly Arg Val Gly Gln Ala Ala Leu
1 5 10 15

Tyr Gly Cys Gly Cys Trp Ala Glu Asn Thr Gly Ala His Asn Pro Tyr
20 25 30

Ser Thr Ala Val Ser Thr Ser Gly Cys Gly Glu His Leu Val Arg Thr
35 40 45

Ile Leu Ala Arg Glu Cys Ser His Ala Leu Gln Ala Glu Asp Ala His
50 55 60

Gln Ala Leu Leu Glu Thr Met Gln Asn Lys Phe Ile Ser Ser Pro Phe
65 70 75 80

Leu Ala Ser Glu Asp Gly Val Leu Gly Gly Val Ile Val Leu Arg Ser
85 90 95

Cys Arg Cys Ser Ala Glu Pro Asp Ser Ser Gln Asn Lys Gln Thr Leu
100 105 110

Leu Val Glu Phe Leu Trp Ser His Thr Thr Glu Ser Met Cys Val Gly
115 120 125

Tyr Met Ser Ala Gln Asp Gly Lys Ala Lys Thr His Ile Ser Arg Leu
130 135 140

Pro Pro Gly Ala Val Ala Gly Gln Ser Val Ala Ile Glu Gly Gly Val
145 150 155 160

Cys Arg Leu Glu Ser Pro Val Asn
165

<210> 5428
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5428
Phe Asn Phe Glu Phe Lys Pro Lys Phe Ile Gly Arg Leu Pro Phe Asp
1 5 10 15

Leu Pro Leu Pro Pro His Leu Val Leu Ser Cys Ile Tyr Thr Pro Gly
20 25 30

Pro Cys Gly Gly Ala Ala Gly Gly Ser Cys Ala Pro Glu Met Arg Leu
35 40 45

Glu Arg Glu Leu Ala Ser Leu Leu Pro Ser Ser Val Ser Lys Glu Pro
50 55 60

Arg Pro Ser Gly Pro Ala Ser Xaa Lys Arg Trp Trp Asn Pro Cys Ala
65 70 75 80

Gly

<210> 5429
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2_I >

<400> 5429
Tyr Met Leu Gly Glu Lys Ile Tyr Glu Asn Phe Thr Ile Ile Phe Cys
1 5 10 15

Leu Asp Asn Arg Ser Glu Gly Phe Tyr Pro Thr Trp Lys Val Lys Gly
20 25 30

Leu Gly Leu Thr Asp Phe Leu Xaa Phe Ser Leu Asp Phe Met Lys Ser
35 40 45

Met Leu Ser Phe Ser Gln Lys His
50 55

<210> 5430
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5430
Gln Cys Arg Glu Val His Leu Glu Lys Arg Arg Gly Glu Gly Leu Gly
1 5 10 15

Val Ala Leu Val Glu Ser Gly Trp Gly Ser Leu Leu Pro Thr Ala Val
20 25 30

Ile Ala Asn Leu Leu His Gly Gly Pro Xaa Glu Arg Ser Gly Ala Leu
35 40 45

Ser Ile Gly Asp Pro Leu Thr Gly Xaa Lys Gly Asp Gln Pro
50 55 60

<210> 5431
<211> 133
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ _ 0122920A2 I >

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5431
Phe Leu Gln His Trp Ala Ile Arg Asn Asn Phe Leu Lys Ile Thr Val
1 5 10 15

Leu Tyr Lys Tyr Leu Lys Phe Lys Tyr Arg Lys Tyr Leu Lys Gln Lys
20 25 30

Ala Leu Leu Xaa Gly His Asp Thr Ser Ala Leu Trp Gln Cys Arg Leu
35 40 45

Leu Arg Thr Gln Pro Cys Ser Pro Ser Val Cys Ala Pro Ser Leu Ser
50 55 60

Ser Phe Ala Val Ile Thr His Thr Gly Leu Pro Val Trp Ser Leu Glu
65 70 75 80

Lys Pro Gly Phe Gln Ser Thr Val Glu His Arg Ile Leu Leu Leu Val
85 90 95

Trp Met Phe Asn Glu Leu Tyr Phe Lys Tyr Gln Arg Leu Leu Asn Lys
100 105 110

Asp Asn Val Cys Phe Ser Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
115 120 125

Xaa Xaa Lys Xaa Lys
130

<210> 5432

<211> 64
<212> PRT
<213> Homo sapiens

<400> 5432
Val Lys Gly Glu Trp Ser Gln Tyr Pro Gln Lys Cys Ser Lys Arg Ser
1 5 10 15

Asn Ser Pro Leu Lys Met Ser Leu Phe Leu Ser Met Leu Tyr Pro Gly
20 25 30

Val Leu Val Glu Gly Trp Gly Asn Gln Lys Ser Arg Phe Thr Phe Asn
35 40 45

Ile Phe Leu Asn Tyr Ile His Phe Leu Lys Arg Asn Lys Lys Cys Lys
50 55 60

<210> 5433
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5433
His Ile Arg Asn Lys Ile Leu Gly Tyr Phe Ile Xaa Leu Ala Tyr Phe
1 5 10 15

Phe His Asn Leu Arg Ile Thr Val Phe Val Glu Glu Ile Arg Gln Ala
20 25 30

Asn Lys Val Ala Lys Glu Ala Ala Asn Arg Trp Thr Asp Asn Ile Phe
35 40 45

Ala Ile Lys Ser Trp Ala Lys Arg Lys Phe Gly Phe Glu Glu Asn Lys
50 55 60

Ile Asp Arg Thr Phe Gly Ile Pro Glu Asp Phe Asp Tyr Ile Asp
65 70 75

<210> 5434

<211> 183
<212> PRT
<213> Homo sapiens

<400> 5434
Gly Leu Leu Val Gly Val Gly Ala Ala Ala Val Met Pro Gly Ile Val
1 5 10 15

Glu Leu Pro Thr Leu Glu Glu Leu Lys Val Asp Glu Val Lys Ile Ser
20 25 30

Ser Ala Val Leu Lys Ala Ala Ala His His Tyr Gly Ala Gln Cys Asp
35 40 45

Lys Pro Asn Lys Glu Phe Met Leu Cys Arg Trp Glu Glu Lys Asp Pro
50 55 60

Arg Arg Cys Leu Glu Glu Gly Lys Leu Val Asn Lys Cys Ala Leu Asp
65 70 75 80

Phe Phe Arg Gln Ile Lys Arg His Cys Ala Glu Pro Phe Thr Glu Tyr
85 90 95

Trp Thr Cys Ile Asp Tyr Thr Gly Gln Gln Leu Phe Arg His Cys Arg
100 105 110

Lys Gln Gln Ala Lys Phe Asp Glu Cys Val Leu Asp Lys Leu Gly Trp
115 120 125

Val Arg Pro Asp Leu Gly Glu Leu Ser Lys Val Thr Lys Val Lys Thr
130 135 140

Asp Arg Pro Leu Pro Glu Asn Pro Tyr His Ser Arg Pro Arg Pro Asp
145 150 155 160

Pro Ser Pro Glu Ile Glu Gly Asp Leu Gln Pro Ala Thr His Gly Ser
165 170 175

Arg Phe Tyr Phe Trp Thr Lys
180

<210> 5435
<211> 65
<212> PRT
<213> Homo sapiens

<400> 5435
Gly Thr Gly Cys Cys Ala Glu Gly Arg Pro Glu Ser Gln Ser Ile Phe
1 5 10 15

```
Phe Thr Gly Ser Ala Gly Thr Gly Lys Ser Tyr Leu Leu Lys Arg Ile
            20                  25                  30

Leu Gly Ser Leu Pro Pro Thr Gly Thr Val Ala Thr Ala Ser Thr Gly
        35                  40                  45

Val Ala Ala Cys His Ile Gly Gly Thr Thr Leu His Ala Phe Ala Gly
    50                  55                  60

Lys
 65
```

<210> 5436
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5436

```
His Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val
  1               5                  10                  15

Gln Xaa Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
            20                  25                  30
```

Arg Xaa Arg Glu Leu Val Ser Ser Phe Xaa Phe Xaa Phe Phe His Gly
35 40 45

<210> 5437
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5437
Glu Leu Trp Ser Pro Cys Leu Val Leu Phe Lys Thr Leu Cys Tyr Thr
1 5 10 15

Gly Val Asp Pro Gly Leu Lys Val Ile Gln Phe Trp Gly Leu Ser Leu
20 25 30

Arg Lys Arg Ile Leu Lys Tyr Leu Thr Phe Ala Asn Ile Xaa Lys Ile
35 40 45

Tyr Cys His Ile Asn Met Leu Leu Gly Pro Leu Leu Gly Pro
50 55 60

<210> 5438
<211> 163
<212> PRT
<213> Homo sapiens

<400> 5438
Ser Phe Phe Phe Phe Ser Arg Ser His Val Ser Leu Leu Leu Pro Thr
1 5 10 15

Ala Thr Tyr Phe Ile Pro His Gly Ser Arg His Ser Ser Thr Leu Thr
20 25 30

Asn Phe Leu Thr Pro Ser Ser Phe Leu Glu Ile Ile Ser Ser Pro Cys
35 40 45

Ala Glu Thr Val Ile Ala Leu Ser Ala Glu Met Ala Val Ser Ser Gln
50 55 60

Gln Gly Glu Ile Met Glu Ser Arg Ile Phe Phe Gln Gly Ser His Ala
65 70 75 80

His Phe Pro Thr Cys Met Asn Val Asp Thr Ala Ala Thr Val Leu Ala
85 90 95

Val Asn Val Asn Leu Ala Ser Asn His Cys Ser Gln Gly Asn Val Pro
100 105 110

Ile Arg Arg Arg Leu Ser Gly Thr Leu Ile Leu Thr Gly Arg Trp Asp
115 120 125

Ile Leu Arg Asp Pro Glu Ala Gly Cys His Leu Leu Asn Phe Pro Glu
130 135 140

Gly Cys Leu Gly Ile Cys Phe Leu Phe Ile Leu Glu Leu Phe Phe Leu
145 150 155 160

Phe Met Gly

<210> 5439
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5439
Gln Gly Ile Leu Tyr Phe His Tyr Asn Gln Ile Ile Glu Ile Thr Cys
1 5 10 15

Val Lys Gly Leu Gln Glu Tyr Ile Gln Phe Leu Asn Ile Leu Ile Tyr
20 25 30

BNSDOCID: <WO_ _0122920A2 I_>

Leu Leu Ser Asp Asn Leu Ile Leu Leu Asn Tyr His Leu Pro Leu Ser
35 40 45

Tyr Phe Ile Ile Asn Ser Val Gln Phe Pro Pro Lys Lys Xaa Xaa Tyr
50 55 60

Leu Xaa Asn Ile
65

<210> 5440
<211> 170
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (163)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5440
Val Ile Pro Trp Arg Thr Xaa Ser Ala Asn Xaa Glu Xaa Asp Leu His
1 5 10 15

Tyr Leu Xaa Leu Xaa Thr Xaa Thr Trp Ser Gly Arg Ile Thr Ile Asn
20 25 30

Gly Glu Ser Pro Lys His Arg Ser Trp His Thr Leu Thr Pro Ile Ala
35 40 45

Asp Asp Lys Leu Phe Leu Cys Gly Gly Leu Ser Ala Asp Asn Ile Pro
50 55 60

Leu Ser Asp Gly Trp Ile His Asn Val Thr Thr Asn Cys Trp Lys Gln
65 70 75 80

Leu Thr His Leu Pro Lys Thr Arg Pro Arg Leu Trp His Thr Ala Cys
85 90 95

Leu Gly Lys Glu Asn Glu Ile Met Val Phe Gly Gly Ser Lys Asp Asp
100 105 110

Leu Leu Ala Leu Asp Thr Gly His Cys Asn Asp Leu Leu Ile Phe Gln
115 120 125

Thr Gln Pro Tyr Ser Leu Leu Arg Ser Cys Leu Asp Cys Ile Gly Lys
130 135 140

Asn Ser Ile Met Leu Glu Ser Gln Ile Ser Leu Leu Pro Pro Lys Leu
145 150 155 160

Leu Gln Xaa Val Leu Lys Lys Lys Lys Lys
165 170

<210> 5441
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5441
Ile Gly Ser Val Pro Ala Val Pro Asn Gly Gln Cys Ile Gly Lys His
1 5 10 15

Lys Lys Cys Asp His Asn Val Asp Cys Ser Asp Lys Ser Asp Glu Leu
20 25 30

Asp Cys Tyr Pro Thr Glu Glu Pro Ala Pro Gln Ala Thr Asn Thr Val
35 40 45

Gly Ser Val Ile Gly Val Ile Val Thr Ile Phe Val Ser Gly Thr Val
50 55 60

Tyr Phe Ile Cys Gln Arg Met Leu Cys Pro Arg Met Lys Gly Asp Gly
65 70 75 80

Glu Thr Met Thr Asn Asp Tyr Val Val His Gly Pro Ala Ser Val Pro
85 90 95

Leu Gly Tyr Val Pro His Pro Ser Ser Leu Ser Gly Ser Leu Xaa Xaa
100 105 110

Met Ser Arg Gly Lys Ser Met Ile
115 120

<210> 5442
<211> 55
<212> PRT
<213> Homo sapiens

<400> 5442
Asn Met Tyr Lys Asn Gly Tyr Lys Met Val Glu Ala Thr Arg Ser Val
1 5 10 15

Thr Gly Ile Ile His Ile Asn Thr Thr Lys Ile Gln Phe Asn Ala Lys
20 25 30

Leu Asn Asp Ile Ile Leu His Gln Asn Leu Phe His Thr Lys Ala His
35 40 45

Ala Ser Arg Val Ser Ile Arg
50 55

<210> 5443
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5443

```
Leu Leu Lys Arg Ser His Phe Asn Cys Phe Cys Tyr Ser Ile Tyr Cys
  1               5                  10                  15

His Ser Lys Tyr Ile Leu Thr Gln Asn Lys Leu Asn Asn Leu Cys Met
             20                  25                  30

Phe Val Cys Val Tyr Met His Thr Leu Phe Tyr Ile Lys Ile Leu Arg
         35                  40                  45

Leu Tyr Ser His Cys Ala Leu Trp Asn Lys Ala Ile Tyr Ile Asn Val
     50                  55                  60

Leu Tyr Val Tyr Val Leu Tyr Ile Xaa Lys Thr Phe His Leu Ile Tyr
 65                  70                  75                  80

Ile Cys Val Xaa Glu Tyr Met Cys Ala Cys Leu Ala Asp Ile Cys Ile
                 85                  90                  95

Lys Tyr Lys His Ser Val Val Ile Xaa Ala Ile Cys Glu Ile Val Asn
            100                 105                 110

Phe Lys Ile Thr Ser Gly His Arg Leu Val Val Ile Ile
        115                 120                 125
```

<210> 5444
<211> 287
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5444

```
Gly Ala Met Ala Pro Lys Pro Gly Ala Glu Trp Ser Thr Ala Leu Ser
  1               5                  10                  15

His Leu Val Leu Gly Val Val Ser Leu His Ala Ala Val Ser Thr Ala
             20                  25                  30

Glu Ala Ser Arg Gly Ala Ala Ala Gly Phe Leu Leu Gln Val Leu Ala
         35                  40                  45

Ala Thr Thr Thr Leu Ala Pro Gly Leu Ser Thr His Glu Asp Cys Leu
     50                  55                  60

Ala Gly Ala Trp Val Ala Thr Val Ile Gly Leu Pro Leu Leu Ala Phe
 65                  70                  75                  80

Asp Phe His Trp Val Asn Gly Asp Arg Ser Ser Ala Asn Leu Leu Leu
                 85                  90                  95

Gly Gly Gly Met Val Leu Ala Val Ala Gly Gly His Leu Gly Pro Glu
            100                 105                 110

Ala Xaa Cys Gly Trp Ser Gly Asn Ala Val Gly Gly Arg Ser Asp His
        115                 120                 125

Pro His Cys Ser Cys Leu His Gly Gln His Leu Trp Asp Val Gly Gly
    130                 135                 140

Gly Asp Ala Gly Cys Gly Arg Pro Pro Glu Pro Ala Gly Gly Gly Gln
145                 150                 155                 160

Ala Ala Ala Ala Thr Glu Gly Gly Cys Leu Ser Leu Gly Leu Gly Cys
                165                 170                 175

Arg Gln Leu Gly Leu Leu Pro Gly Pro Ala Tyr Thr Ala Pro Pro Val
            180                 185                 190

Gly Val Thr Val Gly Tyr Ser Gln Ala Gly Phe Leu Pro Cys Arg Thr
        195                 200                 205

Leu Ser Leu Pro Pro Ala Cys Ser Trp Arg Leu Leu Pro Arg Gly Arg
    210                 215                 220

Leu Phe Cys Leu Leu Lys Trp Val Cys Cys Thr Leu Thr Gly Gln Gly
225                 230                 235                 240

Gln Ser Leu Gly Ala Val Leu Trp Pro Arg Val Gly Thr Cys Leu Asp
                245                 250                 255
```

```
Gln Asn Glu Arg Asp Arg Val Pro Asp Thr Phe Gly Gly Pro Asp Ser
            260                 265                 270

Gly Leu Asp Thr Val Val Asp Pro Glu Lys Arg Pro Ser Leu Gln
        275                 280                 285
```

<210> 5445
<211> 57
<212> PRT
<213> Homo sapiens

<400> 5445

```
Ser His Ala Cys Pro Leu Thr Phe Thr Arg Asn Ser Glu Lys Gln Ser
  1               5                  10                  15

Thr Tyr Phe Ala Thr Gln Trp Ser Ser Ser Leu Asn Thr Phe Ile Gln
             20                  25                  30

Arg Ser Thr Asn Tyr Asp Pro Pro Val Lys Ser Tyr Leu Ala Leu Val
         35                  40                  45

Phe Val Asn Lys Val Leu Leu Glu His
     50                  55
```

<210> 5446
<211> 100
<212> PRT
<213> Homo sapiens

<400> 5446

```
Trp Cys Ser Arg Ala Val Pro Pro Pro Ser Leu Leu Pro Ala Ser Thr
  1               5                  10                  15

Ser Pro Pro Arg Ser Val Pro Pro Pro Ser Phe Ser Leu Ser Leu Lys
             20                  25                  30

Ser Val Ser Phe Gly Ser Pro Arg Ala Ser Leu Pro Arg Pro Ser Trp
         35                  40                  45

Met Arg Pro Pro Ser Pro Lys Pro Ala Cys Phe Ala Val Ser Pro Gly
     50                  55                  60

Ser Trp Lys Leu Ala Gly Ala Arg Gly Trp Arg Gly His Gly Gly Val
 65                  70                  75                  80

Gly Glu Gly Ser Leu Pro Phe Leu Val Arg Ser Ile Ile Val Asn Gly
                 85                  90                  95
```

BNSDOCID: <WO 0122920A2 I >

Cys Thr Leu Phe
100

<210> 5447
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5447
Arg Ser Trp Gly Ser Xaa Trp Lys Gln Glu Asp Pro Ile Gln Gln Arg
1 5 10 15

Pro Leu Arg Leu Val Leu His Phe Leu Arg Glu Leu Ser Val Gly Ser
20 25 30

His His Pro Ala His Trp Leu Pro Pro Lys Pro Pro Pro Leu Thr Ser
35 40 45

Ala Asn Leu Leu Phe Gly Asp Pro Leu Ser Asp Pro Leu Cys Leu Pro
50 55 60

Ser Trp Ser Ser Ser Trp Arg Ile Ser Gly Gln Arg Gly Gly Gln Arg
65 70 75 80

Ser Phe Pro Ile Pro Pro Gln Arg Tyr Phe Leu Leu Gly Pro His Thr
85 90 95

Leu Thr Pro Ser Ser Glu Met Asn Thr Phe Leu Leu Leu Leu Leu Arg
100 105 110

Gln Ser Glu Thr Pro Ser
115

<210> 5448
<211> 55
<212> PRT
<213> Homo sapiens

<400> 5448
Leu Leu Val Ser Asp Leu Thr Leu Leu Ser Lys Tyr Ser Ile Ile Ala
1 5 10 15

BNSDOCID: <WO__0122920A2_I_>

```
Arg Phe Thr Glu Phe Arg Ser Leu Lys Val Tyr Ile Leu Phe Pro Tyr
            20                  25                  30

Val Asp Lys Leu Val Ser Leu Leu Leu Glu Tyr His Lys Val Phe Val
        35                  40                  45

Lys Ile Thr Gln Val Ile Lys
    50                  55
```

<210> 5449
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5449

```
His Ala Phe Phe Leu Lys Leu Phe Arg Val Val Glu Ile Ala Ala Cys
 1               5                  10                  15

His Ser Xaa His Thr Ser Ala Ala Lys Thr Gln Gly Gly His Val Tyr
            20                  25                  30

Met Trp Gly Gln Cys Arg Gly Gln Ser Val Ile Leu Pro His Leu Thr
        35                  40                  45

His Phe Ser Cys Thr Asp Asp Val Phe Ala Cys Phe Ala Thr Pro Ala
    50                  55                  60

Val Ser Trp Arg Leu Leu Ser Val Gly Lys Lys Val Gln Gly His Phe
65                  70                  75                  80

Thr Gln Gly Gly Met Val Leu Pro Thr Asp Gln Phe Ser Cys Val Phe
                85                  90                  95

Ala Gly
```

<210> 5450
<211> 186
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5450
Gly Gly Xaa Asp Gln Gly Gln Glu Pro Gly Pro Leu Glu Glu Gln Gln
1 5 10 15

Arg Leu Ala His Leu Glu Asp Lys Leu Arg Leu Leu Ala Gln Ala Arg
20 25 30

Asp Glu Ala Gln Gly Ala Cys Leu Gln Gln Lys Gln Val Val Ala Glu
35 40 45

Ala Gln Thr Arg Val Ser Gln Leu Gly Leu Gln Val Glu Gly Leu Arg
50 55 60

Arg Arg Leu Glu Glu Leu Gln Gln Glu Leu Ser Leu Lys Asp Gln Glu
65 70 75 80

Arg Val Ala Glu Val Ser Arg Val Arg Val Glu Leu Gln Glu Gln Asn
85 90 95

Gly Arg Leu Gln Ala Glu Leu Ala Ala Gln Glu Ala Leu Arg Glu Lys
100 105 110

Ala Ala Ala Leu Glu Arg Gln Leu Lys Val Met Ala Ser Asp His Arg
115 120 125

Glu Ala Leu Leu Asp Arg Glu Ser Glu Asn Ala Ser Leu Arg Glu Lys
130 135 140

Leu Arg Leu Arg Glu Ala Glu Ile Ala Arg Ile Arg Asp Glu Glu Ala
145 150 155 160

Gln Arg Ala Ser Phe Leu Gln Asn Ala Val Leu Ala Tyr Val Gln Ala
165 170 175

Ser Pro Val Arg Thr Leu Ser Pro Pro Lys
180 185

<210> 5451
<211> 40
<212> PRT
<213> Homo sapiens

<400> 5451
Pro Met Ala Asn Pro Ile Leu Lys Leu Val Asn Ser Asp Gln Ser Tyr

```
  1               5                  10                  15

Phe Thr Tyr Pro Thr Gln Ser Gly Pro Lys Gln Ile Ala Gly Ser Ala
             20                  25                  30

Ser Lys Pro Thr Phe Leu Pro Lys
         35                  40
```

<210> 5452
<211> 69
<212> PRT
<213> Homo sapiens

<400> 5452

```
Leu Ser Arg Lys Leu Leu Leu Leu Arg Phe Lys Asn Glu Asn Arg Cys
  1               5                  10                  15

Glu Phe Ser Lys Ile Leu Lys Asn Asn Ser Val Lys Asn Ser Gly Ala
             20                  25                  30

Val Lys Glu Ser Trp Met Glu Leu Glu Val Thr Ile Leu Ser Asp Ile
         35                  40                  45

Ser Gln Lys Gln Thr Asn Ile Ala Cys Ser Gln Leu Phe Ala Gly Ser
     50                  55                  60

Lys Ser Gln Asn Asn
 65
```

<210> 5453
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5453

```
Leu Glu Arg Gly Trp Cys Glu Ser Cys Leu Thr Thr Ala Pro Ser Pro
 1               5                  10                  15

Pro Cys Ala Ala Glu Gly Thr Pro Ala Ala His Arg Phe Gln Glu Ala
            20                  25                  30

Leu Ser Asp Phe Trp Leu Ala Leu Glu Gln Leu Arg Gly His Ala Ala
        35                  40                  45

Ile Asp Tyr Thr Gln Leu Gly Leu Arg Phe Lys Leu Gln Pro Gly Arg
    50                  55                  60

Cys Tyr Thr Met Trp Arg Arg His Ser Ala Ser Trp Gly Ser Gly Gln
65                  70                  75                  80

Arg Arg Gln Gln Pro Lys Gly Gly His Val Gln Val Ala Gly Gly Ser
                85                  90                  95

Leu Asn Gly Leu Asp Ser Ala Leu Asp Gln Val Gln Arg Arg Gly Ser
            100                 105                 110

Leu Pro Xaa Gly Xaa Ser Pro Gly Arg Xaa Xaa Pro Ala Pro Xaa Trp
        115                 120                 125

Thr
```

<210> 5454
<211> 84
<212> PRT
<213> Homo sapiens

<400> 5454

```
Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Ser Gly Asp Lys Leu
 1               5                  10                  15
```

Lys Leu Asp Gln Thr His Leu Glu Thr Val Ile Pro Ala Pro Gly Lys
20 25 30

Arg Ile Leu Val Leu Asn Gly Gly Tyr Arg Gly Asn Glu Gly Thr Leu
35 40 45

Glu Ser Ile Asn Glu Lys Thr Phe Ser Ala Thr Ile Val Ile Glu Thr
50 55 60

Gly Pro Leu Lys Gly Arg Arg Val Glu Gly Ile Gln Tyr Glu Asp Ile
65 70 75 80

Ser Lys Leu Ala

<210> 5455
<211> 58
<212> PRT
<213> Homo sapiens

<400> 5455
Ile Phe Leu Leu Phe Ser Thr Phe Pro Gln Ile His Val Ser Glu Val
1 5 10 15

Leu Ser Phe Gly His His Tyr Leu Ser Thr Leu Arg Asn Met Pro Ile
20 25 30

Asp Glu Val Asn Ile Leu Gly Ile Gln Arg Ile Tyr Gly Asn Val Asp
35 40 45

Lys Asp Ile Tyr Gln Asp Lys Ala Leu Glu
50 55

<210> 5456
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5456
Glu Thr Thr Lys Gln Thr Gln Lys Lys Glu His Asn Asn Arg Asp Lys
1 5 10 15

Ile Lys Phe Arg Gln Gln Xaa Thr Glu Xaa Ile Leu Lys Thr Arg Ile
20 25 30

Cys Ser Leu Arg Ile Phe Phe Ile Ile Lys Met Ile Phe Gly
35 40 45

<210> 5457
<211> 64
<212> PRT
<213> Homo sapiens

<400> 5457
Asn Pro Phe Ala Ser Gly Gln Phe Gln Thr Arg Ile Leu Ala Cys Pro
1 5 10 15

Ala Ser His Gly Met Pro Leu Pro Tyr Cys Gln Cys Asp Leu Ser Glu
20 25 30

Thr Ala Tyr Leu Ile Leu Ser Phe Pro Gly Ala Ala Ser His Leu Pro
35 40 45

Gln Asp Leu Asn Phe Lys Leu Tyr Ser Ser Pro His Ser Pro Gln Gln
50 55 60

<210> 5458
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _0122920A2 I >

<400> 5458
Val Leu Val Ser Leu Pro Val Pro Thr Gln Ile Ala Ser Gln Asn Phe
1 5 10 15

Asp Pro Ala Thr Val Ser Val Ala Thr Xaa His Lys Gly Ala Glu Pro
20 25 30

Ser Arg Gly Thr Ala Trp Gly Pro Val Ala Lys Arg Leu Gln Gln Glu
35 40 45

Leu Met Thr Leu Met Met Xaa Gly Asp Lys Arg Ile Ser Ala Thr Leu
50 55 60

Lys Ala Leu Ser Asn Gly His His Ser
65 70

<210> 5459
<211> 93
<212> PRT
<213> Homo sapiens

<400> 5459
Pro Lys Val Leu Gly Leu Gln Ala Glu Pro Pro Arg Pro Ala Leu Leu
1 5 10 15

Leu Leu Leu Arg Phe Glu Asn Arg Cys Leu Asn Ala Pro Asp Ser Ala
20 25 30

Leu Leu Thr Gln Arg Phe Pro His Leu Ile Tyr Ser Val Pro Ala Gln
35 40 45

Ser Pro Phe Ser Leu Met Pro Arg Ala Gly Phe Ser Leu Pro Ala Pro
50 55 60

Arg Phe Trp Ser Pro Pro Ser Val Leu Gly Pro Ser Cys Pro Leu Ser
65 70 75 80

Gly Phe Arg Pro Ser Gln His Ser Leu Ala Ser Leu Pro
85 90

<210> 5460
<211> 50
<212> PRT
<213> Homo sapiens

<400> 5460
Gly Arg Pro Phe Gly Asn Leu Cys Leu Asn Ser Asn Arg Arg Glu Asn

BNSDOCID: <WO _ 0122920A2_I_>

1 5 10 15

Val Gln Ala Met Gly Leu Leu Pro Ile Ser Leu Cys Phe Ala Ile Pro
20 25 30

Trp Asp Lys Gly Thr Thr Ser Gly Ser Gln Ser Pro Asn Gln Tyr His
35 40 45

Arg Val
50

<210> 5461
<211> 67
<212> PRT
<213> Homo sapiens

<400> 5461
Glu Pro Ser Ser Val His Lys Lys Pro Ile Glu Ser Arg Ser His Phe
1 5 10 15

Ile Arg Trp Gln Val Ser Trp Ala Ser Leu Leu Ala Ser Pro Lys Arg
20 25 30

Trp Cys Cys Gln Asp Val Leu Glu Val Ile Met Gly His Thr Glu Ala
35 40 45

Leu Ser Leu His Arg Leu Lys Cys His Gln Asn Trp Pro Leu Pro Asn
50 55 60

Ile Pro His
65

<210> 5462
<211> 62
<212> PRT
<213> Homo sapiens

<400> 5462
Glu Arg Glu Ile Leu Met Ala Pro Met Ala Ala Arg Ile Thr Ser Leu
1 5 10 15

Lys Phe Arg Ala Cys Val Asn Arg Phe Cys Phe Leu Val Ser Glu Arg
20 25 30

Phe Ser Tyr Ser Thr Val Leu Ile Cys Phe Ser Lys Pro Ser Asp Leu
35 40 45

BNSDOCID: <WO 0122920A2 I >>

Cys Ile Phe Asn Arg Pro Gln Asn Asn Val Lys Tyr Met Ala
50 55 60

<210> 5463
<211> 60
<212> PRT
<213> Homo sapiens

<400> 5463
Lys Tyr Gln Ile Ile Leu Trp Asn Val Lys Ala Phe Leu Leu Lys Pro
1 5 10 15

Ser Ile Cys Phe Ile Val Ile Ser Val Ala Asn Met Asp Phe Ile Phe
20 25 30

Lys Met Met Phe Tyr Ile Ile Phe Pro Tyr Lys Leu Phe Glu Lys Gln
35 40 45

Phe Asn Asn Ser Met Ile Val Val Ala Pro Leu Asn
50 55 60

<210> 5464
<211> 44
<212> PRT
<213> Homo sapiens

<400> 5464
Trp Gln Ser Asn Phe Phe Cys Leu Phe Pro Arg Glu Ser Trp Glu Tyr
1 5 10 15

Pro Glu Leu Gly Ala Leu Met Ile Leu Phe Gln Leu Trp Cys Leu Lys
20 25 30

Lys Asn Tyr Lys Ser Ile Leu Asn Gly Leu Ser Ser
35 40

<210> 5465
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5465
Glu Cys Lys Leu Val Gln Pro Ser Trp Lys Thr Gly Trp Gln Phe Leu
1 5 10 15

BNSDOCID: <WO__0122920A2 I >

Lys Asp Leu Cys
20

<210> 5466
<211> 58
<212> PRT
<213> Homo sapiens

<400> 5466
Gln Lys Ile Glu Leu Ser Phe Arg Val Ser Lys Lys Val Leu Tyr Ser
1 5 10 15

Cys Cys Thr Pro Gly Ser Trp Gln Gly Gly Asp Phe Cys Pro Arg Glu
20 25 30

Cys Ser Phe Leu Cys Ile Ile Ala Lys Gln Phe Cys Ser Cys Ile Leu
35 40 45

Lys His His Trp Met Asn Phe Phe Pro Leu
50 55

<210> 5467
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO 0122920A2 I_>

<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5467
Leu Leu Ile Glu Thr Cys Xaa Val Glu Lys Leu Phe Leu Ser Leu Leu
1 5 10 15

Ala Ile Gln Val Ser Ser Phe Met Lys Trp Leu Phe Met Ser Phe Ala
20 25 30

His Phe Tyr Ile Xaa Leu Phe Phe Phe Phe Pro Ala Xaa Leu Xaa Glu
35 40 45

Leu Tyr Ile Leu Ser Ile Leu Ile Ile Tyr Arg Lys Leu Phe Gly Cys
50 55 60

His Tyr Leu Leu Leu Val Asn Val Phe Cys Leu Trp Ile Ser Phe Ile
65 70 75 80

Ile Tyr Xaa

<210> 5468
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5468
Gln Ala Leu Thr Leu Cys Lys Lys Gly Gly Arg Gly His Ser Trp Ala
1 5 10 15

Gly Gly Val Gly Xaa Gln Asp Gly Cys Pro Ser Leu Pro Ile Phe Ser
20 25 30

Trp Leu Trp Asp Gln Arg Leu Val Leu Gly Ile Trp Thr Trp Arg Pro
35 40 45

Arg Ala Ile Gly Glu Gly Leu Lys Pro Val Leu Ser Ala Ala Cys Cys
50 55 60

Glu Trp Pro Ser Arg Val Met Thr Glu Leu Phe Trp Gly Arg Arg
65 70 75

<210> 5469
<211> 245
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (171)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (173)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (177)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5469
Ala Arg Gly Ala Gly Ala Ala Gly Ser Arg Cys Val Ser Gly Glu Gly
1 5 10 15

Ala Pro Arg Leu Gly Arg Arg Arg Arg Gln Arg Leu Glu Glu Arg Glu
20 25 30

Arg Arg Phe Pro Cys Pro Gly Pro Arg Glu Gly Arg Pro Thr Ala Ala
35 40 45

Met Glu Gln Leu Ser Asp Glu Glu Ile Asp His Gly Ala Glu Glu Asp
50 55 60

Ser Asp Lys Glu Asp Gln Asp Leu Asp Lys Met Phe Gly Ala Trp Leu

BNSDOCID: <WO___0122920A2_I >

65 70 75 80

Gly Glu Leu Asp Lys Leu Thr Gln Ser Leu Asp Ser Asp Lys Pro Met
85 90 95

Glu Pro Val Lys Arg Ser Pro Leu Arg Gln Glu Thr Asn Met Ala Asn
100 105 110

Phe Ser Tyr Arg Phe Xaa Ile Tyr Asn Leu Asn Glu Ala Leu Asn Gln
115 120 125

Gly Glu Thr Val Asp Leu Asp Ala Leu Met Ala Asp Leu Cys Ser Ile
130 135 140

Glu Gln Glu Leu Ser Ser Ile Gly Ser Gly Asn Ser Lys Arg Gln Ile
145 150 155 160

Thr Glu Thr Lys Ala Thr Gln Lys Leu Xaa Xaa Xaa Xaa His Thr Leu
165 170 175

Xaa His Gly Thr Leu Lys Gly Leu Ser Ser Ser Ser Asn Arg Ile Ala
180 185 190

Lys Pro Ser His Ala Ser Tyr Ser Leu Asp Asp Val Thr Ala Gln Leu
195 200 205

Glu Gln Ala Ser Leu Ser Met Asp Glu Ala Ala Gln Gln Ser Val Leu
210 215 220

Glu Asp Thr Lys Pro Leu Val Thr Asn Gln His Arg Arg Thr Ala Val
225 230 235 240

Ser Arg His Ser Glu
245

<210> 5470
<211> 29
<212> PRT
<213> Homo sapiens

<400> 5470
Ala Phe Val Asp Cys Glu His Pro Ser Tyr Ile Gly Leu Tyr Arg Met
1 5 10 15

Ala Leu Ser Lys Asn Tyr Ser Cys Ile Thr Val Val Phe
20 25

BNSDOCID: <WO 0122920A2 I >>

<210> 5471
<211> 81
<212> PRT
<213> Homo sapiens

<400> 5471
Ala Phe Pro Leu Pro Ser Pro Gly Leu Thr Pro His Pro Ile Pro Gln
1 5 10 15

Lys Val Arg Arg Ala Gly Cys Val Asp Gly Ile Pro Glu Asn Glu Pro
20 25 30

Val Glu Ser Ile Trp Pro Trp His Val Asn Ser Ser Leu Phe Pro Ala
35 40 45

Val Ile Thr Thr Leu Phe Phe Pro Gln Gly Leu Asn Cys Thr Val Lys
50 55 60

Asn Ser Lys Ser Ser Phe Ser Val Leu Leu Leu Val Ala Phe Leu Ile
65 70 75 80

Lys

<210> 5472
<211> 53
<212> PRT
<213> Homo sapiens

<400> 5472
Ser Cys Ser Phe Gly Val Cys Glu Gln Thr Gln Asp Ile Ile Ile Lys
1 5 10 15

His His Pro Ser Ile Lys Gly Leu Phe Tyr Asn Met Cys Cys Glu Ile
20 25 30

Asn Leu Ser Gly Lys Val Trp Cys Asn Glu Leu Phe His Ser Met Val
35 40 45

Ile Asp Ala Val Lys
50

<210> 5473
<211> 105
<212> PRT
<213> Homo sapiens

<400> 5473
Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser
1 5 10 15

Val Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Cys Phe Phe Phe
20 25 30

Phe Phe Phe Val Val His Asn His Leu Phe Tyr Leu Lys Thr Cys Leu
35 40 45

His Cys Ile Glu His Gln His Arg Cys Asp Gln Glu Thr His Ser Pro
50 55 60

Val Pro Ala Ala Leu Gly Pro Val Tyr Asp Leu Gly Trp Thr Val Ile
65 70 75 80

Phe His Ser Glu Gly Gly Lys Asp Arg Lys Glu Lys Met Ala Ile Ile
85 90 95

Pro Thr Pro Val Gln Glu Ser Glu Gln
100 105

<210> 5474
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5474
Gly Phe Ile Ile His Cys Gln Met Leu Val Pro Ile Lys Gln Cys Cys

1 5 10 15

Leu Pro Thr Pro Thr Phe Cys Val Xaa Gly Lys Phe Trp Lys Ser Arg
20 25 30

Gly Xaa His Ala Lys Arg Leu Ser Thr Gly Leu Phe Leu Val Ser Ala
35 40 45

Leu Xaa Xaa Leu Cys Glu Glu Val Ala Ile Tyr Gly Phe Trp Pro Phe
50 55 60

Ser Val Asn Met His Glu Gln Pro Ile Ser His His Tyr Tyr Asp Asn
65 70 75 80

Val Leu Pro Phe Ser Gly Phe His Ala Met Pro Glu Glu Phe Leu Gln
85 90 95

Leu Trp Tyr Leu His Lys Ile Gly Ala Leu Arg Met Gln Leu Asp Pro
100 105 110

Cys Glu Asp Thr Ser Leu Gln Pro Thr Ser
115 120

<210> 5475
<211> 237
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (237)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5475
Tyr Gln Ser Ile Ala Leu Tyr Phe Glu Gly Glu Lys Arg Tyr Leu Gln
1 5 10 15

Ala Gly Lys Phe Phe Leu Leu Cys Gly Gln Tyr Ser Arg Ala Leu Lys
20 25 30

His Phe Leu Lys Cys Pro Ser Ser Glu Asp Asn Val Ala Ile Glu Met
35 40 45

Ala Ile Glu Thr Val Gly Gln Ala Lys Asp Glu Leu Leu Thr Asn Gln

```
     50                  55                  60

Leu Ile Asp His Leu Leu Gly Glu Asn Asp Gly Met Pro Lys Asp Ala
 65                  70                  75                  80

Lys Tyr Leu Phe Arg Leu Tyr Met Ala Leu Lys Gln Tyr Arg Glu Ala
                 85                  90                  95

Ala Gln Thr Ala Ile Ile Ile Ala Arg Glu Glu Gln Xaa Ala Gly Asn
            100                 105                 110

Tyr Arg Asn Ala His Asp Val Leu Phe Ser Met Tyr Ala Glu Leu Lys
        115                 120                 125

Ser Gln Lys Ile Lys Ile Pro Ser Glu Met Ala Thr Asn Leu Met Ile
    130                 135                 140

Leu His Ser Tyr Ile Leu Val Lys Ile His Val Lys Asn Gly Asp His
145                 150                 155                 160

Met Lys Gly Ala Arg Met Leu Ile Arg Val Ala Asn Asn Ile Ser Lys
                165                 170                 175

Phe Pro Ser His Ile Val Pro Ile Leu Thr Ser Thr Val Ile Glu Cys
            180                 185                 190

His Arg Ala Gly Leu Lys Asn Ser Ala Phe Ser Phe Ala Ala Met Leu
        195                 200                 205

Met Arg Pro Glu Tyr Arg Ser Lys Ile Asp Ala Lys Tyr Lys Lys Lys
    210                 215                 220

Ile Glu Gly Met Val Gln Glu Thr Arg Tyr Ile Leu Xaa
225                 230                 235
```

<210> 5476
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

```
<400> 5476
Gly Gly Ala Gly Ala Arg Gly Gly Gly Ala Leu Trp Val Thr Glu Gly
  1               5                  10                  15
```

```
Val Lys Xaa Pro Gly Pro Val Ser Gly Gln Cys Arg Lys Ser Gln Pro
            20                  25                  30

His Ala Cys Gly Glu Ile Pro Cys Arg Ala Pro Pro Thr Met Asp Thr
        35                  40                  45

Ser Gly Pro Leu Arg Ser Ser Lys Ala Val Ser Ser Phe Pro Leu Gln
    50                  55                  60

Gln Arg Gly Val Pro Ser Ser Val Lys Gln Pro Phe Leu Phe Leu Glu
65                  70                  75                  80

Ser Tyr Lys Trp Arg Pro Lys Ser Val Pro Met Leu Arg Gln Gly Pro
                85                  90                  95

Gly Cys Ser Phe Leu Ser Gly Asn Arg Leu Glu Leu Phe Leu Trp Asp
            100                 105                 110

Met Pro Pro Arg Pro Ala Leu Lys Gly Cys Ser Ser Leu Thr Thr Trp
        115                 120                 125

Asn Gln Thr Pro Pro Ser Phe Val Tyr Lys Gly Asn Lys Glu
    130                 135                 140
```

<210> 5477
<211> 41
<212> PRT
<213> Homo sapiens

<400> 5477

```
Gly Arg Lys Leu Pro Glu Glu Glu Gly Gly Lys Glu Ile Lys Asn Thr
  1               5                  10                  15

Leu Lys Val Cys Gln Lys Lys Glu Leu Tyr Phe Leu Lys His Ser Arg
            20                  25                  30

Lys Met Met Ser Phe Gln Leu Leu Ile
        35                  40
```

<210> 5478
<211> 64
<212> PRT
<213> Homo sapiens

<400> 5478

```
Lys Ser Ile Val Val Leu Val Leu Leu Ser Trp Ile Ile Val Gln Lys
  1               5                  10                  15
```

BNSDOCID: <WO_ 0122920A2 I_>

Glu Val Gln Pro Pro Asp Asn His Ile Phe Thr Val Met Asn Gly Lys
20 25 30

Thr Lys Cys Arg Ala Gln Leu Thr Gln Arg Lys Lys Gly Ser Lys Asp
35 40 45

Lys Leu Trp His Asn Leu Ala Ala Lys Phe Leu Pro Ser Thr Asp Phe
50 55 60

<210> 5479
<211> 48
<212> PRT
<213> Homo sapiens

<400> 5479
Cys Ile Ile Leu Arg Gly Phe Phe Arg Ala Val Leu Thr Glu Leu Ser
1 5 10 15

Ile Asn Leu His Ser Ser Gly Arg Leu Leu Lys Leu Ala Gly His Asn
20 25 30

Glu Ile Gly Lys Ser Arg Val Leu Lys Ser Ile Ala Trp Pro Ser Ala
35 40 45

<210> 5480
<211> 68
<212> PRT
<213> Homo sapiens

<400> 5480
Lys Leu Leu Cys Pro His Leu Arg Glu Glu Gly Ser Ser Asn Asn Thr
1 5 10 15

Thr Met Cys Lys Ala Gly Ser Glu Ile Leu Leu Ser Pro Leu Pro Ser
20 25 30

Cys Asn Pro Ser Leu Pro His Leu Ser Cys Met Cys Ile Thr Met Leu
35 40 45

Phe Cys Phe Leu Met Lys Met Arg Leu Cys Ile Leu Phe Asp Asn Leu

50 55 60

Phe Gln Ile Lys
65

<210> 5481
<211> 101
<212> PRT
<213> Homo sapiens

<400> 5481
Pro Leu Ser Thr Pro His Pro Leu Arg Arg Gly Pro Arg Ser Tyr Pro
1 5 10 15

Thr Val His Leu Pro Arg Gly Cys Ser Glu Leu Ala Met Ala Ala Thr
20 25 30

Ala Ala Thr Ala Ala Asp Pro Arg Ser Gly Ser Leu Arg Arg Gly Val
35 40 45

Ala Ala Leu Pro Arg Pro Pro Arg Gln Pro Glu Gln Leu Gln Ser Thr
50 55 60

Gly Leu Gly Ser Glu Thr Phe Lys Val Lys Gln Ala Glu Trp Gly Asp
65 70 75 80

Arg Thr Ile Ser Pro Pro Pro Gly Ala Pro Gly Leu Ser Leu Gly Gly
85 90 95

Pro Pro Leu Ala Pro
100

<210> 5482
<211> 87
<212> PRT
<213> Homo sapiens

<400> 5482
Arg Ile His Glu Lys Tyr Glu Ile Trp Phe His Pro Val Arg His Phe
1 5 10 15

Asn Arg Glu Asp Gln Asn Val Thr Trp Gln Leu Gly Asn Asn Leu Thr
20 25 30

Ser Leu Ala Val Gly Leu Asn Phe Leu Ile Ile Asp Pro Gly Ile Phe
35 40 45

```
Gln Pro Glu Thr Gln Leu Ser Gly Arg Gln Thr Asn Cys Thr Thr Pro
     50                  55                  60

Thr Ile Ser Trp Thr Leu Lys Phe Cys Leu Leu Gln Ser Ile Val Ser
 65                  70                  75                  80

Phe Lys Ala Pro Val Leu Ala
                 85
```

<210> 5483
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5483

```
Thr Pro Ile Met Xaa Asp Glu Phe Val Met Arg Asp Asn Leu Glu Val
  1               5                  10                  15

Val Phe Thr His Tyr Ala Thr Ile Lys Gly Ser Thr Val Glu Arg Ile
             20                  25                  30

Leu Thr His Ser Val Thr Asn Gly Thr His Arg Gln His Glu Phe Ala
         35                  40                  45

Pro Tyr Met Thr Glu Val Ile Gln Gly Phe Leu
     50                  55
```

<210> 5484
<211> 240
<212> PRT
<213> Homo sapiens

<400> 5484

```
Val Thr Thr Lys Phe Val Arg Thr Ser Thr Asn Lys Val Lys Cys Pro
  1               5                  10                  15

Val Phe Val Val Arg His Ser Met Glu Asn Leu Phe Glu Lys Asn Lys
             20                  25                  30

Ile Arg Ala Ser Ile Ser Tyr Lys Trp Thr Pro Glu Gly Arg Arg Leu
         35                  40                  45
```

```
Val Thr Gly Ala Ser Ser Gly Glu Phe Thr Leu Trp Asn Gly Leu Thr
     50                  55                  60

Phe Asn Phe Glu Thr Ile Leu Gln Ala His Asp Ser Pro Val Arg Ala
 65                  70                  75                  80

Met Thr Trp Ser His Asn Asp Met Trp Met Leu Thr Ala Asp His Gly
                85                  90                  95

Gly Tyr Val Lys Tyr Trp Gln Ser Asn Met Asn Asn Val Lys Met Phe
            100                 105                 110

Gln Ala His Lys Glu Ala Ile Arg Glu Ala Arg Phe Ile His Asn Ile
        115                 120                 125

Pro Phe Ser Val Val Pro Ile Val Met Val Lys Leu Phe Ser Lys Cys
    130                 135                 140

Ile Leu Gly Ala Glu Met His Gly Leu Cys Gln Phe Leu Gly Asn Phe
145                 150                 155                 160

Leu His Pro Ile Asn Thr Ile Phe Phe Phe Val Phe Thr His Ser Pro
                165                 170                 175

Phe Cys Trp His Leu Ser Glu Val Val Leu Ser Arg Tyr Gln Pro Leu
            180                 185                 190

Gln Tyr Val Arg Asp Val Leu Ser Ala Ala Phe Cys Thr Gly Phe Leu
        195                 200                 205

Phe Ser Phe Met Ile Asn Asn Val Tyr Thr Leu Phe Leu Phe Ile Ile
    210                 215                 220

Tyr Cys Val Arg Gln Glu Tyr Phe Ile Pro Asn Lys Glu Phe Ser Leu
225                 230                 235                 240
```

<210> 5485
<211> 47
<212> PRT
<213> Homo sapiens

<400> 5485

```
Asn Glu Ala Phe Ile Tyr Val Phe Arg Cys His Cys Ser Leu Ser Glu
  1               5                  10                  15

Leu Ala Val His Ile Ser Leu Pro Leu Val Leu Ser Thr Asp Phe Phe
```

BNSDOCID: <WO___0122920A2_I_>

20 25 30

Leu Lys Lys Arg Gly Thr Val Tyr His Ser Ser Thr Val Leu Leu
35 40 45

<210> 5486
<211> 72
<212> PRT
<213> Homo sapiens

<400> 5486
Tyr Glu Ala Lys Thr Lys Ser Trp Lys Ser Glu Gln Val Gln Trp Phe
1 5 10 15

Gly Arg Gly Asn Glu Glu Gln Arg Arg Cys Gln Pro Leu Leu Gln Thr
20 25 30

Leu Trp Tyr His Trp Phe Gly Arg Lys Asn Asn His His Leu Arg Gly
35 40 45

Pro Val Gly Lys Pro Cys Pro His Gly Lys Ala Ile Phe Phe Arg Leu
50 55 60

His Phe Ser Trp Tyr Tyr Val Tyr
65 70

<210> 5487
<211> 75
<212> PRT
<213> Homo sapiens

<400> 5487
Leu Thr Cys Tyr Val Thr Val Ile Tyr Leu Ser Ile Ser Asn Pro Lys
1 5 10 15

Ala Cys Gln Lys Ala Phe Phe Arg Glu Asn His Phe Thr Phe Val Val
20 25 30

Lys Leu Leu Ile Ala Thr Leu Lys Asn Ile His Val Cys Ile His Arg
35 40 45

Asn Ile Phe Ser Gln Tyr Leu Tyr Asp Ser Leu Thr Val Ile Val Leu
50 55 60

Ser Glu Leu Leu Cys Ala Ser Asp Lys Asn Lys
65 70 75

<210> 5488
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5488

Gly	Pro	Arg	Arg	Thr	Leu	Ala	Ala	Leu	Pro	Leu	Ser	Arg	Val	Ser	Ala
1				5					10						15
Gly	Ser	Gly	Ser	Ala	Ser	Pro	Gly	Gln	Leu	Arg	Glu	Ser	Leu	Ala	Arg
			20					25					30		
Ile	Pro	Ala	Ser	Thr	Leu	Phe	Leu	Ala	Ala	Lys	Val	Thr	Val	Pro	Phe
		35					40					45			
Ala	Pro	Ala	Leu	Ser	Asp	Pro	Pro	Arg	Ile	Pro	Arg	His	Arg	Glu	Thr
	50					55					60				
Arg	Lys	Gly	Xaa	Gly	Ser	Gly	Gly	Gly	Pro	Gly	Arg	Ile	Ala	Leu	Gln
65				70					75						80
Ala	Ala	Leu	Arg	Gly	Pro	Ala	Pro	Ala	Thr	Ala	Leu	Thr	Ser	Glu	Arg
			85					90					95		
Arg	Asn	Trp	Gly	Glu	Xaa	Phe	Lys	Ser	Leu	Arg	Xaa	Arg	Cys		
		100					105					110			

<210> 5489
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5489
Ser Gly Arg Gly Ser Pro Gln Trp Thr Arg Leu Pro His Pro Ala Glu
1 5 10 15

Val Gly Gly Gly His Glu Glu Met Gly Cys Arg Leu Leu Ser Glu Leu
20 25 30

Pro Ser Thr Asn Gly Val Gly Val Xaa Asp Leu Pro Arg His Xaa Phe
35 40 45

Phe Thr Phe Gly Lys Met Glu Gly Asp Gly Gly Gly Ile Pro Cys Ser
50 55 60

Leu Cys Cys Ala Asp Thr Leu Glu Lys Xaa Leu Pro Ser Val Glu Gln
65 70 75 80

Asn Pro Leu Trp Arg Asn Ala Ala Val Leu Asp Leu Glu Ala Glu Gly
85 90 95

Val Ser Ile Leu Gly Ile Cys Leu Pro Leu Pro Ile Trp Met Pro His
100 105 110

Leu Ala Val Ser Leu Met Val Ile Leu Phe
115 120

<210> 5490
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5490
Arg Leu Phe Ser Leu Xaa Gly Glu Cys His Lys Leu Leu Phe Cys Ile
1 5 10 15

Ser Thr Ala Cys Gln Ala Leu Ser Ala Ser Ser Asn Leu Ala Leu Thr
20 25 30

Ala Thr Gly Ser Arg Cys Pro Ile Phe Gln Ser Lys Asp Arg Gly Val
35 40 45

Lys Phe Lys Tyr Arg Phe Ser Asp Ile Asn Leu Cys Asp Asp Leu Ile
50 55 60

Glu Ala Gly Phe Ser Ser Ile Thr Val Leu Val Pro Ser Leu Leu Tyr
65 70 75 80

Gly Asn Glu Asn Lys Glu Thr Tyr Phe Leu Ala Cys Leu Lys Lys Lys
85 90 95

Lys

<210> 5491
<211> 294
<212> PRT
<213> Homo sapiens

<400> 5491
Thr Tyr Thr Ile His Ala Asp Gly Thr Gly Ser Asn Met Asn Ile Asn
1 5 10 15

Asp Gly Gly Arg Arg Arg Phe Glu Asp Asn Glu His Thr Leu Arg Ile
20 25 30

Tyr Pro Gly Ala Ile Ser Glu Gly Thr Ile Tyr Cys Pro Ile Pro Ala
35 40 45

Arg Lys Asn Ser Thr Ala Ala Glu Val Ile Glu Ser Leu Ile Asn Lys
50 55 60

Leu His Leu Asp Lys Thr Lys Cys Tyr Val Leu Ala Glu Val Lys Glu
65 70 75 80

Phe Gly Gly Glu Glu Trp Ile Leu Asn Pro Thr Asp Cys Pro Val Gln
85 90 95

Arg Met Met Leu Trp Pro Arg Met Ala Leu Glu Asn Arg Leu Ser Gly
100 105 110

```
Glu Asp Tyr Arg Phe Leu Leu Arg Glu Lys Asn Leu Asp Gly Ser Ile
        115                 120                 125

His Tyr Gly Ser Leu Gln Ser Trp Leu Arg Val Thr Glu Glu Arg Arg
    130                 135                 140

Arg Met Met Glu Arg Gly Phe Leu Pro Gln Pro Gln Gln Lys Asp Phe
145                 150                 155                 160

Asp Asp Leu Cys Ser Leu Pro Asp Leu Asn Glu Lys Thr Leu Leu Glu
                165                 170                 175

Asn Leu Arg Asn Arg Phe Lys His Glu Lys Ile Tyr Thr Tyr Val Gly
            180                 185                 190

Ser Ile Leu Ile Val Ile Asn Pro Phe Lys Phe Leu Pro Ile Tyr Asn
        195                 200                 205

Pro Lys Tyr Val Lys Met Tyr Asp Asn His Gln Leu Gly Lys Leu Glu
    210                 215                 220

Pro His Ile Tyr Ala Val Ala Asp Val Ala Tyr His Ala Met Leu Gln
225                 230                 235                 240

Arg Lys Lys Asn Gln Cys Ile Val Ile Ser Gly Glu Ser Gly Ser Gly
                245                 250                 255

Lys Thr Gln Ser Thr Asn Phe Leu Ile His His Leu Thr Ala Leu Ser
            260                 265                 270

Gln Lys Gly Phe Ala Ser Gly Val Glu Gln Ile Ile Leu Gly Ala Gly
        275                 280                 285

Pro Val Leu Glu Ala Val
    290
```

<210> 5492
<211> 85
<212> PRT
<213> Homo sapiens

<400> 5492

```
Pro Tyr Leu Arg Arg Arg Asp Thr Gln Asp Lys Leu Gln Val Val Ser
  1               5                  10                  15

Arg Phe Thr Phe Tyr Phe Glu Asp Pro Leu Leu Pro Gln Val Pro Asp
             20                  25                  30
```

BNSDOCID: <WO_0122920A2 I >

Leu Glu Asn Glu Pro Pro Leu Ser Gly Leu Ala Ser Pro Gln Pro Arg
35 40 45

His Arg Leu Ala Gln Gly Ser Ser Ser Trp Leu Ser Trp Asn Leu His
50 55 60

Phe Leu Thr Thr Arg Lys Arg Ser Pro Glu Leu Thr Lys Asn Asn Ile
65 70 75 80

Leu Leu Thr Trp Glu
85

<210> 5493
<211> 274
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (188)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (231)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (245)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (271)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5493

```
His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro
  1               5                  10                  15

Gly Ser Thr His Ala Ser Gly Pro Thr Ser Pro Pro Ala Arg Met Ala
             20                  25                  30

Pro Pro Gly Pro Ala Ser Ala Leu Ser Thr Ser Ala Glu Pro Leu Ser
         35                  40                  45

Arg Ser Xaa Phe Arg Lys Phe Leu Leu Met Leu Cys Ser Leu Leu Thr
     50                  55                  60

Ser Leu Tyr Val Phe Tyr Cys Leu Ala Glu Arg Cys Gln Thr Leu Ser
 65                  70                  75                  80

Gly Pro Val Val Gly Leu Ser Gly Gly Gly Glu Glu Ala Gly Ala Pro
                 85                  90                  95

Gly Gly Gly Val Leu Ala Gly Pro Arg Glu Leu Ala Val Trp Pro Ala
            100                 105                 110

Ala Ala Gln Arg Lys Arg Leu Leu Gln Leu Pro Gln Trp Arg Xaa Arg
        115                 120                 125

Arg Xaa Pro Ala Pro Arg Xaa Asp Gly Glu Glu Ala Ala Trp Glu Glu
    130                 135                 140

Glu Ser Pro Gly Leu Ser Gly Val Arg Ala Ala Pro Gly Pro Glu Ala
145                 150                 155                 160

Pro Trp Pro Arg Pro Arg Arg Gly Pro Trp Arg Cys Ser Trp Thr Lys
                165                 170                 175

Ala Ala Ser Ser Cys Arg Ser Ile Ile Ile Gly Xaa Lys Lys Gly Gly
            180                 185                 190

Thr Arg Ala Leu Leu Glu Phe Leu Arg Val His Pro Asp Val Arg Ala
        195                 200                 205

Val Gly Ala Glu Pro His Phe Phe Asp Arg Ser Tyr Asp Lys Gly Leu
    210                 215                 220
```

BNSDOCID: <WO_ 0122920A2_I_>

Ala Trp Tyr Arg Asp Leu Xaa Pro Arg Thr Leu Glu Gly Gln Ile Thr
225 230 235 240

Met Glu Lys Lys Xaa Ser Tyr Ser Ser Ser Gly Lys Pro Pro Arg Ala
245 250 255

Ser Trp Ala Cys Ser Lys Asp Asn Lys Leu Ile Arg Trp Leu Xaa Gly
260 265 270

Asn Arg

<210> 5494
<211> 66
<212> PRT
<213> Homo sapiens

<400> 5494
Gly Val Gly His Ser Glu Leu Thr Ser Met Phe Asn Thr Ile Thr Arg
1 5 10 15

Asp Thr Glu Thr Ala Asn Gln Asp Lys Lys Leu Thr Thr Ser Arg Cys
20 25 30

Arg Gln Leu Phe Pro Arg Cys Gln Asn Lys Thr Ser Tyr His Asp Glu
35 40 45

Ala Pro Thr Pro Leu Asn Leu Pro Ser Ser Cys Leu Pro Leu Ser Leu
50 55 60

Ala Gly
65

<210> 5495
<211> 117
<212> PRT
<213> Homo sapiens

<400> 5495
Leu Asp Arg Ile Phe Ser Gly Gly Ser Leu Val Asp Phe Glu Gly Lys
1 5 10 15

Thr Phe Trp Val Tyr His Val Leu Ile Leu Glu Thr Gly Ser Asp Glu
20 25 30

Ser Ser Pro Val Val Pro Leu Ser Asn Ser Ile Lys Val Gly Ile Ser
35 40 45

```
Lys Glu His Leu Ile Gln Gly Ala Gly Ala Asp Phe Ile Asp Ser Arg
     50                  55                  60

Glu Thr Cys Phe Ser Ala Tyr Ser Ser Leu Pro Ser Gly Ala Ser Leu
 65                  70                  75                  80

Leu Thr Ile Thr Ala Ser Leu Arg Cys Arg Trp Val Phe Leu Lys Gln
                 85                  90                  95

Glu Thr Val Ser Pro Leu Leu Pro Gln Leu Leu Gly Val Gly Ile Ser
            100                 105                 110

Asp Thr Gly Asp Gly
        115
```

<210> 5496
<211> 171
<212> PRT
<213> Homo sapiens

<400> 5496

```
Ile Thr Met Asp Trp Gln Ser Ile Lys Ile Gln Glu Leu Met Ser Asp
  1               5                  10                  15

Asp Gln Arg Glu Ala Gly Arg Ile Pro Arg Thr Ile Glu Cys Glu Leu
             20                  25                  30

Val His Asp Leu Val Asp Ser Cys Val Pro Gly Asp Thr Val Thr Ile
         35                  40                  45

Thr Gly Ile Val Lys Val Ser Asn Ala Glu Glu Gly Ser Arg Asn Lys
     50                  55                  60

Asn Asp Lys Cys Met Phe Leu Leu Tyr Ile Glu Ala Asn Ser Ile Ser
 65                  70                  75                  80

Asn Ser Lys Gly Gln Lys Thr Lys Ser Ser Glu Asp Gly Cys Lys His
                 85                  90                  95

Gly Met Leu Met Glu Phe Ser Leu Lys Asp Leu Tyr Ala Ile Gln Glu
            100                 105                 110

Ile Gln Ala Glu Glu Asn Leu Phe Lys Leu Ile Val Asn Ser Leu Cys
        115                 120                 125

Pro Val Ile Phe Gly His Glu Leu Val Lys Ala Gly Leu Ala Leu Ala
    130                 135                 140
```

Leu Phe Gly Gly Ser Gln Lys Tyr Ala Asp Asp Lys Asn Arg Ile Pro
145 150 155 160

Ile Arg Gly Asp Pro His Ile Leu Val Gly Phe
165 170

<210> 5497
<211> 24
<212> PRT
<213> Homo sapiens

<400> 5497
Ser Val Lys Cys Arg Leu Ser Ser Phe Ile Met Asn Val Ile Val Arg
1 5 10 15

Asn Thr Leu Thr Phe Ser Asn Phe
20

<210> 5498
<211> 74
<212> PRT
<213> Homo sapiens

<400> 5498
Gly Phe Ser Gln Arg Arg Val Cys Ser Gly Arg Cys Cys Gly Gln Gly
1 5 10 15

Ser Arg Gln Arg Pro Leu Ser Ser Arg Leu Ala Pro Ala Leu Arg Gly
20 25 30

His Gly Gly Ala Glu Ala Thr Arg Ala Gly Pro Glu Pro Gly Gly Pro
35 40 45

Trp Leu Arg Phe Ser Cys Thr Glu Lys Leu Asn Pro Ala Arg Ser Asp
50 55 60

Val His Phe Met Val Pro Thr Pro Leu Gly
65 70

<210> 5499
<211> 153
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5499

```
Thr Cys Tyr Ala Thr Pro Cys Leu Val Trp Met Gly Arg Trp Pro Pro
  1               5                  10                  15

Ala Val Thr Leu Thr Cys Arg Pro Thr Ala Thr Val Pro Trp Ser Pro
             20                  25                  30

Gly Thr Thr Ser Ala Glu Thr Thr Ala Leu Ala Arg Ser Leu Cys Ser
         35                  40                  45

Ala Gly Thr Gln Pro Ala Pro Ser Thr Thr Ser Leu Pro Ser Trp Arg
     50                  55                  60

Ser Ala Ala Pro Leu Ala Trp Pro Leu Gln Leu Ser Gly Gln Trp Trp
 65                  70                  75                  80

Ser Ala Gly Ala Cys Phe Leu Asp Leu Pro Ser Leu Ala Leu Cys Trp
                 85                  90                  95

Pro Gly Asp Ser Gly Asp Ala Ser Gly Gln Lys Pro Gly Ala Glu Gln
            100                 105                 110

Thr Leu Gly Cys Ser Gly Trp Ala Gln Ala Xaa Phe Arg Leu Ala Ala
        115                 120                 125

Thr Val Arg Xaa Pro Xaa Arg Pro Gln Ala Pro Ser Xaa Arg Ala Phe
    130                 135                 140

Leu Pro Leu His Phe Pro Thr Ile Glu
145                 150
```

BNSDOCID: <WO__0122920A2_I >

<210> 5500
<211> 142
<212> PRT
<213> Homo sapiens

<400> 5500
Trp Thr Trp Ser Thr Pro Ala Ser Ala Arg Ser Ser Gly Thr Thr Thr
1 5 10 15

Trp Pro Pro Ala Pro Ala Ala Ala Leu His Leu Arg Leu Arg Gly Val
20 25 30

Gln Arg Arg Arg Ile Leu Thr Met Glu Pro Val Leu Gly Gly Thr Pro
35 40 45

Tyr Leu Asp Lys Phe Val Val Ser Ser Ser Arg Gln Gly Gln Gly Ser
50 55 60

Gly Gln Met Leu Trp Glu Cys Leu Arg Arg Asp Leu Gln Thr Leu Phe
65 70 75 80

Trp Arg Ser Arg Val Thr Asn Pro Ile Asn Pro Trp Tyr Phe Lys His
85 90 95

Ser Asp Gly Ser Phe Ser Asn Lys Gln Trp Ile Phe Phe Trp Phe Gly
100 105 110

Leu Ala Asp Ile Arg Asp Ser Tyr Glu Leu Val Asn His Ala Lys Gly
115 120 125

Leu Pro Asp Ser Phe His Lys Pro Ala Ser Asp Pro Gly Ser
130 135 140

<210> 5501
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _0122920A2 I >

<400> 5501
Gln Arg Glu Asn Arg Pro Cys Leu Lys Glu Arg Phe Leu Val Tyr Ala
1 5 10 15

Ser Gly Leu Trp Ala Gly Xaa Ala Thr Ile Pro Tyr Xaa Arg Gln Ser
20 25 30

Ser Ala Pro Ala Ala Lys Leu Ala Cys Phe Thr Gly Lys Leu Leu Glu
35 40 45

Glu Trp Leu Leu Met Arg Phe Gln Asn Glu Val Leu Ala Asn Thr Ala
50 55 60

His Gly His Pro Gly Phe Ser Gln Trp Leu Pro Phe Leu Leu Ala Ser
65 70 75 80

Leu Asn Arg Gly Glu Ser Leu Thr Ser Leu Leu Leu Ser Lys Pro Phe
85 90 95

Thr Leu Asn Gly
100

<210> 5502
<211> 165
<212> PRT
<213> Homo sapiens

<400> 5502
Lys Trp Asp Glu Pro Trp Tyr Asn Gln Lys Thr Glu His Gln Arg Asn
1 5 10 15

Ser Ser Lys Ile Leu Arg Phe Ile Ser Asp Phe Leu Ala Phe Leu Val
20 25 30

Leu Tyr Asn Phe Ile Ile Pro Ile Ser Leu Tyr Val Thr Val Glu Met
35 40 45

Gln Lys Phe Leu Gly Ser Phe Phe Ile Gly Trp Asp Leu Asp Leu Tyr
50 55 60

His Glu Glu Ser Asp Gln Lys Ala Gln Val Asn Thr Ser Asp Leu Asn
65 70 75 80

Glu Glu Leu Gly Gln Val Glu Tyr Val Phe Thr Asp Lys Thr Gly Thr
85 90 95

Leu Thr Glu Asn Glu Met Gln Phe Arg Glu Cys Ser Ile Asn Gly Met
100 105 110

```
Lys Tyr Gln Glu Ile Asn Gly Arg Leu Val Pro Glu Asp Gln His Gln
        115                 120                 125

Thr Leu Gln Lys Glu Thr Tyr Leu Ile Leu Val Val Tyr Pro Ile Leu
    130                 135                 140

Thr Thr Tyr Pro Ile Leu Gln Pro Val Pro Leu Ser Glu Pro Val Leu
145                 150                 155                 160

Lys Met Lys Leu Asn
                165
```

<210> 5503
<211> 54
<212> PRT
<213> Homo sapiens

<400> 5503

```
Arg Leu Pro Ser Glu Val Ser Asp His Ser Leu Leu Leu Lys Gln Leu
  1               5                  10                  15

Leu Leu Phe Leu Tyr Ser Ile Glu His Pro Gly Ile Asp Ile Ile Leu
             20                  25                  30

Ser Ile Ser Ile Ser Pro Leu Leu Val Tyr Leu Ile Ile Asn Pro Val
         35                  40                  45

Ser Arg Ala Val Phe Ile
     50
```

<210> 5504
<211> 220
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (175)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5504

```
His Glu Gly Lys Cys Phe Cys Arg Lys Ser Thr Leu Thr Thr His Leu
  1               5                  10                  15

Arg Thr His Thr Gly Glu Lys Pro Tyr Glu Cys Asn Glu Cys Gly Lys
             20                  25                  30

Phe Phe Ser Arg Leu Ser Tyr Leu Thr Val His Tyr Arg Thr His Ser
         35                  40                  45

Gly Glu Lys Pro Tyr Glu Cys Asn Xaa Cys Gly Lys Thr Phe Tyr Leu
     50                  55                  60

Asn Ser Ala Leu Met Arg His Gln Arg Val His Thr Gly Glu Lys Pro
 65                  70                  75                  80

Tyr Glu Cys Asn Glu Cys Gly Lys Leu Phe Ser Gln Leu Ser Tyr Leu
                 85                  90                  95

Thr Ile His His Arg Thr His Ser Gly Val Lys Pro Tyr Glu Cys Ser
            100                 105                 110

Glu Cys Gly Lys Thr Phe Tyr Gln Asn Ser Ala Leu Cys Arg His Arg
        115                 120                 125

Arg Ile His Lys Gly Glu Lys Pro Tyr Glu Cys Tyr Ile Cys Gly Lys
    130                 135                 140

Phe Phe Ser Gln Met Ser Tyr Leu Thr Ile His His Arg Ile His Ser
145                 150                 155                 160

Gly Glu Lys Pro Tyr Glu Cys Ser Glu Cys Gly Lys Thr Phe Xaa Gln
                165                 170                 175

Asn Xaa Ala Leu Asn Arg His Gln Arg Thr His Thr Gly Glu Lys Ala
            180                 185                 190

Tyr Glu Cys Tyr Glu Cys Gly Lys Cys Phe Ser Gln Met Ser Tyr Leu
        195                 200                 205

Thr Ile His His Arg Ile His Ser Gly Glu Asn Leu
    210                 215                 220
```

<210> 5505
<211> 111
<212> PRT

<213> Homo sapiens

<400> 5505

```
Lys Arg Glu Phe Ala Gly Glu Lys Arg Leu Asp Leu Val Glu Asp Cys
  1               5                  10                  15

Leu Gly Trp Gly Ser Thr Thr Trp Arg Phe Gln Ile His Leu Ala Cys
             20                  25                  30

Lys Gln Gln Ser Tyr Pro Tyr Leu Pro His Val Asn Val Ile Ala Arg
         35                  40                  45

Val Thr Leu Asp Lys Leu Gln Thr Asp Gly Pro Ser Ser Ser Pro Gly
     50                  55                  60

Ala Pro Trp Met Ala Ala Leu Leu Gln Ser Val Ser Cys Phe Trp Asn
 65                  70                  75                  80

Ser Leu Leu Gly Asn Phe Lys Glu Glu Lys Lys Asn Leu Asn Cys Val
                 85                  90                  95

Glu Leu Leu Tyr Leu Leu Leu Phe Phe Phe Glu Lys Ile Asn Leu
            100                 105                 110
```

<210> 5506
<211> 157
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5506

```
Thr Lys Ser Ser Ala Leu Gly Pro Arg Ala Pro Ser Leu Arg Arg His
  1               5                  10                  15

Val Leu Ile His Asn Thr Leu Gln Gln Leu Gln Ala Ala Leu Arg Leu
             20                  25                  30

Ala Pro Ala Pro Ala Leu Pro Pro Glu Pro Leu Phe Leu Gly Glu Glu
         35                  40                  45
```

```
Asp Phe Ser Leu Ser Ala Xaa Ile Gly Ser Ile Leu Arg Glu Leu Asp
     50                  55                  60

Thr Ser Met Asp Gly Thr Glu Pro Pro Gln Asn Pro Val Thr Pro Leu
 65                  70                  75                  80

Gly Leu Gln Asn Glu Val Pro Pro Gln Pro Asp Pro Val Phe Leu Glu
                 85                  90                  95

Ala Leu Ser Ser Arg Tyr Leu Gly Asp Ser Gly Leu Asp Asp Phe Phe
            100                 105                 110

Leu Asp Ile Asp Thr Ser Ala Val Glu Lys Glu Pro Ala Arg Ala Pro
        115                 120                 125

Pro Glu Pro Xaa His Asn Leu Phe Cys Ala Pro Gly Ser Trp Glu Trp
    130                 135                 140

Asn Glu Leu Asp His Ile Met Glu Ile Ile Leu Gly Ser
145                 150                 155
```

<210> 5507
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5507

```
Lys Met Met Arg Val His Gln Asp Ser Thr Xaa Glu Lys Leu Pro Phe
  1               5                  10                  15
```

```
Phe Pro Leu Xaa Ala Asp Trp Lys Ala Ser Arg Ala Xaa Leu Cys Ala
            20                  25                  30

Leu Phe Arg Xaa Thr His Lys Asp Leu Gly Lys Cys Lys
        35                  40                  45
```

<210> 5508
<211> 158
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (152)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5508

```
Asn Phe Ile Phe Ile Leu Lys Leu His Leu Leu Lys Ser Leu Lys Ile
  1               5                  10                  15

Ile Ser Val His Val Leu Asn Thr Ser Leu Tyr Ser Val Ile Asn Thr
            20                  25                  30

Pro Asp Phe Phe Pro Leu Thr Leu Cys His Pro Ser Val Cys Leu Val
        35                  40                  45

Ser Ser Met Pro Cys Gly Arg Gly Val Ser Leu Ser Ser Ala Gln Glu
    50                  55                  60

Gly Asn Phe Lys His Ile Cys Thr Ile Lys Phe Gln Ile Lys His Phe
65                  70                  75                  80

Lys Lys Gly Ala Gln Thr Arg Asn Thr Cys Ser Ser Glu Ile Pro Cys
                85                  90                  95

Cys Asn Cys Asn Ser Cys His Ile Tyr Pro Val Tyr Glu Glu Lys Phe
            100                 105                 110

Leu Gln Phe Ser His Cys Pro Ser Val Leu Leu Pro Gly Cys Ala Leu
        115                 120                 125

Leu Leu Glu Leu Lys Tyr Glu Ile Phe Thr Leu Lys Tyr Val Asn Val
    130                 135                 140

Lys Val Asp Arg Ile Lys Phe Xaa Asn Pro Leu Arg Phe Ile
145                 150                 155
```

BNSDOCID: <WO_ 0122920A2 I >

<210> 5509
<211> 54
<212> PRT
<213> Homo sapiens

<400> 5509
Ile Thr Gly Met Ser His Cys Ala Arg Pro Ser Phe Leu Phe Asn Lys
1 5 10 15

Cys Met Tyr Leu Lys Ala Ile Ala Phe Ser Arg Asn Leu Phe Leu Cys
20 25 30

Ser Gly Arg Ala Tyr Lys Leu Cys Leu Gln Leu Phe Phe Phe Ser Lys
35 40 45

Gly Asn Thr Ser Gly Arg
50

<210> 5510
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5510
Ser Thr Arg Gln Pro Asn Pro Phe Gly Ala Thr Ile Asp Cys Tyr Lys
1 5 10 15

Ala His Pro Trp Val Lys Ile Tyr Tyr Leu Gln Leu Tyr Leu Met Thr
20 25 30

Leu Ile Leu Pro Ser Ser Tyr Ile Lys Phe Gly Xaa Val Phe Tyr Xaa
35 40 45

Ile Ile Phe
50

<210> 5511
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5511
Gln Pro Arg Arg Pro Pro Arg Cys Pro Leu Pro Arg Gly Pro Trp Gly
1 5 10 15

Arg Pro Arg Ala Thr Gly Pro Gln Leu Gly Cys Ile Ser Ser Thr Ser
20 25 30

Cys Pro Ala Pro Thr Ser Ser Ser Ala Arg Cys Pro Ala Phe Ser Arg
35 40 45

Pro Arg Ala Gly Ile Pro Ala Gly Leu Val Ala Gly Gly Gly Leu Gly
50 55 60

Gly Pro Gly Leu Gly Pro Glu Pro His Phe His Arg Cys Leu Pro His
65 70 75 80

Pro Leu Leu Leu Leu Pro Ala Pro Arg Ala Pro Arg Val Gln Asp Pro
85 90 95

Leu Ala Arg Gly Arg Leu Arg His Leu Glu Leu Ile Val Pro Xaa Ser
100 105 110

Xaa Ala Ala Leu Ala Leu Ala Ser
115 120

<210> 5512
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5512
Ala Ile Leu Lys Gln Thr Pro Leu Lys Lys Gln Thr Asn Lys Lys Asn
1 5 10 15

Ile Asp Phe Phe Ile Ser Phe Glu Leu Pro Pro Phe Tyr Tyr Val Met
20 25 30

Asn Met Cys Cys Phe Cys Asn Arg Lys Ile Ile Lys Leu Lys Phe Gln
35 40 45

Leu Gln Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60

Lys Lys Xaa
65

<210> 5513
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5513
Asn Ala Thr Ile Ile Val Asn Lys Ile Pro Val Asn Thr Cys Cys Leu
1 5 10 15

Cys Cys Leu Ser Pro Asp Ser Arg Ala Glu Phe Ser Phe Cys Thr Val
20 25 30

Ala Leu Ala Leu Thr Val Thr Ala Leu Gln Gln Ala Pro Ser Pro Arg
35 40 45

Pro Phe Arg Ser Ile Pro Gln Arg Val Leu His Val Ser Ser Pro Met
50 55 60

Ser Ser Leu Gly Ser Ser Val Lys Thr His Ser Ser Pro Ala Gly Val
65 70 75 80

Leu Arg Asp Ala Arg Ser Leu Trp Gly Gln Phe Gly Xaa Ile Asp Ile
85 90 95

His Val

BNSDOCID: <WO_ _ 0122920A2 I >

<210> 5514
<211> 61
<212> PRT
<213> Homo sapiens

<400> 5514
Gly Lys Lys Arg Lys Lys Leu Tyr Phe Phe Ser Ile Tyr Leu Leu Gln
1 5 10 15

Arg Thr Leu Cys Phe Leu Ser Cys Lys Thr Ser Tyr Phe Ser Tyr Tyr
20 25 30

Cys Thr Leu Glu Lys Ser Cys Arg Phe Met Leu Asn Ser Tyr Leu Arg
35 40 45

Thr Ile Val Ile Ser Ser Lys Arg His Glu Leu Ser Ser
50 55 60

<210> 5515
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5515
Phe Lys Ala Leu Asn Ser Lys Ser Ile Lys Thr Tyr Leu Gly Glu Thr
1 5 10 15

Gly Ile Met Gln Phe Ile Thr Cys Ile His Ser Ser Ile Gln Lys Tyr
20 25 30

Gly Xaa Ile Trp Tyr Leu Lys Leu Lys Cys Gly Ser Lys Ala Thr Lys
35 40 45

Ser Glu Thr Trp Xaa
50

<210> 5516
<211> 33
<212> PRT
<213> Homo sapiens

<400> 5516
Phe Ala Asn Leu Lys Ile Gly Thr Pro Leu Gly Met Pro Asp Arg Arg
1 5 10 15

Val Leu His Ile Cys Arg Gly Arg Gln Glu Leu Asn Ile Thr Thr Ser
20 25 30

Phe

<210> 5517
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5517
Ala Thr Glu Pro Ser Leu Leu Xaa Ser Phe Xaa His Asn Phe Cys Phe
1 5 10 15

Ile His Asn Phe Ser Ser Ile Glu Ser Arg Ile Lys Thr Trp Val Leu
20 25 30

Ser Leu Xaa Leu Ser Val Glu Ala Tyr Glu Cys Leu Leu Lys Ile Met
35 40 45

Phe Leu Asn Ala Leu Asn Ile Xaa Asp Tyr Lys Gly Ile Leu Leu Phe
50 55 60

Glu Ile Arg Xaa
65

<210> 5518
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5518
Thr Asn Arg Pro Leu Ser Phe Pro Gln Phe Ile Thr Phe Ser Leu Phe
1 5 10 15

Thr Leu Cys Pro Met Thr Phe Leu His His Trp Leu Leu Phe Ile Lys
20 25 30

Pro Thr Ile Lys Asn Ile Gln Val Gln Leu Phe Leu Trp Ala Phe Ile
35 40 45

Ser Leu Trp Xaa Pro Ser Cys Arg Val Lys Leu Ile Leu Asn Lys Cys
50 55 60

Ala Cys Phe Ser Leu Ala Asn Leu Ser Phe Val Ile Glu Ile Ser Ala
65 70 75 80

Leu Asn Leu Gly Trp Ile Glu Gly Asn Ile Cys Ser Pro Leu His
85 90 95

<210> 5519
<211> 41
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I >

<400> 5519
Asp Gly Ile Val His Phe Leu Val Leu Ser Gln Val Gln Pro Val Cys
1 5 10 15

Gly Asn Leu Ser Leu Pro Thr Ser Phe Val Ala Leu Val Cys Ser Gly
20 25 30

Gln Lys Val Arg Ala Pro Leu Leu Thr
35 40

<210> 5520
<211> 155
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5520
Arg Cys Ser Ser Ile Phe Thr Pro Trp Lys Leu Thr Thr Leu Ser Ser
1 5 10 15

Phe Leu His His His Pro Gly Ala Gln Arg Ser Lys Leu Leu Ser Ile
20 25 30

Phe Ser Pro Ser Pro Arg Thr Leu Thr Leu Tyr Arg Met Gly Pro Ser
35 40 45

Ser Cys Leu Leu Leu Ile Leu Ile Pro Leu Leu Gln Leu Ile Asn Xaa
50 55 60

Gly Ser Thr Gln Cys Ser Leu Asp Ser Val Met Asp Lys Lys Ile Lys
65 70 75 80

Asp Val Leu Asn Ser Leu Glu Tyr Ser Pro Ser Pro Ile Ser Lys Lys
85 90 95

Leu Ser Cys Ala Ser Val Lys Ser Gln Gly Arg Pro Ser Ser Cys Pro
100 105 110

Ala Gly Met Ala Val Thr Gly Cys Ala Cys Gly Tyr Gly Cys Gly Ser
115 120 125

Trp Asp Val Gln Leu Glu Thr Thr Cys His Cys Gln Cys Ser Val Val
130 135 140

Asp Trp Thr Thr Ala Arg Cys Cys His Leu Thr

145 150 155

<210> 5521
<211> 93
<212> PRT
<213> Homo sapiens

<400> 5521
Ile Lys Val Asp Gly Lys Ala Ile Ser Ile Arg Ile Glu Thr Glu Ser
1 5 10 15

Tyr Asn Thr Val Cys Thr Thr Leu Arg Trp Ile His Ser Ala His Ala
20 25 30

Leu Asn Val Tyr Ile Val Leu Ser Val Gly Ser Gly Thr Phe Ser Leu
35 40 45

Val Phe Leu Lys Asn Tyr Lys Ser Glu Glu Lys Ala Ser Ile Ile Asn
50 55 60

Lys Thr Asn Asn Cys Phe Thr Ala Leu Arg Asn Asn Asn Tyr Asn Val
65 70 75 80

Tyr Tyr Leu Lys Met Gly Glu Ile Val Cys Ser Met Lys
85 90

<210> 5522
<211> 48
<212> PRT
<213> Homo sapiens

<400> 5522
Ile Ser His Ala Ile Ile Trp Val Cys Cys Ile Lys Ser Ser Thr Thr
1 5 10 15

Leu Trp Phe Ser His Cys Ile Ile Lys His Glu Ala Ser Arg Ile Lys
20 25 30

Ser Tyr Cys Phe Thr Cys Leu Leu Ser Pro Leu Cys His Phe Thr Phe
35 40 45

<210> 5523

BNSDOCID: <WO __0122920A2_I >

<211> 169
<212> PRT
<213> Homo sapiens

<400> 5523
His Glu Glu Lys Thr Thr Tyr Asp Ser Ala Glu Glu Glu Asn Lys Glu
1 5 10 15

Asn Leu Tyr Ala Gly Lys Asn Thr Lys Ile Lys Arg Ile Tyr Lys Thr
20 25 30

Val Ala Asp Ser Asp Glu Ser Tyr Met Glu Lys Ser Leu Tyr Gln Glu
35 40 45

Asn Leu Glu Ala Gln Val Lys Pro Cys Leu Glu Leu Ser Leu Gln Ser
50 55 60

Gly Asn Ser Thr Asp Phe Thr Thr Asp Arg Lys Ser Ser Lys Lys His
65 70 75 80

Ile His Asp Lys Glu Gly Thr Ala Gly Lys Ala Lys Val Lys Ser Lys
85 90 95

Arg Arg Leu Glu Lys Glu Glu Arg Lys Met Glu Lys Ile Arg Gln Leu
100 105 110

Lys Lys Lys Glu Thr Lys Asn Gln Glu Asp Asp Val Glu Gln Pro Phe
115 120 125

Asn Asp Ser Gly Cys Leu Leu Val Asp Lys Asp Leu Phe Glu Thr Gly
130 135 140

Leu Glu Asp Glu Asn Asn Ser Pro Leu Glu Asp Glu Glu Ser Leu Glu
145 150 155 160

Ser Ile Arg Ala Ala Val Lys Asn Lys
165

<210> 5524
<211> 67
<212> PRT
<213> Homo sapiens

<400> 5524
Gly Gly Thr Gly Ser Glu Cys Arg Ala Gln Gly Glu Ile Gly Ser Pro
1 5 10 15

Cys Arg Thr Cys Ser Ser Pro Ala Pro Lys Gly Asp Gly Val Trp Ala
20 25 30

BNSDOCID: <WO__ 0122920A2 I >

Trp Gly Phe Leu His Val Pro Pro Tyr Pro Asp Pro Ser Ser Gln Ser
35 40 45

Val Thr Leu Leu Trp Ala Gln Pro Pro Asn Arg Ser His Leu Gly Leu
50 55 60

Gly Gln Thr
65

<210> 5525
<211> 172
<212> PRT
<213> Homo sapiens

<400> 5525
Pro Thr Arg Pro Pro Thr Arg Pro Pro Thr Arg Pro Asp Ser Ser Lys
1 5 10 15

Pro Ile Val Arg Glu Ser Trp Met Thr Glu Leu Pro Pro Glu Met Lys
20 25 30

Asp Phe Gly Leu Gly Pro Arg Thr Phe Lys Arg Arg Ala Asp Asp Thr
35 40 45

Ser Gly Asp Arg Ser Ile Trp Thr Asp Thr Pro Ala Asp Arg Glu Arg
50 55 60

Lys Ala Lys Glu Thr Gln Glu Ala Arg Lys Ser Ser Ser Lys Lys Asp
65 70 75 80

Glu Glu His Ile Leu Ser Gly Arg Asp Lys Arg Leu Ala Glu Gln Val
85 90 95

Ser Ser Tyr Asn Glu Ser Lys Arg Ser Glu Ser Leu Met Asp Ile His
100 105 110

His Lys Lys Leu Lys Ser Lys Ala Ala Glu Asp Lys Asn Lys Pro Gln
115 120 125

Glu Arg Ile Pro Phe Asp Arg Asp Lys Asp Leu Lys Val Asn Arg Phe
130 135 140

Asp Glu Ala Gln Lys Lys Ala Leu Ile Lys Lys Ser Arg Glu Leu Asn
145 150 155 160

Thr Arg Phe Ser His Gly Lys Gly Asn Met Phe Leu
165 170

<210> 5526
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5526
Ala Phe Ser Arg Lys Ser His Leu Ile Pro His Gln Arg Thr His Thr
1 5 10 15

Gly Glu Lys Pro Tyr Gly Cys Ser Glu Cys Arg Lys Ala Phe Ser Gln
20 25 30

Lys Ser Gln Leu Val Asn His Gln Arg Ile His Thr Gly Glu Lys Pro
35 40 45

Tyr Arg Cys Ile Xaa Cys Gly Lys Ala Phe Ser Gln Lys Ser Gln Leu
50 55 60

Ile Asn His Gln Arg Thr His Thr Val Lys Lys Ser
65 70 75

<210> 5527
<211> 398
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (382)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (395)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5527
Cys Val Asn Pro Glu Leu Ile Ile Trp Val Asn Arg Phe Val Met Cys
1 5 10 15

Phe Phe Val Glu Leu Lys Lys Ala Ser Lys Arg Met Thr Cys His Lys
20 25 30

```
Arg Tyr Lys Ile Gln Lys Lys Val Arg Glu His His Arg Lys Leu Arg
         35                  40                  45

Lys Glu Ala Lys Lys Arg Gly His Lys Lys Pro Arg Lys Asp Pro Gly
     50                  55                  60

Val Pro Asn Ser Ala Pro Phe Lys Glu Ala Leu Leu Arg Glu Ala Glu
 65                  70                  75                  80

Leu Arg Lys Gln Arg Leu Glu Glu Leu Lys Gln Gln Gln Lys Leu Asp
                 85                  90                  95

Arg Gln Lys Glu Leu Glu Lys Lys Arg Lys Leu Glu Thr Asn Pro Asp
            100                 105                 110

Ile Lys Pro Ser Asn Val Glu Pro Met Glu Lys Glu Phe Gly Leu Cys
        115                 120                 125

Lys Thr Glu Asn Lys Ala Lys Ser Gly Lys Gln Asn Ser Lys Lys Leu
    130                 135                 140

Tyr Cys Gln Glu Leu Lys Lys Val Ile Glu Ala Ser Asp Val Val Leu
145                 150                 155                 160

Glu Val Leu Asp Ala Arg Asp Pro Leu Gly Cys Arg Cys Pro Gln Val
                165                 170                 175

Glu Glu Ala Ile Val Gln Ser Gly Gln Lys Lys Leu Val Leu Ile Leu
            180                 185                 190

Asn Lys Ser Asp Leu Val Pro Lys Glu Asn Leu Glu Ser Trp Leu Asn
        195                 200                 205

Tyr Leu Lys Lys Glu Leu Pro Thr Val Val Phe Arg Ala Ser Thr Lys
    210                 215                 220

Pro Lys Asp Lys Gly Lys Ile Thr Lys Arg Val Lys Ala Lys Lys Asn
225                 230                 235                 240

Ala Ala Pro Phe Arg Ser Glu Val Cys Phe Gly Lys Glu Gly Leu Trp
                245                 250                 255

Lys Leu Leu Gly Gly Phe Gln Glu Thr Cys Ser Lys Ala Ile Arg Val
            260                 265                 270

Gly Val Ile Gly Phe Pro Asn Val Gly Lys Ser Ser Ile Ile Asn Ser
        275                 280                 285

Leu Lys Gln Glu Gln Met Cys Asn Val Gly Val Ser Met Gly Leu Thr
    290                 295                 300
```

BNSDOCID: <WO__ 0122920A2_I_>

```
Arg Ser Met Gln Val Val Pro Leu Asp Lys Gln Ile Thr Ile Ile Asp
305                 310                 315                 320

Ser Pro Ser Phe Ile Val Ser Pro Leu Asn Ser Ser Ser Ala Leu Ala
                325                 330                 335

Leu Arg Ser Pro Ala Ser Ile Glu Val Val Lys Pro Met Glu Ala Ala
            340                 345                 350

Ser Ala Ile Leu Ser Gln Ala Asp Ala Arg Gln Val Val Leu Lys Tyr
        355                 360                 365

Thr Val Pro Gly Tyr Arg Asn Ser Leu Gly Ile Phe Tyr Xaa Ala Cys
    370                 375                 380

Ser Glu Lys Arg Tyr Ala Pro Lys Arg Trp Xaa Pro Lys Cys
385                 390                 395
```

<210> 5528
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

```
<400> 5528
Gln Ser Gly Arg Gly Gly Asp Arg Gly Arg Ser Lys Val Asp Thr Ser
  1               5                  10                  15

Ala Lys Pro Phe Ala Val Ile Ser Asp Cys Ala Val Ser Cys Pro Val
             20                  25                  30

His Gln Ser Pro Leu Val Phe Asp Val Gly Gln Cys Arg Gln His Asp
         35                  40                  45
```

Leu Ala Gly Gln Xaa Leu Ile Tyr His Ser Xaa Asp Thr Ser Trp Ser
50 55 60

Leu Gly Ser Xaa His Pro Met Phe Pro Leu Phe Pro His Leu
65 70 75

<210> 5529
<211> 80
<212> PRT
<213> Homo sapiens

<400> 5529
Glu Pro Ala Trp Gly Asp Cys Gln Val Ala Lys Gly Lys Glu Arg Val
1 5 10 15

Ala Asn Cys Leu Leu His Leu Ala Ala Gln Pro Gly Leu Pro Ala Phe
20 25 30

Lys Gly His Phe Phe Gly Gln Glu Leu Thr Arg Met Ser Pro Glu Ser
35 40 45

Ser Thr Pro Arg Val Cys Gly Asn His Pro Leu Leu Asn Thr Glu Ser
50 55 60

Cys Arg Ile Ile Val Gly Lys Glu Ala Thr Ser Ser Glu Ala Val Val
65 70 75 80

<210> 5530
<211> 155
<212> PRT
<213> Homo sapiens

<400> 5530
Ala Val Thr Ser Leu Lys Ala Pro Val Ile Thr Leu Arg Ser Ser Ser
1 5 10 15

Ser Asn Cys His Pro Thr Ser Leu Ala Ser Cys Arg Lys Val Asn Leu
20 25 30

Asp Asn Thr Trp Leu Ser Phe Leu Thr Asn Ala Gly Ser Gly Arg Asn
35 40 45

Ser Leu Val Leu Lys Ser Lys Asn Thr Asn Cys Leu Arg Phe Ser Asn
50 55 60

```
Thr Pro Met Lys Ala Ser His Pro Ser Leu Leu Thr Arg Phe Pro Ala
 65                  70                  75                  80

Lys Phe Asn Cys Trp Lys Phe Phe Arg Gly Phe Phe Pro Lys Asn Ala
                85                  90                  95

Pro Lys Ile Leu Ile Ser Val Ser Val Ser Leu Gln Phe Phe Asn Pro
            100                 105                 110

Ser Leu Thr Ser Cys Gly Thr Ser Ser Lys Cys Phe Asn Lys Leu Leu
        115                 120                 125

Arg Leu Pro Cys Thr Ser Gln Pro Gln Gly Ser Ile Ser Ala Val Ser
    130                 135                 140

Cys Ser Ser Thr Phe Ile Leu Ser Ile Ser Ser
145                 150                 155
```

<210> 5531
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5531

```
Ile Ile Val Ile Ile Gly Val Ser His His Ala Arg Pro Val Ser Ala
  1               5                  10                  15

Phe Ile Lys Ile Val His Ser Phe Ile His Ser Cys Ser Leu Lys Met
            20                  25                  30

Leu Phe Arg Lys Glu Phe Asp Lys Ile Asn Ile Ile Gln Asn Ser Lys
        35                  40                  45

Lys Lys Glu Xaa Ser Phe Cys Phe Ser His Lys Leu Gly Leu Leu
    50                  55                  60
```

<210> 5532
<211> 145
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5532
Lys Gln Pro Pro Leu Gln Ser His Pro Pro Ser Gly Cys Gly Arg Pro
1 5 10 15

Gly Trp Pro Ala Glu Ala Pro Arg Pro Gly Leu His Pro Ser Ala Gln
20 25 30

Thr Thr Ala Gly Arg Ala Gly Val Gln Val Gly Gln Leu Pro Pro Phe
35 40 45

His Pro Ser Pro Pro Leu Leu Arg Pro His Gln Glu Gln Asp Pro Cys
50 55 60

Ala Ser Val Val Leu Pro Cys Leu Gln Ala Ala Cys Gly Pro Ala Val
65 70 75 80

Thr Gln Pro Gly Asp Thr Thr Ser Pro Gly Gly Leu Cys Ala Xaa Arg
85 90 95

His Leu Arg Xaa Trp Lys Pro Ser Cys Gly Arg Arg Leu Gly Glu Gly
100 105 110

Arg Arg Glu Gly Gly His Ala Ala Ser Val Ala Ser Thr Thr Leu Thr
115 120 125

Val Pro Trp Arg Trp Leu Ser Pro Asp Arg Gly Gln Thr His Arg Ala
130 135 140

Arg
145

<210> 5533
<211> 113
<212> PRT
<213> Homo sapiens

<400> 5533
Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr
1 5 10 15

His Ala Ser Ala Asp Ala Trp Gly Lys Thr Phe Ala Arg Tyr Leu Ser
20 25 30

Phe Arg Arg Asp Asn Asn Glu Leu Leu Leu Phe Ile Leu Lys Gln Leu
35 40 45

Val Ala Glu Gln Val Thr Tyr Gln Arg Asn Arg Phe Gly Ala Gln Gln
50 55 60

Asp Thr Ile Glu Val Pro Glu Lys Asp Leu Val Asp Lys Ala Arg Gln
65 70 75 80

Ile Asn Ile His Asn Leu Ser Ala Phe Tyr Asp Ser Glu Leu Phe Arg
85 90 95

Met Asn Lys Phe Ser His Asp Leu Lys Arg Lys Met Ile Leu Gln Gln
100 105 110

Phe

<210> 5534
<211> 180
<212> PRT
<213> Homo sapiens

<400> 5534
Phe Ser Gln His Ser Arg Leu Ala Val His Arg Arg Ile His Thr Gly
1 5 10 15

Glu Lys Pro Tyr Lys Cys Lys Glu Cys Gly Lys Val Phe Ser Asp Arg
20 25 30

Ser Ala Phe Ala Arg His Arg Arg Ile His Thr Gly Glu Lys Pro Tyr
35 40 45

Lys Cys Lys Glu Cys Gly Lys Val Phe Ser Gln Cys Ser Arg Leu Thr
50 55 60

Val His Leu Arg Ile His Ser Gly Glu Lys Pro Tyr Lys Cys Asn Glu
65 70 75 80

Cys Gly Lys Val Tyr Ser Gln Tyr Ser His Leu Val Gly His Arg Arg
85 90 95

Val His Thr Gly Glu Lys Pro Tyr Lys Cys His Glu Cys Gly Lys Ala
100 105 110

```
Phe Asn Gln Gly Ser Thr Leu Asn Arg His Gln Arg Ile His Thr Gly
        115                 120                 125

Glu Lys Pro Tyr Lys Cys Asn Gln Cys Gly Asn Ser Phe Ser Gln Arg
    130                 135                 140

Val His Leu Arg Leu His Gln Thr Val His Thr Gly Asp Arg Pro Tyr
145                 150                 155                 160

Lys Cys Asn Glu Cys Gly Gln Asn Leu Leu Asn Gly Ala Gln Thr Ser
                165                 170                 175

Leu His Ile Arg
            180
```

<210> 5535
<211> 164
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5535

```
Pro Arg Met Ala Thr Gln Arg Lys His Leu Val Lys Asp Phe Asn Pro
  1                 5                  10                  15

Tyr Ile Thr Cys Tyr Ile Cys Lys Gly Tyr Leu Ile Lys Pro Thr Thr
             20                  25                  30

Val Thr Glu Cys Leu His Thr Phe Cys Lys Thr Cys Ile Val Gln His
         35                  40                  45

Phe Glu Asp Ser Asn Asp Cys Pro Arg Cys Gly Asn Gln Val His Glu
     50                  55                  60

Thr Asn Pro Leu Glu Met Leu Arg Leu Asp Asn Thr Leu Glu Glu Ile
```

65 70 75 80

Ile Phe Lys Leu Val Pro Gly Leu Arg Glu Gln Glu Leu Glu Arg Glu
85 90 95

Ser Glu Phe Trp Lys Xaa Asn Lys Pro Gln Xaa Asn Gly Gln Asp Asp
100 105 110

Thr Ser Lys Ala Asp Lys Pro Lys Val Asp Glu Glu Gly Asp Glu Asn
115 120 125

Glu Asp Asp Lys Asp Tyr Pro Gln Glu Val Thr His Lys Leu Ala Ile
130 135 140

Cys Leu Gly Cys Phe Thr Xaa Leu Met Gly Pro Phe Gly Gly His Val
145 150 155 160

Gly Lys Gly Phe

<210> 5536
<211> 55
<212> PRT
<213> Homo sapiens

<400> 5536
Asn Ser Val Lys Phe Cys Leu Lys Lys Pro Leu Ile Glu Phe Glu Asn
1 5 10 15

His Lys Pro Phe Gln Val Ser Leu Trp Val Cys Phe Gly Phe Phe Phe
20 25 30

Phe Phe Leu Ser Leu Trp Pro Asn Val Arg Gly Ile Arg Phe Cys Lys
35 40 45

Gln Ala Ala Val Ser Ile Ser
50 55

<210> 5537
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO _ 0122920A2 I >

<400> 5537
Ser Gly Pro Pro Gly Leu His Ser Arg Ser Ser Pro Ala Pro Ser Ala
1 5 10 15

Ser Val Glu Pro Gln Ala Trp Xaa Arg Asp Glu Arg Asp Ala Ala Leu
20 25 30

Ala Arg Gly Arg Pro Ser Ala Pro Lys Thr Arg Glu Gln Ala Pro Gly
35 40 45

Glu Lys Pro Leu Glu Val Ser Trp Ser Arg Glu Ser Pro Val Ser Cys
50 55 60

<210> 5538
<211> 68
<212> PRT
<213> Homo sapiens

<400> 5538
Ala Phe Asp Gly Leu Ser Thr Ser Ser Ser Gln His Ile Leu Pro Ala
1 5 10 15

Val Ala Ala Trp Leu Gly Leu Phe Phe Ser Tyr Pro Asn Pro Met Met
20 25 30

Pro Gly Thr Leu Ile Thr Val Leu His Gln Leu Leu Tyr Phe Ser Val
35 40 45

Tyr Phe His Asn Glu Leu Tyr Cys His Leu Asp Phe Glu Gln Leu Trp
50 55 60

Glu Ile Glu Asp
65

<210> 5539
<211> 113
<212> PRT
<213> Homo sapiens

<400> 5539
Gln Glu Pro Pro Ile Met Ala Glu Gly Lys Gly Gly Val Ser Cys Leu
1 5 10 15

```
Thr Trp Pro Glu Gln Glu Val Glu Arg Gly Arg Cys His Thr Leu Thr
            20                  25                  30

Asn Asn Gln Ile Ser Gly Gln Leu Thr Gln Tyr Gln Glu Asn Ser Thr
        35                  40                  45

Thr Lys Leu Trp Leu Ile Ile His Glu Lys Pro Pro Thr Thr Gln Ser
    50                  55                  60

Pro Pro Thr Arg Pro Tyr Leu Gln His Leu Gly Leu Gln Phe Asn Met
65                  70                  75                  80

Arg Phe Gly Gly Asn Thr Asp Pro Asn His Ile Thr His Lys Leu Gln
                85                  90                  95

Leu Leu His Thr His Asp Asn Pro Leu Ile Cys Glu Gly Leu Ile Cys
            100                 105                 110

Ser
```

<210> 5540
<211> 33
<212> PRT
<213> Homo sapiens

<400> 5540

```
Ser Arg Tyr Tyr Ser Glu Ala Cys Ile Leu Tyr Ala Ser Gly His Val
  1               5                  10                  15

Leu Ser Cys Glu Val Arg Cys Ile Ser Tyr Cys Gly Leu Gln Ser Lys
            20                  25                  30

Phe
```

<210> 5541
<211> 63
<212> PRT
<213> Homo sapiens

<400> 5541

```
Gly Ala Asp Ser Ala Cys Pro Gly Pro Ala Lys Trp Leu Ser Ser Leu
  1               5                  10                  15

Arg Ala His Val Val Arg Thr Gly Ile Gly Gln Ala Arg Ala Lys Leu
            20                  25                  30
```

Phe Glu Lys Gln Ile Val Gln His Gly Gly Gln Leu Cys Pro Ala Gln
35 40 45

Gly Pro Gly Val Thr His Ile Val Val Asp Glu Ala Trp Thr Met
50 55 60

<210> 5542
<211> 62
<212> PRT
<213> Homo sapiens

<400> 5542
Met Ser Gln Ala Gly Asn Ser Glu Val Tyr Leu Ala Ile His Val Phe
1 5 10 15

Lys Met Ala Ala Ser Arg Arg Phe Thr Gly Val Pro Asp Arg Arg Gly
20 25 30

Gly Gly Ala Gln Ala Arg Met Lys Leu Glu Leu Ala Arg Ser Arg Lys
35 40 45

Thr Ile Ala Gly Gly Thr Ala Ser Val Gly Ala Glu Glu Thr
50 55 60

<210> 5543
<211> 317
<212> PRT
<213> Homo sapiens

<400> 5543
Gly Gly Pro Met Lys Asp Cys Glu Tyr Ser Gln Ile Ser Thr His Ser
1 5 10 15

Ser Ser Pro Met Glu Ser Pro His Lys Lys Lys Lys Ile Ala Ala Arg
20 25 30

Arg Lys Trp Glu Val Phe Pro Gly Arg Asn Lys Phe Phe Cys Asn Gly
35 40 45

Arg Ile Met Met Ala Arg Gln Thr Gly Val Phe Tyr Leu Thr Leu Val
50 55 60

Leu Ile Leu Val Thr Ser Gly Leu Phe Phe Ala Phe Asp Cys Pro Tyr
65 70 75 80

Leu Ala Val Lys Ile Thr Pro Ala Ile Pro Ala Val Ala Gly Ile Leu

85 90 95

Phe Phe Phe Val Met Gly Thr Leu Leu Arg Thr Ser Phe Ser Asp Pro
100 105 110

Gly Val Leu Pro Arg Ala Thr Pro Asp Glu Ala Ala Asp Leu Glu Arg
115 120 125

Gln Ile Asp Ile Ala Asn Gly Thr Ser Ser Gly Gly Tyr Arg Pro Pro
130 135 140

Pro Arg Thr Lys Glu Val Ile Ile Asn Gly Gln Thr Val Lys Leu Lys
145 150 155 160

Tyr Cys Phe Thr Cys Lys Ile Phe Arg Pro Pro Arg Ala Ser His Cys
165 170 175

Ser Leu Cys Asp Asn Cys Val Glu Arg Phe Asp His His Cys Pro Trp
180 185 190

Val Gly Asn Cys Val Gly Lys Arg Asn Tyr Arg Phe Phe Tyr Met Phe
195 200 205

Ile Leu Ser Leu Ser Phe Leu Thr Val Phe Ile Phe Ala Phe Val Ile
210 215 220

Thr His Val Ile Leu Arg Ser Gln Gln Thr Gly Phe Leu Asn Ala Leu
225 230 235 240

Lys Asp Ser Pro Ala Ser Val Leu Glu Ala Val Val Cys Phe Phe Ser
245 250 255

Val Trp Ser Ile Val Gly Leu Ser Gly Phe His Thr Tyr Leu Ile Ser
260 265 270

Ser Asn Gln Thr Thr Asn Glu Asp Ile Lys Gly Ser Trp Ser Asn Lys
275 280 285

Arg Gly Lys Glu Asn Tyr Asn Pro Tyr Ser Tyr Gly Asn Ile Phe Thr
290 295 300

Asn Cys Cys Val Ala Leu Cys Gly Pro Ser His Gln Ala
305 310 315

<210> 5544
<211> 76
<212> PRT
<213> Homo sapiens

<400> 5544
Ile Val Gly Leu Phe His Met Cys Ser Leu Lys Tyr Leu Asn Asn His
1 5 10 15

Ser Phe His Ser Leu Phe Ser Ser Gln Ala Phe Ser Arg Ser Ser Met
20 25 30

Trp Ile Leu Lys Asp Leu Pro Ser Leu Thr Arg Ile Thr Phe Lys Gly
35 40 45

Asp Cys Phe Lys Ile Phe Leu Gln Ile Glu Ile Arg Thr Glu Arg Leu
50 55 60

Arg Asn Ile Val Tyr Phe Ala Lys Thr Arg Cys Leu
65 70 75

<210> 5545
<211> 117
<212> PRT
<213> Homo sapiens

<400> 5545
Glu Thr Leu Val Asn Trp Ser Thr Gly Glu Ser Tyr Lys Trp Pro Met
1 5 10 15

Ser Gln Lys Ser Trp Asp Leu Leu Pro Ala Ala Ala Asp Ala Asp Arg
20 25 30

Pro Trp Glu Ala Ala Val Leu Trp Arg Ser Trp Ser Ser Ser Phe Leu
35 40 45

Gly Leu Ala Trp Leu Pro Gln Lys Glu Gln Ser Gly Leu Glu Gly Ser
50 55 60

Ile Lys Phe Tyr Thr His Lys Leu Gln Leu Glu Val Ser Phe Leu Lys
65 70 75 80

Cys Pro Ala Phe Ala Gln Leu Phe Gln Ile Ile Ser Phe Leu Arg Leu
85 90 95

Trp Gln Val Ser Cys Pro Pro Ser Tyr Ser Ser Val Phe Thr Ser Ser
100 105 110

Arg Gln Gln Ser Gly
115

<210> 5546

<211> 67
<212> PRT
<213> Homo sapiens

<400> 5546
Val Gln Ile Asn His Pro Asp Leu Lys Val Asn Thr Phe Tyr Phe Ser
1 5 10 15

Phe Arg Ser Ile Thr Glu Tyr Ala Ala Phe Arg Tyr Arg Phe Asn Leu
20 25 30

Pro Asp Phe Leu Lys Ile Leu Tyr Phe Tyr Ile Ala Thr Thr Gly Leu
35 40 45

Leu Asn Met Gln Leu Asn Cys Tyr Leu Asn Lys Leu His Leu Met Glu
50 55 60

Lys Lys Lys
65

<210> 5547
<211> 315
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5547
Asn Ile Glu Gln Glu Asn Glu Lys Leu Lys Ala Glu Leu Glu Lys Leu
1 5 10 15

Lys Ala His Leu Gly His Gln Leu Ser Met His Tyr Glu Ser Lys Thr
20 25 30

Lys Gly Thr Glu Lys Ile Ile Ala Glu Asn Glu Arg Leu Arg Lys Glu
35 40 45

Leu Lys Lys Glu Thr Asp Ala Ala Glu Lys Leu Arg Ile Ala Lys Asn
50 55 60

Asn Leu Glu Ile Leu Asn Glu Lys Met Thr Val Gln Leu Glu Glu Thr
65 70 75 80

Gly Lys Arg Leu Gln Phe Ala Glu Ser Arg Gly Pro Gln Leu Glu Gly
85 90 95

```
Ala Asp Ser Lys Ser Trp Lys Ser Ile Val Val Thr Arg Met Tyr Glu
            100                 105                 110

Thr Lys Xaa Lys Glu Leu Glu Thr Asp Ile Ala Lys Lys Asn Gln Ser
        115                 120                 125

Ile Thr Asp Leu Lys Gln Leu Val Lys Glu Ala Thr Glu Arg Glu Gln
    130                 135                 140

Lys Val Asn Lys Tyr Asn Glu Asp Leu Glu Gln Gln Ile Lys Ile Leu
145                 150                 155                 160

Lys His Val Pro Glu Gly Ala Glu Thr Glu Gln Gly Leu Lys Arg Glu
                165                 170                 175

Leu Gln Val Leu Arg Leu Ala Asn His Gln Leu Asp Lys Glu Lys Ala
            180                 185                 190

Glu Leu Ile His Gln Ile Glu Ala Asn Lys Asp Gln Ser Gly Ala Glu
        195                 200                 205

Ser Thr Ile Pro Asp Ala Asp Gln Leu Lys Glu Lys Ile Lys Asp Leu
    210                 215                 220

Glu Thr Gln Leu Lys Met Ser Asp Leu Glu Lys Gln His Leu Lys Glu
225                 230                 235                 240

Glu Ile Lys Lys Leu Lys Lys Glu Leu Glu Asn Phe Asp Pro Ser Phe
                245                 250                 255

Phe Glu Glu Ile Glu Asp Leu Lys Tyr Asn Tyr Lys Glu Glu Val Lys
            260                 265                 270

Lys Asn Ile Leu Leu Glu Glu Lys Val Lys Lys Leu Ser Glu Gln Leu
        275                 280                 285

Gly Val Glu Leu Thr Ser Pro Val Ala Ala Ser Glu Glu Phe Glu Asp
    290                 295                 300

Glu Glu Glu Ser Pro Val Asn Phe Pro Ile Tyr
305                 310                 315
```

<210> 5548
<211> 191
<212> PRT
<213> Homo sapiens

<400> 5548
Gln Leu Asn Thr Ser Ser Thr Asn His Gln Leu Pro Ser Glu His Gln

```
  1               5                  10                  15

Thr Ile Leu Ser Ser Arg Asp Ser Arg Asn Ser Leu Arg Ser Asn Phe
            20                  25                  30

Ser Ser Arg Glu Ser Glu Ser Ser Arg Ser Asn Thr Gln Pro Gly Phe
        35                  40                  45

Ser Tyr Ser Ser Ser Arg Asp Glu Ala Pro Ile Ile Ser Asn Ser Glu
    50                  55                  60

Arg Val Val Ser Ser Gln Arg Pro Phe Gln Glu Ser Ser Asp Asn Glu
65                  70                  75                  80

Gly Arg Arg Thr Thr Arg Arg Leu Leu Ser Arg Ile Ala Ser Ser Met
                85                  90                  95

Ser Ser Thr Phe Phe Ser Arg Arg Ser Ser Gln Asp Ser Leu Asn Thr
            100                 105                 110

Arg Ser Leu Asn Ser Glu Asn Ser Tyr Val Ser Pro Arg Ile Leu Thr
        115                 120                 125

Ala Ser Gln Ser Arg Ser Asn Val Pro Ser Ala Ser Glu Val Pro Asp
    130                 135                 140

Asn Arg Ala Ser Glu Ala Ser Gln Gly Phe Arg Phe Leu Arg Arg Arg
145                 150                 155                 160

Trp Gly Leu Ser Ser Leu Ser His Asn His Ser Ser Glu Ser Asp Ser
                165                 170                 175

Glu Asn Phe Asn Gln Glu Ser Glu Gly Arg Asn Thr Gly Pro Trp
            180                 185                 190
```

<210> 5549
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5549

```
Ala Asn Thr Ser Thr Arg Ala Ala Leu Tyr Cys Leu Phe Leu Ser Phe
  1               5                  10                  15
```

```
Ile Met Phe Ala Ser Val Leu Gln Ile Asn Pro Arg Ser Trp Leu Met
            20                  25                  30

Lys Lys Val Ile Thr Val Leu Ala Ala Cys Leu Glu Ser Glu Asn Gln
        35                  40                  45

Asn Ala Gln Arg Ile Gly Ala Ala Xaa Leu Trp Ala Leu Ile Tyr Asn
    50                  55                  60

Tyr Gln Lys Ala Lys Thr Ala Leu Lys Ser Pro Ser Val Lys Arg Arg
65                  70                  75                  80

Val Asp Glu Ala Tyr Ser Leu Ala Lys Lys Thr Phe Pro Asn Ser Glu
                85                  90                  95

Ala Asn Pro Leu Asn Ala Tyr Tyr Leu Lys Cys Leu Glu Asn Leu Val
            100                 105                 110

Gln Leu Leu Asn Ser Ser Leu Ser Ala His Gly Met Pro Thr Pro
        115                 120                 125
```

<210> 5550
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5550

```
Leu Asn His Leu Gln Asn Ala Ser Thr Pro Gly Tyr Ser Lys Leu Pro
  1               5                  10                  15

Phe Gln Ile His Phe Gln Thr Ala Leu Thr Trp Ala Ser His Trp Xaa
            20                  25                  30

Ser Trp Leu Leu Val Gly Ala Ile Ser Cys Val Asp Pro Gln Val Arg
        35                  40                  45

Gly Pro Gly Pro Pro Ala Pro Pro Xaa Gln Arg Gly Glu Pro Ala Gln
    50                  55                  60
```

Phe Phe Trp Ser Leu Lys Cys Val Pro Leu Leu Val Ala Arg Ser Pro
65 70 75 80

Gln Trp Gly Gly Leu Thr Arg Thr Arg
85

<210> 5551
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5551
Ala Arg Gln Val Lys Ser Leu Arg Asp Pro Ser Ala Lys Met Ser Lys
1 5 10 15

Ser Asp Pro Asp Lys Leu Ala Thr Val Arg Ile Thr Asp Ser Pro Glu
20 25 30

Glu Ile Val Gln Lys Phe Arg Lys Ala Val Thr Asp Phe Thr Ser Glu
35 40 45

Val Thr Tyr Asp Pro Ala Gly Arg Ala Gly Val Ser Asn Ile Val Ala
50 55 60

Val His Ala Ala Val Thr Gly Leu Ser Val Glu Glu Val Val Arg Arg
65 70 75 80

Xaa Ala Gly Xaa Glu His Cys Ser Leu Gln Ala Gly Arg Gly Arg Cys
85 90 95

Cys Asp

<210> 5552
<211> 74
<212> PRT
<213> Homo sapiens

<400> 5552
Thr Glu Glu Val Asp Ser Val Ala Val Ser Val Leu Ala Leu Gly Ser
1 5 10 15

Arg Ile Gly Glu Leu Arg Ala Pro Ile Trp Asp Glu Glu Ser Arg Lys
20 25 30

Gln Leu Ser Ile Ser Ile Lys Arg Ala Glu Gln Pro Leu Ser Leu His
35 40 45

Pro Pro Ser Ala Leu Phe Ser Leu Pro Pro Ser Leu Leu Ser Phe His
50 55 60

Ser Val Tyr Val Ser Phe Gly Pro Ile Pro
65 70

<210> 5553
<211> 65
<212> PRT
<213> Homo sapiens

<400> 5553
Gly Thr Gly Ser Gln Cys Thr Gln His Gly Ala Ile Ser Asp Val Ile
1 5 10 15

Gln Arg Met Arg Gln Asp Lys Ser Tyr Cys Leu Ile Lys Gly Lys Leu
20 25 30

Gly Thr Gly Met Leu Phe Lys Leu Arg Lys Ile Phe Trp Gly Val Lys
35 40 45

Leu Asp Ser Thr Glu Ser Leu Glu Lys Leu Ala Trp Arg Glu Lys Arg
50 55 60

His
65

<210> 5554
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5554
Ala Pro Thr Asn Leu Phe Phe Phe Phe Phe Phe Glu Thr Glu Ser Gly
1 5 10 15

Cys Ala Ser His Phe Leu Ser Phe Xaa Xaa Ser Glu Leu Thr Glu Gln
20 25 30

Pro Gly Arg Cys Gly Phe Arg Ser Leu Xaa Leu Ser Xaa Cys Ala Lys
35 40 45

Cys Trp Gly Arg Arg Xaa Gln Arg Val Asp Ser Gly Met Val Pro Ala
50 55 60

Ala Ser His Phe Tyr Ala Lys Pro Asp Phe Xaa Ser His Pro Gly Gly
65 70 75 80

Gln Phe

<210> 5555
<211> 47
<212> PRT
<213> Homo sapiens

<400> 5555
Ile Phe Ile Ile Glu Val Ser Phe Pro Leu Gly Ile Ser Leu Ser Leu
1 5 10 15

Phe Phe Phe Asn Glu Asn Gln Ser Thr Glu Tyr Phe Val Ser Pro Arg
20 25 30

Lys Thr Pro Gln Leu Ser Ile Met Leu Ser Thr Arg Glu Lys Leu
35 40 45

<210> 5556
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5556
Gly Asn Cys Gln Lys Cys Ala Phe Gly Tyr Ser Gly Leu Asp Cys Lys
1 5 10 15

Asp Lys Phe Gln Leu Ile Leu Thr Ile Val Gly Thr Ile Ala Gly Ile
20 25 30

Val Ile Leu Ser Met Ile Ile Ala Leu Ile Val Thr Ala Arg Ser Asn
35 40 45

Asn Lys Thr Lys His Ile Glu Glu Glu Asn Leu Ile Asp Glu Asp Phe
50 55 60

Gln Asn Leu Lys Leu Arg Ser Thr Gly Phe Thr Asn Leu Gly Ala Glu
65 70 75 80

Gly Ser Val Phe Pro Lys Val Arg Ile Thr Ala Ser Arg Asp Ser Gln
85 90 95

Met Gln Asn Pro Tyr Ser Xaa His Ser Ser Met Pro Arg Pro Asp Tyr
100 105 110

<210> 5557

<211> 152
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5557

```
Phe Thr Ala Arg Ser Pro Trp Glu Tyr Thr Asn Leu Cys Ser Arg Gln
  1               5                  10                  15

Leu Gly Ala Ser Leu Leu Glu Thr Val Leu Ile Phe Phe Phe Leu Ser
             20                  25                  30

Glu Phe Gln Leu Ile Leu Thr Ile Val Gly Thr Ile Ala Gly Ile Val
         35                  40                  45

Ile Leu Ser Met Ile Ile Ala Leu Ile Val Thr Ala Arg Ser Asn Asn
     50                  55                  60

Lys Thr Lys His Ile Glu Glu Glu Asn Leu Ile Asp Glu Asp Phe Gln
 65                  70                  75                  80

Asn Leu Lys Leu Arg Ser Thr Gly Phe Thr Asn Leu Gly Ala Glu Gly
                 85                  90                  95

Ser Val Phe Pro Lys Val Arg Ile Thr Ala Ser Arg Asp Ser Gln Met
            100                 105                 110

Gln Asn Pro Tyr Ser Ser His Thr Gln Lys Lys Lys Lys Lys Lys Lys
        115                 120                 125

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Lys
    130                 135                 140

Lys Lys Xaa Lys Lys Lys Xaa Gly
145                 150
```

<210> 5558
<211> 169
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5558

Phe	Phe	Phe	Xaa	Val	Xaa	Glu	Lys	Ser	Ile	Leu	Leu	Val	Ser	Leu	Xaa
1				5					10						15
Val	Cys	Leu	Val	Leu	Ser	Glu	Ile	Pro	Phe	Met	Ser	Thr	Trp	Phe	Leu
			20					25					30		
Leu	Val	Ser	Thr	Phe	Ser	Met	Leu	Pro	Leu	Leu	Xaa	Lys	Asp	Glu	Leu
		35					40					45			
Leu	Met	Pro	Ser	Val	Val	Thr	Thr	Met	Ala	Phe	Phe	Ile	Ala	Cys	Val
	50					55					60				
Thr	Ser	Phe	Ser	Ile	Phe	Glu	Lys	Thr	Ser	Glu	Glu	Glu	Leu	Gln	Leu
65					70					75					80
Lys	Ser	Phe	Ser	Ile	Ser	Val	Arg	Lys	Tyr	Leu	Pro	Cys	Phe	Thr	Phe
				85					90					95	
Leu	Ser	Arg	Ile	Ile	Gln	Tyr	Leu	Phe	Leu	Ile	Ser	Val	Ile	Thr	Met
			100					105					110		
Val	Leu	Leu	Thr	Leu	Met	Thr	Val	Thr	Leu	Asp	Pro	Pro	Gln	Lys	Leu
		115					120					125			

```
Pro Asp Leu Phe Ser Val Leu Val Cys Phe Val Ser Cys Leu Asn Phe
    130                 135                 140

Leu Phe Phe Leu Val Tyr Phe Asn Ile Ile Ile Met Trp Asp Ser Lys
145                 150                 155                 160

Ser Gly Arg Asn Gln Lys Lys Ile Ser
                165
```

<210> 5559
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5559

```
Gly Trp Arg His Gly Gly Glu His His Gln Asp His Val Glu Leu Gly
  1               5                  10                  15

Arg Asp Cys Pro Pro Lys Lys Asn Ile Gly Pro Leu Gln Ala Gln Pro
            20                  25                  30

Pro Leu Pro Leu Glu Phe Phe Ser Gln Ala Gln Cys Gln Lys Phe Ser
        35                  40                  45

Leu Gly Trp Xaa Gln Ile Cys Xaa Thr Gly Phe Pro Xaa Ser Ser Thr
    50                  55                  60

Leu Pro Pro
65
```

<210> 5560
<211> 115

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5560
Ser Ser Lys Cys Gly Phe Ser Cys Ile Ser Gln Ile Gly Arg Pro Gly
1 5 10 15

Val Val Gly Val Pro Gly Gly Arg Leu Trp Ala Gly Ser Gln Asp Pro
20 25 30

Pro Phe Leu Gly Gly Asp Arg Ala Cys Gly Ala Ala Pro Arg Asn Val
35 40 45

Arg Arg Lys Arg Glu Arg Ala Leu Ala Pro Ser Ala Ser Cys Leu Arg
50 55 60

Cys Trp Arg Leu Pro Ile Arg Trp Phe Tyr Pro Gln Thr Pro Gly His
65 70 75 80

Arg Glu Ser Arg Arg Lys Gly Gln Pro Arg Ile Pro Ala Gly Phe Leu
85 90 95

His Arg Gly Ala Ser Gln Phe Leu His Leu Ile Phe Xaa Ser Cys Gly
100 105 110

Arg Cys Tyr
115

<210> 5561
<211> 210
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (171)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (179)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (193)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (197)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5561

```
Glu Glu Ala Ala Lys Ala Ala Gly Thr His Phe Thr Ser Gln Gln Leu
  1               5                  10                  15

Gln Glu Leu Glu Ala Thr Phe Gln Arg Asn Arg Tyr Pro Asp Met Ser
             20                  25                  30

Thr Arg Glu Glu Ile Ala Val Trp Thr Asn Leu Thr Glu Ala Arg Val
         35                  40                  45

Arg Val Trp Phe Lys Asn Arg Arg Ala Lys Trp Arg Lys Arg Glu Arg
     50                  55                  60

Asn Gln Gln Ala Glu Leu Cys Lys Asn Gly Phe Gly Pro Gln Phe Asn
 65                  70                  75                  80

Gly Leu Met Gln Pro Tyr Asp Asp Met Tyr Pro Gly Tyr Ser Tyr Asn
                 85                  90                  95

Asn Trp Ala Ala Lys Gly Leu Thr Ser Ala Ser Leu Ser Thr Lys Ser
            100                 105                 110

Phe Pro Phe Phe Asn Ser Met Asn Val Asn Pro Leu Ser Ser Gln Ser
        115                 120                 125

Met Phe Ser Pro Pro Asn Ser Ile Xaa Ser Met Ser Met Xaa Ser Ser
    130                 135                 140
```

Met Val Pro Ser Ala Val Thr Gly Val Pro Gly Ser Ser Leu Asn Ser
145 150 155 160

Leu Asn Asn Leu Asn Asn Leu Ser Ser Pro Xaa Leu Asn Ser Ala Val
165 170 175

Pro Thr Xaa Ala Cys Pro Tyr Ala Pro Pro Thr Ser Ser Val Cys Leu
180 185 190

Xaa Gly His Val Xaa Ser Ser Leu Ala Ser Leu Arg Leu Lys Ala Lys
195 200 205

Gln Xaa
210

<210> 5562
<211> 101
<212> PRT
<213> Homo sapiens

<400> 5562
Thr Leu Thr Val Gln Val Val His Cys Asn Glu Val Thr His Ile Cys
1 5 10 15

Trp Leu His Lys Leu Gln Val Leu Leu Ser Gln Tyr Gly Thr Leu Asn
20 25 30

Cys Asp Val Val Gln Gln Leu Pro Ala Ser Ser Gln Leu Ile Arg Cys
35 40 45

Glu Tyr Phe Gly Leu Asp Leu Gln Pro Asp Ala Val Leu Gln Pro Lys
50 55 60

Lys Lys Val Glu Pro Met Ile Lys Asn Cys Ser Gln Asp Glu Pro Gly
65 70 75 80

Lys Lys Ser Ala Lys Leu Pro Trp Arg Ser Ala Gly Thr Leu Val Met
85 90 95

Thr Gly Ile Thr Pro
100

<210> 5563
<211> 117
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5563
Ile Pro Pro Ala Gln Leu Trp Gln Arg Leu Leu Ala Leu Val Ile Ser
1 5 10 15

Ser Ile Ile Gln Ile His Tyr His Pro Asn Pro Ser Pro Ile Phe Gly
20 25 30

Leu Gly Glu Lys Asn Met Asn Tyr Asp Asp Arg Thr Ser Ser Lys Pro
35 40 45

Ser Pro Val Leu Ser Glu Tyr Pro Phe Trp Gly Cys Ile Pro Gln Lys
50 55 60

Pro Ile Trp Gly Pro Ile Ser Met Tyr Thr Glu Leu Lys Phe Gln Val
65 70 75 80

Pro Leu Cys Ile Lys Arg Ser Gln Asn Phe Gly Gln Ala Xaa Gly Thr
85 90 95

Leu Lys Ser His Gln Cys Asn Tyr Thr Leu Glu Ile Ile Asn Pro Ser
100 105 110

His Asp Tyr Ile Ser
115

<210> 5564
<211> 55
<212> PRT
<213> Homo sapiens

<400> 5564
Leu Pro Val Phe Glu Asp Val Gly Arg Val Cys Lys Tyr Ser Ala Phe
1 5 10 15

Pro Leu Thr His Ala Gly Glu Asp Ala Ser Ser Leu Ala Pro Ala Val
20 25 30

Arg Ala Gln Ile Ala Arg Val Lys Thr Ser Ser Leu Gly Arg Glu Val
35 40 45

Cys Arg Gly Leu Glu Val Ile
50 55

BNSDOCID: <WO 0122920A2 I >

<210> 5565
<211> 47
<212> PRT
<213> Homo sapiens

<400> 5565
Lys Leu Lys Glu Ile Lys Lys Leu Leu Glu Glu Asn Ala Gly Ile Asn
1 5 10 15

Leu Tyr Asp Leu Arg Leu Gly Ser Gly Phe Leu Asp Met Thr Pro Lys
20 25 30

Ala Lys Gln Gln Lys Lys Glu Asn Leu Lys Trp Met Ser Ser Glu
35 40 45

<210> 5566
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5566
Gly Pro Val Leu His Gln Arg Ile Leu Ile Ser Ala Ser Gly Val Gly
1 5 10 15

Glu Xaa Arg Xaa Ile Tyr Ile Gly Gln Asn Arg Gly Val Glu Gln Asp
20 25 30

Tyr Ser Ile Phe
35

<210> 5567
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5567
Pro Gly Ala Val Val Gly Val Xaa Arg Val Met Thr Trp Ser Gly Trp
1 5 10 15

Ala Trp Ala Asp Val His Ile Val Cys Thr Leu Asp Pro Trp Pro Arg
20 25 30

Arg Thr Gln Ile Leu Thr Ser Arg Asn Phe His Leu Met Asn Ile Met
35 40 45

Arg Ile Gly Gly Lys Glu Asn Ser Leu Tyr Arg Ile Asn Pro Ser Phe
50 55 60

Leu Gln Gly
65

<210> 5568
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5568
Glu Asn Ala Phe Gln Asp Leu Ser Ser Thr His Pro Leu Ser Leu Pro
1 5 10 15

Gln Pro His Ile Trp Gly His Asn Ser Thr Cys Val Lys Asp Asn Leu
20 25 30

Leu Leu Phe Thr Glu Pro Pro Gly Ile Gln Asp Asn Lys Xaa Leu His
35 40 45

Xaa Asp Gln Gln Val Ser Phe Ser Ala Pro Ser Phe Ile Thr Pro Phe
50 55 60

Phe Pro Ser Glu Val His Thr His Pro Tyr Met Ala Ala Val Gly Ile
65 70 75 80

Ser Thr Gly

<210> 5569
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5569
Met Val Leu Ser Pro Ser Gly Val Ser Lys Cys Ile Arg Lys Gln Asn
1 5 10 15

Ser Val Val Ser His Ser Ser Leu Cys Ala Arg Cys Leu Arg Arg Gly
20 25 30

Ser Tyr Arg Ser Pro Arg Xaa Asn Gln Ala His Leu Ser Leu Gly Val
35 40 45

Gly Gln Ser Gly Lys Ala Phe Trp Lys Met
50 55

<210> 5570
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5570
Ser His Thr Thr Lys Asn Thr Asp Phe Thr Asp Leu Val Leu Glu Asn
1 5 10 15

BNSDOCID: <WO _ 0122920A2 I >

His Tyr Thr Asn Ser Asn Asn Asn Ala Pro Gly Thr Lys Gly Glu Glu
20 25 30

Met Ser Ser Arg Val Gly Ile Leu Phe Lys Cys Leu Val Phe Asn Lys
35 40 45

Asn Asn Tyr Lys Thr Gln Ser Lys Thr Arg Lys Tyr Gly Pro Tyr Pro
50 55 60

Gly Lys Asn Lys Gln Pro Ile Glu Ala Val Leu Glu Glu Val Asn Ile
65 70 75 80

Leu Asp Leu Leu Glu Asn Asp Phe Asn Xaa Ser Ile Ile Asn Met Phe
85 90 95

Xaa Lys Leu Lys Glu Ala Arg Cys Gly Gly Ser Arg Leu
100 105

<210> 5571
<211> 101
<212> PRT
<213> Homo sapiens

<400> 5571
Asn Asp Asn Lys Gly Phe Arg Thr Ile Thr Ala Ser Ala Pro Gly Pro
1 5 10 15

Thr Pro Ser Ser Glu Arg Arg Ser Val Val Gly Asn Met Leu Ser Asn
20 25 30

Ser Val Thr Cys Tyr Arg Gly Ile Phe Gly Glu Arg Lys Ser Gln Cys
35 40 45

Gly Lys Leu His Cys Cys Leu Ile Leu Ile Ala Thr Ala Thr Ser Thr
50 55 60

Phe Ser Asn His His Pro Asp Ser Val Ser Ser His Gln His Gln Gly
65 70 75 80

Glu Thr Leu Tyr His Gln Lys Asp Tyr Asn Leu Leu Lys Ala Gln Met
85 90 95

Ile Ile Ser Ile Phe
100

<210> 5572

<211> 40
<212> PRT
<213> Homo sapiens

<400> 5572
Asp Arg His Ala Leu Gln Ile Phe Leu Tyr Lys Ser Gly Ser Leu Phe
1 5 10 15

Pro Ile Val Leu Thr Leu Arg Leu Ser Val Gly Leu Pro Ile Arg Phe
20 25 30

Thr Ala Val Gln Val His Lys Met
35 40

<210> 5573
<211> 59
<212> PRT
<213> Homo sapiens

<400> 5573
Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His
1 5 10 15

Ala Ser Ala Lys Ile Arg Thr Ala His Arg Arg Val Met Ile Leu Asn
20 25 30

His Pro Asp Lys Gly Gly Ser Pro Tyr Val Ala Ala Lys Ile Asn Glu
35 40 45

Ala Lys Asp Leu Leu Glu Thr Thr Thr Lys His
50 55

<210> 5574
<211> 51
<212> PRT
<213> Homo sapiens

<400> 5574
Ser Lys Asp Leu Val Phe Phe Thr Gln His Val Ser Arg Ile His Lys
1 5 10 15

Phe Tyr Cys Phe Ile Ala Val Ile Phe Ile Asp Val Tyr Phe Ile Val
20 25 30

Gly Leu Tyr Asn Ile Leu Leu Arg Asn Thr Tyr Ile Tyr Asn Lys Leu
35 40 45

Tyr Ile Phe
50

<210> 5575
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5575
Tyr Cys Ser Phe Ser Ser Phe Phe Ala Val Ala Ser Ser Ser Leu Val
1 5 10 15

Lys Thr Leu Lys Lys Asn Thr Ala Leu Pro Trp Glu Ile Ile Thr Leu
20 25 30

Pro Asn Thr Pro Leu Val Gly Asn Lys Arg Phe Tyr Gly Thr Xaa Xaa
35 40 45

Lys Lys Xaa Ser Thr Cys Pro Phe Phe Leu Pro Val
50 55 60

<210> 5576
<211> 72
<212> PRT
<213> Homo sapiens

<400> 5576
Ser Ser Gln Ile Lys Pro Pro Glu Ser Pro His Tyr Lys Ile Gln Ser
1 5 10 15

Tyr His Ala Ser Leu Pro Ser Val Tyr Lys Ile Cys Pro Ser Leu Gln
20 25 30

Leu Gly Glu Thr Asp Leu Gly Gln Thr Pro Val Ser Leu Leu Gly Cys
35 40 45

Leu Ala Ile Asn Phe Ser Leu Tyr Lys Thr Pro Val Leu Gln Cys Leu
50 55 60

Val Phe Gln Cys Glu Pro Gly Asn
65 70

<210> 5577
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5577
Val Leu Asn Lys Ser Leu Leu Tyr Glu Asn Lys Gln Tyr Phe Leu Tyr
1 5 10 15

Leu Ser Phe Gly Cys Ile Phe Pro Tyr Phe Val Ile Ser Phe Phe Leu
20 25 30

Thr Phe Tyr Xaa Xaa Ile Leu Thr Leu Phe Leu Ser Phe Ala Ser Val
35 40 45

Phe Pro Arg Arg Val Leu Trp Leu Lys Cys Ile Thr Cys Lys Ile Glu
50 55 60

<210> 5578
<211> 43
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5578
Met Asp Xaa Gln Thr Asn Gly Thr Lys Leu Arg Ser Gln Ile Glu Ile
1 5 10 15

Asn Gln Ser Val Asp Leu Leu Ile Tyr Gly Asn Val Phe Cys Glu Ile
20 25 30

Tyr Gln Leu Met Gly Lys Arg Leu Phe Lys Thr
35 40

<210> 5579
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2 I >>

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5579

Thr Ser Gly Ile Gly Thr Ser Pro Ser Leu Arg Ser Leu Gln Ser Leu
1 5 10 15

Leu Gly Pro Ser Ser Lys Phe Arg His Ala Gln Gly Thr Val Leu His
20 25 30

Arg Asp Ser His Ile Thr Asn Leu Lys Gly Leu Asn Leu Thr Thr Pro
35 40 45

Gly Glu Ser Asp Gly Phe Cys Ala Asn Lys Leu Arg Val Ala Val Pro
50 55 60

Leu Leu Ser Ser Xaa Xaa Gln Val Ala Val Leu Glu Leu Arg Lys Pro
65 70 75 80

Gly Arg Leu Pro Asp Thr Ala Leu Pro Thr Leu Gln Asn Gly Ala Ala
85 90 95

Val Thr Asp Leu Ala Trp Asp Pro Phe Asp Pro His Arg Leu Ala Val
100 105 110

```
Ala Gly Glu Asp Ala Xaa Ile Arg Leu Trp Xaa Val Pro Ala Xaa Gly
        115                 120                 125

Xaa Xaa Arg Xaa Xaa His Xaa Xaa Xaa Asn Cys Ala Tyr Lys Ala
    130                 135                 140
```

<210> 5580
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5580

```
Ser Asn Ser Leu Gln Val Trp Gly Trp Gln Ile Leu Ala Pro Leu Lys
  1               5                  10                  15

Trp Ile Pro His Ala His Ala Ser Leu Phe Phe Ser Val Ala Arg Gly
            20                  25                  30

Xaa Met Asp Lys Pro Lys Leu Gln Leu Lys Thr Xaa His Arg Pro Gly
        35                  40                  45

Thr Val Thr His Ala Phe Asn Ile Ser Thr Leu Gly Xaa Gln Gly Gly
    50                  55                  60

Arg Ile Thr
65
```

<210> 5581
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5581
Gly Leu Pro Lys Ala Gln Gln Glu Gln Leu Leu Leu Ile Leu Gln Xaa
1 5 10 15

Pro Xaa Pro Arg Pro Ala Phe His Pro Lys Pro His Leu Val Ser Met
20 25 30

Ser Ile Ser Thr Val Trp Pro Ser Cys Asp Cys Ser Leu Ala Ala Thr
35 40 45

Pro Ser Val Ile Pro His Ser Glu Ser Ser Phe Ser Gly Ser Leu Ala
50 55 60

Phe Ser
65

<210> 5582
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5582
Ser Leu Ile Ser Asp Ala Leu Arg Phe Leu Arg Ser Glu Met Ile Lys
1 5 10 15

Leu Tyr Ser Leu Val Tyr Trp Tyr Phe Phe Thr Ser Ser Glu Ile Gly
20 25 30

Xaa Met Leu Tyr Val Arg Arg Ala Phe Phe Lys Leu Cys Cys Phe Glu
35 40 45

His Val Tyr Leu Phe
50

<210> 5583
<211> 58
<212> PRT
<213> Homo sapiens

<400> 5583
Gln Gly Lys Lys Ser Ala Val Cys Leu Val Phe Ile Phe Val Phe Thr
1 5 10 15

Gln Val Gly Leu Leu Phe Glu Thr Phe Phe Leu Asn Lys Arg Ser Tyr
20 25 30

Lys Val Phe Thr Phe Ser Pro Ser Lys Asn Pro Ile Phe Leu Glu Phe
35 40 45

Gly Leu Ser Ile Ile Ser Gly Ile Lys Glu
50 55

<210> 5584
<211> 78
<212> PRT
<213> Homo sapiens

<400> 5584
Thr Thr Val Asn Ile His Val Gly Gly Gly Gly Arg Leu Arg Pro Ala
1 5 10 15

Lys Ala Gln Val Arg Leu Asn His Pro Ala Leu Leu Ala Ser Thr Gln
20 25 30

Glu Ser Met Gly Leu His Arg Ala Gln Gly Leu Leu Met Pro Pro Ser
35 40 45

Thr Cys Glu Pro Gly His Glu Ala Ser Leu Lys Gln Gly Phe Gln Pro
50 55 60

Asp Ala Ile Asp Pro Gln Asn Leu Thr Trp Lys Ser Arg His
65 70 75

<210> 5585
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5585
Ile Ser Lys Gln Leu Tyr Phe Phe Ile Gln Ala Cys His Cys Glu Pro
1 5 10 15

Val Leu Ile Val Ser Glu Leu Phe Val Xaa Pro Glu Phe Cys Leu Leu
20 25 30

Ile Ser Phe Gln Leu His Ser Xaa Ser Phe Phe Asn Cys Val Gly Gly
35 40 45

Lys Asn Asn Gly Arg Asn
50

<210> 5586
<211> 89
<212> PRT
<213> Homo sapiens

<400> 5586
Leu Tyr Ser Phe Ser Ser Leu Leu Pro Leu Ser Pro Arg Trp Lys Lys
1 5 10 15

Arg Thr Asn Val Glu Thr Pro Glu Gly Val Gln Leu Asp Gln Gly Asp
20 25 30

Ile Arg His Leu Thr Val Phe Ser Val Cys Pro Ser Leu Tyr Ser Asn
35 40 45

Val Arg Asn Gly Ser Val Phe Phe Phe Thr Phe Ile Gly Ser Ser Tyr
50 55 60

Phe Ser Thr Leu Phe Leu Met Cys Ser Phe Phe Asn Trp Leu Val Phe
65 70 75 80

Pro Tyr Tyr Leu Gln Leu Tyr Gly Leu
85

<210> 5587
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5587
Gln Lys Asn Pro Leu Met Val Cys Phe Leu Tyr Trp Ala Thr Gln Trp
1 5 10 15

Cys Xaa Lys Val Tyr Met Lys Pro Gln Cys Lys Gln Gly Leu Ser Ser
20 25 30

Gln Asp Ile Asn Phe Asp Arg Lys Xaa Cys Val Phe Met Cys Val Cys
35 40 45

Val Ser Gly Cys Asn
50

<210> 5588
<211> 46
<212> PRT
<213> Homo sapiens

<400> 5588
Phe Cys Lys Tyr Asn Asn Asn Ser Asn Asn Thr Ile Leu Ser Phe Lys
1 5 10 15

Lys Leu Pro Ile His Phe Ser Asn Leu Thr Val Ser Gly Gly Val Tyr
20 25 30

Val Cys Leu Cys Phe His Leu Cys Asn Gly Cys Leu Ile Ile
35 40 45

<210> 5589
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5589
Cys Leu Thr Met Ala Ser Glu His Val Lys Cys Thr Tyr Ile Leu Gln
1 5 10 15

Pro Lys Thr Val Cys Ile Lys Leu Gln Pro Ser Ile Ile Lys Phe Xaa
20 25 30

Val Gln Phe Gln Asp Gly Asn Gln Gly Phe Phe Phe Arg Asp Val Lys
35 40 45

Lys Ser Pro Ser Xaa Ile Ile Leu Asn Leu
50 55

<210> 5590
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5590
Gln Leu Asn Phe Met Asn Met Phe Val Lys Leu Leu Phe Tyr Ile Ser
1 5 10 15

Cys Gln Ile Glu Lys Phe Ile Ser Ser Leu Leu Tyr Leu Trp Lys Tyr
20 25 30

Lys Pro Phe Tyr Arg Lys Lys Ser Ser Lys Thr Ile Lys Trp Ile Ser
35 40 45

```
Ala Cys Phe Val Ser His Cys Leu Gln Ile Leu Trp Leu Ser Xaa Gly
     50                  55                  60

His Arg Ala Leu Val Gly Cys Thr Gly Xaa Pro Ile Phe Pro
 65                  70                  75
```

<210> 5591
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5591

```
Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Xaa
  1               5                  10                  15

Thr Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
            20                  25                  30

Gly Thr Ala Lys Val Tyr Gly Met Val Cys
        35                  40
```

<210> 5592
<211> 502
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5592

```
Pro Val Ala Ala Val Ser Gly Arg Ala Val Gly Gly Ser Arg Gly Gly
  1               5                  10                  15

Gly Arg Gly Gly Met Ala Ala Ala Ala Ala Gly Ala Gly Ser Gly Pro
            20                  25                  30
```

BNSDOCID: <WO__0122920A2_I_>

Trp Ala Ala Gln Glu Lys Gln Phe Pro Pro Ala Leu Leu Ser Phe Phe
35 40 45

Ile Tyr Asn Pro Arg Phe Gly Pro Arg Glu Gly Gln Glu Glu Asn Lys
50 55 60

Ile Leu Phe Tyr His Pro Asn Glu Val Glu Lys Asn Glu Lys Ile Arg
65 70 75 80

Asn Val Gly Leu Cys Glu Ala Ile Val Gln Phe Thr Arg Thr Phe Ser
85 90 95

Pro Ser Lys Pro Ala Lys Ser Leu His Thr Gln Lys Asn Arg Gln Phe
100 105 110

Phe Asn Glu Pro Glu Glu Asn Phe Trp Met Val Met Val Val Arg Xaa
115 120 125

Pro Ile Ile Glu Lys Gln Ser Lys Asp Gly Lys Pro Val Ile Glu Tyr
130 135 140

Gln Glu Glu Glu Leu Leu Asp Lys Val Tyr Ser Ser Val Leu Arg Gln
145 150 155 160

Cys Tyr Ser Met Tyr Lys Leu Phe Asn Gly Thr Phe Leu Lys Ala Met
165 170 175

Glu Asp Gly Gly Val Lys Leu Leu Lys Glu Arg Leu Glu Lys Phe Phe
180 185 190

His Arg Tyr Leu Gln Thr Leu His Leu Gln Ser Cys Asp Leu Leu Asp
195 200 205

Ile Phe Gly Gly Ile Ser Phe Phe Pro Leu Asp Lys Met Thr Tyr Leu
210 215 220

Lys Ile Gln Ser Phe Ile Asn Arg Met Glu Glu Ser Leu Asn Ile Val
225 230 235 240

Lys Tyr Thr Ala Phe Leu Tyr Asn Asp Gln Leu Ile Trp Ser Gly Leu
245 250 255

Glu Gln Asp Asp Met Arg Ile Leu Tyr Lys Tyr Leu Thr Thr Ser Leu
260 265 270

Phe Pro Arg His Ile Glu Pro Glu Leu Ala Gly Arg Asp Ser Pro Ile
275 280 285

Arg Ala Glu Met Pro Gly Asn Leu Gln His Tyr Gly Arg Phe Leu Thr
290 295 300

```
Gly Pro Leu Asn Leu Asn Asp Pro Asp Ala Lys Cys Arg Phe Pro Lys
305                 310                 315                 320

Ile Phe Val Asn Thr Asp Asp Thr Tyr Glu Glu Leu His Leu Ile Val
                325                 330                 335

Tyr Lys Ala Met Ser Ala Ala Val Cys Phe Met Ile Asp Ala Ser Val
            340                 345                 350

His Pro Thr Leu Asp Phe Cys Arg Arg Leu Asp Ser Ile Val Gly Pro
        355                 360                 365

Gln Leu Thr Val Leu Ala Ser Asp Ile Cys Glu Gln Phe Asn Ile Asn
    370                 375                 380

Lys Arg Met Ser Gly Ser Glu Lys Glu Pro Gln Phe Lys Phe Ile Tyr
385                 390                 395                 400

Phe Asn His Met Asn Leu Ala Glu Lys Ser Thr Val His Met Arg Lys
                405                 410                 415

Thr Pro Ser Val Ser Leu Thr Ser Val His Pro Asp Leu Met Lys Ile
            420                 425                 430

Leu Gly Asp Ile Asn Ser Asp Phe Thr Arg Val Asp Glu Asp Glu Glu
        435                 440                 445

Ile Ile Val Lys Ala Met Ser Asp Tyr Trp Val Val Gly Lys Lys Ser
    450                 455                 460

Asp Arg Arg Glu Leu Tyr Val Ile Leu Asn Gln Lys Asn Ala Asn Leu
465                 470                 475                 480

Ile Glu Val Asn Glu Glu Val Lys Lys Leu Cys Ala Thr Gln Phe Asn
                485                 490                 495

Asn Ile Phe Phe Leu Asp
            500
```

<210> 5593
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2_I_>

<400> 5593
Asn Pro Gly Ile Leu Ser Pro Ser Asn Leu Lys Val Phe Lys Leu Ile
1 5 10 15

Leu Phe Tyr Val Phe Leu Ala Val Tyr Val Leu Leu Lys Ser Leu Ser
20 25 30

Phe Cys Val Lys Ile Cys Leu Ser Leu Leu His Phe Thr Ala Ser Lys
35 40 45

Ile Lys Asn Thr Tyr Ile Leu Leu Xaa Ile Asp Ala Ser Lys
50 55 60

<210> 5594
<211> 453
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (327)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5594
Ser Ile Phe Arg Val Ser Pro Gly Phe Arg Ile Ala Met Ile Ile Pro
1 5 10 15

Ser Leu Glu Glu Leu Asp Ser Leu Lys Tyr Ser Asp Leu Gln Asn Leu
20 25 30

Ala Lys Ser Leu Gly Leu Arg Ala Asn Leu Arg Ala Thr Lys Leu Leu
35 40 45

Lys Ala Leu Lys Gly Tyr Ile Lys His Glu Ala Arg Lys Gly Asn Glu
50 55 60

Asn Gln Asp Glu Ser Gln Thr Ser Ala Ser Ser Cys Asp Glu Thr Glu
65 70 75 80

Ile Gln Ile Ser Asn Gln Glu Glu Ala Glu Arg Gln Pro Leu Gly His
85 90 95

Val Thr Lys Thr Arg Arg Arg Cys Lys Thr Val Arg Val Asp Pro Asp
100 105 110

Ser Gln Gln Asn His Ser Glu Ile Lys Ile Ser Asn Pro Thr Glu Phe
115 120 125

```
Gln Asn His Glu Lys Gln Glu Ser Gln Asp Leu Arg Ala Thr Ala Lys
    130                 135                 140

Val Pro Ser Pro Pro Asp Glu His Gln Glu Ala Glu Asn Ala Val Ser
145                 150                 155                 160

Ser Gly Asn Arg Asp Ser Lys Val Pro Ser Glu Gly Lys Lys Ser Leu
                165                 170                 175

Tyr Thr Asp Glu Ser Ser Lys Pro Gly Lys Asn Lys Arg Thr Ala Ile
            180                 185                 190

Thr Thr Pro Asn Phe Lys Lys Leu His Glu Ala His Phe Lys Glu Met
        195                 200                 205

Glu Ser Ile Asp Gln Tyr Ile Glu Arg Lys Lys Lys His Phe Glu Glu
    210                 215                 220

His Asn Ser Met Asn Glu Leu Lys Gln Gln Pro Ile Asn Lys Gly Gly
225                 230                 235                 240

Val Arg Thr Pro Val Pro Pro Arg Gly Arg Leu Ser Val Ala Ser Thr
                245                 250                 255

Pro Ile Ser Gln Arg Arg Ser Gln Gly Arg Ser Cys Gly Pro Ala Ser
            260                 265                 270

Gln Ser Thr Leu Gly Leu Lys Gly Ser Leu Lys Arg Ser Ala Ile Ser
        275                 280                 285

Ala Ala Lys Thr Gly Val Arg Phe Ser Ala Ala Thr Lys Asp Asn Glu
    290                 295                 300

His Lys Arg Ser Leu Thr Lys Thr Pro Ala Arg Lys Ser Ala His Val
305                 310                 315                 320

Thr Val Ser Gly Gly Thr Xaa Lys Gly Glu Ala Val Leu Gly Thr His
                325                 330                 335

Lys Leu Lys Thr Ile Thr Gly Asn Ser Ala Ala Val Ile Thr Pro Phe
            340                 345                 350

Lys Leu Thr Thr Glu Ala Thr Gln Thr Pro Val Ser Asn Lys Lys Pro
        355                 360                 365

Val Phe Asp Leu Lys Ala Ser Leu Ser Arg Pro Leu Asn Tyr Glu Pro
    370                 375                 380

His Lys Gly Lys Leu Lys Pro Trp Gly Gln Ser Lys Glu Asn Asn Tyr
385                 390                 395                 400
```

BNSDOCID: <WO__0122920A2_I_>

```
Leu Asn Gln His Val Asn Arg Ile Asn Phe Tyr Lys Lys Thr Tyr Lys
                405                 410                 415

Gln Pro His Leu Gln Thr Lys Glu Glu Gln Arg Lys Lys Arg Glu Gln
            420                 425                 430

Glu Arg Lys Glu Lys Lys Ala Lys Val Leu Gly Met Arg Arg Gly Leu
        435                 440                 445

Ile Leu Ala Glu Asp
    450
```

<210> 5595
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5595

```
Leu Leu Lys Lys Lys Ser Gly Glu Glu Arg Tyr Leu Ser Asn Leu Leu
  1               5                  10                  15

Asn Leu Tyr Lys Thr Leu His Cys Arg Gly Gly Ala Thr Pro Lys Tyr
            20                  25                  30

Phe His Asp Leu His Gly Leu Ile Arg Phe Phe Phe Phe Tyr Thr Ile
        35                  40                  45

Leu Ala Thr Phe Ser Met Glu Lys Arg Gln Phe Thr Gln Phe Pro Xaa
    50                  55                  60
```

<210> 5596
<211> 307
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (300)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5596

```
His Thr Lys Lys Met Ser Met Leu Lys Pro Ser Gly Leu Lys Ala Pro
 1               5                  10                  15

Thr Lys Ile Leu Lys Pro Gly Ser Thr Ala Leu Lys Thr Pro Thr Ala
            20                  25                  30

Val Val Ala Pro Val Glu Lys Thr Ile Ser Ser Glu Lys Ala Ser Ser
        35                  40                  45

Thr Pro Ser Ser Glu Thr Gln Glu Glu Phe Val Asp Asp Phe Arg Val
    50                  55                  60

Gly Glu Arg Val Trp Val Asn Gly Asn Lys Pro Gly Phe Ile Gln Phe
65                  70                  75                  80

Leu Gly Glu Thr Gln Phe Ala Pro Gly Gln Trp Ala Gly Ile Val Leu
                85                  90                  95

Asp Glu Pro Ile Gly Lys Asn Asp Gly Ser Val Ala Gly Val Arg Tyr
            100                 105                 110

Phe Gln Cys Glu Pro Leu Lys Gly Ile Phe Thr Arg Pro Ser Lys Leu
        115                 120                 125

Thr Arg Lys Val Gln Ala Glu Asp Glu Ala Asn Gly Leu Gln Thr Thr
    130                 135                 140

Pro Ala Xaa Arg Ala Thr Ser Pro Leu Cys Thr Ser Thr Ala Ser Met
145                 150                 155                 160

Val Ser Ser Ser Pro Ser Thr Pro Ser Asn Ile Pro Gln Lys Pro Ser
                165                 170                 175

Gln Pro Ala Ala Lys Glu Pro Ser Ala Thr Pro Pro Ile Ser Asn Leu
            180                 185                 190

Thr Lys Thr Ala Ser Glu Ser Ile Ser Asn Leu Ser Glu Ala Gly Ser
        195                 200                 205

Ile Lys Lys Gly Glu Arg Glu Leu Lys Ile Gly Asp Arg Val Leu Val
    210                 215                 220

Gly Gly Thr Lys Ala Gly Val Val Arg Phe Leu Gly Glu Thr Asp Phe
225                 230                 235                 240
```

Ala Lys Gly Glu Trp Cys Gly Val Glu Leu Asp Glu Pro Leu Gly Lys
245 250 255

Asn Asp Gly Ala Val Ala Gly Thr Arg Tyr Phe Gln Cys Gln Pro Lys
260 265 270

Tyr Gly Leu Phe Ala Pro Val His Lys Val Thr Lys Ile Gly Phe Pro
275 280 285

Ser Thr Thr Pro Ala Lys Ala Lys Ala Asn Ala Xaa Gly Glu Leu Trp
290 295 300

Arg Pro Arg
305

<210> 5597
<211> 118
<212> PRT
<213> Homo sapiens

<400> 5597
Asn Gly Gly Gly Gln His Cys Cys Trp Arg Asn Arg Met Pro His Pro
1 5 10 15

Trp Trp Val Leu His Thr Val Ser Gly Gly Gln Val Ser Cys Gln Pro
20 25 30

Pro Pro Arg Asn Ser Pro Pro Ser Glu Ala Thr Lys Thr Ser Arg Val
35 40 45

Ser Gln Ser Ala Ile Leu Arg Lys Val Leu Arg Gly Thr Asp Lys Val
50 55 60

Arg Arg Glu Ser Cys Gly Leu Glu Ala Ala Arg Asn Lys Pro Ser Arg
65 70 75 80

Arg Arg Gly Ile Pro Ala Gly Gly Met Gly Gly Ala Gly Ala Trp Glu
85 90 95

Met Arg Thr Gly Leu Val Met Val Cys Gly Arg Gln Leu Leu Arg Trp
100 105 110

Arg Ala Gly Gly Arg Gly
115

<210> 5598

<211> 28
<212> PRT
<213> Homo sapiens

<400> 5598
Gln Tyr Phe Leu Lys Ile Ile Thr Tyr Ile Ile Val Thr Lys His Leu
1 5 10 15

Cys Gln Ile Arg Thr Ser Ser Thr Glu Ala Ala Val
20 25

<210> 5599
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5599
Lys Phe Trp Arg Leu Gly Xaa Leu Arg Ser Arg Ser Gln Gln Val Trp
1 5 10 15

Cys Leu Ala Arg Ala His Ser Ser Leu Pro Ser Cys Cys Val Thr Ala
20 25 30

Trp Trp Glu Gly Gln Ala Ser Ser His Gly Leu Phe Tyr Ser Gly Pro
35 40 45

Xaa Ser Ile Gly Glu Gly Ser Ala Ile Ile Thr Ser Ser Pro Arg His
50 55 60

Leu Gln Gly
65

<210> 5600
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5600
Xaa Ser Val His Thr Leu Tyr Arg Asn Ser Leu Tyr Ser Ile Pro Val
1 5 10 15

Glu Gly His Phe Asn Pro His Ser Ile Pro Ser Val Leu Arg Thr Ser
20 25 30

Ser Lys Ala Ala Cys Ser Ser Ser Ser Val Val Ala Thr Leu Asp Leu
35 40 45

His Val
50

<210> 5601
<211> 51
<212> PRT
<213> Homo sapiens

<400> 5601
Gly Asp Cys Gly Lys Gly Thr Val Tyr Lys Ala Val Gly Met Tyr Arg
1 5 10 15

Lys Ala Gln Gly Ile Gly Gln Gly Ala Gly Leu Phe Ile Val Ile Phe
20 25 30

Thr Ser Gly Leu Ile Leu Gly Gly Gly Gly Val Leu Pro Gly Thr Arg
35 40 45

Pro Tyr Gly
50

<210> 5602
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5602
Lys Gln Phe Ala Ser Gly Asn Arg Thr Ala Gly Ala Val Phe Leu Gln
1 5 10 15

Gln Gln Thr Lys His Arg Gly Arg Thr Gln Ala Ser Thr Glu Gln Ala
20 25 30

Glu Thr Asp Asp Asn Met Asp Thr Lys Ser Ile Leu Glu Glu Leu Leu
35 40 45

Leu Lys Arg Ser Gln Leu Leu Glu Met Cys Tyr Asp Val Cys Glu Gly
50 55 60

Met Ala Phe Leu Glu Ser His Gln Phe Ile His Arg Asp Leu Ala Ala
65 70 75 80

Arg Asn Cys Leu Val Asp Arg Asp Leu Cys Val Lys Val Ser Asp Phe
85 90 95

Gly Met Thr Arg Tyr Val Leu Asp Asp Gln Tyr Val Ser Ser Val Gly
100 105 110

Thr Lys Phe Pro Val Lys Trp Ser Ala Pro Xaa Val Phe His Tyr Phe
115 120 125

Lys Tyr Ser Ser Lys Ser Xaa Arg Met Gly Ile Trp Asp Pro Asp
130 135 140

<210> 5603
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5603
Asn Phe Val Phe Leu Val Glu Lys Gly Phe Leu His Val Gly Gln Xaa
1 5 10 15

Gly Leu Glu Leu Pro Ile Ser Gly Asp Pro Pro Ala Ser Gln Ser Ala
20 25 30

Gly Ile Thr Gly Val Ser Thr Thr Pro Arg Leu
35 40

<210> 5604
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5604
Val Gly Val Ser Ser Gln Leu Lys Lys Lys Xaa Asn Glu Ile Gly Ser
1 5 10 15

Arg Asn Glu Lys Gly Glu Arg Glu Arg Lys Lys Lys Met Asp Val Gly
20 25 30

Asn Phe Val Ala Cys Ser Leu Trp Ile Leu Gln Asn Tyr His Cys Gly
35 40 45

Tyr Cys Leu Thr Trp Leu Leu Leu Ala Met Lys Asn Gln Glu His Phe
50 55 60

His Tyr His Phe Leu Thr Ile His Gln Pro Gln Phe Leu Gly Ile Xaa
65 70 75 80

Leu Lys Phe

<210> 5605
<211> 429
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5605

```
Val Ser Gln Ala Thr Asp Val Glu Val Gly Thr Asp Leu Val Pro Ser
 1               5                  10                  15

Val Thr Val Lys Val Thr Leu Gln Asn Arg Val Xaa Leu Gln Lys Ala
            20                  25                  30

Lys Leu Ser Val Tyr Val Gln Pro Pro Leu Glu Leu Thr Cys Asp Gln
        35                  40                  45

Phe Thr Phe Glu Phe Met Asn Arg Asn Pro Asp Gly Ile Pro Arg Val
    50                  55                  60

Ile Gln Cys Lys Phe Arg Leu Pro Leu Lys Leu Ile Cys Leu Pro Gly
65                  70                  75                  80

Gln Pro Ser Lys Thr Ala Ser His Lys Ile Thr Ile Asp Thr Asn Lys
                85                  90                  95

Ser Pro Val Ser Leu Leu Ser Leu Phe Pro Gly Phe Ala Ser Gln Ser
            100                 105                 110

Asp Asp Asp Gln Val Asn Val Met Gly Phe His Phe Leu Gly Gly Ala
        115                 120                 125

Arg Ile Thr Val Leu Ala Ser Lys Thr Ser Gln Arg Tyr Arg Ile Gln
    130                 135                 140

Ser Glu Gln Phe Glu Asp Leu Trp Leu Ile Thr Asn Glu Leu Ile Leu
145                 150                 155                 160

Arg Leu Gln Glu Tyr Phe Glu Lys Gln Gly Val Lys Asp Phe Ala Cys
                165                 170                 175

Ser Phe Ser Gly Ser Ile Pro Leu Gln Glu Tyr Phe Glu Leu Ile Asp
            180                 185                 190

His His Phe Glu Leu Arg Ile Asn Gly Glu Lys Leu Glu Glu Leu Leu
        195                 200                 205

Ser Glu Arg Ala Val Gln Phe Arg Ala Ile Gln Arg Arg Leu Leu Ala
    210                 215                 220

Arg Phe Lys Asp Lys Thr Pro Ala Pro Leu Gln His Leu Asp Thr Leu
225                 230                 235                 240

Leu Asp Gly Thr Tyr Lys Gln Val Ile Ala Leu Ala Asp Ala Val Glu
                245                 250                 255

Glu Asn Gln Gly Asn Leu Phe Gln Ser Phe Thr Arg Leu Lys Ser Ala
            260                 265                 270
```

```
Thr His Leu Val Ile Leu Leu Ile Ala Leu Trp Gln Lys Leu Ser Ala
        275                 280                 285

Asp Gln Val Ala Ile Leu Glu Ala Ala Phe Leu Pro Leu Gln Glu Asp
    290                 295                 300

Thr Gln Glu Leu Gly Trp Glu Glu Thr Val Asp Ala Ala Ile Ser His
305                 310                 315                 320

Leu Leu Lys Thr Cys Leu Ser Lys Ser Ser Lys Glu Gln Ala Leu Asn
                325                 330                 335

Leu Asn Ser Gln Leu Asn Ile Pro Lys Asp Thr Ser Gln Leu Lys Lys
            340                 345                 350

His Ile Thr Leu Leu Cys Asp Arg Leu Ser Lys Gly Gly Arg Leu Cys
        355                 360                 365

Leu Ser Thr Asp Ala Ala Ala Pro Gln Thr Met Val Met Pro Gly Gly
    370                 375                 380

Cys Thr Thr Ile Pro Glu Ser Asp Leu Glu Glu Arg Ser Val Glu Gln
385                 390                 395                 400

Asp Ser Thr Glu Leu Phe Thr Asn His Arg His Leu Thr Ala Glu Thr
                405                 410                 415

Pro Arg Pro Glu Val Ser Pro Leu Gln Gly Val Ser Glu
            420                 425
```

<210> 5606
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5606

```
Asn Ile Thr Thr Met Asn Pro Thr Ser His Cys Lys Asp Cys Val Leu
  1               5                  10                  15

Tyr Phe Asp Leu Ser Ser Gly Ile Gly Asp Thr Leu Phe Gly His His
             20                  25                  30

Glu Gly Thr Met Gln Asn Pro Ser Phe Xaa Asn Ser Phe Leu Ser Ser
```

35 40 45

Ile Glu Asp Pro Lys Asn Gln Thr Phe Arg Val
50 55

<210> 5607
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5607
Lys Pro Gly His Thr Ala Gly Asp Glu Trp Lys Ala Ser Glu Thr Ser
1 5 10 15

Trp Val Phe Thr Ala Ile Pro Arg Arg Ser His Tyr His Leu Ser Cys
20 25 30

Val Ser Cys Glu Ile Ser Ser Ser Ile Arg Phe Ser Arg Ser Thr Asn
35 40 45

Pro Phe Gly Thr Val Cys Glu Gly Ser Lys Leu Arg Ile Ser Tyr Glu
50 55 60

Asn Leu Ile Pro Asp Asp Leu Leu Leu Ser Pro Thr Thr Pro Arg Trp
65 70 75 80

Asp His Leu Val Ala Gly Lys Gln Ala Gln Ala Pro Thr Asp Ser Xaa
85 90 95

Leu

<210> 5608
<211> 52
<212> PRT
<213> Homo sapiens

<400> 5608
Gln Arg Lys Arg Glu Glu Glu Gly Arg Leu Asp Thr Glu Arg Cys Leu
1 5 10 15

Ala Arg Gly Ser Gln Ser Gly Val Gln Pro Leu Gly Gly Pro Thr Pro

20 25 30

Gly Glu Asp His Leu Pro Thr Ser Ser Ile Pro Thr Leu Pro Ala Pro
35 40 45

His Pro Ser Cys
50

<210> 5609
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5609
Ala Xaa Thr Asn Phe Thr Gln Glu Xaa Ala Met Thr Met Ile Thr Pro
1 5 10 15

Ser Ser Asn Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr
20 25 30

Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Arg Gln Arg Leu
35 40 45

Gln

<210> 5610
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO_ 0122920A2 I >

<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5610
Leu Ala Lys Glu Val Lys Pro Arg Gly Phe Pro Gly Gly Lys Ile Phe
1 5 10 15

Pro Pro Gly Gly Xaa Xaa Gly Asn Pro Pro Thr Gly Pro Val Xaa Pro
20 25 30

Gly Val Pro Lys Phe Lys Thr Pro Lys Phe
35 40

<210> 5611
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5611
His Ala Gln Gly Glu Ala Arg Val Gln Pro Leu Arg Gly Leu Leu Gln
1 5 10 15

Glu Arg Gly Gly Gln Gln Pro Trp Gly Arg Gly Arg Pro Arg Gly Gly

20 25 30

Gly His Gln Gly Thr Ala Arg Trp Ala Ser Ser Cys Pro Xaa Ser Trp
35 40 45

Ala Arg Ser Lys Ala Arg Xaa Asp Leu Leu Ala Trp Gln Pro Xaa Pro
50 55 60

Gly Ala Arg Ile Ala Ala Pro Val Ile Gln Asn Pro Ala Glu Gln Xaa
65 70 75 80

Pro Cys Ser Cys Ala
85

<210> 5612
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5612
Thr Lys Phe His Phe Val Cys Val Cys Val His Val Cys Val Ser Thr
1 5 10 15

Gly Gly Leu Cys Phe Ile Leu Cys Phe Phe Asp Ser Cys Ala Thr Ser
20 25 30

Leu Pro His Ser Pro Lys Lys Asp Lys Thr Lys Leu Ser Thr Asn Pro
35 40 45

His Ile Xaa Val Cys Leu Ser Xaa Thr Leu Thr Thr Val Pro Ile Ile
50 55 60

Met Ser Ser Tyr Ile Pro Cys Lys Ile Trp Val Val Ser Tyr Thr Ala
65 70 75 80

Gly Leu His Leu Thr Leu Glu Gly Lys Lys Xaa
85 90

<210> 5613
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5613
Asn Ser Glu Lys Glu Gln Trp Leu Cys Ser Phe Leu Ala Asn Xaa Leu
1 5 10 15

Gln Lys Glu Ser Thr Trp Thr Ser Val Pro Gly Val Glu Ile Leu Arg
20 25 30

Gly Xaa Glu Leu Val Gly Glu His Phe Pro Thr Trp Leu Arg Gln Gly
35 40 45

Phe Xaa Trp Gly Arg Gly Arg Xaa Tyr Ser Gly Gly Xaa Ser Pro Pro
50 55 60

Arg Arg His His Thr Phe Pro Pro Gly Val Pro Gln Gly Pro Arg
65 70 75

<210> 5614
<211> 219
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (215)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5614
Leu Ser Phe Phe Ser Leu Thr Ala Ser Tyr Ser Pro Ile Gln Pro His
1 5 10 15

Ser Leu Ile Lys His Gln Gln Ile Pro Leu His Ser Pro Pro Ser Lys
20 25 30

Val Ser His His Gln Leu Ile Leu Gln Gln Gln Gln Gln Gln Ile Gln
35 40 45

Pro Ile Thr Leu Gln Asn Ser Thr Gln Asp Pro Pro Pro Ser Gln His
50 55 60

Cys Ile Pro Leu Gln Asn His Gly Leu Pro Pro Ala Pro Ser Asn Ala
65 70 75 80

Gln Ser Gln His Cys Ser Pro Ile Gln Ser His Pro Ser Pro Leu Thr
85 90 95

Val Ser Pro Asn Gln Ser Gln Ser Ala Gln Gln Ser Val Val Val Ser
100 105 110

Pro Pro Pro Pro His Ser Pro Ser Gln Ser Pro Thr Ile Ile Ile His
115 120 125

Pro Gln Ala Leu Ile Gln Pro His Pro Leu Val Ser Ser Ala Leu Gln
130 135 140

Pro Gly Pro Asn Leu Gln Gln Ser Thr Ala Asn Gln Val Gln Ala Thr
145 150 155 160

Ala Gln Leu Asn Leu Pro Ser His Leu Pro Leu Pro Ala Ser Pro Val
165 170 175

Val His Ile Gly Pro Val Gln Gln Ser Ala Leu Val Ser Pro Gly Gln
180 185 190

Gln Ile Val Ser Pro Ser His Gln Gln Tyr Ser Ser Leu Gln Ser Ser

BNSDOCID: <WO__0122920A2 I >

195 200 205

Pro Ile Pro Ile Ala Ser Xaa Pro Gln Met Ser
210 215

<210> 5615
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5615
Pro Ser Arg Leu Leu Xaa Pro Leu Ile Arg Val Ser Ile Lys Leu Lys
1 5 10 15

Leu Arg Pro Asp Arg Arg Thr Ala Ser Xaa
20 25

<210> 5616
<211> 99
<212> PRT
<213> Homo sapiens

<400> 5616
Tyr Arg Ala Thr Phe Leu Asn Val Ser Asp Val Val Arg Pro Ser His
1 5 10 15

Thr Ser Ala Val Ser Phe Ser Ala Ser Leu Gly Leu Ala Phe Cys Ser
20 25 30

Ser Val Pro His Thr Met Ile Pro Leu Gly Gln Ala Phe Ala Cys Ala
35 40 45

Val Ser Pro Val Lys Leu Thr Ser Leu Pro Leu Trp Ala Gln Ile Pro
50 55 60

Ala Gln Val Ala Gly Val Arg Ser Ser Arg Gly Gly Glu Ser Ser Trp
65 70 75 80

Arg Ala Gly Ser Ile Val Arg Arg Lys Gly His Gly Gln Asn Pro Gly
85 90 95

Glu His Arg

<210> 5617
<211> 67
<212> PRT
<213> Homo sapiens

<400> 5617
Gln Val Leu Cys Lys Cys Leu Pro Ser Leu Gln Val Pro Ala Thr Cys
1 5 10 15

Pro Lys Lys Arg His Ile Lys Lys Leu Ser Asp Thr Ser Pro Asp Phe
20 25 30

Ile Tyr Phe Ile Tyr Leu Thr Thr Tyr Met Leu Val Cys Arg Asn Tyr
35 40 45

Ile Leu Asp Leu Phe Pro Tyr Leu Leu Arg Thr Val Leu Leu Leu Lys
50 55 60

Ala Ala Thr
65

<210> 5618
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5618
Ser Cys Gln Val Ser Pro Ala Gly Arg Lys His Cys Xaa Pro Ser Ala
1 5 10 15

Gly Ser Ser Leu Glu Ser Gln Xaa Gly Lys Arg Ser Trp Pro Leu Pro
20 25 30

Pro Ala Asp Arg Ser Ser Ala Ser Met Arg Phe Val Val Val Thr Phe
35 40 45

Ser Val Thr Ile Lys Gly Asp Phe Phe Leu Asn Ile Lys Leu Phe Phe
50 55 60

Glu Gln Gly Met Asn Met Ser Phe Cys Asn Val Thr Glu Val Glu Phe
65 70 75 80

Lys

<210> 5619
<211> 48
<212> PRT
<213> Homo sapiens

<400> 5619
Ala Leu Leu Val His Glu Asp Lys Leu Pro Glu Gly Phe Gly Cys Met
1 5 10 15

Leu His Ser Val Thr Ser Ser Tyr Leu Lys Ile Ser Val Leu Tyr Leu
20 25 30

Ala Leu Tyr Leu Lys Val Asn Thr Asn Leu Thr Tyr Leu Lys Ile Phe
35 40 45

<210> 5620
<211> 107
<212> PRT
<213> Homo sapiens

<400> 5620
Cys Leu Ser Pro Gly Thr Trp Ala Asp Leu Val Pro Gly Glu Leu Ser
1 5 10 15

Pro Leu Leu Ala Lys Glu Leu Leu Ser Ser Gln Thr Leu Leu Leu Arg
20 25 30

Cys Pro Pro Cys Met Val Phe Glu Val Phe Glu Val Phe Leu Glu Phe
35 40 45

Thr Cys Trp Arg Leu Gln Leu Thr Glu Arg Pro Gly Leu Asp Cys Ala
50 55 60

Ser Cys Ser Ser Arg Thr Lys Asp Ile Ser Trp Lys Cys Met Arg Pro
65 70 75 80

Arg Ile Cys Asp Arg Asn Gly Ser Ser His Val Arg Tyr Ala Pro Trp
85 90 95

Lys Asp Leu Glu Ile Arg Asn Leu Ser Glu His
100 105

<210> 5621
<211> 52
<212> PRT
<213> Homo sapiens

<400> 5621
Phe Tyr Val Arg Tyr Tyr Arg Tyr Phe Glu Met Val Thr Asp Ser Phe
1 5 10 15

Glu Ile Leu Ser Ser Leu Glu Cys Asp Ala Phe Asn Ile Ala Ser Gly
20 25 30

Phe Arg Trp Arg Asn Thr Met Leu Leu Ser Leu Lys Ile Asn Ser Ile
35 40 45

Ser Pro Ile Val
50

<210> 5622
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5622
Ser Ser Cys Met Asn Gln Gly Ser His Ser Gly Phe Gln Gly Leu Asp
1 5 10 15

Phe Leu Val Cys Lys Arg Asp Phe Thr Met His Leu Ala Thr Ser Pro
20 25 30

Ser Ser Leu Gly Asn Xaa Lys Thr Lys Cys Arg Gln
35 40

<210> 5623
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5623
Gln Gly Asn Pro Lys Leu Gln Lys Leu Lys Gly Gly Glu Glu Gly Pro
1 5 10 15

Val Leu Met Ala Glu Ala Val Lys Lys Val Asn Arg Gly Asn Gly Lys
20 25 30

Thr Ser Ser Arg Ile Leu Leu Leu Thr Lys Gly His Val Ile Leu Thr
35 40 45

Asp Thr Lys Lys Ser Gln Ala Lys Ile Val Ile Gly Leu Xaa Asn Val
50 55 60

Ala Gly Val Ser Val Thr Ser Leu Lys Asp Gly Leu Phe Ser Leu His
65 70 75 80

Leu Ser Xaa Met Ser Ser Val Gly Ser Lys Gly Asp Phe Leu Leu Val
85 90 95

Lys Arg Ala Cys Asp
100

<210> 5624
<211> 73
<212> PRT
<213> Homo sapiens

<400> 5624

```
Asn Arg Ser Val Gln Ser Tyr Phe Phe Leu Thr Leu Asn Phe Pro Ser
 1               5                  10                  15

Arg Glu Tyr Thr Ile Trp Leu Arg Gly Arg Gly Ser Pro Glu Glu Arg
            20                  25                  30

Gly Phe Ala Leu Arg Gly Arg Ala Ser Leu Asp Phe Ala Ala Ser Asn
        35                  40                  45

Phe Ser Arg Gly Val Glu Gly Gly Ala Leu Gly Gly Pro His Ser Leu
    50                  55                  60

Ser Gly Val Pro Ala Arg Val Ser Phe
65                  70
```

<210> 5625
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5625

```
Ser Cys Glu Asp Gly Lys Val Glu Gln Glu Ala Leu Ser Ala Phe Leu
 1               5                  10                  15

His Asp Val Asn Glu Glu Ile Gln Cys Gln Ile Glu Val Asp Gly Thr
            20                  25                  30

Pro Arg Gly Arg Gly Ala Gly Val Gly Ser Asp Val Pro Ser Pro Pro
        35                  40                  45

Ser Pro Gly Pro Thr Asp Cys Gly His Glu Xaa Ala Gly Trp Cys Tyr
    50                  55                  60

Asp Ser Arg Leu Gln His Arg Ala Leu Pro Ser Ser Pro Gln Trp Asp
65                  70                  75                  80

Ile Lys Thr Thr Leu Gly Pro Phe Val Gln Gly Thr Thr Ser Ser Ile
                85                  90                  95

Asp Gly Glu Asn Lys Leu Ser Arg Ala Thr Thr Gly Trp Arg Glu Ala
            100                 105                 110

Gly Thr Ile Val Phe Leu Arg Ser Val Thr Ala Asp Pro Thr Asp His
        115                 120                 125
```

Ala Cys Trp Tyr Thr Leu Val Pro Asp Pro Ala Cys Arg Thr Ser Ala
130 135 140

Val Cys
145

<210> 5626
<211> 59
<212> PRT
<213> Homo sapiens

<400> 5626
Gly Gly Asn Ser Gly Asn Gly Pro Ala Lys Ile Tyr Gly Ala Ala Ala
1 5 10 15

Ala Asp Asp Thr Ala Asn Ile Thr Gln Gln Pro Asp Ala Asn Val Asp
20 25 30

Ile Asp Trp Gln Gly Gln Ala Phe Arg Gly Asn Asn Gln Gln Val Leu
35 40 45

Leu Glu Gln Leu Glu Asn Gln Gly Ile Arg Ile
50 55

<210> 5627
<211> 48
<212> PRT
<213> Homo sapiens

<400> 5627
Lys Ala Lys Gln Cys Lys Asn Pro Leu Gln Lys Ala Arg Leu Pro Pro
1 5 10 15

Ser Thr Glu Pro Gln Leu Leu Cys Ser Pro Leu Gln Arg Gln Trp Leu
20 25 30

Leu Leu Val Thr Cys Ile Ser Cys Trp Ile Cys Val Phe Tyr Gln Gly
35 40 45

<210> 5628
<211> 39

<212> PRT
<213> Homo sapiens

<400> 5628
Asp Ser Val Leu Ser Leu Ile Ser His Asn Gln Leu Phe Leu Leu Val
1 5 10 15

Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg Pro Pro
20 25 30

Pro Arg Trp Ser Ser Ser Phe
35

<210> 5629
<211> 26
<212> PRT
<213> Homo sapiens

<400> 5629
Trp His Met Pro Val Ile Pro Ala Leu Trp Glu Ser Glu Ala Gly Gly
1 5 10 15

Ser Leu Glu Ser Arg Ser Leu Arg Leu Pro
20 25

<210> 5630
<211> 87
<212> PRT
<213> Homo sapiens

<400> 5630
Ile Ala Asn Ser Lys Gly Cys Thr Ser Val Ile Ile Asn Lys Asn Leu
1 5 10 15

Ala Asn Ser Cys Gly Thr Gly Tyr Ser His Leu Ile Cys Leu Val Pro
20 25 30

Lys Ile Ala Cys Pro Phe Pro Asn Ser Ser Gln Leu Asp Cys Ala Thr
35 40 45

Lys Thr Asp Lys Tyr Leu Leu Gly Asn His Asn His Gly Asp Leu Leu
50 55 60

Pro Gln Leu Gly Pro Trp Tyr Ile Phe Val Cys Ile Leu Trp Cys Tyr
65 70 75 80

Met Gln Ile Asn Thr Phe Asn

85

<210> 5631
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5631
Gln Glu Thr Ser Lys Met Glu Thr Leu Ser Phe Pro Arg Tyr Asn Val
1 5 10 15

Ala Glu Ile Val Ile His Ile Arg Asn Lys Ile Leu Thr Gly Ala Asp
20 25 30

Gly Lys Asn Leu Thr Lys Asn Asp Leu Tyr Pro Asn Pro Lys Pro Glu
35 40 45

Val Leu His Met Ile Tyr Met Arg Ala Leu Gln Ile Val Tyr Gly Ile
50 55 60

Arg Leu Glu His Phe Tyr Met Met Pro Val Asn Ser Glu Val Met Tyr
65 70 75 80

Pro His Leu Met Gly Arg Xaa Leu Thr Ile Gln Ala Ile
85 90

<210> 5632
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO_ _ 0122920A2 I_>

<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5632

```
Thr Val Leu Gly His Val Leu Tyr Leu Cys Leu Ala Pro His Leu Phe
  1               5                  10                  15

Leu Asp Pro Leu Val Ile Cys Met Thr Thr Phe Lys Asn Phe Asn Phe
             20                  25                  30

Val Cys Cys Leu Arg His Cys Cys Glu His Pro His Gly Val Arg His
         35                  40                  45

Pro Pro Thr Leu Ala Pro Ala Ser Thr Leu Leu His Leu Thr Ser Val
     50                  55                  60

Tyr Pro Ala Ala Leu Leu Leu Leu Leu Val Cys Val Asn Glu Asp Asn
 65                  70                  75                  80

Leu Val Ala Val Thr Tyr Lys Cys Phe Ile Trp His His Pro Ser Val
                85                  90                  95

Xaa Xaa Xaa Trp Trp Xaa Glu Xaa Thr Leu Ala Pro Thr Pro Xaa His
            100                 105                 110

Thr Ser
```

<210> 5633
<211> 210
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (159)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (179)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (182)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (183)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (187)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (190)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5633
Lys Glu Asn Lys Val Val Leu Ile Val Gly Glu Thr Gly Ser Gly Lys
1 5 10 15

Thr Thr Gln Ile Pro Gln Phe Leu Leu Asp Asp Cys Phe Lys Asn Gly
20 25 30

Ile Pro Cys Arg Ile Phe Cys Thr Gln Pro Arg Arg Leu Ala Ala Ile
35 40 45

Ala Val Ala Glu Arg Val Ala Ala Glu Arg Arg Glu Arg Ile Gly Gln

```
     50                  55                  60

Thr Ile Gly Tyr Gln Ile Arg Leu Glu Ser Arg Val Ser Pro Lys Thr
 65                  70                  75                  80

Leu Leu Thr Phe Cys Thr Asn Gly Val Leu Leu Arg Thr Leu Met Ala
                85                  90                  95

Gly Asp Ser Thr Leu Ser Thr Val Thr His Val Ile Val Asp Glu Val
            100                 105                 110

His Glu Arg Asp Arg Phe Ser Asp Phe Leu Leu Thr Lys Leu Arg Asp
        115                 120                 125

Leu Leu Gln Lys His Pro Thr Leu Lys Leu Ile Leu Ser Ser Ala Ala
    130                 135                 140

Xaa Asp Val Asn Leu Phe Ile Arg Tyr Phe Gly Ser Cys Pro Xaa Ile
145                 150                 155                 160

Tyr Ile Gln Gly Xaa Pro Phe Glu Val Lys Glu Met Phe Leu Glu Asp
                165                 170                 175

Ile Leu Xaa Thr Thr Xaa Xaa Thr Asn Lys Xaa Met Leu Xaa Tyr Lys
            180                 185                 190

Lys Glu Lys Gln Gln Asp Glu Lys Thr Leu Ser Lys Lys Lys Lys Lys
        195                 200                 205

Lys Lys
    210
```

<210> 5634
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ 0122920A2 I >

<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5634
Xaa Val Arg Tyr Ile Ala Xaa Xaa Ser Ala Ala Xaa Arg Lys Arg Xaa
1 5 10 15

Val Cys Ser Glu Trp Lys Phe Ala Ala Cys Val Val Asp Arg Leu Cys
20 25 30

Leu Met Ala Phe Ser Val Phe Thr Ile Ile Cys Thr Ile Gly Ile Leu
35 40 45

Met Ser Ala Pro Asn Phe Val Glu Ala Val Ser Lys Asp Phe Ala
50 55 60

<210> 5635
<211> 88
<212> PRT
<213> Homo sapiens

<400> 5635
Pro Ser Thr Leu Asp Cys Ser Leu Thr Glu Cys Leu Ser Leu Ser Ile
1 5 10 15

Leu Cys Pro Phe Tyr Ser Phe Lys Lys Thr Val Ala Val Thr Lys Glu
20 25 30

Leu Phe Leu Ile Pro Arg Leu Cys Gln Thr Lys Val Ser Ser Leu Arg
35 40 45

Leu Leu Asp Phe Asp Ile Lys Tyr Val Phe Ser Ser Ser Asn Phe Ile
50 55 60

Tyr Val Tyr Ser Ser Ser Asp Pro Glu Ile Tyr Phe Leu Leu Ile Ile
65 70 75 80

Leu Thr Trp Ile Pro Gln Ala Ile
85

<210> 5636
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5636
Pro Gly Xaa Pro Gly Arg Pro Thr Arg Pro Ala Arg Cys Gln Gln Pro
1 5 10 15

Gly Ala Arg Ser Gln Glu Gln Ser Ala Ser Met Asn Leu Gly Val Ser
20 25 30

Met Leu Arg Ile Leu Phe Leu Leu Asp Val Gly Gly Ala Gln Val Leu
35 40 45

Ala Thr Gly Lys Thr Pro Gly Ala Glu Ile Asp Phe Lys Tyr Ala Leu
50 55 60

Ile Gly Thr Ala Val Gly Val Ala Ile Ser Ala Gly Phe Leu Ala Leu
65 70 75 80

Lys Ile Cys Met Ile Arg Arg His Leu Phe Asp Asp Asp Ser Ser Asp
85 90 95

Leu Lys Ser Thr Pro Gly Gly Leu Ser Asp Thr Ile Pro Leu Lys Lys
100 105 110

Arg Ala Pro Arg Arg Asn His Asn Phe Ser Lys Arg Asp Ala Gln Val
115 120 125

Ile Glu Leu
130

<210> 5637
<211> 166
<212> PRT
<213> Homo sapiens

<400> 5637
Pro Thr Arg Pro His Ser Ala Arg Leu Thr Met Cys His Ser Arg Ser
1 5 10 15

```
Cys His Pro Thr Met Thr Ile Leu Gln Ala Pro Thr Pro Ala Pro Ser
             20                  25                  30

Thr Ile Pro Gly Pro Arg Arg Gly Ser Gly Pro Glu Ile Phe Thr Phe
         35                  40                  45

Asp Pro Leu Pro Glu Pro Ala Ala Ala Pro Ala Gly Arg Pro Ser Ala
     50                  55                  60

Ser Arg Gly His Arg Lys Arg Ser Arg Arg Val Leu Tyr Pro Arg Val
 65                  70                  75                  80

Val Arg Arg Gln Leu Pro Val Glu Glu Pro Asn Pro Ala Lys Arg Leu
                 85                  90                  95

Leu Phe Leu Leu Leu Thr Ile Val Phe Cys Gln Ile Leu Met Ala Glu
            100                 105                 110

Glu Gly Val Pro Ala Pro Leu Pro Pro Glu Asp Ala Pro Asn Ala Ala
        115                 120                 125

Ser Leu Ala Pro Thr Pro Val Ser Pro Val Leu Glu Pro Phe Asn Leu
    130                 135                 140

Thr Ser Glu Pro Ser Asp Tyr Ala Leu Asp Leu Ser Thr Phe Leu Gln
145                 150                 155                 160

Gln His Pro Ala Ala Phe
                165
```

<210> 5638
<211> 169
<212> PRT
<213> Homo sapiens

<400> 5638

```
Gly Pro Ser Trp Arg Ser Asn Pro Arg Gly Arg Ser Ser Ser Thr Trp
  1               5                  10                  15

Ser Ser Ser Ser Pro Pro Arg Ser Arg Ser Arg Ser Arg Ser Ser Ser
             20                  25                  30

Pro Asn Pro Ser Leu Ser Leu Ser Arg Asn Pro Ser Pro Asn His Asn
         35                  40                  45

Pro Ser Leu Ser Pro Asn Pro Ser Leu Ser Pro Ser Ser Ser Thr Arg
     50                  55                  60
```

BNSDOCID: <WO__0122920A2 I. >

```
Ile Arg Ile His Ile His Ile His Thr Leu Ile Leu Thr Arg Thr His
 65                  70                  75                  80

Thr Leu Thr Arg Thr Arg Ile Arg Thr Lys Tyr Arg Thr His Thr His
                 85                  90                  95

Ser Arg Thr Arg Ser Arg Thr Gly Thr Gly Phe Ser Ala Ala Pro Pro
            100                 105                 110

Thr Leu Pro Glu Arg Gly Ser Ser Arg Ala Arg Gln Gly Phe Glu Asp
        115                 120                 125

Leu Arg Lys Trp Asp Glu His Ile Ser Ile Val Phe Thr Trp Ile Lys
    130                 135                 140

Ser Lys Thr Val Ser Pro Pro Arg Thr Arg Ser Ser Ser Leu Asp Ile
145                 150                 155                 160

Thr Leu Leu Lys Thr Cys Asp Ser Ser
                165
```

<210> 5639
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5639

```
Lys Thr Phe Ser Ile Arg Lys Arg Gly Lys Phe Xaa Pro Ser Lys Phe
  1               5                  10                  15

Asp Tyr Ser Ser Lys Leu Ser Leu Leu Met Gln Ser Ser Phe Val Thr
            20                  25                  30

Leu Thr Leu Gly His Cys Tyr Gln Thr Ser Trp Glu Ile Ser Ser Ser
        35                  40                  45

Arg Arg Leu Asn Thr Cys Arg Lys Gln Met Phe Phe Gly Pro
    50                  55                  60
```

<210> 5640
<211> 337
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5640

```
Ala Pro Ala Cys Gly Ala Xaa Ala Trp Lys Phe Leu Leu Gly Tyr Leu
  1               5                  10                  15

Ser Trp Glu Gly Thr Ala Glu Glu His Lys Ala His Ile Arg Lys Lys
             20                  25                  30

Thr Asp Glu Tyr Phe Arg Met Lys Leu Gln Trp Lys Ser Val Ser Pro
         35                  40                  45

Glu Gln Glu Arg Arg Asn Ser Leu Leu His Gly Tyr Arg Ser Leu Ile
     50                  55                  60

Glu Arg Asp Val Ser Arg Thr Asp Arg Thr Asn Lys Phe Tyr Glu Gly
 65                  70                  75                  80

Pro Glu Asn Pro Gly Leu Gly Leu Leu Asn Asp Ile Leu Leu Thr Tyr
                 85                  90                  95

Cys Met Tyr His Phe Asp Leu Gly Tyr Val Gln Gly Met Ser Asp Leu
            100                 105                 110

Leu Ser Pro Ile Leu Tyr Val Ile Gln Asn Glu Val Asp Ala Phe Trp
        115                 120                 125

Cys Phe Cys Gly Phe Met Glu Leu Val Gln Gly Asn Phe Glu Glu Ser
    130                 135                 140

Gln Glu Thr Met Lys Arg Gln Leu Gly Arg Leu Leu Leu Leu Leu Arg
145                 150                 155                 160

Val Leu Asp Pro Leu Leu Cys Asp Phe Leu Asp Ser Gln Asp Ser Gly
                165                 170                 175

Ser Leu Cys Phe Cys Phe Arg Trp Leu Leu Ile Trp Phe Lys Arg Glu
            180                 185                 190

Phe Pro Phe Pro Asp Val Leu Arg Leu Trp Glu Val Leu Trp Thr Gly
        195                 200                 205

Leu Pro Gly Pro Asn Leu His Leu Leu Val Ala Cys Ala Ile Leu Asp
    210                 215                 220

Met Glu Arg Asp Thr Leu Met Leu Ser Gly Phe Gly Ser Asn Glu Ile
```

BNSDOCID: <WO_ 0122920A2_I_>

225 230 235 240

Leu Lys His Ile Asn Glu Leu Thr Met Lys Leu Ser Val Glu Asp Val
245 250 255

Leu Thr Arg Ala Glu Ala Leu His Arg Gln Leu Thr Ala Cys Pro Glu
260 265 270

Leu Pro His Asn Val Gln Glu Ile Leu Gly Leu Ala Pro Pro Ala Glu
275 280 285

Pro His Ser Pro Ser Pro Thr Ala Ser Pro Leu Pro Leu Ser Pro Thr
290 295 300

Arg Ala Pro Pro Thr Pro Pro Pro Ser Thr Asp Thr Ala Pro Gln Pro
305 310 315 320

Asp Ser Ser Leu Glu Ile Leu Pro Glu Glu Glu Asp Glu Gly Ala Asp
325 330 335

Ser

<210> 5641
<211> 54
<212> PRT
<213> Homo sapiens

<400> 5641
Met Gln Leu Leu Leu Leu Thr Cys Leu Leu Gln Leu Ile Met Val Thr
1 5 10 15

Asn Lys Ala Ile Ala Ser Gln Ile Ser Gln Ile Lys His Phe Phe His
20 25 30

Cys Ile Leu Val Val Val Cys Pro Asn Ser Ser Met Tyr Leu Ile Met
35 40 45

Ser Gly Ser Ile Leu His
50

<210> 5642
<211> 65
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO 0122920A2 I >

<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5642
Cys Leu Trp Leu Phe Lys Ser Gln Ser Leu Val Asn His Ile Thr Ile
1 5 10 15

Arg Pro Trp Phe Ser Ile Gly Gly Asp Phe Pro Arg Gly Thr Phe Gly
20 25 30

His Val Leu Glu Ala Phe Trp Leu Ser His Trp Xaa Pro Gly Val Xaa
35 40 45

Leu Pro Xaa Thr Lys Lys Lys Lys Lys Lys Lys Lys Arg Gly Ala Phe
50 55 60

Leu
65

<210> 5643
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5643
Thr Asn Phe Phe Gln Leu Val Lys His His Thr Ser Ser Ala Lys Gly
1 5 10 15

Ile Leu Leu Ala Glu Pro Ser Trp Met Ile Ser Val Thr His Ala Xaa
20 25 30

Thr Cys Ser Leu Glu Gly Ser Gly Glu Trp Ile His Ala Ile Cys Leu
35 40 45

Glu Asp Thr Arg Met Ser Gln Pro Pro Asp Leu Val Ile Tyr Lys Leu
50 55 60

Leu Arg Ile Thr Leu Val Tyr Phe Trp Ser Glu Asn Gly Lys Ala Gln
65 70 75 80

Ile Met Lys

<210> 5644
<211> 407
<212> PRT
<213> Homo sapiens

<400> 5644
Ala Ala Cys Gln Pro Arg Cys Cys Cys Ser Ser Cys Cys Gly Thr Ala
1 5 10 15

Asp Arg Ala Ala Ala Pro Leu Ser Pro Leu Gln Ala Pro Ile Trp Ala
20 25 30

Pro Ala Thr Ser Met Asp Ala Arg Arg Val Pro Gln Lys Asp Leu Arg
35 40 45

Val Lys Lys Asn Leu Lys Lys Phe Arg Tyr Val Lys Leu Ile Ser Met
50 55 60

Glu Thr Ser Ser Ser Ser Asp Asp Ser Cys Asp Ser Phe Ala Ser Asp
65 70 75 80

Asn Phe Ala Asn Thr Arg Leu Gln Ser Val Arg Glu Gly Cys Arg Thr
85 90 95

Arg Ser Gln Cys Arg His Ser Gly Pro Leu Arg Val Ala Met Lys Phe
100 105 110

Pro Ala Arg Ser Thr Arg Gly Ala Thr Asn Lys Lys Ala Glu Ser Arg
115 120 125

Gln Pro Ser Glu Asn Ser Val Thr Asp Ser Asn Ser Asp Ser Glu Asp
130 135 140

Glu Ser Gly Met Asn Phe Leu Glu Lys Arg Ala Leu Asn Ile Lys Gln
145 150 155 160

Asn Lys Ala Met Leu Ala Lys Leu Met Ser Glu Leu Glu Ser Phe Pro
165 170 175

Gly Ser Phe Arg Gly Arg His Pro Leu Pro Gly Ser Asp Ser Gln Ser
180 185 190

Arg Arg Pro Arg Arg Arg Thr Phe Pro Gly Val Ala Ser Arg Arg Asn
195 200 205

Pro Glu Arg Arg Ala Arg Pro Leu Thr Arg Ser Arg Ser Arg Ile Leu
210 215 220

Gly Ser Leu Asp Ala Leu Pro Met Glu Glu Glu Glu Glu Glu Asp Lys
225 230 235 240

Tyr Met Leu Val Arg Lys Arg Lys Thr Val Asp Gly Tyr Met Asn Glu
245 250 255

Asp Asp Leu Pro Arg Ser Arg Arg Ser Arg Ser Ser Val Thr Leu Pro
260 265 270

His Ile Ile Arg Pro Val Glu Glu Ile Thr Glu Glu Glu Leu Glu Asn
275 280 285

Val Cys Ser Asn Ser Arg Glu Lys Ile Tyr Asn Arg Ser Leu Gly Ser
290 295 300

Thr Cys His Gln Cys Arg Gln Lys Thr Ile Asp Thr Lys Thr Asn Cys
305 310 315 320

Arg Asn Pro Asp Cys Trp Gly Val Arg Gly Gln Phe Cys Gly Pro Cys
325 330 335

Leu Arg Asn Arg Tyr Gly Glu Glu Val Arg Asp Ala Leu Leu Asp Pro
340 345 350

Asn Trp His Cys Pro Pro Cys Arg Gly Ile Cys Asn Cys Ser Phe Cys
355 360 365

Arg Gln Arg Asp Gly Arg Cys Ala Thr Gly Val Leu Val Tyr Leu Ala
370 375 380

Lys Tyr His Gly Phe Gly Asn Val His Ala Tyr Leu Lys Ser Leu Lys
385 390 395 400

Gln Glu Phe Glu Met Gln Ala
405

<210> 5645
<211> 44
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO___0122920A2_I_ >

<400> 5645
Arg Glu Ala Ser Gly Ser Leu Trp Glu Gln Ser Tyr Lys Leu Ile Glu
1 5 10 15

Ile His Thr Leu Pro Lys Gln Leu Gly Pro Thr Thr Val Pro His Val
20 25 30

Ser Met Gln Asn Tyr Ile Leu Pro Arg Ile Asn Ser
35 40

<210> 5646
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5646
Lys Met Xaa Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
1 5 10 15

Ala Val Xaa Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
20 25 30

Ser Ala Pro Leu Cys Met Tyr Ser Ser Leu Leu Pro Ser Ser Gln Leu
35 40 45

Ser Val Arg Tyr Val Phe Leu Ser
50 55

<210> 5647
<211> 35
<212> PRT
<213> Homo sapiens

<400> 5647
Ser Val Cys Val His Thr Phe Tyr Phe Ser Val Ser Trp Val Tyr Val
1 5 10 15

```
Trp Leu Lys Thr Ile Leu Glu Ser Lys Ser Ile Leu Ile Tyr Lys Lys
            20                  25                  30

Thr Phe Trp
        35
```

<210> 5648
<211> 106
<212> PRT
<213> Homo sapiens

<400> 5648

```
Gln Cys Pro Met Gly Pro Leu Leu Leu Pro Ala Pro Ser Leu Leu Leu
  1               5                  10                  15

Leu Met His Ser Pro Leu Pro Ala Ala Pro Gly Phe Pro Ala Phe Leu
            20                  25                  30

Leu Thr Pro Ser Asn Ser Leu Gly Thr Pro Ala Ala Thr Thr Leu Trp
        35                  40                  45

Val Gly His Trp Asp Pro Leu Ala Gln Ser Trp Leu Leu Leu Thr Pro
    50                  55                  60

Ser Leu Asp Ala Cys Pro Gly Thr Pro Ser Pro Leu Pro Leu Pro Cys
65                  70                  75                  80

Ser Phe Asn Arg Val Asn His Val Tyr Cys Thr Gly Ala Val Val Ile
                85                  90                  95

Ala Glu Thr Ala Gly Trp Arg Arg Ser Arg
            100                 105
```

<210> 5649
<211> 85
<212> PRT
<213> Homo sapiens

<400> 5649

```
Arg Asn Pro Lys Asn Gly Asn Asn Pro Ser His Gly Cys His Thr Leu
  1               5                  10                  15

Leu Thr Cys Ser Ile Pro Thr Gln Glu Leu Pro Ala Tyr Gly Ala Ser
            20                  25                  30

His Trp Ser Thr Ser Tyr Pro Gln His Leu Ser Cys His Cys Gln Gly
```

BNSDOCID: <WO__. 0122920A2 I_>

35 40 45

Thr Tyr Leu Trp Pro Pro Ala Ile Leu Tyr Arg Ala Ile Val Leu Tyr
50 55 60

Ile Leu His Ile Arg Lys Leu Arg Leu Lys Val Asn Leu Ile Cys Leu
65 70 75 80

Cys Gln Ser Gln Asp
85

<210> 5650
<211> 269
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (177)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5650
Gly Pro Tyr Xaa Tyr Phe Leu Pro Gly Glu Cys Leu Asp Cys Ser Pro
1 5 10 15

Leu Leu Val Leu Gln Gly Val Thr His Ala Ala Ile Trp Ala Ala Cys
20 25 30

Ile Ser Tyr Leu Ser Ala Ala Val Pro Pro Glu Leu Arg Thr Ser Ala
35 40 45

Gln Gly Ile Leu Gln Gly Leu His Leu Gly Leu Gly Arg Gly Cys Gly
50 55 60

Ala Met Ile Gly Gly Val Leu Val Asn Tyr Phe Gly Ala Ala Ala Thr
65 70 75 80

Phe Arg Gly Ile Gly Met Ala Cys Leu Val Ile Leu Leu Leu Phe Ala
85 90 95

Leu Ile Gln Trp Leu Ala Val Pro Asp Glu Glu Glu Asp Lys Thr Met
100 105 110

Leu Ala Glu Arg Ile Pro Val Pro Ser Ser Pro Val Pro Ile Ala Thr

BNSDOCID: <WO__0122920A2 I >

```
        115                 120                 125

Ile Asp Leu Val Gln Gln Gln Thr Glu Asp Val Met Pro Arg Ile Glu
    130                 135                 140

Pro Arg Leu Pro Pro Lys Lys Thr Lys His Gln Glu Glu Gln Glu Asp
145                 150                 155                 160

Val Asn Lys Pro Ala Trp Gly Val Ser Ser Ser Pro Trp Val Thr Phe
                165                 170                 175

Xaa Tyr Ala Leu Tyr Gln Ile Lys Glu Met Met Gln Leu Thr Arg Asp
            180                 185                 190

Asn Arg Ala Ser Glu Ile Gln Pro Leu Gln Gly Thr Asn Glu Asn Arg
        195                 200                 205

Glu Asn Ser Pro Ala Gly Arg Ala Gln Pro Val Pro Cys Glu Thr His
    210                 215                 220

Ser Asp Pro Ser Arg Asn Gln Pro Ser Pro Asp Ala Ala Ala Ser Gln
225                 230                 235                 240

Thr Gln Thr Ser Pro Ala His Pro Ser Val Asp Pro Cys Thr Glu Glu
                245                 250                 255

Ser Glu Glu Gln Gln Ala Gln Leu Ala Ala Gly Gly His
            260                 265
```

<210> 5651
<211> 364
<212> PRT
<213> Homo sapiens

<400> 5651

```
Cys Leu Arg Lys Ser Phe Glu Met Thr Val Glu Lys Val Gln Gly Ile
  1               5                  10                  15

Ser Arg Leu Glu Gln Leu Cys Glu Glu Phe Ser Glu Glu Glu Arg Val
             20                  25                  30

Arg Glu Leu Lys Gln Glu Lys Lys Arg Gln Lys Arg Lys Asn Arg Arg
         35                  40                  45

Lys Asn Lys Cys Val Cys Asp Ile Pro Thr Pro Leu Gln Thr Ala Asp
     50                  55                  60

Glu Lys Glu Val Ser Gln Glu Lys Glu Thr Asp Phe Ile Glu Asn Ser
 65                  70                  75                  80
```

```
Ser Cys Lys Ala Cys Gly Ser Thr Glu Asp Gly Asn Thr Cys Val Glu
                 85                  90                  95

Val Ile Val Thr Asn Glu Asn Thr Ser Cys Thr Cys Pro Ser Ser Gly
            100                 105                 110

Asn Leu Leu Gly Ser Pro Lys Ile Lys Lys Gly Leu Ser Pro His Cys
        115                 120                 125

Asn Gly Ser Asp Cys Gly Tyr Ser Ser Ser Met Glu Gly Ser Glu Thr
    130                 135                 140

Gly Ser Arg Glu Gly Ser Asp Val Ala Cys Thr Glu Gly Ile Cys Asn
145                 150                 155                 160

His Asp Glu His Gly Asp Asp Ser Cys Val His His Cys Glu Asp Lys
                165                 170                 175

Glu Asp Asp Gly Asp Ser Cys Val Glu Cys Trp Ala Asn Ser Glu Glu
            180                 185                 190

Asn Asp Thr Lys Gly Lys Asn Lys Lys Lys Lys Lys Lys Ser Lys Ile
        195                 200                 205

Leu Lys Cys Asp Glu His Ile Gln Lys Leu Gly Ser Cys Ile Thr Asp
    210                 215                 220

Pro Gly Asn Arg Glu Thr Ser Gly Asn Thr Met His Thr Val Phe His
225                 230                 235                 240

Arg Asp Lys Thr Lys Asp Thr His Pro Glu Ser Cys Cys Ser Ser Glu
                245                 250                 255

Lys Gly Gly Gln Pro Leu Pro Trp Phe Glu His Arg Lys Asn Val Pro
            260                 265                 270

Gln Phe Ala Glu Pro Thr Glu Thr Leu Phe Gly Pro Asp Ser Gly Lys
        275                 280                 285

Gly Ala Lys Ser Leu Val Glu Leu Leu Asp Glu Ser Glu Cys Thr Ser
    290                 295                 300

Asp Glu Glu Ile Phe Ile Ser Gln Asp Glu Ile Gln Ser Phe Met Ala
305                 310                 315                 320

Asn Asn Gln Ser Phe Tyr Ser Asn Arg Glu Gln Tyr Arg Gln His Leu
                325                 330                 335

Lys Glu Lys Phe Asn Lys Tyr Cys Arg Leu Asn Asp His Lys Arg Pro
            340                 345                 350
```

BNSDOCID: <WO___ 0122920A2_I_>

Ile Cys Ser Gly Trp Leu Thr Thr Ala Gly Ala Asn
355 360

<210> 5652
<211> 90
<212> PRT
<213> Homo sapiens

<400> 5652
Ala Thr Leu Trp Asp Gly His Ala Ala Val Trp His Gly Tyr Glu Val
1 5 10 15

His Gly Met Glu Lys Ile Pro Glu Asp Gly Pro Ala Leu Ile Ile Phe
20 25 30

Tyr His Gly Ala Ile Pro Ile Asp Phe Tyr Tyr Phe Met Ala Lys Ile
35 40 45

Phe Ile His Lys Gly Arg Thr Cys Arg Val Val Ala Asp His Phe Val
50 55 60

Phe Lys Ile Gln Gly Leu Val Tyr Tyr Trp Met Cys Phe Val Leu Tyr
65 70 75 80

Met Asp Gln Glu Lys Asn Val Leu Lys Phe
85 90

<210> 5653
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5653
His Ser Xaa Met Trp Leu Val His Leu Thr Arg Glu Glu Trp Gly Tyr
1 5 10 15

Leu Asp Pro Val Gln Arg Asp Leu Tyr Arg Glu Val Met Leu Glu Asn
20 25 30

Tyr Gly Asn Val Val Ser Leu Gly Ile Leu Leu Arg Leu Pro Thr Thr
35 40 45

```
Arg Ile His Ser Val Asn Ser Cys Pro Ala Leu Ser His Thr Gln Ala
     50                  55                  60

Ser Ala Phe Ser Gly Glu Thr Leu Ala Val Leu Thr Ala Gly Ile Ser
 65                  70                  75                  80

Lys Arg Trp Pro Lys Tyr Arg Leu Pro Ile Asp Ile Ala Arg Pro Cys
                 85                  90                  95

Ser Glu Thr Pro Phe Pro Arg Leu
            100
```

<210> 5654
<211> 49
<212> PRT
<213> Homo sapiens

<400> 5654

```
Pro Leu Lys Thr Phe Pro Val Cys Leu Val Ile Ala Lys Pro Arg Lys
  1               5                  10                  15

Ile Ser Phe Leu Ser Ser Tyr Arg Glu Leu Ala Met Lys Leu Lys Phe
            20                  25                  30

Asn Cys Val Ser Arg Ser Leu Ile Phe Leu Gln Ile Ile Asn Tyr Val
        35                  40                  45

Leu
```

<210> 5655
<211> 40
<212> PRT
<213> Homo sapiens

<400> 5655

```
Lys Leu Asp Phe Lys Ile Thr Asn Glu Arg Asn Leu Ile Leu Phe Cys
  1               5                  10                  15

Asp Arg Ser Gln Val Leu Gln Trp Phe Ala Ile Gln Asn Leu Ile Ile
            20                  25                  30

Val Lys Pro Gln Phe Lys Arg Leu
        35                  40
```

<210> 5656
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5656
Gly Tyr Leu Cys Leu Leu Cys Ile Leu Val Met Ala Arg Ser Arg Leu
1 5 10 15

Ser Thr Thr Gly Arg His Pro Ala Val Val Ser Leu Leu Glu Leu Asn
20 25 30

Val Trp Leu Ser Lys Ile Leu Ser Ile Glu Ser Leu Ser Leu Lys Xaa
35 40 45

Leu Leu Gln Met Asn Ala Gln His Glu Ile Phe Lys Ile Val Ser Tyr
50 55 60

Thr Leu Gly Ser Asn Lys Gln Lys Ile Leu
65 70

<210> 5657
<211> 121
<212> PRT
<213> Homo sapiens

<400> 5657
Phe Ser Val Thr Gly Gln Ala Pro Val Glu Ile Ser Phe Val Leu Leu
1 5 10 15

Trp Ala Gln Arg Trp Trp Trp Phe Gly Ser Ser Glu Asp Cys Leu Gly
20 25 30

Arg Phe Ser Gly His Gly Ala Leu Cys Trp Pro Gly Trp Gly Trp Pro
35 40 45

Arg Arg Cys Pro Phe Pro Gly Ala Leu Trp Trp Leu Gln Lys Thr Ser
50 55 60

Phe Val Glu Asn Cys Phe Ser Ala Trp Asn Gln Thr Ser Ser Arg Trp
65 70 75 80

Phe Gly Pro Cys Pro Cys Val Gly His Tyr His Thr Lys Arg Pro Ile

BNSDOCID: <WO__0122920A2 I >

85 90 95

Lys Ile Lys Lys Ile Lys Lys Lys Lys Thr Asn Tyr Trp Arg Trp Trp
100 105 110

Pro Met Met His Leu Leu Phe Ala Gly
115 120

<210> 5658
<211> 25
<212> PRT
<213> Homo sapiens

<400> 5658
Trp Thr Pro Val Ile Pro Gly Thr Arg Glu Ala Glu Ala Gly Glu Ser
1 5 10 15

Leu Glu Pro Gly Arg Gln Arg Leu Gln
20 25

<210> 5659
<211> 52
<212> PRT
<213> Homo sapiens

<400> 5659
Ser Ile Asp Thr Phe Tyr Ile Gln Phe Tyr Lys Tyr Lys Tyr Tyr Asn
1 5 10 15

Phe Ile Leu Met Val Pro Lys Ile His Phe Leu Arg Leu Lys Ala Cys
20 25 30

Thr Ser Met His Thr Cys Phe Trp Gly Glu Trp Gly Glu Asp Ile Leu
35 40 45

Ile Ile Ser Leu
50

<210> 5660
<211> 49
<212> PRT
<213> Homo sapiens

<400> 5660
Tyr Ile Phe Leu Ile Ser Tyr Arg Leu Tyr Arg Lys Glu Val Leu Glu

1 5 10 15

Lys Leu Ile Glu Lys Cys Val Ser Lys Gly Tyr Val Phe Gln Met Glu
20 25 30

Met Ile Val Arg Ala Arg Gln Leu Asn Tyr Thr Ile Gly Glu Val Cys
35 40 45

Asn

<210> 5661
<211> 222
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (156)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (194)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (217)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (218)

BNSDOCID: <WO__0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5661

```
Gln Trp Val Ala Tyr Gly Ser Glu Pro His Thr Ser Val Pro Val Pro
  1               5                  10                  15

Ala Gly Ser Leu Pro Asp His Ala Val His Arg Pro His Asp Arg Cys
             20                  25                  30

Ala Arg Ser Gly Val Met Pro Pro Ala Gln Leu Thr Thr Ile Asn Gln
         35                  40                  45

Ser Gln Leu Ser Ala Gln Leu Gly Leu Asn Leu Gly Gly Ala Ser Met
     50                  55                  60

Pro His Thr Ser Pro Ser Pro Pro Ala Ser Lys Ser Ala Thr Pro Ser
 65                  70                  75                  80

Pro Ser Ser Ser Ile Asn Glu Glu Asp Ala Asp Glu Ala Asn Arg Ala
                 85                  90                  95

Ile Gly Glu Lys Arg Ala Ala Pro Asp Ser Gly Lys Lys Pro Lys Thr
            100                 105                 110

Pro Lys Xaa Lys Xaa Xaa Lys Asp Pro Asn Glu Pro Gln Lys Pro Val
        115                 120                 125

Ser Ala Tyr Ala Leu Phe Phe Arg Asp Thr Gln Ala Ala Ile Lys Gly
    130                 135                 140

Gln Asn Pro Asn Ala Thr Phe Gly Glu Val Ser Xaa Ile Val Ala Ser
145                 150                 155                 160

Met Trp Asp Ser Leu Gly Glu Glu Gln Lys Gln Val Tyr Lys Arg Lys
                165                 170                 175

Thr Glu Ala Ala Lys Lys Glu Tyr Leu Lys Ala Leu Ala Ala Tyr Arg
            180                 185                 190

Ala Xaa Leu Val Ser Lys Ala Ala Ala Glu Ser Ala Glu Ala Gln Thr
        195                 200                 205

Ile Arg Ser Val Gln Gln Thr Leu Xaa Xaa Thr Asn Leu Thr
    210                 215                 220
```

<210> 5662
<211> 48
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO___0122920A2_I_>

<400> 5662
Arg Tyr Ile Ile Thr Lys Leu Lys Leu Cys Phe Cys Phe Ile Gln Arg
1 5 10 15

Asn Leu Lys Ile Ile Asp Lys Lys Phe Leu Phe Arg Ala Met Ser Leu
20 25 30

Tyr His Thr Leu Gly Asn Glu Thr Leu Ser Tyr Val Leu Ser Asp Asn
35 40 45

<210> 5663
<211> 94
<212> PRT
<213> Homo sapiens

<400> 5663
Lys Leu Arg Tyr Ile Leu Pro Lys Asn Phe Phe Asn Lys Ile Ala Lys
1 5 10 15

Asn Ile Leu Phe Arg His Phe Asn Val Pro Ile Tyr Asn Trp Ile Phe
20 25 30

Ser Leu Asn Ser Thr Gln Ser Cys Gly Phe Tyr Phe Gln Leu Ile Phe
35 40 45

Phe Leu Val Gly Ser Val His Gly Ile Ile Ser Leu Ser Arg Gly Leu
50 55 60

Ser Cys Met Cys Ala Glu Phe Val Lys Glu Ser Ile Gly Arg Cys Arg
65 70 75 80

Arg Pro Arg Phe Ala Phe Lys Val Phe Phe Arg Leu Cys Gly
85 90

<210> 5664
<211> 65
<212> PRT
<213> Homo sapiens

<400> 5664
Gly Val Phe Ala Ala Met Tyr Ser Tyr Ser Ser Met Leu Thr Leu Pro
1 5 10 15

```
Phe Asp Val Val Gln Asn Leu Asp Leu Ser Pro Trp Ile Ser Pro Val
            20                  25                  30

Val Pro Ala Ser Arg Gly Ile Phe Leu His Val Ser Gln Pro Pro Ser
        35                  40                  45

Cys Ser Arg Val Leu Leu Asp Leu Gly Phe Ser Cys Pro Ser Leu Leu
    50                  55                  60

Gly
65
```

<210> 5665
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5665

```
Ile Ser Asn Thr Ser Ser Asp Cys Arg Pro Ser Glu Glu Ser Glu Leu
 1               5                  10                  15

Leu Thr Asp Thr Thr Thr Asn Ile Leu Ser Gly Thr Thr Ser Thr Val
            20                  25                  30

Glu Ser Asp Ile Leu Thr Gln Thr Asp Arg Glu Val Ala Leu His Glu
        35                  40                  45

Arg Ser Ser Ser Val Ser Thr Ile Asp Thr Ala Arg Leu Ile Gln Ala
    50                  55                  60

Phe Gly His Glu Arg Val Cys Leu Ser Pro Arg Arg Ile Lys Leu Tyr
65                  70                  75                  80

Ser Ser Ile Thr Asn Gln Gln Arg Arg Tyr Leu Glu Glu Ala Xaa Lys
                85                  90                  95

His Ser Lys Lys Val Leu Xaa Tyr Arg Ser Ser Pro Ser Asp Phe
            100                 105                 110
```

<210> 5666
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5666

```
Gly Pro Ser Trp Val Arg Leu Gly Leu Ser Trp Ala Leu Tyr Val Phe
  1               5                  10                  15

Trp Ile Gln Gly Tyr Trp Ala Arg Tyr Val Cys Gly Xaa Ile Pro Ser
             20                  25                  30

Leu Pro Gln Pro His Leu Pro Leu Lys Pro Ser Leu Ala Leu Ser Glu
         35                  40                  45

Leu Pro Phe Leu Leu Pro Ser Leu Pro Ser Ala Gln Cys Pro Thr Trp
     50                  55                  60

Leu Phe Cys Tyr Phe Gly Ser Gly Gly Thr Ser Trp Glu Cys Glu Xaa
 65                  70                  75                  80

Pro Tyr Arg Lys Ile Ala Leu Gln Glu Glu Xaa Leu Gln Gly Thr Ile
                 85                  90                  95
```

Leu Asn Pro Lys Ala Trp Asn Leu Leu Xaa His Phe Thr Phe Val Xaa
100 105 110

Lys Gly Leu Leu Asn Ala Leu Glu Lys Asp Leu Gly Pro Glu Leu Leu
115 120 125

Ser

<210> 5667
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5667
Pro Ile His Glu Leu Met Pro Glu Asp Arg Ala Ser Thr Pro Arg Thr
1 5 10 15

Thr Thr Met Thr Phe Thr Cys Xaa Xaa Phe Phe Asp Leu Phe Asn Ala
20 25 30

Leu Thr Cys Arg Ser Gln Thr Lys Leu Ile Phe Glu Ile Gly Phe Leu
35 40 45

Arg Asn His Met Phe Leu Tyr Ser Val Leu Gly Ser Ile Leu Gly Gln
50 55 60

Leu Ala Val Ile Tyr Ile Pro Pro Leu Gln Arg Val Phe Gln Thr Glu
65 70 75 80

Asn Leu Gly Ala Leu Asp Leu Leu Phe Leu Thr Gly Leu Ala Ser Ser
85 90 95

Val Phe Ile Leu Ser Glu Leu Leu Lys Leu Cys Glu Lys Tyr Cys Cys
100 105 110

Ser Pro Lys Arg Val Gln Met His Pro Glu Asp Val
115 120

<210> 5668
<211> 50
<212> PRT
<213> Homo sapiens

<400> 5668
Val Ser Val Lys Gln Phe Tyr Phe Ser Tyr Val Thr Val Ala Gly Tyr
1 5 10 15

Asp Leu Asn Phe Val Phe Arg Pro Pro Ala Arg Ile Leu Cys Leu Leu
20 25 30

Leu Tyr Ser Arg Ser Val Phe Leu Pro Arg Leu Arg His Arg Gly Pro
35 40 45

Gln Pro
50

<210> 5669
<211> 170
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5669
Leu Leu His Leu Ile Leu Tyr Met Ser Asn Ala Ser Phe Leu Ser Val
1 5 10 15

BNSDOCID: <WO_ 0122920A2 I_>

Cys Leu Leu Ala Glu Asn Pro Val Gln Leu Ser Pro Gly Cys His Gly
20 25 30

Lys Tyr Asp Lys Glu Xaa Thr Leu Gly Leu Gly Leu Lys Gly Leu Val
35 40 45

Ile Gln Lys Thr Arg Glu Gly Cys Thr Cys Arg Val Ile Tyr Xaa Arg
50 55 60

Asn Leu Ile Lys Tyr Leu Ala His Arg Ser Tyr Lys Glu Ser Phe Gln
65 70 75 80

Arg Gly Pro Leu Ala Thr Ala Gly Phe Phe Val Arg Asn Ile Cys Val
85 90 95

Xaa Phe Tyr Pro Arg Glu Gln Asn Pro Arg Lys Gly Ser Phe Ile Ile
100 105 110

Tyr Ser His Phe Ser Ser Phe Leu Asn Lys Thr Phe Ser Ser Arg Asn
115 120 125

Thr Ala Phe Glu Gly Leu Cys Phe Met Gln Pro Ala Ser Leu Val Asp
130 135 140

Leu Phe Thr Arg Ser His Gln Val Ile Xaa Ser Ile Leu Gly Arg Trp
145 150 155 160

Arg Lys Gln Thr Asp Thr Val Ser Arg Cys
165 170

<210> 5670
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5670
Tyr Val Leu Ser Ala Phe Arg Gly Leu Ser Arg Val Ile Asp Arg His
1 5 10 15

Leu Asn Glu Ala Leu Ser Phe Leu Lys Cys Lys Val Gly Glu Thr Gln
20 25 30

Asp Thr Arg Lys Arg Lys Asp Ile Val His Ile Val Val Ala Val Ala
35 40 45

Leu Arg Thr Val Leu Ala Arg Asp Arg Leu Gly Ile Xaa Ile Asn Pro
50 55 60

Gly His Trp Gly Ser Phe Ser Gly Ser Leu Xaa Leu Ser Leu Pro Gly
65 70 75 80

Ser Thr His

<210> 5671
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5671
Val His Phe Ile Ser Thr Phe Tyr Tyr Ile Tyr Leu Ile Ala Gln Val
1 5 10 15

Leu Leu Ser Arg Lys Lys Trp Asp Val Ala Asn Thr Ala Leu Leu Ala
20 25 30

Cys Arg Gln Cys Cys Pro Val Asn Arg Leu Lys Cys Ile Phe Ile Ser
35 40 45

Trp Tyr Ile Asn Leu Arg Lys Glu Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
65 70 75 80

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa
85 90 95

Gly Gly

BNSDOCID: <WO_0122920A2_I_>

<210> 5672
<211> 199
<212> PRT
<213> Homo sapiens

<400> 5672
Val Phe Leu Thr Tyr Ser Gly Gly Asp Ser Val Met Gln Ile Val Met
1 5 10 15

Phe Asp Arg Gln Ser Ile Phe Ile His Gly Met Lys Ile Ser Leu Gln
20 25 30

Gln Arg Ile Pro Gly Val Ser Ile Gln Gly Ala Ser Gln Ala Asp Glu
35 40 45

Leu Trp Gln Lys Leu Glu Ser Tyr Pro Glu Ala Leu Val Met Leu Asp
50 55 60

Gly Asp Gln Asp Gly Glu Phe Cys Tyr Trp Leu Leu Gln Lys Thr Val
65 70 75 80

Val Gln Phe Pro Glu Val Lys Val Leu Ile Thr Ala Thr Asp Cys Asn
85 90 95

Lys Arg Trp Leu Gln Glu Val Ile His Phe Asn Val Leu Ala Ile Val
100 105 110

Pro Arg Asp Ser Thr Val Glu Thr Phe Ala Leu Ala Val Asn Ser Ala
115 120 125

Ala Met Gly Met Met Phe Leu Pro Gly Asp Trp Arg Thr Thr Pro Glu
130 135 140

Lys Asp Ile Lys Asp Leu Lys Ser Leu Ser Ala Arg Gln Arg Glu Ile
145 150 155 160

Leu Thr Met Leu Ala Ala Gly Glu Ser Asn Lys Glu Ile Gly Arg Ala
165 170 175

Leu Asn Ile Ser Thr Gly Thr Val Lys Ala His Leu Glu Ser Leu Tyr
180 185 190

Arg Arg Leu Glu Val Lys Asn
195

<210> 5673
<211> 192
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I >

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5673

```
Ile Met Leu His Ala Glu Ala Pro Ala Pro Ala Arg Phe Pro Ala Phe
  1               5                  10                  15

Ser Met Gly His Gly Gly Ala Phe Gly Glu Gly Leu Cys Gly Phe Pro
             20                  25                  30

Pro Lys Ser Arg Leu Met Pro Leu Ile Pro Ser Gln Glu Val Ala Glu
         35                  40                  45

Gly Leu Gly Ser Val Gln Ala Pro Arg Gly Gly Asp Val Gln Val Lys
     50                  55                  60

Gln Gly Val Cys Arg Arg Arg Gly Ser Leu Pro Trp Ala Gly Cys Gln
 65                  70                  75                  80

His Leu Gly Val Pro Gly Cys Gln Glu Lys Phe Thr His Thr Arg Ala
                 85                  90                  95

Leu Leu Ala Lys Gly Glu Ser Tyr Asp Gly Arg Ala Arg Ala Leu Ser
            100                 105                 110

Arg His Gln Val Cys Ser Gln Ser Ser Arg Ser Ala Pro Val Thr Trp
        115                 120                 125

Asn Arg Pro Ala Phe Arg Gly Leu Ser Phe Leu Ile Cys Leu Met Gly
    130                 135                 140

Ile Ala Ile Pro Thr Phe Pro Val Leu Val Gly Phe Ser Leu Asp Ala
145                 150                 155                 160

Gln Glu Thr Ala Ala Xaa Glu Gly Leu Phe Gly Xaa Leu Phe His Val
                165                 170                 175

Thr Pro Leu Leu Pro Cys Pro His Gly Ala Gly Gly Ala Gly Ala Trp
            180                 185                 190
```

BNSDOCID: <WO _ 0122920A2 I >

<210> 5674
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5674
Leu Cys Asn Cys Ile Thr Val Thr Asn Glu Ile Leu Ser Leu Leu Leu
1 5 10 15

Ser Ile Cys Pro Lys Lys Pro Pro Pro His Val Leu Ser Gly Glu Leu
20 25 30

Pro Xaa His Phe Trp Xaa Thr Ala Gln Ile Asn Ser
35 40

<210> 5675
<211> 92
<212> PRT
<213> Homo sapiens

<400> 5675
Glu Tyr Ser Ser Leu Ser Pro Arg Ile Asp Ser Ile Thr Gln Ser Asn
1 5 10 15

Ile Asn Leu Asn Gly Leu Ala Pro Ser Phe Phe Ser Lys Asn Asn Gln
20 25 30

Leu Ile Lys Lys Lys Phe Glu Gly Leu Asn Tyr Phe Asn Gly Cys Leu
35 40 45

Lys Tyr Ser Val Gln Phe Val Pro Val Ser Ser Leu Ser Val Trp Gly
50 55 60

Arg Ile Lys Tyr Cys Ala Lys Leu Val Leu Gly Tyr Ile Leu Gln His
65 70 75 80

Leu Val Phe Tyr Leu Thr Asn Arg Ile Leu Val Pro

85 90

<210> 5676
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5676
Ala Arg Met Phe Thr Phe Gly Arg Leu Phe Gln Ile Ile Thr Val Val
1 5 10 15

Thr Cys Leu Gln Phe Ile Gln Asp Cys Cys Ile His Ser Arg Gln Ile
20 25 30

Asn Ser Leu Leu Glu Thr Ser Ser Leu Ser Arg Cys Leu Glu Xaa Pro
35 40 45

Asp Val Cys
50

<210> 5677
<211> 486
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (197)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (203)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (483)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5677
Gln Val Gln Ile Arg Ile Leu Asp Val Asn Asp Asn Ile Pro Val Val

4990

```
1               5                  10                  15

Glu Asn Lys Val Leu Glu Gly Met Val Glu Glu Asn Gln Val Asn Val
            20                  25                  30

Glu Val Thr Arg Ile Lys Val Phe Asp Ala Asp Glu Ile Gly Ser Asp
        35                  40                  45

Asn Trp Leu Ala Asn Phe Thr Phe Ala Ser Gly Asn Glu Gly Gly Tyr
    50                  55                  60

Phe His Ile Glu Thr Asp Ala Gln Thr Asn Glu Gly Ile Val Thr Leu
65                  70                  75                  80

Ile Lys Glu Val Asp Tyr Glu Glu Met Lys Asn Leu Asp Phe Ser Val
                85                  90                  95

Ile Val Ala Asn Lys Ala Ala Phe His Lys Ser Ile Arg Ser Lys Tyr
            100                 105                 110

Lys Pro Thr Pro Ile Pro Ile Lys Val Lys Val Lys Asn Val Lys Glu
        115                 120                 125

Gly Ile His Phe Lys Ser Ser Val Ile Ser Ile Tyr Val Ser Glu Ser
    130                 135                 140

Met Asp Arg Ser Ser Lys Gly Gln Ile Ile Gly Asn Phe Gln Ala Phe
145                 150                 155                 160

Asp Glu Asp Thr Gly Leu Pro Ala His Ala Arg Tyr Val Lys Leu Glu
                165                 170                 175

Asp Arg Asp Asn Trp Ile Ser Val Asp Ser Val Thr Ser Glu Ile Lys
            180                 185                 190

Leu Ala Lys Leu Xaa Asp Phe Glu Ser Arg Xaa Val Gln Asn Gly Thr
        195                 200                 205

Tyr Thr Val Lys Ile Val Ala Ile Ser Glu Asp Tyr Pro Arg Lys Thr
    210                 215                 220

Ile Thr Gly Thr Val Leu Ile Asn Val Glu Asp Ile Asn Asp Asn Cys
225                 230                 235                 240

Pro Thr Leu Ile Glu Pro Val Gln Thr Ile Cys His Asp Ala Glu Tyr
                245                 250                 255

Val Asn Val Thr Ala Glu Asp Leu Asp Gly His Pro Asn Ser Gly Pro
            260                 265                 270

Phe Ser Phe Ser Val Ile Asp Lys Pro Pro Gly Met Ala Glu Lys Trp
```

BNSDOCID: <WO_ 0122920A2 I >

275 280 285

Lys Ile Ala Arg Gln Glu Ser Thr Ser Val Leu Leu Gln Gln Ser Glu
290 295 300

Lys Lys Leu Gly Arg Ser Glu Ile Gln Phe Leu Ile Ser Asp Asn Gln
305 310 315 320

Gly Phe Ser Cys Pro Glu Lys Gln Val Leu Thr Leu Thr Val Cys Glu
325 330 335

Cys Leu His Gly Ser Gly Cys Arg Glu Ala Gln His Asp Ser Tyr Val
340 345 350

Gly Leu Gly Pro Ala Ala Ile Ala Leu Met Ile Leu Ala Phe Leu Leu
355 360 365

Leu Leu Leu Val Pro Leu Leu Leu Leu Met Cys His Cys Gly Lys Gly
370 375 380

Ala Lys Gly Phe Thr Pro Ile Pro Gly Thr Ile Glu Met Leu His Pro
385 390 395 400

Trp Asn Asn Glu Gly Ala Pro Pro Glu Asp Lys Val Val Pro Ser Phe
405 410 415

Leu Pro Val Asp Gln Gly Gly Ser Leu Val Gly Arg Asn Gly Val Gly
420 425 430

Gly Met Ala Lys Glu Ala Thr Met Lys Gly Ser Ser Ser Ala Ser Ile
435 440 445

Val Lys Gly Gln His Glu Met Ser Glu Met Asp Gly Arg Trp Glu Glu
450 455 460

His Arg Ser Leu Leu Ser Gly Arg Ala Thr Gln Phe Thr Gly Ala Thr
465 470 475 480

Gly Ala Xaa His Asp His
485

<210> 5678
<211> 311
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (135)

BNSDOCID: <WO___0122920A2_I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (175)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5678

```
Ala Ile Val Pro Ser Trp Asp Leu Asp Lys Asp Thr Ile Ser Leu Leu
  1               5                  10                  15

Ser Pro Val Leu Cys Ile Phe Pro Ser Pro Ser Ser Gln Thr Ser Leu
             20                  25                  30

Leu Tyr Val Phe Ser Leu Ala Gly Arg Met Thr Gln Asn Thr Val Ile
         35                  40                  45

Val Asn Gly Val Ala Met Ala Ser Arg Pro Ser Gln Pro Thr His Val
     50                  55                  60

Asn Val His Ile His Gln Glu Ser Ala Leu Thr Gln Leu Leu Lys Ala
 65                  70                  75                  80

Gly Gly Ser Leu Lys Lys Phe Leu Phe His Pro Gly Asp Thr Val Pro
                 85                  90                  95

Ser Thr Ala Arg Ile Gly Tyr Glu Gln Leu Ala Leu Gly Val Thr Gln
            100                 105                 110

Ile Leu Leu Gly Val Val Ser Cys Val Leu Gly Val Cys Leu Ser Leu
        115                 120                 125

Gly Pro Trp Thr Val Leu Xaa Ala Ser Gly Cys Ala Phe Trp Ala Gly
    130                 135                 140

Ser Val Val Ile Ala Ala Gly Ala Gly Ala Ile Val His Glu Lys His
145                 150                 155                 160

Pro Gly Lys Leu Ala Gly Tyr Ile Ser Ser Leu Leu Thr Leu Xaa Gly
                165                 170                 175

Phe Ala Thr Ala Met Ala Ala Val Val Leu Cys Val Asn Ser Phe Ile
            180                 185                 190

Trp Gln Thr Glu Pro Phe Leu Tyr Ile Asp Thr Val Cys Asp Arg Ser
        195                 200                 205

Asp Pro Val Phe Pro Thr Thr Gly Tyr Arg Trp Met Arg Arg Ser Gln
    210                 215                 220

Glu Asn Gln Trp Gln Lys Glu Glu Cys Arg Ala Tyr Met Gln Met Leu
```

BNSDOCID: <WO_ 0122920A2_I_>

225 230 235 240

Arg Lys Leu Phe Thr Ala Ile Arg Ala Leu Phe Leu Ala Val Cys Val
245 250 255

Leu Lys Val Ile Val Ser Leu Val Ser Leu Gly Val Gly Leu Arg Asn
260 265 270

Leu Cys Gly Gln Ser Ser Gln Pro Leu Asn Glu Glu Gly Ser Glu Lys
275 280 285

Arg Leu Leu Gly Glu Asn Ser Val Pro Pro Ser Pro Ser Arg Glu Gln
290 295 300

Thr Ser Thr Ala Ile Val Leu
305 310

<210> 5679
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5679
Ala Gln Trp Leu Pro Leu Glu Glu Arg Gly Ala Glu Thr Glu Thr Lys
1 5 10 15

Val Gln Glu Arg Glu Asn Gly Glu Ser Pro Leu Glu Leu Glu Gln Leu
20 25 30

Asp Gln His His Glu Met Lys Glu Thr Asn Glu Gln Lys Leu His Lys
35 40 45

Ile Ala Asn Glu Leu Leu Leu Thr Glu Arg Ala Tyr Val Asn Arg Leu
50 55 60

Asp Leu Leu Asp Gln Val Phe Tyr Cys Lys Leu Leu Glu Glu Ala Asn
65 70 75 80

Arg Gly Ser Phe Xaa Ala Glu Met Val Ile Lys Ser Phe Leu Ile Phe
85 90 95

His Gln

BNSDOCID: <WO__0122920A2 I >

<210> 5680
<211> 58
<212> PRT
<213> Homo sapiens

<400> 5680
Ala Arg Lys Glu Ile Gln Tyr Cys Phe Trp Thr Leu Ile Lys Ser Cys
1 5 10 15

Ala Ile Asp Thr Tyr Met Ser His Leu Ala Val Leu Arg Arg Ala Ile
20 25 30

Ile Thr Leu Gln Leu Thr Leu Glu Asn Ile Leu Ala Phe Glu His Phe
35 40 45

Ser Asn Asn Gln Val Asp Ser Arg Gly Ser
50 55

<210> 5681
<211> 54
<212> PRT
<213> Homo sapiens

<400> 5681
Ser Leu Thr Ser Lys Pro Glu Thr Ser Glu Ile Leu Lys Ala Asn Leu
1 5 10 15

Phe Ser Leu Leu Cys Ile Lys Phe Ile Tyr Leu Lys Cys Tyr Cys Ser
20 25 30

Trp Leu Arg Ile Ile Leu Cys Lys Phe Ser Phe Phe Val Val Cys Leu
35 40 45

Phe Ala Cys Cys Ser Pro
50

<210> 5682
<211> 486
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (326)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (400)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (406)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5682
Ser Ser Thr Ala Val Thr Xaa Ala Leu Glu Leu Val Asp Pro Pro Gly
1 5 10 15

Cys Arg Asn Ser Ala Arg Gly Tyr Ile Gln Tyr Gly Asn Glu Glu Gln
20 25 30

Arg Lys Gln Ala Phe Glu Glu Leu Arg Asp Asp Leu Val Glu Leu Ser
35 40 45

Lys Ala Lys Tyr Ser Arg Asn Ile Val Lys Lys Phe Leu Met Tyr Gly
50 55 60

Ser Lys Pro Gln Ile Ala Glu Ile Ile Arg Ser Phe Lys Gly His Val
65 70 75 80

Arg Lys Met Leu Arg His Ala Glu Ala Ser Ala Ile Val Glu Tyr Ala
85 90 95

Tyr Asn Asp Lys Ala Ile Leu Glu Gln Arg Asn Met Leu Thr Glu Glu
100 105 110

Leu Tyr Gly Asn Thr Phe Gln Leu Tyr Lys Ser Ala Asp His Arg Thr
115 120 125

Leu Asp Lys Val Leu Glu Val Gln Pro Glu Lys Leu Glu Leu Ile Met
130 135 140

Asp Glu Met Lys Gln Ile Leu Thr Pro Met Ala Gln Lys Glu Ala Val
145 150 155 160

Ile Lys His Ser Leu Val His Lys Val Phe Leu Asp Phe Phe Thr Tyr
165 170 175

Ala Pro Pro Lys Leu Arg Ser Glu Met Ile Glu Ala Ile Arg Glu Ala

BNSDOCID: <WO_ 0122920A2 I >

180 185 190

Val Val Tyr Leu Ala His Thr His Asp Gly Ala Arg Val Ala Met His
195 200 205

Cys Leu Trp His Gly Thr Pro Lys Asp Arg Lys Val Ile Val Lys Thr
210 215 220

Met Lys Thr Tyr Val Glu Lys Val Ala Asn Gly Gln Tyr Ser His Leu
225 230 235 240

Val Leu Leu Ala Ala Phe Asp Cys Ile Asp Asp Thr Lys Leu Val Lys
245 250 255

Gln Ile Ile Ile Ser Glu Ile Ile Ser Ser Leu Pro Ser Ile Val Asn
260 265 270

Asp Lys Tyr Gly Arg Lys Val Leu Leu Tyr Leu Leu Ser Pro Arg Asp
275 280 285

Pro Ala His Thr Val Arg Glu Ile Ile Glu Val Leu Gln Lys Gly Asp
290 295 300

Gly Asn Ala His Ser Lys Lys Asp Thr Glu Val Arg Arg Arg Glu Leu
305 310 315 320

Leu Glu Ser Ile Ser Xaa Ala Leu Leu Ser Tyr Leu Gln Glu His Ala
325 330 335

Gln Glu Val Val Leu Asp Lys Ser Ala Cys Val Leu Val Ser Asp Ile
340 345 350

Leu Gly Ser Ala Thr Gly Asp Val Gln Pro Thr Met Asn Ala Ile Ala
355 360 365

Ser Leu Ala Ala Thr Gly Leu His Pro Gly Gly Lys Asp Gly Glu Leu
370 375 380

His Ile Ala Glu His Pro Ala Gly His Leu Val Leu Lys Trp Leu Xaa
385 390 395 400

Glu Gln Asp Lys Lys Xaa Lys Glu Asn Gly Arg Glu Gly Cys Phe Ala
405 410 415

Lys Thr Leu Val Glu His Val Gly Met Lys Asn Leu Lys Ser Trp Ala
420 425 430

Ser Val Asn Arg Gly Ala Ile Ile Leu Ser Ser Leu Leu Gln Ser Cys
435 440 445

Asp Leu Glu Val Ala Asn Lys Val Lys Ala Ala Leu Lys Ser Leu Ile

```
     450                 455                 460

Pro Thr Leu Glu Lys Thr Lys Ser Thr Ser Lys Gly Ile Glu Ile Leu
465                 470                 475                 480

Leu Glu Lys Leu Ser Thr
                485
```

<210> 5683
<211> 213
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5683

```
Val Leu Asp Val Ala Ala Gly Met Ile Lys Pro Gly Val Thr Thr Glu
  1               5                  10                  15

Glu Ile Asp His Ala Val His Leu Ala Cys Ile Ala Arg Asn Cys Tyr
             20                  25                  30

Pro Ser Pro Leu Asn Tyr Tyr Asn Phe Pro Lys Ser Cys Cys Thr Ser
         35                  40                  45

Val Asn Glu Val Ile Cys His Gly Ile Pro Asp Arg Arg Pro Leu Gln
     50                  55                  60

Glu Gly Asp Ile Val Asn Val Asp Ile Thr Leu Tyr Arg Asn Gly Tyr
 65                  70                  75                  80

His Gly Asp Leu Asn Glu Thr Phe Phe Xaa Gly Glu Val Asp Asp Gly
                85                  90                  95

Ala Arg Lys Leu Val Gln Thr Thr Tyr Glu Cys Leu Met Gln Ala Ile
            100                 105                 110

Asp Ala Val Lys Pro Gly Val Arg Tyr Arg Glu Leu Gly Asn Ile Ile
        115                 120                 125

Gln Lys His Ala Gln Ala Asn Gly Phe Xaa Val Val Arg Ser Tyr Cys
```

130 135 140

Gly His Gly Asn Pro Gln Ala Phe Ser Tyr Ser Ser Gln Cys Thr Pro
145 150 155 160

Leu Cys Leu Lys Ile Lys Gln Leu Gly Val Met Glu Val Gly Pro Cys
165 170 175

Ile Tyr Asn Trp Ser Gln Trp Phe Val Glu Gly Gly Trp Gln Asp Gly
180 185 190

Asn Leu Gly Gln Met Val Gly Thr Ala Val Asp Lys Arg Arg Glu Ser
195 200 205

Gly Leu Leu Gln Phe
210

<210> 5684
<211> 279
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (251)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (256)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (257)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5684
Thr His Ala Ser Ala His Thr Thr Asn Pro Glu Gln Thr Leu Pro Gly
1 5 10 15

Thr Asn Leu Thr Gly Phe Leu Ser Pro Val Asp Asn His Met Arg Asn
20 25 30

4999

Leu Thr Ser Gln Asp Leu Xaa Tyr Asp Leu Asp Ile Asn Ile Phe Asp
35 40 45

Glu Ile Asn Leu Met Ser Leu Ala Thr Glu Asp Asn Phe Asp Pro Ile
50 55 60

Asp Val Ser Gln Leu Phe Asp Glu Pro Asp Ser Asp Ser Gly Leu Ser
65 70 75 80

Leu Asp Ser Ser His Asn Asn Thr Ser Val Ile Lys Ser Asn Ser Ser
85 90 95

His Ser Val Cys Asp Glu Gly Ala Ile Gly Tyr Cys Thr Asp His Glu
100 105 110

Ser Ser Ser His His Asp Leu Glu Gly Ala Val Gly Gly Tyr Tyr Pro
115 120 125

Glu Pro Ser Lys Leu Cys His Leu Asp Gln Ser Asp Ser Asp Phe His
130 135 140

Gly Asp Leu Thr Phe Gln His Val Phe His Asn His Thr Tyr His Leu
145 150 155 160

Gln Pro Thr Ala Pro Glu Ser Thr Ser Glu Pro Phe Pro Trp Pro Gly
165 170 175

Lys Ser Gln Lys Ile Arg Ser Arg Tyr Leu Glu Asp Thr Asp Arg Asn
180 185 190

Leu Ser Arg Asp Glu Gln Arg Ala Lys Ala Leu His Ile Pro Phe Ser
195 200 205

Val Asp Glu Ile Val Gly Met Pro Val Asp Ser Phe Asn Ser Met Leu
210 215 220

Ser Arg Tyr Tyr Leu Thr Asp Leu Gln Val Ser Leu Ile Arg Asp Ile
225 230 235 240

Arg Arg Arg Gly Lys Asn Lys Val Ala Ala Xaa Asn Cys Arg Lys Xaa
245 250 255

Xaa Leu Asp Ile Ile Leu Asn Leu Glu Asp Asp Gly Met Val Thr Trp
260 265 270

Pro Ala Lys Lys Gly Asn Pro
275

<210> 5685

5000

<211> 234
<212> PRT
<213> Homo sapiens

<400> 5685
Lys Asn Leu Thr Glu Asn Gln Glu Ala Leu Ala Lys Glu Met Arg Ala
1 5 10 15

Asp Ala Asp Ala Tyr Arg Arg Lys Val Asp Leu Glu Glu His Met Phe
20 25 30

His Lys Leu Ile Glu Ala Gly Glu Thr Gln Ser Gln Lys Thr Gln Lys
35 40 45

Val Ile Lys Glu Asn Leu Ala Lys Ala Glu Gln Ala Cys Leu Asn Thr
50 55 60

Asp Trp Gln Ile Gln Ser Leu His Lys Gln Lys Cys Asp Asp Leu Gln
65 70 75 80

Arg Asn Lys Cys Tyr Gln Glu Val Ala Lys Leu Leu Arg Glu Asn Arg
85 90 95

Arg Lys Glu Ile Glu Ile Ile Asn Ala Met Val Glu Glu Glu Ala Lys
100 105 110

Lys Trp Lys Glu Ala Glu Gly Lys Glu Phe Arg Leu Arg Ser Ala Lys
115 120 125

Lys Ala Ser Ala Leu Ser Asp Ala Ser Arg Lys Trp Phe Leu Lys Gln
130 135 140

Glu Ile Asn Ala Ala Val Glu His Ala Glu Asn Pro Cys His Lys Glu
145 150 155 160

Glu Pro Arg Phe Gln Asn Glu Gln Asp Ser Ser Cys Leu Pro Arg Thr
165 170 175

Ser Gln Leu Asn Asp Ser Ser Glu Met Asp Pro Ser Thr Gln Ile Ser
180 185 190

Leu Asn Arg Arg Ala Val Glu Trp Asp Thr Thr Gly Gln Asn Leu Ile
195 200 205

Lys Lys Val Arg Asn Leu Arg Gln Arg Leu Thr Ala Arg Ala Arg His
210 215 220

Arg Cys Gln Thr Pro His Leu Leu Ala Ala
225 230

BNSDOCID: <WO_ 0122920A2 I >

<210> 5686
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5686
Glu Ile Lys Phe Cys Phe Tyr Leu Gly Thr Arg Ala Leu Gln Asp Leu
1 5 10 15

Ile Pro Ala Tyr Leu Ser Ser Leu Asp Ser Leu Tyr Ser Ser Ile Trp
20 25 30

Lys Cys Gly Pro Trp Thr Glu Ala Leu Pro Asn Asn Ala Glu His Leu
35 40 45

Val Leu Pro Phe Ala Arg Met Val Leu Met Val Pro Lys Ile Thr Ala
50 55 60

Ser Xaa Pro Lys Phe Arg Thr Gln Ile Thr Leu Trp Arg Arg Pro Gln
65 70 75 80

Pro Leu Ala Xaa Ala Phe Lys Ala Leu Arg Asp Leu Asp Thr Arg Leu
85 90 95

Ala Leu Ile Tyr Ile Tyr Phe Lys Ser Ile Ser Ser Leu Ser His Ala
100 105 110

His

<210> 5687
<211> 78
<212> PRT
<213> Homo sapiens

<400> 5687
Leu Asp Ile Lys Thr Ser Tyr Ser Leu Asn Pro Lys Ala Lys Leu Met
1 5 10 15

BNSDOCID: <WO_ _0122920A2 I_>

Ser Arg Ala Asn Gln Ser Ser Trp Gly Gln Asn Arg Thr Lys Thr Tyr
20 25 30

Leu Met Gln Gly Ile Glu Ala Arg Pro Lys Thr Gly Gln Pro Asn Arg
35 40 45

Met Gly His Leu Pro Pro Leu Met Pro Ala Cys Pro Ser Val Ile Ile
50 55 60

Asn Ser Ala Pro Phe His Ser Pro Lys Ser Pro Val Gln Thr
65 70 75

<210> 5688
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5688
Leu Ser Leu Thr Lys Gly Asn Lys Ser Xaa Xaa Ser Thr Ala Val Ala
1 5 10 15

Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
20 25 30

Ala Ser Asn Leu Tyr Phe Tyr Leu Leu Cys Ile
35 40

<210> 5689
<211> 51
<212> PRT
<213> Homo sapiens

<400> 5689
Thr Thr Tyr Cys Phe Pro Leu Phe Gln Gly Asp Ala Val Asp Tyr Gln
1 5 10 15

Lys Gln Leu Lys Gln Met Ile Lys Asp Leu Ala Lys Glu Lys Asp Lys
20 25 30

Thr Glu Lys Glu Leu Pro Lys Met Ser Gln Val Trp Thr Phe Phe Ser
35 40 45

Ala Glu Asn
50

<210> 5690
<211> 35
<212> PRT
<213> Homo sapiens

<400> 5690
Glu Ala Leu Val Asp Phe Leu Tyr Trp Tyr Phe Arg Ser Leu Leu Ser
1 5 10 15

Phe Leu Thr Glu Val Gly Ala Asn Glu Leu Ser Ile Leu Ser Thr Trp
20 25 30

Leu Ile Lys
35

<210> 5691
<211> 32
<212> PRT
<213> Homo sapiens

<400> 5691
Gly Asn Lys Ser Trp Gly Ser Thr Ala Val Thr Thr Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Tyr Lys Leu Ser
20 25 30

<210> 5692
<211> 74
<212> PRT
<213> Homo sapiens

<400> 5692

5004

```
Gly Thr Leu Leu Lys Phe Leu Cys Lys Leu Gly Leu Phe Phe Ser Leu
  1               5                  10                  15

Ser Cys Val Ser Arg Thr Val Gly Val Pro Gly Leu Leu Ser Cys Trp
             20                  25                  30

Val Gln Ala Ser Arg Ile Leu Arg Arg Cys Glu Glu Glu Val Arg Lys
         35                  40                  45

Ile Gly Gly Asn Arg Lys Glu Lys Glu Ile Trp Pro Arg Phe Trp Gly
     50                  55                  60

Glu Lys Val Trp Gly Lys Ser Lys Gly Asn
 65                  70
```

<210> 5693
<211> 50
<212> PRT
<213> Homo sapiens

<400> 5693

```
Glu Asn Ala Cys Lys Ala Leu Gly Ile Val His Asp Val Asn Thr Gln
  1               5                  10                  15

Met Leu Leu Lys Ser Ile Asn Val Asn Tyr Phe Leu Ala His Phe Ser
             20                  25                  30

Gly Leu Ile Ser Pro Val Lys Met Ile His Ser Ile Leu Phe Asn Gly
         35                  40                  45

Phe Met
     50
```

<210> 5694
<211> 147
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5694
Gly Leu Gly Cys Ala Leu Ala Gln Val Leu Cys Gly Asp Ala Arg Gln
1 5 10 15

His Ile Leu Leu Arg Asp Asp Thr Leu Ser Gly Gln His Arg Pro Val
20 25 30

Thr Ile Xaa Ser Leu Ala Thr Ser Leu Ser Pro Ala Ser Pro Ser Leu
35 40 45

Asp Thr Arg Pro Gln Thr Pro Gly Ser Gly Arg Gly Gly Trp Thr Ser
50 55 60

Leu His Thr Pro Ala Gly Arg Gly Gln Val Pro Arg Ser Pro Met Trp
65 70 75 80

Arg Ala Gly Pro Gly Ala Ala Gln Ala Gly Gly Xaa Asn Trp Gly Leu
85 90 95

Arg Val Leu Arg Arg Arg Val Lys Ile Ile Lys Gly Ala Thr Glu Ser
100 105 110

Lys Arg Arg Glu Gly Leu Val Pro Asn Ser Cys Ser Pro Gly Asp Pro
115 120 125

Leu Val Leu Glu Arg Xaa Pro Pro Arg Trp Ser Xaa Ser Phe Val Pro
130 135 140

Leu Val Arg
145

<210> 5695
<211> 58
<212> PRT
<213> Homo sapiens

<400> 5695
Val Phe Ser Gly Met His Arg Phe Ile Ile Phe Ser Thr Leu Lys Met

BNSDOCID: <WO___0122920A2 1 >

1 5 10 15

Arg Ala Phe Lys Ser Val His Tyr Leu Tyr Ser Pro Val Leu Ser Ile
20 25 30

Val Tyr Ile Ile Tyr Met Ile Lys Glu Asn Met His Asn Gln Thr Ser
35 40 45

Leu Asn Ile Val Phe Ala Pro Asp Glu Gln
50 55

<210> 5696
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5696
Thr Arg Cys Lys Arg Phe Val Asn Ser Leu Ala Pro Lys Leu Ser His
1 5 10 15

Trp Arg Arg Asp Phe Xaa His Tyr Ala Glu Ser Gly Trp Val Glu Phe
20 25 30

Arg Thr Ala Thr Leu Val Ala Glu Glu Leu His Gln Leu Gly Tyr Ser
35 40 45

Leu Ala Leu Gly Arg Glu
50

<210> 5697
<211> 57
<212> PRT
<213> Homo sapiens

<400> 5697
Gln Gln Phe Gly Arg Asp Gly Ser Pro Ala Ala Tyr Val Gly Gly Pro
1 5 10 15

Ser Val Gly Leu Arg Val Arg Val Ala Met Ala Val Asp Ile Thr Leu
20 25 30

Leu Phe Arg Ala Ser Val Lys Thr Val Lys Thr Arg Asn Lys Arg Trp

35 40 45

Glu Trp Arg Trp Ala Thr Gly Ser Met
50 55

<210> 5698
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5698
Gln Lys Ser Pro Ser Val Glu Asp Gly Leu Lys Gly Arg Asp Gln Thr
1 5 10 15

Xaa Met Asp Thr Asn Pro Lys Thr Glu Asp Ala Pro Cys Leu Pro His
20 25 30

Glu Ala Tyr Leu Ser Ala Cys Val Ser Met Ile Ala Gly Ile Glu Leu
35 40 45

Leu Gly Thr Ser Arg Met Ile Tyr Leu Ala Ile Cys Phe Leu His Ser
50 55 60

Lys Asn Gln Asn Gly Pro Val Ile Pro Asn Arg Glu Asn Arg Ala Asn
65 70 75 80

Ser Leu Phe Ser Pro Leu Pro Ser Glu Ala Ser Phe
85 90

<210> 5699
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5699
Gly Arg Gly Trp Gly Trp Glu Gly Thr Val Leu Pro Gly Glu Ala Glu
1 5 10 15

```
Glu Asp Arg Val Gly Leu Arg Ala Arg Arg Arg Pro Ser Arg Leu Leu
             20                  25                  30

Ala Pro Leu Ala Trp Cys Pro Ala Pro Gly Arg Glu Ala Ala Gly Leu
         35                  40                  45

Asp Arg Ala Gly Leu Pro Gly Gly Ala Arg Ala Leu Ala Ala Gly Arg
     50                  55                  60

Pro Leu Leu Ser Ala Met Ala Gly Leu His Pro Trp Val Ile Phe Ser
 65                  70                  75                  80

Gly Pro Leu Trp Pro Leu Leu Thr Pro Arg Glu Gln Thr Thr Arg Thr
                 85                  90                  95

Thr Gln Glu Gln Ile Lys Ser Arg Pro Gln Pro Xaa Arg Glu Arg Ala
            100                 105                 110

Ser Ile Leu Phe Ala Pro Arg Val Ala Val
        115                 120
```

<210> 5700
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5700

```
Ala Glu Leu Thr Pro Ser Ser Lys Leu Thr Val Asp Thr Asp Thr Leu
  1               5                  10                  15

Thr Pro Ser Ser Thr Leu Cys Glu Asn Ser Val Ser Glu Leu Leu Thr
             20                  25                  30

Pro Ala Lys Ala Glu Xaa Ser Xaa His Pro Asn Ser Asp Phe Phe Gly
         35                  40                  45

Gln Glu Gly Glu Thr Gln Phe Gly Phe Pro Asn Ala Ala Gly Asn His
     50                  55                  60
```

Gly Ser Gln Lys Glu Arg Asn Leu Ile Thr Val Thr Gly Ser Ser Phe
65 70 75 80

Leu Val

<210> 5701
<211> 316
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5701
Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Thr Gly Xaa Asn Asn
1 5 10 15

Thr Lys Ala Phe Glu Val Pro Ala Xaa Ala Asn Phe Leu Asn Ser Asn
20 25 30

Asp Val Phe Val Leu Lys Thr Gln Ser Cys Cys Tyr Leu Trp Cys Gly
35 40 45

Lys Gly Cys Ser Gly Asp Glu Arg Glu Met Ala Lys Met Val Ala Asp
50 55 60

Thr Ile Ser Arg Thr Glu Lys Gln Val Val Val Glu Gly Gln Glu Pro
65 70 75 80

Ala Asn Phe Trp Met Ala Leu Gly Gly Lys Ala Pro Tyr Ala Asn Thr
85 90 95

Lys Arg Leu Gln Glu Glu Asn Leu Val Ile Thr Pro Arg Leu Phe Glu
100 105 110

Cys Ser Asn Lys Thr Gly Arg Phe Leu Ala Thr Glu Ile Pro Asp Phe
115 120 125

Asn Gln Asp Asp Leu Glu Glu Asp Asp Val Phe Leu Leu Asp Val Trp
130 135 140

```
Asp Gln Val Phe Phe Trp Ile Gly Lys His Ala Asn Glu Glu Glu Lys
145                 150                 155                 160

Lys Ala Ala Ala Thr Thr Ala Gln Glu Tyr Leu Lys Thr His Pro Ser
                165                 170                 175

Gly Arg Asp Pro Glu Thr Pro Ile Ile Val Val Lys Gln Gly His Glu
            180                 185                 190

Pro Pro Thr Phe Thr Gly Trp Phe Leu Ala Trp Asp Pro Phe Lys Trp
        195                 200                 205

Ser Asn Thr Lys Ser Tyr Glu Asp Leu Lys Ala Glu Leu Gly Asn Ser
    210                 215                 220

Arg Asp Trp Ser Gln Ile Thr Ala Glu Val Thr Ser Pro Lys Val Asp
225                 230                 235                 240

Val Phe Asn Ala Asn Ser Asn Leu Ser Ser Gly Pro Leu Pro Ile Phe
                245                 250                 255

Pro Leu Glu Gln Leu Val Asn Lys Pro Val Glu Glu Leu Pro Glu Gly
            260                 265                 270

Val Asp Pro Ser Arg Lys Glu Glu His Leu Ser Ile Glu Asp Phe Thr
        275                 280                 285

Gln Ala Phe Gly Met Thr Pro Ala Ala Phe Ser Ala Leu Pro Arg Trp
    290                 295                 300

Lys Gln Gln Asn Leu Lys Lys Glu Lys Gly Leu Phe
305                 310                 315
```

<210> 5702
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5702
Gly Lys Lys Glu Glu Asn Asn Pro Val Ser Leu Glu Val Gly Val Trp
1 5 10 15

Val Gly Thr Gly Asp Pro Gly Val Val Met Met Lys Thr Arg Ala Gly
20 25 30

Phe Gly Gly Arg Leu Arg Leu Phe Arg Ser Leu Leu Ser Pro Pro Pro
35 40 45

Ser Arg Ser Leu Pro Pro Pro Pro His Xaa Ser Ala Gly Lys Ala Ala
50 55 60

Cys Ala Ala Pro Gly Gly Glu Met Val Asp Ala His Glu Leu Cys Met
65 70 75 80

Trp Phe Leu Xaa Xaa Leu Ser Val Leu Gly Pro Val Phe Gly Gly Thr
85 90 95

Pro Lys Gly

<210> 5703
<211> 292
<212> PRT
<213> Homo sapiens

<400> 5703
Leu Gln Ala Ile Pro Ala Lys Lys Ala Pro Leu Gln Leu Leu Ser Arg
1 5 10 15

Leu Cys Gly Asp His Leu Gln Ala Ile Pro Ala Lys Lys Ala Pro Ala
20 25 30

Gly Gln Glu Glu Pro Gly Thr Pro Pro Ser Ser Pro Leu Ser Ala Glu
35 40 45

Gln Leu Asp Arg Ile Gln Arg Asn Lys Ala Ala Ala Leu Leu Arg Leu
50 55 60

Ala Ala Arg Asn Val Pro Val Gly Phe Gly Glu Ser Trp Lys Lys His
65 70 75 80

Leu Ser Gly Glu Phe Gly Lys Pro Tyr Phe Ile Lys Leu Met Gly Phe

85 90 95

Val Ala Glu Glu Arg Lys His Tyr Thr Val Tyr Pro Pro Pro His Gln
100 105 110

Val Phe Thr Trp Thr Gln Met Cys Asp Ile Lys Asp Val Lys Val Val
115 120 125

Ile Leu Gly Gln Asp Pro Tyr His Gly Pro Asn Gln Ala His Gly Leu
130 135 140

Cys Phe Ser Val Gln Arg Pro Val Pro Pro Pro Pro Ser Leu Glu Asn
145 150 155 160

Ile Tyr Lys Glu Leu Ser Thr Asp Ile Glu Asp Phe Val His Pro Gly
165 170 175

His Gly Asp Leu Ser Gly Trp Ala Lys Gln Gly Val Leu Leu Leu Asn
180 185 190

Ala Val Leu Thr Val Arg Ala His Gln Ala Asn Ser His Lys Glu Arg
195 200 205

Gly Trp Glu Gln Phe Thr Asp Ala Val Val Ser Trp Leu Asn Gln Asn
210 215 220

Ser Asn Gly Leu Val Phe Leu Leu Trp Gly Ser Tyr Ala Gln Lys Lys
225 230 235 240

Gly Ser Ala Ile Asp Arg Lys Arg His His Val Leu Gln Thr Ala His
245 250 255

Pro Ser Pro Leu Ser Val Tyr Arg Gly Phe Phe Gly Cys Arg His Phe
260 265 270

Ser Lys Thr Asn Glu Leu Leu Gln Lys Ser Gly Lys Lys Pro Ile Asp
275 280 285

Trp Lys Glu Leu
290

<210> 5704
<211> 103
<212> PRT
<213> Homo sapiens

<400> 5704
Phe Leu Arg Cys Val Asp Leu Asp Gly Arg Cys Asp Met Leu Val Phe
1 5 10 15

```
Leu Thr Cys Ile Tyr Leu Arg His Cys Tyr Arg Asp Thr Val Val Thr
            20                  25                  30

Phe Trp Gly Thr Val Phe Gly Glu Arg Gly Val His Leu Asp Leu Cys
        35                  40                  45

Gly Thr Val Gln Ile Val Met Trp Leu His Arg Lys Pro Cys Ala Lys
    50                  55                  60

Asn Lys Leu His Leu Lys Asn Ile Lys Asn Leu Arg Phe Met Cys Phe
65                  70                  75                  80

Leu Ser Phe Ser Leu Arg Lys Gln Lys Ser Ser Gly Leu Arg Tyr Leu
                85                  90                  95

Thr Leu His Val Lys Thr Leu
            100
```

<210> 5705
<211> 173
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (157)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5705

```
Ala Ser Met Ala Thr Ala Ala Thr Glu Glu Pro Phe Pro Phe His Gly
  1               5                  10                  15

Leu Leu Pro Lys Lys Glu Thr Gly Ala Ala Ser Phe Leu Cys Arg Tyr
```

20 25 30

Pro Glu Tyr Asp Gly Arg Gly Val Leu Ile Ala Val Leu Asp Thr Gly
35 40 45

Val Asp Pro Gly Ala Pro Gly Met Gln Val Thr Thr Asp Gly Lys Pro
50 55 60

Lys Ile Val Asp Ile Ile Asp Thr Thr Gly Ser Gly Asp Val Asn Thr
65 70 75 80

Ala Thr Glu Val Glu Pro Lys Asp Gly Glu Ile Val Gly Leu Ser Gly
85 90 95

Arg Val Leu Lys Ile Pro Ala Ser Trp Thr Asn Pro Ser Gly Lys Tyr
100 105 110

His Ile Gly Ile Lys Asn Gly Tyr Asp Phe Tyr Pro Lys Ala Leu Lys
115 120 125

Glu Arg Xaa Gln Lys Glu Arg Lys Glu Lys Ile Trp Asp Pro Val His
130 135 140

Arg Xaa Ala Leu Ala Glu Ala Cys Arg Xaa Gln Glu Xaa Phe Asp Val
145 150 155 160

Ala Asn Asn Gly Ser Ser Gln Ala Asn Lys Leu Ile Lys
165 170

<210> 5706
<211> 77
<212> PRT
<213> Homo sapiens

<400> 5706
Thr Leu Val Ala Glu Ala Thr Met Asp Leu Leu Leu Gly Asp Ser Trp
1 5 10 15

Gly Ser Pro Arg Pro Pro Arg Ala Glu Arg Gly Asp Glu Glu Phe Gly
20 25 30

Thr Val Gly Glu Glu Met Gly Arg Asp Gly Ile Ser Gly Ser Gln Ser
35 40 45

Gly Trp Asp Thr His Ala Gln Leu Leu His Trp Trp Gly Val Gly His
50 55 60

Thr Leu Phe Leu Thr Gly His Asp Leu Gln Glu Glu Lys
65 70 75

<210> 5707
<211> 53
<212> PRT
<213> Homo sapiens

<400> 5707
Ile Gln His Leu Met Gln Val Ser Ser Trp Val Val Phe Gln Leu Val
1 5 10 15

Trp Asn Ser Leu Val Leu Thr Gln Thr Gly Ile Lys His Tyr Phe Arg
20 25 30

Phe Ser Leu Cys Gln Phe Leu Ser Ser Tyr Asn His Val Asn Gln Asp
35 40 45

Val Arg Thr Ser Ile
50

<210> 5708
<211> 64
<212> PRT
<213> Homo sapiens

<400> 5708
Gln Pro Gln Cys Pro Ala Ser Leu Thr Ser Ser Phe Leu Cys Pro Leu
1 5 10 15

Cys Gly Ser Leu Leu Leu Val Ser Ala Phe Ser Met Leu Arg Thr Lys
20 25 30

Ser Pro Ile His Cys Leu Cys Ser Arg Lys Leu Gln Lys Asn Lys Glu
35 40 45

Pro Asn Tyr Gln Asn His Ile Lys Ser Pro Leu Phe Cys Leu Gly Ile
50 55 60

<210> 5709
<211> 39
<212> PRT
<213> Homo sapiens

<400> 5709
Ala Ala Phe Phe Leu Leu Arg Leu Ser Leu Phe Val Leu Leu Pro Lys
1 5 10 15

Arg Gln Leu Pro Glu Phe Gly Cys Leu Asn Tyr Asn Leu Cys Arg Asn
20 25 30

Ser Ser Val Asn Thr Phe Lys
35

<210> 5710
<211> 112
<212> PRT
<213> Homo sapiens

<400> 5710
Gln Leu Gln Leu Phe Cys Leu Gly Phe Gln Leu Phe Leu Val Arg Val
1 5 10 15

Cys Ser Leu Met Ile Trp Ile Tyr Phe Ala Phe Ile Phe Gln Arg Leu
20 25 30

His Leu Ile Pro Gly Lys Ser Ser Ala Arg Gln Val Ser Gly Phe Ser
35 40 45

Leu Leu Ser Phe Asn Pro Ser Asn Thr Ile Phe Val Lys Leu Asp Trp
50 55 60

Trp Cys Phe Ile Gln Leu Ile Tyr Ser Ala Tyr Leu Phe Glu Lys Arg
65 70 75 80

Leu Leu Glu Ile Asp Asp Val Phe Val Pro Val Ile Leu Lys Val Val
85 90 95

Gly Ala Arg Ile Glu Phe His Ser Gly Ile Gly Phe Gly Ser Gly Leu
100 105 110

<210> 5711
<211> 62
<212> PRT
<213> Homo sapiens

<400> 5711
Trp Val Met Glu Tyr Asn Leu Glu Lys Lys Arg Asn Lys Arg Asp Cys

```
  1               5                  10                  15

Val Ser Pro Cys Cys Pro Gly Trp Ser Arg Thr Ser Glu Leu Lys Gln
            20                  25                  30

Ser Thr Leu Leu Ser Leu Gln Lys Cys Trp Asp Tyr Arg His Glu Thr
        35                  40                  45

Pro Ser Pro Ala Ile Arg Phe Leu Phe Tyr Ile Tyr Met Lys
    50                  55                  60
```

<210> 5712
<211> 194
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (173)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (192)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5712

```
Pro Met Arg Arg Pro Arg Gly Glu Pro Gly Pro Arg Ala Pro Arg Pro
  1               5                  10                  15

Thr Glu Gly Ala Thr Cys Ala Gly Pro Gly Glu Ser Trp Ser Pro Ser
            20                  25                  30

Pro Asn Ser Met Leu Arg Val Leu Leu Ser Ala Gln Thr Ser Pro Ala
        35                  40                  45

Arg Leu Ser Gly Leu Leu Leu Ile Pro Pro Val Gln Pro Cys Cys Leu
    50                  55                  60
```

BNSDOCID: <WO 0122920A2 I >

Gly Pro Ser Lys Trp Gly Asp Arg Pro Val Gly Gly Gly Pro Ser Ala
65 70 75 80

Gly Pro Val Gln Gly Leu Gln Arg Leu Leu Glu Gln Ala Lys Ser Pro
85 90 95

Gly Glu Leu Leu Xaa Trp Leu Gly Gln Asn Pro Ser Lys Val Arg Ala
100 105 110

Xaa His Tyr Ser Val Ala Leu Arg Arg Leu Gly Gln Leu Leu Gly Ser
115 120 125

Arg Pro Arg Pro Pro Pro Val Glu Gln Val Thr Leu Gln Asp Leu Ser
130 135 140

Gln Leu Ile Ile Arg Asn Cys Pro Ser Phe Asp Ile His Thr Ile His
145 150 155 160

Val Cys Leu His Leu Ala Val Leu Leu Gly Phe Pro Xaa Asp Gly Pro
165 170 175

Leu Val Cys Ala Leu Glu Gln Glu Pro Lys Leu Arg Leu Leu Arg Xaa
180 185 190

His Leu

<210> 5713
<211> 275
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5713
Arg Trp Ala Thr Tyr Gly Arg Thr Gly Gly Leu Pro Asn Val Gly Lys

5019

1 5 10 15

Ser Ser Thr Ile Asn Xaa Ile Met Gly Asn Lys Lys Val Ser Val Ser
20 25 30

Ala Thr Pro Gly His Thr Lys His Phe Gln Thr Leu Tyr Val Xaa Pro
35 40 45

Gly Leu Cys Leu Cys Asp Cys Pro Gly Leu Val Met Pro Ser Phe Val
50 55 60

Ser Thr Lys Ala Glu Met Thr Cys Ser Gly Ile Leu Pro Ile Asp Gln
65 70 75 80

Met Arg Asp His Val Pro Pro Val Ser Leu Val Cys Gln Asn Ile Pro
85 90 95

Arg His Val Leu Xaa Ala Thr Tyr Gly Ile Asn Ile Ile Thr Pro Arg
100 105 110

Glu Asp Glu Asp Pro His Arg Pro Pro Thr Ser Glu Glu Leu Leu Thr
115 120 125

Ala Tyr Gly Tyr Met Arg Gly Phe Met Thr Ala His Gly Gln Pro Asp
130 135 140

Gln Pro Arg Ser Ala Arg Tyr Ile Leu Lys Asp Tyr Val Ser Gly Lys
145 150 155 160

Leu Leu Tyr Cys His Pro Pro Pro Gly Arg Asp Pro Val Thr Phe Gln
165 170 175

His Gln His Gln Arg Leu Leu Glu Asn Lys Met Asn Ser Asp Glu Ile
180 185 190

Lys Met Gln Leu Gly Arg Asn Lys Lys Ala Lys Gln Ile Glu Asn Ile
195 200 205

Val Asp Lys Thr Phe Phe His Gln Glu Asn Val Arg Ala Leu Thr Lys
210 215 220

Gly Val Gln Ala Val Met Gly Tyr Lys Pro Gly Ser Gly Val Val Thr
225 230 235 240

Ala Ser Thr Ala Ser Ser Glu Asn Gly Ala Gly Lys Pro Trp Lys Lys
245 250 255

His Gly Asn Arg Asn Lys Lys Glu Lys Ser Arg Arg Leu Tyr Lys His
260 265 270

Leu Asp Met

BNSDOCID: <WO 0122920A2 I >

275

<210> 5714
<211> 94
<212> PRT
<213> Homo sapiens

<400> 5714
His Glu Leu Glu His Thr Leu Val Met Ala Gly Pro Asn Ser Lys Arg
1 5 10 15

Gln Thr Gln Gly Val His Val Pro Arg Met Leu Gln Pro Ala Leu Gly
20 25 30

Pro Arg Val Ser His Glu Asp Trp Pro Pro Leu Cys Thr Gly Ala Arg
35 40 45

Gly Gly Gln Val Pro Val Leu Ala Arg Leu Leu Ala Ala Val Pro Thr
50 55 60

Glu Thr Thr Ala Leu Leu Cys Phe Pro Arg Arg Gly Ala Trp Leu Leu
65 70 75 80

Ala Val Arg Ala Gly Leu Phe Gln Lys Val Gly Pro Cys Pro
85 90

<210> 5715
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5715
Gly Gln Val Ala Ala Leu Ser Pro Arg Val Val Pro Gly Arg Leu Arg
1 5 10 15

Ser Ser Pro Lys Arg Gly Cys Ser Ser Gly Lys Gln Val Asn Ser Trp
20 25 30

Tyr Phe Thr Phe Leu Gly Asn Thr Xaa Asn Glu Asp Leu Gln Leu
35 40 45

BNSDOCID: <WO 0122920A2 1 >

<210> 5716
<211> 71
<212> PRT
<213> Homo sapiens

<400> 5716
Pro Lys Thr Val Ser Lys Met His Ile Lys Ser Ile Ile Leu Glu Gly
1 5 10 15

Phe Lys Ser Tyr Ala Gln Arg Thr Glu Val Asn Gly Phe Asp Pro Leu
20 25 30

Phe Asn Ala Ile Thr Gly Leu Asn Gly Ser Gly Lys Ser Asn Ile Leu
35 40 45

Asp Ser Ile Cys Phe Leu Leu Gly Ile Ser Asn Leu Ser Gln Val Arg
50 55 60

Ala Ser Lys Phe Thr Arg Phe
65 70

<210> 5717
<211> 52
<212> PRT
<213> Homo sapiens

<400> 5717
Pro Thr Tyr Gly Cys Trp Asp Asn Ser Pro Ser Arg Met Tyr Cys Cys
1 5 10 15

Ser Ala Gln Asp Ser Lys Met Asp Tyr Lys Arg Arg Phe Leu Leu Gly
20 25 30

Gly Ser Lys Gln Lys Val Gln Gln His Ser Asn Thr Arg Cys Leu Ser
35 40 45

Trp Ala Glu His
50

<210> 5718
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO_0122920A2_I_>

<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5718

```
Phe Gly Thr Lys Glu Thr Val Asn Lys Asp Ile Cys Glu Lys Gly Thr
 1               5                  10                  15

Ile Gln Gln Met Ile Gly Ile Phe Lys Asn Ile Ile Ser Lys Pro Asn
            20                  25                  30

Glu Lys Glu Glu Ala Ile Val Leu Glu Ile Gln Ser Asp Ile Leu Leu
        35                  40                  45

Ile Leu Ser Gly Xaa Cys Glu Asn His Ile Gln Arg Lys Glu Ile Phe
    50                  55                  60

Gly Thr Glu Gly Val Asp Ile Val Leu His Val Met Lys Thr Asp Pro
65                  70                  75                  80

Arg Lys Leu Gln Ser Gly Leu Gly Tyr Asn Val Leu Leu Phe Ser Thr
                85                  90                  95

Leu Asp Ser Ile Trp Cys Cys Ile Leu Gly Cys Tyr Pro Ser Glu Asp
            100                 105                 110

Tyr Phe Leu Glu Lys Glu Gly Ile Phe Leu Leu Leu Asp Leu Leu Ala
        115                 120                 125

Leu Asn Gln Lys Asn Ser Val Ile
    130                 135
```

<210> 5719
<211> 67
<212> PRT
<213> Homo sapiens

<400> 5719

```
Lys Ser Leu Gly Glu Lys Lys Ser His Thr Val Phe Leu Ala Ile Arg
 1               5                  10                  15

Ile Met Lys Thr Asn Phe Gly Glu Cys Glu Gln Leu Arg Gln Thr Gly
            20                  25                  30

His Arg Leu Gln Gly Leu Thr Ser Leu Thr Val Thr Asp Asn Leu Gly
        35                  40                  45

Met Asp Pro Thr Ala Asp Val Ser Lys Gly His Arg Gly Glu Leu Val
    50                  55                  60
```

Thr Ser Asn
65

<210> 5720
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5720
Leu Ile Arg Xaa Gln Ser Trp Ser Ser Thr Ala Val Ala Ala Ala Leu
1 5 10 15

Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Leu Leu
20 25 30

Gln Lys Gly Tyr Ile Ile Leu Ser Leu Val Ile Gln Arg Tyr Ser
35 40 45

<210> 5721
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5721
Val Leu Leu Asn Trp Ile Ile Gln Tyr Tyr Gly Tyr Asn Val Ile Gln
1 5 10 15

Tyr Tyr Gly Gly Ile Cys Val Ile Ile Xaa Ile Asn Asn Thr Gly Glu
20 25 30

Ile Ser Gly Arg Gln Lys Ser Glu Met Ala Leu Thr Glu Phe Lys Ser
35 40 45

Arg Cys Trp Glu Gly Ser Thr Pro Leu Gly Gly Cys Gly Gly Gly Ser
50 55 60

Ile Ser Leu Pro Ser Pro Thr Tyr Gly Leu Cys Ile Pro Trp Leu Val

65 70 75 80

Ala Pro Ser Ser Ile Phe Lys Ala Ser Ser Val Val Leu Pro Ile Ser
85 90 95

Leu Ile Phe Leu
100

<210> 5722
<211> 63
<212> PRT
<213> Homo sapiens

<400> 5722
Ala Arg Ala Glu Ile Gly Phe Leu Glu Gly Ser Ser Gly Lys Trp Pro
1 5 10 15

Asp Ser Ile Leu Arg Leu Cys Met Thr Ser Arg Tyr Tyr Pro Val Gly
20 25 30

Val Pro Trp Gly Ala Met Ala Ala Ile Arg Cys Arg Leu Gly Tyr Ile
35 40 45

Lys Trp Ala Glu Gly Thr Cys Leu Gly Arg Trp Gly Gly Leu Gln
50 55 60

<210> 5723
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5723
Phe Met Ile Leu Xaa Tyr Lys Ser Tyr Glu Phe Leu Glu Leu Gln Lys
1 5 10 15

Trp Pro Gly Val Val Ala His Thr Val Asn Pro Gly Thr Leu Gly Gly
20 25 30

Gln Gly Arg Arg Thr Thr
35

<210> 5724
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5724
Asp Glu Glu Val Tyr Ile Trp Val Ser Phe Leu His Pro Val Glu Ser
1 5 10 15

Ser Arg Lys Ser Gly Pro Ile Leu Ser Cys Ser Phe Thr Glu Lys Leu
20 25 30

Leu Ser Pro Phe Xaa Phe Leu Leu Asn Glu Leu Trp Ser Pro Asp Leu
35 40 45

Leu Cys Lys Gly Gln Pro Asp Pro Pro Phe Met His Ser Pro Ser Glu
50 55 60

Ser Leu Leu Val Ala Trp Leu Glu Xaa Ser Gly Ile Phe Glu Phe Trp
65 70 75 80

Pro Leu Gln Leu Ser Trp Gly Pro Xaa Gly Gly Leu Pro Pro Leu
85 90 95

<210> 5725
<211> 80
<212> PRT
<213> Homo sapiens

<400> 5725
His Glu Gly Val Ser Thr Ala Pro Ser Gln Lys Phe Tyr Ile Phe Tyr
1 5 10 15

```
Arg Gly Lys Lys Thr Leu Tyr Thr Met Ala Arg Pro Phe Leu Ser Gln
            20                  25                  30

Lys Ala Gly Pro Thr Glu Gln Phe Lys Leu Cys Ser Ser Arg Leu Lys
        35                  40                  45

Ala Gly Phe Val Glu Glu Leu Gln Leu Leu Ser Arg Ala Asn Pro Val
    50                  55                  60

Val Ile Gln Gly Glu Cys Lys Leu Ala Ser Leu Asp Arg Asp Gln Ser
65                  70                  75                  80
```

<210> 5726
<211> 51
<212> PRT
<213> Homo sapiens

<400> 5726

```
Ile Gln Ile Asn Phe His Ala His Leu Tyr Leu Lys Asp Ser Asp Phe
  1               5                  10                  15

Ser Leu Ser Gln Leu Arg Asn Ile Arg Leu Asn Pro Ala Val Leu Gln
            20                  25                  30

Met Phe Leu Leu Arg Leu Lys His Gln Leu Ile Asn Arg Tyr Leu Phe
        35                  40                  45

Ile Phe Asn
    50
```

<210> 5727
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5727

```
Pro Xaa Ser Ser Trp Asp Tyr Arg His Thr Pro Pro Cys Pro Ala His
  1               5                  10                  15
```

Phe Cys Ile Phe Ser Arg Asp Gly Val Ser Pro Cys Trp Pro Gly Trp
20 25 30

Leu His Leu Leu Thr Leu
35

<210> 5728
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5728
Ser Lys Asp Gly Ala Xaa Cys Xaa Lys Ser Lys Asp Leu Leu Lys Gln
1 5 10 15

Arg Tyr Leu Phe Ala Lys Ala Gly Tyr Pro Leu Arg Arg Ser Gln Ser
20 25 30

Leu Pro Thr Thr Leu Leu Ser Pro Val Arg Val Val Ser Ser Val Asn
35 40 45

Val Arg Leu Ser Pro Gly Lys Glu Thr Arg Cys Ser Pro Pro Ser Phe
50 55 60

Thr Tyr Lys Tyr Thr Pro Glu Glu Glu Gln Glu Leu Glu Lys Arg Val
65 70 75 80

Met Glu His Asp Gly Gln Ser Leu Val Lys Ser Thr Ile Phe Ile Ser
85 90 95

Pro Ser Ser Val Lys Lys Glu Glu Ala Pro Gln Ser Xaa Ala Pro Arg
100 105 110

<210> 5729
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5729
Ile Leu Phe Ala Pro Pro Arg Phe Ala Pro Glu Arg Gln Ser Ser Ser
1 5 10 15

Arg Gly Pro Leu Arg His Arg Tyr Ser Ser Gln Ile Xaa Thr His Phe
20 25 30

Thr Ala Thr Pro Gly Ile Leu Pro Pro Leu Arg Asp Ser Ser Leu Pro
35 40 45

Val Ser Asp Ala Val Pro Arg Leu Ser Pro Gly Ile Ser His Leu Thr
50 55 60

<210> 5730
<211> 63
<212> PRT
<213> Homo sapiens

<400> 5730
Ser Leu Ser Ala Pro Glu Leu Lys Ser Leu Ala Lys Thr Phe His Leu
1 5 10 15

Val Asn Pro Asn Gly Gln Lys Gln Gln Leu Val Asp Ala Phe Leu Lys
20 25 30

Leu Ala Lys Gln Arg Ser Val Cys Thr Trp Gly Lys Asn Lys Pro Gly
35 40 45

Ile Gly Ala Val Ile Leu Lys Arg Phe Cys Trp Leu Leu Leu Gln
50 55 60

BNSDOCID: <WO _ 0122920A2 I >>

<210> 5731
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5731
Glu Met Ser His Lys Glu Arg His Phe Glu Leu Leu Leu Lys Ser Cys
1 5 10 15

Lys Val Ser Tyr Pro Gly Thr Val Phe Leu Asn Gly Asn Val Met Ala
20 25 30

Glu Ser Cys Ser Ile Thr Thr Xaa Gly Leu Val His Gln Val Pro Thr
35 40 45

His Pro Leu Gln Ala Leu Gly Ser Gly Met Cys Pro Ser Trp Lys Xaa
50 55 60

Gln Val Leu Trp Leu Cys Trp Phe Trp Leu Ser Phe Ser Val Thr Phe
65 70 75 80

Gln Tyr Leu Ser Pro Ser Arg Tyr Cys Lys Pro Leu Ser Asn
85 90

<210> 5732
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5732
Gly Xaa Gly Phe Trp Pro Ala Ser Val Ala Arg Val Leu Thr Gly Val
1 5 10 15

BNSDOCID: <WO 0122920A2 I >

```
Thr Asn His Leu Ala Phe Asn Thr Lys Lys Pro His Ile Leu Arg Asn
            20                  25                  30

Pro Arg Thr Gln Lys Val Leu Gly Phe Val Ser Asp Ala Glu Gly Trp
        35                  40                  45

Val Glu Ser Met Lys Pro Thr Gln Arg Asp Asp Ser Thr Ile Cys Ser
    50                  55                  60

Ile Gly Trp Lys Trp Arg Gly
65                  70
```

<210> 5733
<211> 85
<212> PRT
<213> Homo sapiens

<400> 5733

```
His Gln Trp Arg Gly Ala Leu His Ile Leu Cys Gln Gln Gln His Ser
 1               5                  10                  15

His Thr Arg Trp Phe Trp Ala Leu Cys Arg Leu Val Leu Val Gly Asp
            20                  25                  30

Thr Gln Gln His Pro Cys Trp Thr Gly Leu Ile Val Arg Ser Leu Arg
        35                  40                  45

Pro Thr Leu Gln Ser Glu Met Leu Leu Gly Gly Gly Lys Glu Asn Thr
    50                  55                  60

Phe Phe Pro Pro Cys Gly Asn Glu Glu Arg Gly Lys Trp Ile Gly Lys
65                  70                  75                  80

Pro Lys Cys Glu Ser
                85
```

<210> 5734
<211> 123
<212> PRT
<213> Homo sapiens

<400> 5734

```
Phe Ser Leu Thr Leu Phe Pro Pro Pro Thr Cys His Gln Ala Ser Pro
 1               5                  10                  15

Lys Pro Thr Ala Met Gly Pro Ser Gly Pro Phe Arg Asp Trp Ser Glu
            20                  25                  30
```

Ile Trp Val Trp Arg Gly Arg Arg Gln Gly Gly Gly Ala Ser His Ser
35 40 45

Arg Thr Val Asp Glu Arg Asp Arg Leu Arg Arg Lys Trp Ala Leu Arg
50 55 60

Leu Gln Gly Trp Lys Ser Leu Pro Thr Ser His Ser Pro Ala Pro Ile
65 70 75 80

Tyr Leu Val Leu Pro Arg Gln Ile Gly Pro Phe Glu Ala Pro Glu Cys
85 90 95

Pro Gln Met Val Lys Thr Gln Phe Ser Leu Trp Glu Pro Lys Pro Gly
100 105 110

Cys Ile Gly Gly Gln Asp Pro Asp His Ser Leu
115 120

<210> 5735
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5735
Cys Cys Pro Ile Ala Ser Glu Ala Pro Trp Thr Ile Thr Asp Ala Glu
1 5 10 15

Glu Arg Val Xaa Leu Thr Val Glu Asp Ser Gln Pro Tyr Glu Asp Xaa
20 25 30

Glu Xaa Gly Arg Ser Ser Leu Ser Lys Val
35 40

<210> 5736
<211> 34
<212> PRT
<213> Homo sapiens

<400> 5736
Tyr Pro Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser
1 5 10 15

Gly Ile Pro Gly Ser Thr His Ala Ser Gly Ile Leu Gly Leu Arg Phe
20 25 30

Phe Met

<210> 5737
<211> 202
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (195)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5737
Tyr Ser Arg Pro Gln Ala His Ser Ser Ala Ser Gly Gly Ile Arg Arg
1 5 10 15

Ser Ser Ser Met Ser Tyr Val Asp Gly Phe Ile Gly Thr Trp Pro Lys
20 25 30

Glu Lys Arg Ser Ser Val His Gly Val Ser Phe Asp Ile Ser Phe Asp
35 40 45

Lys Glu Asp Ser Val Gln Arg Ser Thr Pro Asn Arg Gly Ile Thr Arg
50 55 60

Ser Ile Ser Asn Glu Gly Leu Thr Leu Asn Asn Ser His Val Ser Lys
65 70 75 80

His Ile Arg Lys Asn Leu Ser Phe Lys Pro Ile Asn Gly Glu Glu Glu

85 90 95

Ala Glu Ser Ile Glu Glu Glu Leu Asn Ile Asp Ser His Ser Asp Leu
100 105 110

Lys Ser Cys Val Pro Leu Asn Thr Asn Glu Leu Asn Ser Asn Glu Asn
115 120 125

Ile His Tyr Lys Leu Pro Asn Gly Ala Leu Gln Asn Arg Ile Leu Leu
130 135 140

Asp Glu Phe Gly Asn Gln Ile Glu Thr Pro Ser Ile Glu Glu Ala Leu
145 150 155 160

Gln Ile Ile His Asp Thr Xaa Lys Ser Pro His Thr Pro Gln Pro Asp
165 170 175

Gln Ile Ala Asn Gly Phe Phe Leu His Ser Gln Gly Met Ser Ile Leu
180 185 190

Asn Ser Xaa Ile Lys Leu Asn Gln Ser Ser
195 200

<210> 5738
<211> 35
<212> PRT
<213> Homo sapiens

<400> 5738
Gly Arg Ile Ser His Val Gly Ser Arg Thr Glu Gly Ser Arg Leu Pro
1 5 10 15

Ala Gln Cys Ser Leu Cys Ser Thr Met Leu Pro Leu Val Gly Glu Thr
20 25 30

Gly Gln Lys
35

<210> 5739
<211> 35
<212> PRT
<213> Homo sapiens

<400> 5739
Gln Trp Gly Lys Lys Ala Val Ser Arg Gly Phe Ser Lys Gly Asn Thr
1 5 10 15

BNSDOCID: <WO 0122920A2 | >

Gln Met Ala Lys Lys His Met Gln Arg Cys Ser Met Phe Phe Val Ile
20 25 30

Arg Lys Met
35

<210> 5740
<211> 220
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5740
Glu Lys Thr Ile Leu Thr Gly Glu Cys Cys Tyr Leu Asn Pro Leu Leu
1 5 10 15

Arg Arg Ile Ile Arg Phe Thr Gly Val Phe Ala Phe Gly Leu Phe Ala
20 25 30

Thr Asp Ile Phe Val Asn Ala Gly Gln Val Val Thr Gly His Leu Thr
35 40 45

Pro Tyr Phe Leu Thr Val Cys Lys Pro Asn Tyr Thr Ser Ala Asp Cys
50 55 60

Xaa Ala His His Gln Phe Ile Asn Asn Gly Asn Ile Cys Thr Gly Asp
65 70 75 80

Arg Glu Val Ile Glu Lys Ala Arg Arg Ser Phe Pro Ser Lys His Xaa
85 90 95

Ala Leu Ser Ile Tyr Ser Ala Leu Tyr Ala Thr Met Tyr Ile Thr Ser
100 105 110

Thr Ile Lys Thr Xaa Ser Ser Arg Leu Ala Lys Pro Val Leu Cys Leu

BNSDOCID: <WO_ 0122920A2 I >

```
        115                 120                 125

Gly Thr Leu Cys Thr Ala Phe Leu Thr Gly Leu Asn Arg Val Ser Glu
    130                 135                 140

Tyr Arg Asn His Cys Ser Asp Val Ile Ala Gly Phe Ile Leu Gly Thr
145                 150                 155                 160

Ala Val Ala Leu Phe Leu Gly Met Cys Val Val His Asn Phe Lys Gly
                165                 170                 175

Thr Gln Gly Ser Pro Ser Lys Pro Lys Pro Glu Asp Pro Arg Gly Val
            180                 185                 190

Pro Leu Met Ala Phe Pro Arg Ile Glu Ser Pro Leu Glu Thr Leu Ser
        195                 200                 205

Ala Gln Asn His Ser Ala Ser Met Thr Glu Val Thr
    210                 215                 220
```

<210> 5741
<211> 38
<212> PRT
<213> Homo sapiens

<400> 5741

```
Lys Thr Phe Arg Leu Phe Leu Ala Ile Ser Leu Thr Phe Ala Thr Ile
  1               5                  10                  15

Val Thr Lys His Ser Leu Tyr Met His Pro Pro Asn Val Ser Cys Leu
             20                  25                  30

Phe Ile Gly Lys Leu Tyr
         35
```

<210> 5742
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5742
Trp Gln Gly His Trp Pro Gly Pro His Leu Pro Ser Ser Xaa Leu Pro
1 5 10 15

Lys Arg Lys Leu Pro Trp Xaa Ser Arg Pro Leu Asn Ala Asn Ser Trp
20 25 30

Leu Pro Val Ser Gly Trp Val Asp Leu Thr Trp Pro Leu Leu Ala Gly
35 40 45

Pro Cys Ser Phe Leu Thr Cys Arg Xaa Glu Gln
50 55

<210> 5743
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5743
Xaa Leu Val Ala Gly Asp Ile Val Leu Asp Lys Leu Gly Glu Arg Leu
1 5 10 15

Ala Ile Leu Leu Lys Val Arg Asp Met Val Ser Ser His Val Glu Arg
20 25 30

Val Phe Gln Ile Tyr Glu Gln His Ala Asp Thr Val Gly Ile Asp Ala
35 40 45

Val Leu Gln Pro Ser Ala Val Ser Pro Ser Val Ala Asp Met Leu Glu
50 55 60

Trp Leu Gln Asp Ile Glu Arg His Tyr Arg Lys Ser Tyr Leu Lys Arg
65 70 75 80

Lys Tyr Leu Leu Ser Ser Ile Gln Trp Gly Asp Leu Ala Asn Ile Gln
85 90 95

Ala Leu Pro Lys Ala Trp Asp Arg Ile Ser Lys Asp Glu His Gln Asp
100 105 110

Leu Val Gln Asp Ile Leu Leu Asn Val Ser
115 120

<210> 5744
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5744
Thr Xaa Asn Phe His Xaa Arg Xaa Glu Val Ile Asn Ser Gly His Gln
1 5 10 15

Arg Ile Leu Ala Ser Ala Leu Gly Leu Val Met Tyr Gln Val Trp Tyr
20 25 30

Tyr Phe Leu Phe Val Leu Ile Arg Phe Leu Pro Ser Ser Ser Ile Trp
35 40 45

Glu Ile Lys Thr Gly Leu Leu Ala Trp Leu Val Thr Glu Arg Gln Ala
50 55 60

His Ser
65

<210> 5745
<211> 59
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5745
Ser Phe Pro Pro Arg Asn Ser Pro Arg Leu Lys Thr Xaa Leu His Tyr
1 5 10 15

Gln Val Met Arg Cys Glu Gly Gly Ser Leu Lys Val Glu Asn Leu Gly
20 25 30

Val Glu Ala Thr Val Pro Ser Trp Xaa Leu Ser Phe Leu Ile Cys Glu
35 40 45

Met Arg Val Asn Val Lys Leu Leu Cys Lys Met
50 55

<210> 5746
<211> 117
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5746
Lys Ala Thr Leu Leu Ser Cys Glu Ala His His Leu Ser Leu Ala Leu
1 5 10 15

Gly Ser Ser Cys Arg Arg Ser Leu Gly Pro Leu Met His Pro Phe Gln
20 25 30

Gln Thr Phe His Phe Gly Val Arg Xaa Asp Phe Leu Ala Leu Gln Gly
35 40 45

```
Ala Pro Ala Ser Ser Cys Ile Pro Cys Pro Gly Pro Gly Ile Ser Pro
     50                  55                  60

Phe Ser Lys Glu Pro Arg Val Leu Leu Leu Ala Ser Leu Lys Arg Val
 65                  70                  75                  80

Arg Pro Gly Cys Gln Ala Gly Ser Pro Arg Ser Phe Tyr Trp Glu Val
                 85                  90                  95

Leu Glu Ser Glu Ala Trp Val Pro Gly Gly Cys Gln Val Gly Xaa Val
            100                 105                 110

Leu Leu Gly Cys Cys
        115
```

<210> 5747
<211> 52
<212> PRT
<213> Homo sapiens

<400> 5747

```
Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Gly Ser Thr Ala Val Thr
  1               5                  10                  15

Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
             20                  25                  30

Gly Leu Val Arg Val Phe Phe Phe Phe Phe Phe Lys Thr Asn Thr Phe
         35                  40                  45

Ile Ala His Leu
     50
```

<210> 5748
<211> 270
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (266)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5748

```
Thr Leu Glu Gln Glu Gln Glu Ala Leu Val Asn Arg Leu Trp Lys Arg
  1               5                  10                  15
```

5040

```
Met Asp Lys Leu Glu Ala Glu Lys Arg Ile Leu Gln Glu Lys Leu Asp
            20                  25                  30

Gln Pro Val Ser Ala Pro Pro Ser Pro Arg Asp Ile Ser Met Glu Ile
        35                  40                  45

Asp Ser Pro Glu Asn Met Met Arg His Ile Arg Phe Leu Lys Asn Glu
    50                  55                  60

Val Glu Arg Leu Lys Lys Gln Leu Arg Ala Ala Gln Leu Gln His Ser
65                  70                  75                  80

Glu Lys Met Ala Gln Tyr Leu Glu Glu Glu Arg His Met Arg Glu Glu
                85                  90                  95

Asn Leu Arg Leu Gln Arg Lys Leu Gln Arg Glu Met Glu Arg Arg Glu
            100                 105                 110

Ala Leu Cys Arg Gln Leu Ser Glu Ser Glu Ser Ser Leu Glu Met Asp
        115                 120                 125

Asp Glu Arg Tyr Phe Asn Glu Met Ser Ala Gln Gly Leu Arg Pro Arg
    130                 135                 140

Thr Val Ser Ser Pro Ile Pro Tyr Thr Pro Ser Pro Ser Ser Ser Arg
145                 150                 155                 160

Pro Ile Ser Pro Gly Leu Ser Tyr Ala Ser His Thr Val Gly Phe Thr
                165                 170                 175

Pro Pro Thr Ser Leu Thr Arg Ala Gly Met Ser Tyr Tyr Asn Ser Pro
            180                 185                 190

Gly Leu His Val Gln His Met Gly Thr Ser His Gly Ile Thr Arg Pro
        195                 200                 205

Ser Pro Arg Arg Ser Asn Ser Pro Asp Lys Phe Lys Arg Pro Thr Pro
    210                 215                 220

Pro Pro Ser Pro Asn Thr Gln Thr Pro Val Gln Pro Pro Pro Pro Pro
225                 230                 235                 240

Pro Pro Pro Pro Met Gln Pro Thr Val Pro Ser Ala Ala Thr Ser Gln
                245                 250                 255

Pro Thr Pro Ser Gln His Ser Ala His Xaa Ser Ser Gln Pro
            260                 265                 270
```

<210> 5749

<211> 67
<212> PRT
<213> Homo sapiens

<400> 5749
Val Ile Gln Val Tyr Thr Ser Val Lys Ile Gln Arg Met Tyr Thr Gln
1 5 10 15

Asp Leu Cys Ile Ser Leu Tyr Val Asn Val Thr Leu Lys Cys Cys Lys
20 25 30

Gln Ile Leu Asn Lys Tyr Thr His Ala Lys Val Phe Lys Arg Lys Tyr
35 40 45

Trp Cys Leu Gln Asn Lys Asn Phe Phe Ser Ile Phe Cys Gly Lys Ile
50 55 60

Tyr Ile Ile
65

<210> 5750
<211> 152
<212> PRT
<213> Homo sapiens

<400> 5750
Pro Arg Gly Ser Val Gly Val Ser Ser Glu Leu His Gln Phe Pro Gly
1 5 10 15

Tyr Leu Gly Pro Trp Ile Thr Leu Arg Ser Ala Thr Cys Gln Leu Ile
20 25 30

Ser Lys Leu Leu Leu Ala Gly Leu Arg Leu Ser Arg Glu His Leu Gly
35 40 45

Glu Pro Cys Ala Ala Gly Trp Thr Pro Ala His Leu Ala Asp Tyr Ser
50 55 60

Cys Phe Cys Ser Pro Val Cys Pro Gln Glu Val Arg Ala Cys Leu Leu
65 70 75 80

Phe Leu His Asp His Gly Arg Arg Gly Thr Asn Met Arg Val Leu Ala
85 90 95

Ser Pro Gln Trp Trp Leu Pro Arg Ala Gly Glu Thr Leu Gly Glu Gly
100 105 110

Leu Gly Gln Gly Pro Leu Ser Leu Ala Ala Thr Ala Trp Val Asn Cys
115 120 125

Leu Ala Arg Leu Ala Ala Arg Ala Gln Lys Ala Glu Ala Leu Pro Ala
130 135 140

Phe Ser Ser His Pro Ala Pro Met
145 150

<210> 5751
<211> 98
<212> PRT
<213> Homo sapiens

<400> 5751
Arg Val Ala Val Glu Asp Val Ser Met Val Lys Gln Lys Asn Thr Thr
1 5 10 15

Phe Leu Trp Lys Glu Ile Leu Lys Gln Gln Ser Gln Ile Val Lys Met
20 25 30

Leu Arg Ile Ser Val Pro Pro Leu Thr Ser Val Ser Val Lys Pro Gln
35 40 45

Leu Gly Cys Thr Glu Asp Tyr Leu Leu Ser Lys Leu Pro Ser Asp Gly
50 55 60

Lys Glu Val Pro Phe Val Val Arg Lys Phe Lys Leu Ser Tyr Ile Gln
65 70 75 80

Pro Arg Thr Gln Glu Thr Pro Ser His Leu Glu Glu Leu Glu Gly Ser
85 90 95

Ala Gly

<210> 5752
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5752
Asp Arg Lys Arg Asp Leu Thr Ser Pro Trp Arg Leu Ser Val Ser Ala
1 5 10 15

```
Glu Ala Leu Gly Leu Ala Leu Gly Leu Cys Ile Pro Glu Ser Cys Cys
            20                  25                  30

Met Pro Gly Ile Gly Phe Gln Ala Cys Leu Ser Phe Ser Ser Leu Pro
        35                  40                  45

Gly Ile Ala Met Arg Trp Glu Gly Glu Pro Ser Ser Pro Ala Glu Ile
    50                  55                  60

Pro Ala Ala Trp Gln Pro Ala Gly Gly Ser Trp Ile Pro Arg Gly Asp
65                  70                  75                  80

Xaa Thr Asp Ala Leu Trp Phe His Val Ile Trp Ile
                85                  90
```

<210> 5753
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5753

```
Pro Arg Arg His Arg Val Pro Gly Ser Gly Phe Ala Phe Pro Lys Asn
  1               5                  10                  15
```

```
Glu Asn Lys Leu Leu Pro Lys Glu Leu Val Phe Pro Leu Leu Phe Ser
            20                  25                  30

Asn Cys Glu Gly Pro Arg Gly Val Glu His Gly Ala Pro His Lys Pro
        35                  40                  45

Xaa Gly Trp Cys Pro Gly Tyr Gln Gly His Ala Xaa Gly Leu Asp Asp
    50                  55                  60

Leu Ser Leu Gln Gly Ala Leu Val Val Xaa Asn Trp Leu Lys Val Thr
65                  70                  75                  80

Xaa Glu Gly Xaa Cys Gly Asn Trp
                85
```

<210> 5754
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5754

```
Lys Ile Phe Ser Phe Ala Val Pro Asp Pro Leu Met Pro Asp Pro Xaa
  1               5                  10                  15

Lys Gln Pro Lys Asn Gln Leu Asn Pro Ile Gly Ser
            20                  25
```

<210> 5755
<211> 75
<212> PRT
<213> Homo sapiens

<400> 5755

```
Arg Met Asn Ile Cys Val Ser Val Cys Val Ser Glu Leu Cys Asp Phe
  1               5                  10                  15

Ile Arg Gly Ile Cys Gln Phe Ser His Cys Gly Ser Phe Ser Asp Phe
            20                  25                  30

Ala Cys Ser Ser Ser Lys Glu Ala Arg Ser Phe Ala Asp Phe Thr Ile
        35                  40                  45
```

```
Pro Gln Thr Cys Lys Phe Leu Thr Ser Ser Lys Leu Ala Leu Ala Leu
     50                  55                  60

Ser Ser Thr Phe Pro Phe Lys Ser Asn Leu Cys
 65                  70                  75



<210> 5756
<211> 540
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (320)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (508)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5756
Thr Met Asp Glu Glu Glu Lys Asp Asp Gly Glu Ala Lys Glu Ile Ser
  1               5                  10                  15

Thr Pro Thr His Trp Ser Lys Leu Asp Pro Lys Thr Met Lys Val Asn
             20                  25                  30

Asp Leu Arg Lys Glu Leu Glu Ser Arg Ala Leu Ser Ser Lys Gly Leu
         35                  40                  45

Lys Ser Gln Leu Ile Ala Arg Leu Thr Lys Gln Leu Lys Val Glu Glu
     50                  55                  60

Gln Lys Glu Glu Gln Lys Glu Leu Glu Lys Ser Glu Lys Glu Glu Asp
 65                  70                  75                  80

Glu Asp Asp Asp Arg Lys Ser Glu Asp Asp Lys Glu Glu Glu Glu Arg
                 85                  90                  95

Lys Arg Gln Glu Glu Ile Glu Arg Gln Arg Arg Glu Arg Arg Tyr Ile
            100                 105                 110

Leu Pro Asp Glu Pro Ala Ile Ile Val His Pro Asn Trp Ala Ala Lys
        115                 120                 125

Ser Gly Lys Phe Asp Cys Ser Ile Met Ser Leu Ser Val Leu Leu Asp
    130                 135                 140
```

Tyr Arg Leu Glu Asp Asn Lys Glu His Ser Phe Glu Val Ser Leu Phe
145 150 155 160

Ala Glu Leu Phe Asn Glu Met Leu Gln Arg Asp Phe Gly Val Arg Ile
165 170 175

Tyr Lys Ser Leu Leu Ser Leu Pro Glu Lys Glu Asp Lys Lys Glu Lys
180 185 190

Asp Lys Lys Ser Lys Lys Asp Glu Arg Lys Asp Lys Lys Glu Glu Arg
195 200 205

Asp Asp Glu Thr Asp Glu Pro Lys Pro Lys Arg Arg Lys Ser Gly Asp
210 215 220

Asp Lys Asp Lys Lys Glu Asp Arg Asp Glu Arg Lys Lys Glu Asp Lys
225 230 235 240

Arg Lys Asp Asp Ser Lys Asp Asp Asp Glu Thr Glu Glu Asp Asn Asn
245 250 255

Gln Asp Glu Tyr Asp Pro Met Glu Ala Glu Glu Ala Glu Asp Glu Glu
260 265 270

Asp Asp Arg Asp Glu Glu Glu Met Thr Lys Arg Asp Asp Lys Arg Asp
275 280 285

Ile Asn Arg Tyr Cys Lys Glu Arg Pro Ser Lys Asp Lys Glu Lys Glu
290 295 300

Lys Thr Gln Met Ile Thr Ile Asn Arg Asp Leu Leu Met Ala Phe Xaa
305 310 315 320

Tyr Phe Asp Gln Ser His Cys Gly Tyr Leu Leu Glu Lys Asp Leu Glu
325 330 335

Glu Ile Leu Tyr Thr Leu Gly Leu His Leu Ser Arg Ala Gln Val Lys
340 345 350

Lys Leu Leu Asn Lys Val Val Leu Arg Glu Ser Cys Phe Tyr Arg Lys
355 360 365

Leu Thr Asp Thr Ser Lys Asp Glu Glu Asn His Glu Glu Ser Glu Ser
370 375 380

Leu Gln Glu Asp Met Leu Gly Asn Arg Leu Leu Leu Pro Thr Pro Thr
385 390 395 400

Val Lys Gln Glu Ser Lys Asp Val Glu Glu Asn Val Gly Leu Ile Val
405 410 415

```
Tyr Asn Gly Ala Met Val Asp Val Gly Ser Leu Leu Gln Lys Leu Glu
            420                 425                 430

Lys Ser Glu Lys Val Arg Ala Glu Val Glu Gln Lys Leu Gln Leu Leu
        435                 440                 445

Glu Glu Lys Thr Asp Glu Asp Glu Lys Thr Ile Leu Asn Leu Glu Asn
    450                 455                 460

Ser Asn Lys Ser Leu Ser Gly Glu Leu Arg Glu Val Lys Lys Asp Leu
465                 470                 475                 480

Ser Gln Leu Gln Glu Asn Leu Lys Ile Ser Glu Asn Met Asn Leu Gln
                485                 490                 495

Phe Glu Asn Gln Met Asn Lys Thr Ile Arg Asn Xaa Ser Thr Val Met
            500                 505                 510

Asp Glu Ile His Thr Val Leu Lys Lys Asp Asn Val Lys Asn Glu Asp
        515                 520                 525

Lys Asp Gln Lys Ser Lys Glu Asn Gly Ala Ser Val
    530                 535                 540



<210> 5757
<211> 231
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (201)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (214)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (220)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5757
Glu Lys Gln Ala Glu Ile Leu Glu Tyr Ala Tyr His Gly Gln Ile Ala
  1               5                  10                  15
```

```
Ile Val Ala Pro Glu Ala Leu Leu Ala Gly His Asn Tyr Thr Leu Lys
            20                  25                  30

Ile Glu Tyr Ser Ala Asn Ile Ser Ser Ser Tyr Tyr Gly Phe Tyr Gly
        35                  40                  45

Phe Ser Tyr Thr Asp Glu Ser Asn Glu Lys Lys Tyr Phe Ala Ala Thr
    50                  55                  60

Gln Phe Glu Pro Leu Ala Ala Arg Ser Ala Phe Pro Cys Phe Asp Glu
65                  70                  75                  80

Pro Ala Phe Lys Ala Thr Phe Ile Ile Lys Ile Ile Arg Asp Glu Gln
                85                  90                  95

Tyr Thr Ala Leu Ser Asn Met Pro Lys Lys Ser Ser Val Val Leu Asp
            100                 105                 110

Asp Gly Leu Val Gln Asp Glu Phe Ser Glu Ser Val Lys Met Ser Thr
        115                 120                 125

Tyr Leu Val Ala Phe Ile Val Gly Glu Met Lys Asn Leu Ser Gln Asp
    130                 135                 140

Val Asn Gly Thr Leu Val Ser Ile Tyr Ala Val Pro Glu Lys Ile Gly
145                 150                 155                 160

Gln Val His Tyr Ala Leu Glu Thr Thr Val Lys Leu Leu Glu Phe Phe
                165                 170                 175

Gln Asn Tyr Phe Glu Ile Gln Tyr Pro Leu Lys Lys Leu Asp Leu Val
            180                 185                 190

Ala Ile Pro Asp Phe Glu Ala Arg Xaa Asn Gly Lys Leu Gly Phe Cys
        195                 200                 205

Ser Pro Ser Glu Lys Xaa Thr Leu Leu Phe Asp Xaa Tyr Thr Ser Ser
    210                 215                 220

Met Ala Asp Lys Lys Ala Gly
225                 230
```

<210> 5758
<211> 294
<212> PRT
<213> Homo sapiens

<400> 5758
Asn Met Thr Glu Asp Ser Gln Arg Asn Phe Arg Ser Val Tyr Tyr Glu

BNSDOCID: <WO__ 0122920A2 I_>

5049

1 5 10 15

Lys Val Gly Phe Arg Gly Val Glu Glu Lys Lys Ser Leu Glu Ile Leu
20 25 30

Leu Lys Asp Asp Arg Leu Asp Thr Glu Lys Leu Cys Thr Phe Ser Gln
35 40 45

Arg Phe Pro Leu Pro Ser Met Tyr Arg Ala Leu Val Trp Lys Val Leu
50 55 60

Leu Gly Ile Leu Pro Pro His His Glu Ser His Ala Lys Val Met Met
65 70 75 80

Tyr Arg Lys Glu Gln Tyr Leu Asp Val Leu His Ala Leu Lys Val Val
85 90 95

Arg Phe Val Ser Asp Ala Thr Pro Gln Ala Glu Val Tyr Leu Arg Met
100 105 110

Tyr Gln Leu Glu Ser Gly Lys Leu Pro Arg Ser Pro Ser Phe Pro Leu
115 120 125

Glu Pro Asp Asp Glu Val Phe Leu Ala Ile Ala Lys Ala Met Glu Glu
130 135 140

Met Val Glu Asp Ser Val Asp Cys Tyr Trp Ile Thr Arg Arg Phe Val
145 150 155 160

Asn Gln Leu Asn Thr Lys Tyr Arg Asp Ser Leu Pro Gln Leu Pro Lys
165 170 175

Ala Phe Glu Gln Tyr Leu Asn Leu Glu Asp Gly Arg Leu Leu Thr His
180 185 190

Leu Arg Met Cys Ser Ala Ala Pro Lys Leu Pro Tyr Asp Leu Trp Phe
195 200 205

Lys Arg Cys Phe Ala Gly Cys Leu Pro Glu Ser Ser Leu Gln Arg Val
210 215 220

Trp Asp Lys Val Val Ser Gly Ser Cys Lys Ile Leu Val Phe Val Ala
225 230 235 240

Val Glu Ile Leu Leu Thr Phe Lys Ile Lys Val Met Ala Leu Asn Ser
245 250 255

Ala Glu Lys Ile Thr Lys Phe Leu Glu Asn Ile Pro Gln Asp Ser Ser
260 265 270

Asp Ala Ile Val Ser Lys Ala Ile Asp Leu Trp His Lys His Cys Gly

BNSDOCID: <WO 0122920A2 1 >

275 280 285

Thr Pro Val His Ser Ser
290

<210> 5759
<211> 431
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5759
Xaa Phe Gly Ala Xaa Gly Thr Val Glu Ser Glu Thr Ser Pro Asp Arg
1 5 10 15

Asp Lys Lys Lys Glu Gln Ser Glu Val Ser Val Ser Pro Arg Ala Ser
20 25 30

Lys His His Tyr Ser Arg Ser Arg Ser Arg Ser Arg Glu Arg Lys Arg
35 40 45

Lys Ser Asp Asn Glu Gly Arg Lys His Arg Ser Arg Ser Arg Ser Lys
50 55 60

Glu Gly Arg Arg His Glu Ser Lys Asp Lys Ser Ser Lys Lys His Lys
65 70 75 80

Ser Glu Glu His Asn Asp Lys Glu His Ser Ser Asp Lys Gly Arg Glu
85 90 95

Arg Leu Asn Ser Ser Glu Asn Gly Glu Asp Arg His Lys Arg Lys Glu
100 105 110

Arg Lys Ser Ser Arg Gly Arg Ser His Ser Arg Ser Arg Ser Arg Glu
115 120 125

Arg Arg His Arg Ser Arg Ser Arg Glu Arg Lys Lys Ser Arg Ser Arg
130 135 140

Ser Arg Glu Arg Lys Lys Ser Arg Ser Arg Ser Arg Glu Arg Lys Lys

BNSDOCID: <WO _ 0122920A2 I >

145 150 155 160

Ser Arg Ser Arg Ser Arg Glu Arg Lys Arg Arg Ile Arg Ser Arg Ser
165 170 175

Arg Ser Arg Ser Arg His Arg His Arg Thr Arg Ser Arg Ser Arg Thr
180 185 190

Arg Ser Arg Ser Arg Asp Arg Lys Lys Arg Ile Glu Lys Pro Arg Arg
195 200 205

Phe Ser Arg Ser Leu Ser Arg Thr Pro Ser Pro Pro Pro Phe Arg Gly
210 215 220

Arg Asn Thr Ala Met Asp Ala Gln Glu Ala Leu Ala Arg Arg Leu Glu
225 230 235 240

Arg Ala Lys Lys Leu Gln Glu Gln Arg Glu Lys Glu Met Val Glu Lys
245 250 255

Gln Lys Gln Gln Glu Ile Ala Ala Ala Ala Ala Ala Thr Gly Gly Ser
260 265 270

Val Leu Asn Val Ala Ala Leu Leu Ala Ser Gly Thr Gln Val Thr Pro
275 280 285

Gln Ile Ala Met Ala Ala Gln Met Ala Ala Leu Gln Ala Lys Ala Leu
290 295 300

Ala Glu Thr Gly Ile Ala Val Pro Ser Tyr Tyr Asn Pro Ala Ala Val
305 310 315 320

Asn Pro Met Lys Phe Ala Glu Gln Glu Lys Lys Arg Lys Met Leu Trp
325 330 335

Gln Gly Lys Lys Glu Gly Asp Lys Ser Gln Ser Ala Glu Ile Trp Glu
340 345 350

Lys Leu Asn Phe Gly Asn Lys Asp Gln Asn Val Lys Phe Arg Lys Leu
355 360 365

Met Gly Ile Lys Ser Glu Asp Glu Ala Gly Cys Ser Ser Val Asp Glu
370 375 380

Glu Ser Tyr Lys Thr Leu Lys Gln Gln Glu Glu Val Phe Arg Asn Leu
385 390 395 400

Asp Ala Gln Tyr Glu Met Ala Arg Ser Gln Thr His Thr Gln Arg Gly
405 410 415

Met Gly Leu Gly Phe Thr Ser Ser Met Arg Gly Met Asp Ala Val

BNSDOCID: <WO__0122920A2 1 >

420 425 430

<210> 5760
<211> 59
<212> PRT
<213> Homo sapiens

<400> 5760
Ala Gly Val Phe Ile Gly Glu Arg Lys Cys Val Val Trp Ala Gly Leu
1 5 10 15

Leu Val Glu Ala Gly Phe Leu Ala His Leu Leu Tyr Met Leu Pro Met
20 25 30

Asp Leu Arg Leu Glu Met Leu Lys Val Glu Trp Asn Tyr Phe Pro Pro
35 40 45

Lys Thr Phe Ile Tyr Ser Thr Pro Leu Tyr Pro
50 55

<210> 5761
<211> 99
<212> PRT
<213> Homo sapiens

<400> 5761
Val Ile Phe Tyr Phe Thr Asn Lys Gly Thr Lys Ser Met Asn Ile Ser
1 5 10 15

Leu Phe Leu Ile Ile Ser Ala Leu Lys Tyr Phe Gly Tyr Leu Ala Pro
20 25 30

Val Arg Ala Asp Trp His Cys Leu Val Gln Glu Val Cys Ser Arg Cys
35 40 45

Ser Ala Ser Glu Leu His Tyr Asp Cys Pro Pro Thr Asn His Pro Pro
50 55 60

Ala Ser Pro Arg Glu Arg Gly Ile Gln Arg Gly Thr Val Leu Thr Arg
65 70 75 80

Ser Ser Gln Leu Asp Pro Gly Gln Arg Asn Pro Tyr Pro Gly Thr Leu
85 90 95

Ser Leu Ser

<210> 5762
<211> 48
<212> PRT
<213> Homo sapiens

<400> 5762
Pro Pro Ser Leu Thr Lys Gly Asn Lys Ser Trp Cys Ser Thr Ala Val
1 5 10 15

Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
20 25 30

Arg Phe Pro Leu Phe Leu Gly Val Ser Ile Leu Ser Pro Trp Lys Met
35 40 45

<210> 5763
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5763
Trp Asn Glu His Arg Pro Leu Asn Pro Arg Tyr Glu Phe Lys Ser Gln
1 5 10 15

Leu Trp Arg Trp Leu Leu Lys Val Ser Val Pro Ser Phe Phe Xaa Leu
20 25 30

Tyr Lys Val Asp Ile Thr Ile Ser Asn Leu Gln Ser His Trp Glu Leu
35 40 45

```
Tyr Met Gln Arg Leu Gly Lys Ala Pro Gly Thr Trp Gln Ala Ile Ser
     50                  55                  60

Lys Cys Trp Leu Leu Leu Leu Leu Ser Leu Pro Phe Ser Gln Ser Ile
 65                  70                  75                  80

Ile Ile Ser Leu Xaa Xaa Gly Thr Met Ser Tyr Leu Pro Leu Tyr Phe
                 85                  90                  95

Pro Gln Tyr Phe Pro
            100
```

<210> 5764
<211> 136
<212> PRT
<213> Homo sapiens

<400> 5764

```
Cys Val Ile Leu Thr Lys Gly Ser Ser Leu Gly Gln Pro Ser Pro Gly
  1               5                  10                  15

Leu Gly His Ile His Leu Val Ala Lys Pro Leu Leu Gly Pro Lys Tyr
            20                  25                  30

Thr Pro Glu Ser Cys Gln Arg Lys Glu Ile Phe Lys Lys His Arg Gln
        35                  40                  45

Ile Val Cys Lys Trp Lys Ile Pro Ile Gly Leu Asp Ser Cys Gly Gly
     50                  55                  60

Lys Thr Ser Trp Val Pro Gly Gly Cys Gln Ser Trp Glu Leu Cys Arg
 65                  70                  75                  80

Tyr Glu Ser Gly Lys Ala Gln Arg Gln Ala Glu Ser Leu Tyr Gly Asp
                 85                  90                  95

Asn Leu Gln Cys Leu Leu Gly Phe Pro Asn Asn Leu Gly Val Gln Ser
            100                 105                 110

Ile Gly Phe Phe Ser Pro Leu Pro Thr Pro Arg Lys Ile Ile Arg Lys
        115                 120                 125

Met Phe Arg Arg Lys Glu Lys Asn
    130                 135
```

<210> 5765

<211> 168
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (160)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (161)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5765

Val Arg Val Gln Glu Val Val Lys Glu Asn Glu Glu Leu His Gln Glu
1 5 10 15

Leu Asn Lys Ser Ser Ala Val Thr Ser Glu Glu Trp Arg Gln Leu Gln
20 25 30

Thr Xaa Ala Lys Leu Val Leu Glu Glu Asn Lys Leu Leu Leu Glu Gln
35 40 45

Leu Glu Ile Gln Gln Arg Lys Ala Lys Asp Ser His Gln Glu Arg Leu
50 55 60

Gln Glu Val Ser Lys Leu Thr Lys Gln Leu Met Leu Leu Glu Ala Lys
65 70 75 80

Thr His Gly Gln Glu Lys Glu Leu Ala Glu Asn Arg Glu Gln Leu Glu
85 90 95

Ile Leu Arg Ala Lys Cys Gln Glu Leu Lys Thr His Ser Asp Gly Lys
100 105 110

BNSDOCID: <WO_ 0122920A2 I >

Ile Ala Val Glu Val His Lys Ser Ile Val Asn Glu Leu Lys Ser Gln
115 120 125

Leu Gln Lys Glu Glu Xaa Lys Glu Arg Ala Glu Met Glu Glu Leu Met
130 135 140

Glu Lys Leu Thr Val Leu Gln Ala Gln Lys Lys Ser Leu Leu Leu Xaa
145 150 155 160

Xaa Asn Ile Leu Thr Glu Xaa Asn
165

<210> 5766
<211> 135
<212> PRT
<213> Homo sapiens

<400> 5766
Ile Arg His Glu Val Val Gly Gly Ser Gly Gly Val Tyr Ala Leu Cys
1 5 10 15

Ser Ala His Leu Ala Asn Val Val Met Asn Trp Ala Gly Met Arg Cys
20 25 30

Pro Tyr Lys Leu Leu Arg Met Val Leu Ala Leu Val Cys Met Ser Ser
35 40 45

Glu Val Gly Arg Ala Val Trp Leu Arg Phe Ser Pro Pro Leu Pro Ala
50 55 60

Ser Gly Pro Gln Pro Ser Phe Met Ala His Leu Ala Gly Ala Val Val
65 70 75 80

Gly Val Ser Met Gly Leu Thr Ile Leu Arg Ser Tyr Glu Glu Arg Leu
85 90 95

Arg Asp Gln Cys Gly Trp Trp Val Val Leu Leu Ala Tyr Gly Thr Phe
100 105 110

Leu Leu Phe Ala Val Phe Trp Asn Val Phe Ala Tyr Asp Leu Leu Gly
115 120 125

Ala His Ile Pro Pro Pro Pro
130 135

<210> 5767
<211> 351

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5767
Ile Arg His Glu Ile Leu Trp Leu Leu Cys Ser His Arg Pro Ala Pro
1 5 10 15

Gly Arg Pro Pro Thr His Asn Ala His Asn Trp Arg Leu Gly Gln Ala
20 25 30

Pro Ala Xaa Trp Tyr Asn Asp Thr Tyr Pro Leu Ser Pro Pro Gln Arg
35 40 45

Thr Pro Ala Gly Ile Arg Tyr Arg Ile Ala Val Ile Ala Asp Leu Asp
50 55 60

Thr Glu Ser Arg Ala Gln Glu Glu Asn Thr Trp Phe Ser Tyr Leu Lys
65 70 75 80

Lys Gly Tyr Leu Thr Leu Ser Asp Ser Gly Asp Lys Val Ala Val Glu
85 90 95

Trp Asp Lys Asp His Gly Val Leu Glu Ser His Leu Ala Glu Lys Gly
100 105 110

Arg Gly Met Glu Leu Ser Asp Leu Ile Val Phe Asn Gly Lys Leu Tyr
115 120 125

Ser Val Asp Asp Arg Thr Gly Val Val Tyr Gln Ile Glu Gly Ser Lys
130 135 140

Ala Val Pro Trp Val Ile Leu Ser Asp Gly Asp Gly Thr Val Glu Lys
145 150 155 160

Gly Phe Lys Ala Glu Trp Leu Ala Val Lys Asp Glu Arg Leu Tyr Val
165 170 175

Gly Gly Leu Gly Lys Glu Trp Thr Thr Thr Thr Gly Asp Val Val Asn
180 185 190

Glu Asn Pro Glu Trp Val Lys Val Val Gly Tyr Lys Gly Ser Val Asp
195 200 205

His Glu Asn Trp Val Ser Asn Tyr Asn Ala Leu Arg Ala Ala Ala Gly
210 215 220

```
Ile Gln Pro Pro Gly Tyr Leu Ile His Glu Ser Ala Cys Trp Ser Asp
225                 230                 235                 240

Thr Leu Gln Arg Trp Phe Phe Leu Pro Arg Arg Ala Ser Gln Glu Arg
                245                 250                 255

Tyr Ser Glu Lys Asp Asp Glu Arg Lys Gly Ala Asn Leu Leu Leu Ser
            260                 265                 270

Ala Ser Pro Asp Phe Gly Asp Ile Ala Val Ser His Val Gly Ala Val
        275                 280                 285

Val Pro Thr His Gly Phe Ser Ser Phe Lys Phe Ile Pro Asn Thr Asp
    290                 295                 300

Asp Gln Ile Ile Val Ala Leu Lys Ser Glu Glu Asp Ser Gly Arg Val
305                 310                 315                 320

Ala Ser Tyr Ile Met Ala Phe Thr Leu Asp Gly Arg Phe Leu Leu Pro
                325                 330                 335

Glu Thr Lys Ile Gly Ser Val Lys Tyr Glu Gly Ile Glu Phe Ile
            340                 345                 350
```

<210> 5768
<211> 55
<212> PRT
<213> Homo sapiens

<400> 5768

```
Asn Tyr Gln Ile Ser Glu Ile Tyr Phe Leu Leu Val Thr Met Lys Ser
  1               5                  10                  15

Thr Phe Thr Leu Glu Ser Asn Cys Asn Thr Pro Lys Ile Arg Ala Thr
             20                  25                  30

Lys Gly Met Tyr Gly Ala Phe Phe Asn Leu Lys Asn Cys Ile Leu Phe
         35                  40                  45

Leu Ile Pro Tyr Leu Lys His
     50                  55
```

<210> 5769
<211> 121
<212> PRT
<213> Homo sapiens

<400> 5769
Tyr Pro Phe Phe Thr Leu Cys Gln Arg Asn Arg Val Phe Asp Ile Ser
1 5 10 15

Ser Tyr Val Lys Glu Met Leu Gln Asn Val Asn Cys Phe Lys Leu Lys
20 25 30

Leu Pro Leu Lys Arg Pro Arg Tyr Ile Tyr Leu Ile Val Tyr Ile Met
35 40 45

Phe Asn Ile Cys Gln Ser Ile Leu Gln Val Cys Ser Phe Ile Ser Ile
50 55 60

Lys Tyr Gly Tyr Tyr Val Ala Gln Leu Leu Lys Trp Tyr Cys Ile Val
65 70 75 80

Tyr Ile Cys Thr Pro Asn Asn Ile Val Cys Thr Phe Cys Phe Leu Tyr
85 90 95

Cys Ile Cys Ala Gly Phe Phe Arg Leu Tyr Gln Cys Asn Leu Cys Leu
100 105 110

Leu Arg Tyr Val Gln Lys Met Ser Ile
115 120

<210> 5770
<211> 191
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5770
Glu Phe Gly Thr Ser His Trp Asp Met Ser Leu Pro Leu Ile Val Thr
1 5 10 15

Leu Ser Thr Ile Ser Ile Ile Leu Leu Ala Ala Met Ile Thr Ile Ala
20 25 30

Val Lys Cys Lys Arg Glu Asn Lys Glu Ile Arg Thr Tyr Asn Cys Arg
35 40 45

Ile Ala Glu Tyr Ser His Pro Gln Leu Gly Gly Gly Lys Gly Lys Lys
50 55 60

Lys Lys Ile Asn Lys Asn Asp Ile Met Leu Val Gln Ser Glu Val Glu

65 70 75 80

Glu Arg Asn Ala Met Asn Val Met Asn Val Val Ser Ser Pro Ser Leu
85 90 95

Ala Thr Ser Pro Met Tyr Phe Asp Tyr Gln Thr Arg Leu Pro Leu Ser
100 105 110

Ser Pro Arg Ser Glu Val Met Tyr Leu Lys Pro Ala Ser Asn Asn Leu
115 120 125

Thr Val Pro Gln Gly His Ala Gly Cys His Thr Ser Phe Thr Gly Gln
130 135 140

Gly Thr Asn Ala Ser Glu Thr Pro Ala Thr Arg Met Ser Ile Ile Gln
145 150 155 160

Thr Asp Asn Phe Pro Ala Glu Pro Asn Tyr Met Gly Ser Arg Gln Gln
165 170 175

Phe Val Gln Ser Xaa Ser Thr Phe Lys Asp Pro Glu Arg Pro Ala
180 185 190

<210> 5771
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5771
Arg Xaa Pro Xaa Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala
1 5 10 15

Val Thr Thr Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser
20 25 30

Ala Arg Ala Pro Ala Ser Arg Ser Arg Thr Pro Pro Ala Ser Arg Leu
35 40 45

Thr Arg Ser Cys Gln Arg Arg Ser Ala Ala Ala Glu Pro Lys Gly Pro
50 55 60

Glu Asp Ser Gly Ala Gly Gly Thr Gly Cys Gly Gly Ala Asp Asp Pro
65 70 75 80

Ala Lys Lys Lys Lys Gln Arg Arg Gln Arg Thr His Phe Thr Xaa Gln
85 90 95

Gln Leu Gln Glu Leu Glu Ala Thr Phe Gln Arg Asn Arg Tyr Pro Asp
100 105 110

Met Ser Met Arg Glu Glu Ile Ala Val Trp Thr Asn Leu Thr Glu Pro
115 120 125

Arg

<210> 5772
<211> 399
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (208)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (349)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5772
Leu Glu Pro Pro Ala Glu Pro Leu Gln Tyr Leu Ala Cys Tyr Arg Phe
1 5 10 15

His Cys Ser His Gln Leu Gly Asp Asn Met Trp Phe Leu Thr Thr Leu
20 25 30

Leu Leu Trp Val Pro Val Asp Gly Gln Val Asp Thr Thr Lys Ala Val
35 40 45

Ile Thr Leu Gln Pro Pro Trp Val Ser Val Phe Gln Glu Glu Thr Val
50 55 60

Thr Leu His Cys Glu Val Leu His Leu Pro Gly Ser Ser Ser Thr Gln
65 70 75 80

Trp Phe Leu Asn Gly Thr Ala Thr Gln Thr Ser Thr Pro Ser Tyr Arg
85 90 95

Ile Thr Ser Ala Ser Val Asn Asp Ser Gly Glu Tyr Arg Cys Gln Arg
100 105 110

Gly Leu Ser Gly Arg Ser Asp Pro Ile Gln Leu Glu Ile His Arg Gly
115 120 125

Trp Leu Leu Leu Gln Val Ser Ser Arg Val Phe Thr Glu Gly Glu Pro
130 135 140

Leu Ala Leu Arg Cys His Ala Trp Lys Asp Lys Leu Val Tyr Asn Val
145 150 155 160

Leu Tyr Tyr Arg Asn Gly Lys Ala Phe Lys Phe Phe His Trp Asn Ser
165 170 175

Asn Leu Thr Ile Leu Lys Thr Asn Ile Ser His Asn Gly Thr Tyr His
180 185 190

Cys Ser Gly Met Gly Lys His Arg Tyr Thr Ser Ala Gly Ile Ser Xaa
195 200 205

Thr Val Lys Glu Leu Phe Pro Ala Pro Val Leu Asn Ala Ser Val Thr
210 215 220

Ser Pro Leu Leu Glu Gly Asn Leu Val Thr Leu Ser Cys Glu Thr Lys
225 230 235 240

Leu Leu Leu Gln Arg Pro Gly Leu Gln Leu Tyr Phe Ser Phe Tyr Met
245 250 255

Gly Ser Lys Thr Leu Arg Gly Arg Asn Thr Ser Ser Glu Tyr Gln Ile
260 265 270

Leu Thr Ala Arg Arg Glu Asp Ser Gly Leu Tyr Trp Cys Glu Ala Ala
275 280 285

Thr Glu Asp Gly Asn Val Leu Lys Arg Ser Pro Glu Leu Glu Leu Gln
290 295 300

Val Leu Gly Leu Gln Leu Pro Thr Pro Val Trp Phe His Val Leu Phe
305 310 315 320

Tyr Leu Ala Val Gly Ile Met Phe Leu Val Asn Thr Val Leu Trp Val
325 330 335

Thr Ile Arg Lys Glu Leu Lys Arg Lys Lys Lys Trp Xaa Leu Glu Ile
340 345 350

Ser Leu Asp Ser Gly His Glu Lys Lys Val Ile Ser Ser Leu Gln Glu
355 360 365

Asp Arg His Leu Glu Glu Glu Leu Lys Cys Gln Glu Gln Lys Glu Glu
370 375 380

Gln Leu Gln Glu Gly Val His Arg Lys Glu Pro Gln Gly Ala Thr
385 390 395

<210> 5773
<211> 164
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5773
Gly Asp Arg Ala Glu Pro Ser Val Tyr Trp Ala Ala Val Thr Leu Arg
1 5 10 15

Phe Gln Met Xaa Met Phe Glu Ser Ala Asp Ser Thr Ala Thr Arg Ser
20 25 30

Gly Gln Asp Leu Trp Ala Glu Ile Cys Ser Cys Leu Pro Asn Pro Glu
35 40 45

Gln Glu Asp Gly Ala Asn Asn Ala Phe Ser Asp Ser Phe Val Asp Ser
50 55 60

Cys Pro Glu Gly Glu Gly Gln Arg Glu Val Ala Asp Phe Ala Val Gln
65 70 75 80

Pro Ala Val Lys Pro Trp Ala Pro Leu Gln Asp Ser Glu Val Tyr Leu
85 90 95

Ala Ser Leu Glu Lys Lys Leu Arg Arg Ile Lys Gly Leu Asn Gln Glu
100 105 110

BNSDOCID: <WO 0122920A2 I >

Val Thr Ser Lys Asp Met Leu Arg Thr Leu Ala Gln Ala Lys Lys Glu
115 120 125

Cys Trp Asp Arg Phe Leu Gln Glu Lys Leu Ala Ser Glu Phe Phe Val
130 135 140

Asp Gly Leu Asp Ser Asp Glu Ser Thr Xaa Gly Thr Phe Gln Glu Val
145 150 155 160

Ala Pro Ala Arg

<210> 5774
<211> 184
<212> PRT
<213> Homo sapiens

<400> 5774
Lys Met Ala Ser Asn Lys Thr Thr Leu Gln Lys Met Gly Lys Lys Gln
1 5 10 15

Asn Gly Lys Ser Lys Lys Val Glu Glu Ala Glu Pro Glu Glu Phe Val
20 25 30

Val Glu Lys Val Leu Asp Arg Arg Val Val Asn Gly Lys Val Glu Tyr
35 40 45

Phe Leu Lys Trp Lys Gly Phe Thr Asp Ala Asp Asn Thr Trp Glu Pro
50 55 60

Glu Glu Asn Leu Asp Cys Pro Glu Leu Ile Glu Ala Phe Leu Asn Ser
65 70 75 80

Gln Lys Ala Gly Lys Glu Lys Asp Gly Thr Lys Arg Lys Ser Leu Ser
85 90 95

Asp Ser Glu Ser Asp Asp Ser Lys Ser Lys Lys Lys Arg Asp Ala Ala
100 105 110

Asp Lys Pro Arg Gly Phe Ala Arg Gly Leu Asp Pro Glu Arg Ile Ile
115 120 125

Gly Ala Thr Asp Ser Ser Gly Glu Leu Met Phe Leu Met Lys Trp Lys
130 135 140

Asp Ser Asp Glu Ala Asp Leu Val Leu Ala Lys Glu Ala Asn Met Lys
145 150 155 160

BNSDOCID: <WO _ 0122920A2 I >

```
Cys Pro Gln Ile Val Ile Ala Phe Tyr Glu Glu Arg Leu Thr Trp His
                165                 170                 175

Ser Cys Pro Glu Asp Glu Ala Gln
            180
```

<210> 5775
<211> 76
<212> PRT
<213> Homo sapiens

<400> 5775

```
Lys Val Thr Glu Asp Thr Ser Ser Val Leu Arg Ser Pro Met Pro Gly
  1               5                  10                  15

Val Val Val Ala Val Ser Val Lys Pro Gly Asp Ala Val Ala Glu Gly
            20                  25                  30

Gln Glu Ile Cys Val Ile Glu Ala Met Lys Met Gln Asn Ser Met Thr
        35                  40                  45

Ala Gly Lys Thr Gly Thr Val Lys Ser Val His Cys Gln Ala Gly Asp
    50                  55                  60

Thr Val Gly Glu Gly Asp Leu Leu Val Glu Leu Glu
65                  70                  75
```

<210> 5776
<211> 57
<212> PRT
<213> Homo sapiens

<400> 5776

```
Thr Leu Gln Ser Lys Asp Ile Asp Trp Leu Asn Glu Trp Arg Lys Gln
  1               5                  10                  15

Asp Pro Leu Ile Cys Cys Leu Gln Glu Thr His Leu Asn Tyr Lys Asp
            20                  25                  30

Thr His Arg Leu Lys Val Lys Ser Trp Lys Glu Leu Phe His Ala Asn
        35                  40                  45

Gly Asn Gln Glu Lys Glu Lys Glu Tyr
    50                  55
```

BNSDOCID: <WO 0122920A2 I >>

<210> 5777
<211> 277
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5777

```
Arg Gln Lys Gly Thr Ala Ala Arg Arg Arg Gln Xaa Gly Leu Leu Ala
  1               5                  10                  15

Ser Ser Arg Pro Glu Pro Ala Asn Glu Arg Lys Met Ala Asp Asn Phe
             20                  25                  30

Ser Leu His Asp Ala Leu Ser Gly Ser Gly Asn Pro Asn Pro Gln Gly
         35                  40                  45

Trp Pro Gly Ala Trp Gly Asn Gln Pro Ala Gly Ala Gly Gly Tyr Pro
     50                  55                  60

Gly Ala Ser Tyr Pro Gly Ala Tyr Pro Gly Gln Ala Pro Pro Gly Ala
 65                  70                  75                  80

Tyr Pro Gly Gln Ala Pro Pro Gly Ala Tyr Xaa Gly Ala Pro Gly Ala
                 85                  90                  95

Tyr Pro Gly Ala Pro Ala Pro Gly Val Tyr Pro Gly Pro Pro Ser Gly
            100                 105                 110

Pro Gly Ala Tyr Pro Ser Ser Gly Gln Pro Ser Ala Xaa Gly Ala Tyr
        115                 120                 125

Pro Ala Thr Gly Pro Tyr Gly Ala Pro Ala Gly Pro Leu Ile Val Pro
    130                 135                 140

Tyr Asn Leu Pro Leu Pro Gly Gly Val Val Pro Arg Met Leu Ile Thr
145                 150                 155                 160
```

BNSDOCID: <WO 0122920A2 1 >

Ile Leu Gly Thr Val Lys Pro Asn Ala Asn Arg Ile Ala Leu Asp Phe
165 170 175

Gln Arg Gly Asn Asp Val Ala Phe His Phe Asn Pro Arg Phe Asn Glu
180 185 190

Asn Asn Arg Arg Val Ile Val Cys Asn Thr Lys Leu Asp Asn Asn Trp
195 200 205

Gly Arg Glu Glu Arg Gln Ser Val Phe Pro Phe Glu Ser Gly Lys Pro
210 215 220

Phe Lys Ile Gln Val Leu Val Glu Pro Asp His Phe Lys Val Ala Val
225 230 235 240

Asn Asp Ala His Leu Leu Gln Tyr Asn His Arg Val Lys Lys Leu Asn
245 250 255

Glu Ile Ser Lys Leu Gly Ile Ser Gly Asp Ile Asp Leu Thr Ser Ala
260 265 270

Ser Tyr Thr Met Ile
275

<210> 5778
<211> 565
<212> PRT
<213> Homo sapiens

<400> 5778
Leu His Cys Thr Met Cys Gly Ile Trp Ala Leu Phe Gly Ser Asp Asp
1 5 10 15

Cys Leu Ser Val Gln Cys Leu Ser Ala Met Lys Ile Ala His Arg Gly
20 25 30

Pro Asp Ala Phe Arg Phe Glu Asn Val Asn Gly Tyr Thr Asn Cys Cys
35 40 45

Phe Gly Phe His Arg Leu Ala Val Val Asp Pro Leu Phe Gly Met Gln
50 55 60

Pro Ile Arg Val Lys Lys Tyr Pro Tyr Leu Trp Leu Cys Tyr Asn Gly
65 70 75 80

Glu Ile Tyr Asn His Lys Lys Met Gln Gln His Phe Glu Phe Glu Tyr
85 90 95

Gln Thr Lys Val Asp Gly Glu Ile Ile Leu His Leu Tyr Asp Lys Gly

BNSDOCID: <WO__ 0122920A2 I >

100 105 110

Gly Ile Glu Gln Thr Ile Cys Met Leu Asp Gly Val Phe Ala Phe Val
115 120 125

Leu Leu Asp Thr Ala Asn Lys Lys Val Phe Leu Gly Arg Asp Thr Tyr
130 135 140

Gly Val Arg Pro Leu Phe Lys Ala Met Thr Glu Asp Gly Phe Leu Ala
145 150 155 160

Val Cys Ser Glu Ala Lys Gly Leu Val Thr Leu Lys His Ser Ala Thr
165 170 175

Pro Phe Leu Lys Val Glu Pro Phe Leu Pro Gly His Tyr Glu Val Leu
180 185 190

Asp Leu Lys Pro Asn Gly Lys Val Ala Ser Val Glu Met Val Lys Tyr
195 200 205

His His Cys Arg Asp Glu Pro Leu His Ala Leu Tyr Asp Asn Val Glu
210 215 220

Lys Leu Phe Pro Gly Phe Glu Ile Glu Thr Val Lys Asn Asn Leu Arg
225 230 235 240

Ile Leu Phe Asn Asn Ala Val Lys Lys Arg Leu Met Thr Asp Arg Arg
245 250 255

Ile Gly Cys Leu Leu Ser Gly Gly Leu Asp Ser Ser Leu Val Ala Ala
260 265 270

Thr Leu Leu Lys Gln Leu Lys Glu Ala Gln Val Gln Tyr Pro Leu Gln
275 280 285

Thr Phe Ala Ile Gly Met Glu Asp Ser Pro Asp Leu Leu Ala Ala Arg
290 295 300

Lys Val Ala Asp His Ile Gly Ser Glu His Tyr Glu Val Leu Phe Asn
305 310 315 320

Ser Glu Glu Gly Ile Gln Ala Leu Asp Glu Val Ile Phe Ser Leu Glu
325 330 335

Thr Tyr Asp Ile Thr Thr Val Arg Ala Ser Val Gly Met Tyr Leu Ile
340 345 350

Ser Lys Tyr Ile Arg Lys Asn Thr Asp Ser Val Val Ile Phe Ser Gly
355 360 365

Glu Gly Ser Asp Glu Leu Thr Gln Gly Tyr Ile Tyr Phe His Lys Ala

BNSDOCID: <WO__0122920A2 I >

370 375 380

Pro Ser Pro Glu Lys Ala Glu Glu Glu Ser Glu Arg Leu Leu Arg Glu
385 390 395 400

Leu Tyr Leu Phe Asp Val Leu Arg Ala Asp Arg Thr Thr Ala Ala His
405 410 415

Gly Leu Glu Leu Arg Val Pro Phe Leu Asp His Arg Phe Ser Ser Tyr
420 425 430

Tyr Leu Ser Leu Pro Pro Glu Met Arg Ile Pro Lys Asn Gly Ile Glu
435 440 445

Lys His Leu Leu Arg Glu Thr Phe Glu Asp Ser Asn Leu Ile Pro Lys
450 455 460

Glu Ile Leu Trp Arg Pro Lys Glu Ala Phe Ser Asp Gly Ile Thr Ser
465 470 475 480

Val Lys Asn Ser Trp Phe Lys Ile Leu Gln Glu Tyr Val Glu His Gln
485 490 495

Val Asp Asp Ala Met Met Ala Asn Ala Ala Gln Lys Phe Pro Phe Asn
500 505 510

Thr Pro Lys Thr Lys Glu Gly Tyr Tyr Tyr Arg Gln Val Phe Glu Arg
515 520 525

His Tyr Pro Gly Arg Ala Asp Trp Leu Ser His Tyr Trp Met Pro Lys
530 535 540

Trp Ile Asn Ala Thr Asp Pro Ser Ala Arg Thr Leu Thr His Tyr Lys
545 550 555 560

Ser Ala Val Lys Ala
565

<210> 5779
<211> 173
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5779

5070

```
Cys Phe Ala Ser Asp Arg Ile Ser Leu His Arg Asp Leu Gly Pro Asp
 1               5                  10                  15

Thr Arg Pro Pro Glu Cys Ile Glu Gln Lys Phe Lys Arg Cys Pro Pro
            20                  25                  30

Leu Pro Thr Thr Ser Val Ile Ile Val Phe His Asn Glu Ala Trp Ser
        35                  40                  45

Thr Leu Leu Arg Thr Val His Ser Val Leu Tyr Ser Ser Pro Ala Ile
    50                  55                  60

Leu Leu Lys Glu Ile Ile Leu Val Asp Asp Ala Ser Val Asp Glu Tyr
65                  70                  75                  80

Leu His Asp Lys Leu Asp Glu Tyr Val Lys Gln Phe Ser Ile Val Lys
                85                  90                  95

Ile Val Arg Gln Arg Glu Arg Lys Gly Leu Ile Thr Ala Xaa Leu Leu
            100                 105                 110

Gly Ala Thr Val Ala Thr Ala Glu Thr Leu Thr Phe Leu Asp Ala His
        115                 120                 125

Cys Glu Cys Phe Tyr Gly Trp Leu Glu Pro Leu Leu Ala Arg Ile Ala
    130                 135                 140

Glu Asn Tyr Thr Ala Val Val Ser Pro Asp Ile Ala Ser Ile Asp Leu
145                 150                 155                 160

Asn Thr Phe Glu Phe Asn Lys Pro Ser Pro Tyr Gly Lys
                165                 170
```

<210> 5780
<211> 49
<212> PRT
<213> Homo sapiens

<400> 5780

```
Glu Lys Leu Thr Asp Leu Asn Lys Trp Gly Ser Thr Pro Cys Ser Thr
 1               5                  10                  15

Ile Gly Lys Leu Arg Ile Val Lys Met Ser Phe Leu Pro Lys Leu Ile
            20                  25                  30

Tyr Lys Ser Gln Lys Thr Phe Phe Leu Gln Thr Leu Ile Lys Val Val
        35                  40                  45

Phe
```

BNSDOCID: <WO__ 0122920A2 I_>

<210> 5781
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5781
Ser Cys Lys Lys Asp Met Lys Asn Met Asn Tyr Cys Thr Ser His Cys
1 5 10 15

Tyr Phe His Val Gln Tyr Ser Arg Xaa Ile Leu Thr Thr Ile Asp Xaa
20 25 30

Xaa Leu Lys Xaa Val Xaa Gly Lys Xaa Xaa Xaa Ile Leu Xaa Ile Xaa
35 40 45

Ile Ala Xaa Glu Arg Arg Ile Gln Gly Pro Glu Xaa Gly Ala Thr
50 55 60

<210> 5782
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5782
Met Arg Arg Val Ile Leu His Ser Pro Leu Met Ser Gly Leu Arg Val
1 5 10 15

Ala Phe Pro Asp Thr Arg Lys Thr Tyr Cys Phe Asp Ala Phe Pro Ser
20 25 30

Ile Asp Lys Ile Ser Lys Val Thr Ser Pro Val Leu Val Ile His Gly

```
        35                  40                  45

Thr Glu Asp Glu Val Ile Asp Phe Ser His Gly Leu Ala Met Tyr Glu
     50                  55                  60

Arg Cys Pro Arg Ala Val Glu Pro Leu Trp Xaa Glu Gly Ala Gly His
 65                  70                  75                  80

Asn Asp Ile Glu Leu Tyr Ala Gln Tyr Leu Glu Arg Leu Lys Gln Phe
                85                  90                  95

Ile Ser His Glu Leu Pro Asn Ser
            100
```

<210> 5783
<211> 219
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5783

```
Ser Phe Arg Leu Xaa Cys Glu Leu Arg Arg Cys Met Xaa Gly Asn Asn
  1               5                  10                  15

Met Ser Thr Pro Leu Pro Ala Ile Val Pro Ala Ala Arg Lys Ala Thr
            20                  25                  30

Ala Ala Val Ile Phe Leu His Gly Leu Gly Xaa Thr Gly Pro Val Arg
        35                  40                  45

Pro Val Thr Leu Asn Met Asn Val Ala Met Pro Ser Trp Phe Asp Ile
     50                  55                  60

Ile Gly Leu Ser Pro Asp Ser Gln Glu Asp Glu Ser Gly Ile Lys Gln
 65                  70                  75                  80
```

Ala Ala Glu Asn Ile Lys Ala Leu Ile Asp Gln Glu Val Lys Asn Gly
85 90 95

Ile Pro Ser Asn Arg Ile Ile Leu Gly Gly Phe Ser Gln Gly Gly Ala
100 105 110

Leu Ser Leu Tyr Thr Ala Leu Thr Thr Gln Gln Lys Leu Ala Gly Val
115 120 125

Thr Ala Leu Ser Cys Trp Leu Pro Leu Arg Ala Ser Phe Pro Gln Gly
130 135 140

Pro Ile Gly Gly Ala Asn Arg Asp Ile Ser Ile Leu Gln Cys His Gly
145 150 155 160

Asp Cys Asp Pro Leu Val Pro Leu Met Phe Gly Ser Leu Thr Val Glu
165 170 175

Lys Leu Lys Thr Leu Val Asn Pro Ala Asn Val Thr Phe Lys Thr Tyr
180 185 190

Glu Gly Met Met His Ser Ser Cys Gln Gln Glu Met Met Asp Val Lys
195 200 205

Gln Phe Ile Asp Lys Leu Leu Pro Pro Ile Asp
210 215

<210> 5784
<211> 326
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5784
Pro Arg His Gly Gln His His Arg Glu Gln Gly Asp Thr Ala Ile Leu
1 5 10 15

Arg Cys Val Val Glu Asp Lys Asn Ser Lys Val Ala Trp Leu Asn Arg
20 25 30

```
Ser Gly Ile Ile Phe Ala Gly His Asp Lys Trp Ser Leu Asp Pro Arg
         35                  40                  45

Val Glu Leu Glu Lys Arg His Ser Leu Glu Tyr Ser Leu Arg Ile Gln
     50                  55                  60

Lys Val Asp Val Tyr Asp Glu Gly Ser Tyr Thr Cys Ser Val Gln Thr
 65                  70                  75                  80

Gln His Glu Pro Lys Thr Ser Gln Val Tyr Leu Ile Val Gln Val Pro
                 85                  90                  95

Pro Lys Ile Ser Asn Ile Ser Ser Asp Val Thr Val Asn Glu Gly Ser
            100                 105                 110

Asn Val Thr Leu Val Cys Met Ala Asn Gly Xaa Pro Glu Pro Val Ile
        115                 120                 125

Thr Trp Arg His Leu Thr Pro Xaa Gly Arg Glu Phe Glu Gly Glu Glu
    130                 135                 140

Glu Tyr Leu Glu Ile Leu Gly Ile Thr Arg Glu Gln Ser Gly Lys Tyr
145                 150                 155                 160

Glu Cys Lys Ala Ala Asn Glu Val Ser Ser Ala Asp Val Lys Gln Val
                165                 170                 175

Lys Val Thr Val Asn Tyr Pro Pro Thr Ile Thr Glu Ser Lys Ser Asn
            180                 185                 190

Glu Ala Thr Thr Gly Arg Gln Ala Ser Leu Lys Cys Glu Ala Ser Ala
        195                 200                 205

Val Pro Ala Pro Asp Phe Glu Trp Tyr Arg Asp Asp Thr Arg Ile Asn
    210                 215                 220

Ser Ala Asn Gly Leu Glu Ile Lys Ser Thr Glu Gly Gln Ser Ser Leu
225                 230                 235                 240

Thr Val Thr Asn Val Thr Glu Glu His Tyr Gly Asn Tyr Thr Cys Val
                245                 250                 255

Ala Ala Asn Lys Leu Gly Val Thr Asn Ala Ser Leu Val Leu Phe Lys
            260                 265                 270

Arg Val Leu Pro Thr Ile Pro His Pro Ile Gln Glu Ile Gly Thr Thr
        275                 280                 285

Val His Phe Lys Gln Lys Gly Pro Gly Ser Val Arg Gly Ile Asn Gly
    290                 295                 300
```

Ser Ile Ser Leu Ala Val Pro Leu Trp Leu Leu Ala Ala Ser Leu Leu
305 310 315 320

Cys Leu Leu Ser Lys Cys
325

<210> 5785
<211> 217
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (191)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (208)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (213)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5785
Pro Thr Arg Pro Ala Glu Lys Asp Pro Gly Arg Ser Ala Pro Gly Ala
1 5 10 15

Ala Ser Ala Ala Ala Ala Leu Lys Gln Leu Gly Asp Ser Pro Ala Glu
20 25 30

Asp Lys Ser Ser Phe Lys Pro Tyr Ser Lys Gly Ser Gly Gly Gly Asp
35 40 45

Ser Arg Lys Asp Ser Gly Ser Ser Ser Val Ser Ser Thr Ser Ser Ser
50 55 60

Ser Ser Ser Ser Pro Gly Asp Lys Ala Gly Phe Xaa Val Pro Ser Ala
65 70 75 80

Ala Cys Pro Pro Phe Pro Pro His Gly Ala Pro Val Ser Ala Ser Ser

BNSDOCID: <WO_ 0122920A2 I >

85 90 95

Ser Ser Ser Ser Pro Gly Gly Ser Arg Gly Gly Ser Pro His His Ser
100 105 110

Asp Cys Lys Asn Gly Gly Gly Val Gly Gly Gly Glu Leu Asp Lys Lys
115 120 125

Asp Gln Glu Pro Lys Pro Ser Pro Glu Pro Ala Ala Val Ser Arg Gly
130 135 140

Gly Gly Gly Glu Pro Gly Ala His Gly Gly Ala Glu Ser Gly Ala Ser
145 150 155 160

Gly Arg Lys Ser Glu Pro Pro Ser Ala Leu Val Gly Ala Gly His Val
165 170 175

Ala Pro Val Ser Pro Thr Ser Arg Ala Thr Arg Cys Ser Arg Xaa Arg
180 185 190

Leu Gln His Trp Leu Pro Arg Leu His Arg Gly Arg Leu Arg Arg Xaa
195 200 205

Pro Val Leu Ile Xaa Ala Trp Pro Gly
210 215

<210> 5786
<211> 69
<212> PRT
<213> Homo sapiens

<400> 5786
Pro Gln Lys Lys Tyr Phe Met Trp Val Phe Cys Phe Ser Leu Leu Asp
1 5 10 15

Phe Met Asp Glu Gly Ile Trp Leu Thr Phe Tyr Phe Leu Met Glu Gln
20 25 30

Pro Val Phe Val Asn Tyr Ser Leu Val Asn Cys Glu Ile Leu Asn Ser
35 40 45

Leu Pro Ala Ile Leu Val Leu Val Ser Gly Gln Ile Tyr Ala Val Val
50 55 60

Leu Met Arg Leu Val
65

BNSDOCID: <WO 0122920A2 I >

<210> 5787
<211> 145
<212> PRT
<213> Homo sapiens

<400> 5787
His Cys Ser Glu Gly His Ala Lys Ser Arg His Arg Ser Trp Gln Gln
1 5 10 15

Glu Gly Asp Arg Ala Ser Pro Arg His Thr Ser Pro Gly Gly Asp Ser
20 25 30

Gly Lys Glu Pro Arg Thr Gly Lys Asp Trp Val Gly Glu Gly Val Arg
35 40 45

Gly Leu Val Val Thr Gln Ser Trp Arg Gly Ala Lys Ser Thr Gly Gly
50 55 60

Tyr Pro Leu Ala Ala Ser Ala Leu Ala Val Cys Pro Phe Met Ser Gln
65 70 75 80

Thr Ala Thr Thr Met Tyr Leu Gln Trp Gly Cys Arg Asp Gly Gly Asp
85 90 95

Ser Ser Leu Thr Pro Gln Glu Leu Pro Gly Pro Lys Glu Glu Asn Ala
100 105 110

Ala Ser Phe Gln Ser Gly Leu His Pro Leu Ser Gly Ser Leu Ser Ala
115 120 125

Ser Cys Asn Ser Gly Cys Phe Ser Arg Leu Ser Ser Asn Ser Ala Pro
130 135 140

Pro
145

<210> 5788
<211> 113
<212> PRT
<213> Homo sapiens

<400> 5788
Leu Arg Arg Pro Phe Leu Met Leu Leu Leu Asp Leu Met Ser Ser Pro
1 5 10 15

Ser Pro Gln Leu Leu Val Ala Ala Ala Gln Gln Thr Leu Gly Met Gly
20 25 30

Lys Arg Arg Ser Pro Pro Gln Ala Ile Cys Leu His Leu Ala Gly Glu

BNSDOCID: <WO _ 0122920A2_I >

35 40 45

Val Leu Ala Val Ala Arg Gly Leu Lys Pro Ala Val Leu Tyr Asp Cys
50 55 60

Asn Cys Ala Gly Ala Ser Glu Leu Gln Ser Tyr Leu Glu Glu Leu Lys
65 70 75 80

Gly Leu Gly Phe Leu Thr Phe Gly Leu His Ile Leu Glu Ile Gly Glu
85 90 95

Asn Ser Leu Ile Val Ser Pro Glu His Val Cys Gln His Leu Glu Gln
100 105 110

Val

<210> 5789
<211> 32
<212> PRT
<213> Homo sapiens

<400> 5789
Lys Phe Ser Gln Ala Trp Trp His Met Pro Ile Val Pro Ala Ile Trp
1 5 10 15

Val Ala Lys Val Gly Glu Leu Leu Glu Pro Gly Arg Ser Arg Leu Gln
20 25 30

<210> 5790
<211> 67
<212> PRT
<213> Homo sapiens

<400> 5790
Val Tyr Lys Met Phe Ser Met Arg Asn Gln Glu Thr Tyr Thr Gly Leu
1 5 10 15

Thr Val Val Ser Tyr Met Ser Pro Gln Phe Gln Cys Ala Cys Ser Leu
20 25 30

Thr Ser Pro Phe Pro Asn Pro Ser Leu Leu Gly Cys Cys Phe Lys Val
35 40 45

```
Cys Pro Ser Pro Asn Leu Asp Phe Tyr Tyr Arg Ser Lys Ala Leu Ser
     50                  55                  60

Ile Leu Tyr
 65
```

<210> 5791
<211> 77
<212> PRT
<213> Homo sapiens

<400> 5791

```
Trp Leu Leu Cys Pro Val Arg Val Phe Ser Ser Leu Thr Trp Val His
  1               5                  10                  15

Phe Leu Met Ala His Met Lys Phe Gly Ser Tyr Gly Leu Thr Leu Ala
             20                  25                  30

Met Val Leu Ser Tyr Gly Glu Gln His Gln Arg Pro Val Thr Cys Lys
         35                  40                  45

Leu Lys Ile Gln Cys Gln Gly Pro Ser Pro Ala Pro Leu Ile Glu Asn
     50                  55                  60

Leu Leu Ala Ile Cys Ile Phe Arg Cys Ser Arg Leu Val
 65                  70                  75
```

<210> 5792
<211> 120
<212> PRT
<213> Homo sapiens

<400> 5792

```
Tyr Val Tyr Leu Ile Ile Leu Pro Leu Ala Lys Cys Tyr Val Cys Lys
  1               5                  10                  15

Met Trp His Leu Leu Val Phe Ile Val Cys Val Phe Phe Val Tyr Tyr
             20                  25                  30

Thr Leu Gly Asn Phe Val Leu Pro Lys Lys Lys Lys Lys Arg Lys Cys
         35                  40                  45

Asn Val Arg His Thr Arg Lys Ala Asn Gln Cys Cys Lys Leu Lys Val
     50                  55                  60

Gln Phe Gln Arg Ser Leu Pro Thr Ala Gly Phe Phe Leu Tyr Phe Lys
 65                  70                  75                  80
```

Asn Ile Met Leu His Ile Ile Ala Ile Phe Ile Phe Trp Gly Phe Ala
85 90 95

Thr Leu Ile Gln Trp Asn Gln Trp Lys Cys His Pro Ala Thr Glu Leu
100 105 110

Pro Leu Leu Tyr Leu Lys Ser Phe
115 120

<210> 5793
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5793
Leu Leu Gly Ser Cys Leu Gln Glu Ala Met Thr Leu Asn Ser Glu Pro
1 5 10 15

Tyr Ser Val Leu Thr Ser Gly Ser His Val Phe Leu Cys Gln Val Ile
20 25 30

Lys Tyr Leu Val Leu Val Phe Cys Leu Xaa Pro Lys Leu Pro Leu Trp
35 40 45

Val His Arg Arg Leu Gly Ser Ile Val Arg Met Ala Ile Arg Glu Tyr
50 55 60

Lys Xaa Gly Phe Ser Arg Ala Trp Glu Xaa Ile Leu Glu Pro Arg Arg

BNSDOCID: <WO 0122920A2 I >

65 70 75 80

Ala Xaa Pro Ala Leu Arg Ser Phe Gly Val Glu Met Gln Pro Trp Glu
85 90 95

Ile Trp Gly Val Ser Arg Pro Val
100

<210> 5794
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5794
Asp Leu Lys Arg Lys Ser Lys Ser Phe Tyr Tyr Asp Xaa Ile Pro Val
1 5 10 15

Glu Tyr Leu Lys Gly Thr Pro His Leu Asn Asn Gln Cys Lys Tyr Phe
20 25 30

Leu Ser Lys Leu
35

<210> 5795
<211> 96
<212> PRT
<213> Homo sapiens

<400> 5795
Ile Ala Arg Leu Val Gly Phe Ala Thr Cys Gly Ser Pro Arg Gly Ser
1 5 10 15

Lys Asn Gly Gly Arg Arg Gly Gly Gly Gly Pro Gly Arg Glu Trp Val
20 25 30

Glu Leu Glu Pro Gln Lys Ser Ala Glu Leu Arg Gly Arg Ala Gly Arg
35 40 45

Lys Gly Gly Gly Ala Ala Gly Ala Arg Gly His Pro Ala Ala Gly Cys
50 55 60

Ser Asp Arg Gly Lys Cys Leu Glu Asn Cys Gly Leu Arg Cys Leu Tyr

65 70 75 80

Asp Ala Val Leu Leu Glu Pro Trp Arg Lys Met Glu Leu Val Leu Gln
85 90 95

<210> 5796
<211> 220
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5796
Phe Gly Gly Ala Tyr Asp Gly Lys Tyr Glu Lys Thr Leu Tyr Gly His
1 5 10 15

Asn Leu Glu Ile Ser Asp Val Ala Trp Xaa Ser Asp Ser Xaa Arg Leu
20 25 30

Xaa Ser Ala Xaa Xaa Asp Lys Thr Leu Lys Leu Trp Asp Val Arg Ser
35 40 45

Gly Lys Cys Leu Lys Thr Leu Lys Gly His Ser Asn Tyr Val Phe Cys

```
     50                  55                  60

Cys Asn Phe Asn Pro Pro Ser Asn Leu Ile Ile Ser Gly Ser Phe Asp
 65                  70                  75                  80

Glu Thr Val Lys Ile Trp Glu Val Lys Thr Gly Lys Cys Leu Lys Thr
                 85                  90                  95

Leu Ser Ala His Ser Asp Pro Val Ser Ala Val His Phe Asn Cys Ser
            100                 105                 110

Gly Ser Leu Ile Val Ser Gly Ser Tyr Asp Gly Leu Cys Arg Ile Trp
        115                 120                 125

Asp Ala Ala Ser Gly Gln Cys Leu Lys Thr Leu Val Asp Asp Asp Asn
    130                 135                 140

Pro Pro Val Ser Phe Val Lys Phe Ser Pro Asn Gly Lys Tyr Ile Leu
145                 150                 155                 160

Thr Ala Thr Leu Asp Asn Thr Leu Lys Leu Trp Asp Tyr Ser Arg Gly
                165                 170                 175

Arg Cys Leu Lys Thr Tyr Thr Gly His Lys Asn Glu Lys Tyr Cys Ile
            180                 185                 190

Phe Ala Asn Phe Ser Val Thr Gly Gly Lys Trp Ile Val Ser Gly Ser
        195                 200                 205

Glu Asp Asn Arg Val Tyr Ile Trp Glu Pro Ser Asp
    210                 215                 220



<210> 5797
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
```

BNSDOCID: <WO__0122920A2 I >

<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5797

```
Asp Pro Arg Val Arg Thr Arg Xaa Pro Asn Met Tyr Gln Val Val Leu
  1               5                  10                  15

Leu Phe Val Val Val Pro Glu Leu Gln Glu His Gln Ser Lys Pro Ser
             20                  25                  30

Arg Pro Ser Pro Arg Val Ala Asp Asn Pro Glu Glu Gly Arg Glu Pro
         35                  40                  45

His Asn Asp Arg Pro Val Ser Met Ala Phe Gly Cys Gln Pro Glu His
     50                  55                  60

Val Tyr Ala Glu Cys Gly Lys Thr Tyr Arg Pro Pro Pro Thr Pro Lys
 65                  70                  75                  80

Leu Phe Pro Gln Ser Thr Val Xaa Asn Thr Thr Pro Ser Phe Thr Ser
                 85                  90                  95

Gly Thr Gln Glu Xaa Leu Phe Val Phe Leu Ile Ser Ile Ser Arg Arg
            100                 105                 110

Leu Phe Ser Thr Pro Leu Phe Leu Pro Pro Gln Phe Ala Ile Pro Leu
        115                 120                 125

Leu Ala Leu
    130
```

<210> 5798
<211> 239
<212> PRT
<213> Homo sapiens

<400> 5798

```
Gln Pro Pro Gly Thr Arg Asp Pro Ala Pro Pro Leu Ile Thr Pro Ala
  1               5                  10                  15

Thr Pro Gln Leu Ser Ala Ala Pro Asp Ala Met Asp Pro Ala Leu Ala
             20                  25                  30

Ala Gln Met Ser Glu Ala Val Ala Glu Lys Met Leu Gln Tyr Arg Arg
         35                  40                  45

Asp Thr Ala Gly Trp Lys Ile Cys Arg Glu Gly Asn Gly Val Ser Val
     50                  55                  60
```

```
Ser Trp Arg Pro Ser Val Glu Phe Pro Gly Asn Leu Tyr Arg Gly Glu
 65                  70                  75                  80

Gly Ile Val Tyr Gly Thr Leu Glu Glu Val Trp Asp Cys Val Lys Pro
                85                  90                  95

Ala Val Gly Gly Leu Arg Val Lys Trp Asp Glu Asn Val Thr Gly Phe
            100                 105                 110

Glu Ile Ile Gln Ser Ile Thr Asp Thr Leu Cys Val Ser Arg Thr Ser
        115                 120                 125

Thr Pro Ser Ala Ala Met Lys Leu Ile Ser Pro Arg Asp Phe Val Asp
    130                 135                 140

Leu Val Leu Val Lys Arg Tyr Glu Asp Gly Thr Ile Ser Ser Asn Ala
145                 150                 155                 160

Thr His Val Glu His Pro Leu Cys Pro Pro Lys Pro Gly Phe Val Arg
                165                 170                 175

Gly Phe Asn His Pro Cys Gly Cys Phe Cys Glu Pro Leu Pro Gly Glu
            180                 185                 190

Pro Thr Lys Thr Asn Leu Val Thr Phe Phe His Thr Asp Leu Ser Gly
        195                 200                 205

Tyr Leu Pro Gln Asn Val Val Asp Ser Phe Phe Pro Arg Ser Met Thr
    210                 215                 220

Arg Phe Tyr Ala Asn Leu Gln Lys Ala Val Lys Gln Phe His Glu
225                 230                 235
```

<210> 5799
<211> 66
<212> PRT
<213> Homo sapiens

<400> 5799

```
Ala Tyr Thr Thr Met Thr Glu Asn Lys Arg Leu Phe Phe Glu Thr Pro
  1               5                  10                  15

Ser Gln Lys Gln Asn Lys Thr Lys Lys Leu Asp Lys Cys Tyr Ile Asn
            20                  25                  30

Val Trp Val Val Arg Phe Tyr Phe Glu Ser Glu Val Cys Arg Tyr Ala
        35                  40                  45

Tyr Arg Phe Leu Glu Phe Thr Thr Phe Leu Phe Cys Ile Ile Asn Val
```

50 55 60

Ile Phe
65

<210> 5800
<211> 173
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (168)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5800
Arg His Glu Asp Phe Thr Asp Thr Ala Tyr Leu Phe Lys Ile Gln Ile
1 5 10 15

Glu Ser Leu Asn Asp Lys Leu Gln Asn Ala Lys Glu Gln Leu Arg Glu
20 25 30

Lys Glu Phe Ile Met Leu Gln Asn Glu Gln Glu Ile Ser Gln Leu Lys
35 40 45

BNSDOCID: <WO__ 0122920A2 1 >

```
Lys Glu Ile Glu Arg Thr Xaa Gln Arg Met Lys Glu Met Xaa Ser Val
     50                  55                  60

Met Lys Glu Gln Glu Gln Tyr Ile Ala Thr Gln Tyr Lys Glu Ala Ile
 65                  70                  75                  80

Asp Leu Gly Gln Glu Leu Arg Leu Thr Arg Glu Gln Val Gln Asn Ser
                 85                  90                  95

His Thr Glu Leu Ala Glu Ala Arg His Gln Gln Val Gln Ala Gln Arg
            100                 105                 110

Glu Ile Glu Arg Leu Ser Ser Glu Leu Glu Asp Met Lys Gln Leu Ser
        115                 120                 125

Lys Glu Lys Asp Ala His Gly Asn His Leu Ala Glu Glu Leu Gly Ala
    130                 135                 140

Ser Lys Gly Arg Glu Ala Tyr Leu Glu Ala Arg Met Gln Ala Glu Ile
145                 150                 155                 160

Lys Lys Leu Xaa Xaa Xaa Val Xaa Ile Ser Ser Lys Lys
                165                 170
```

<210> 5801
<211> 719
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (302)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5801

```
Phe Lys Val Ile Phe Leu Leu Gln Asp Gly Ile Val Asn Pro Thr Ile
  1               5                  10                  15

Arg Lys Asp Leu Lys Thr Gly Pro Lys Phe Tyr Cys Cys Pro Ile Glu
            20                  25                  30

Gly Cys Pro Arg Gly Pro Glu Arg Pro Phe Ser Gln Phe Ser Leu Val
        35                  40                  45

Lys Gln His Phe Met Lys Met His Ala Glu Lys Lys His Lys Cys Ser
     50                  55                  60

Lys Cys Ser Asn Ser Tyr Gly Thr Glu Trp Asp Leu Lys Arg His Ala
```

65 70 75 80

Glu Asp Cys Gly Lys Thr Phe Arg Cys Thr Cys Gly Cys Pro Tyr Ala
85 90 95

Ser Arg Thr Ala Leu Gln Ser His Ile Tyr Arg Thr Gly His Glu Ile
100 105 110

Pro Ala Glu His Arg Asp Pro Pro Ser Lys Lys Arg Lys Met Glu Asn
115 120 125

Cys Ala Gln Asn Gln Lys Leu Ser Asn Lys Thr Ile Glu Ser Leu Asn
130 135 140

Asn Gln Pro Ile Pro Arg Pro Asp Thr Gln Glu Leu Glu Ala Ser Glu
145 150 155 160

Ile Lys Leu Glu Pro Ser Phe Glu Asp Ser Cys Gly Ser Asn Thr Asp
165 170 175

Lys Gln Thr Leu Thr Thr Pro Pro Arg Tyr Pro Gln Lys Leu Leu Leu
180 185 190

Pro Lys Pro Lys Val Ala Leu Val Lys Leu Pro Val Met Gln Phe Ser
195 200 205

Val Met Pro Val Phe Val Pro Thr Ala Asp Ser Ser Ala Gln Pro Val
210 215 220

Val Leu Gly Val Asp Gln Gly Ser Ala Thr Gly Ala Val His Leu Met
225 230 235 240

Pro Leu Ser Val Gly Thr Leu Ile Leu Gly Leu Asp Ser Glu Ala Cys
245 250 255

Ser Leu Lys Glu Ser Leu Pro Leu Phe Lys Ile Ala Asn Pro Ile Ala
260 265 270

Gly Glu Pro Ile Ser Thr Gly Val Gln Val Asn Phe Gly Lys Ser Pro
275 280 285

Ser Asn Pro Leu Gln Glu Leu Gly Asn Thr Cys Gln Lys Xaa Ser Ile
290 295 300

Ser Ser Ile Asn Val Gln Thr Asp Leu Ser Tyr Ala Ser Gln Asn Phe
305 310 315 320

Ile Pro Ser Ala Gln Trp Ala Thr Ala Asp Ser Ser Val Ser Ser Cys
325 330 335

Ser Gln Thr Asp Leu Ser Phe Asp Ser Gln Val Ser Leu Pro Ile Ser

340 345 350

Val His Thr Gln Thr Phe Leu Pro Ser Ser Lys Val Thr Ser Ser Ile
355 360 365

Ala Ala Gln Thr Asp Ala Phe Met Asp Thr Cys Phe Gln Ser Gly Gly
370 375 380

Val Ser Arg Glu Thr Gln Thr Ser Gly Ile Glu Ser Pro Thr Asp Asp
385 390 395 400

His Val Gln Met Asp Gln Ala Gly Met Cys Gly Asp Ile Phe Glu Ser
405 410 415

Val His Ser Ser Tyr Asn Val Ala Thr Gly Asn Ile Ile Ser Asn Ser
420 425 430

Leu Val Ala Glu Thr Val Thr His Ser Leu Leu Pro Gln Asn Glu Pro
435 440 445

Lys Thr Leu Asn Gln Asp Ile Glu Lys Ser Ala Pro Ile Ile Asn Phe
450 455 460

Ser Ala Gln Asn Ser Met Leu Pro Ser Gln Asn Met Thr Asp Asn Gln
465 470 475 480

Thr Gln Thr Ile Asp Leu Leu Ser Asp Leu Glu Asn Ile Leu Ser Ser
485 490 495

Asn Leu Pro Ala Gln Thr Leu Asp His Arg Ser Leu Leu Ser Asp Thr
500 505 510

Asn Pro Gly Pro Asp Thr Gln Leu Pro Ser Gly Pro Ala Gln Asn Pro
515 520 525

Gly Ile Asp Phe Asp Ile Glu Glu Phe Phe Ser Ala Ser Asn Ile Gln
530 535 540

Thr Gln Thr Glu Glu Ser Glu Leu Ser Thr Met Thr Thr Glu Pro Val
545 550 555 560

Leu Glu Ser Leu Asp Ile Glu Thr Gln Thr Asp Phe Leu Leu Ala Asp
565 570 575

Thr Ser Ala Gln Ser Tyr Gly Cys Arg Gly Asn Ser Asn Phe Leu Gly
580 585 590

Leu Glu Met Phe Asp Thr Gln Thr Gln Thr Asp Leu Asn Phe Phe Leu
595 600 605

Asp Ser Ser Pro His Leu Pro Leu Gly Ser Ile Leu Lys His Ser Ser

BNSDOCID: <WO___0122920A2 I >

610 615 620

Phe Ser Val Ser Thr Asp Ser Ser Asp Thr Glu Thr Gln Thr Glu Gly
625 630 635 640

Val Ser Thr Ala Lys Asn Ile Pro Ala Leu Glu Ser Lys Val Gln Leu
645 650 655

Asn Ser Thr Glu Thr Gln Thr Met Ser Ser Gly Phe Glu Thr Leu Gly
660 665 670

Ser Leu Phe Phe Thr Ser Asn Glu Thr Gln Thr Ala Met Asp Asp Phe
675 680 685

Leu Leu Ala Asp Leu Ala Trp Asn Thr Met Glu Ser Gln Phe Ser Ser
690 695 700

Val Glu Thr Gln Thr Ser Ala Glu Pro His Thr Val Ser Asn Phe
705 710 715

<210> 5802
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5802
Asn Ser Xaa Met Gln Xaa Pro Glu Trp His Phe Ala Thr Leu Ser His
1 5 10 15

```
Ala Leu Ile Ala Phe Gln Asn Glu Ser Tyr Leu Arg Gln Leu Leu Trp
            20                  25                  30

Val Lys Ser Xaa Leu Tyr Ser Arg Val Arg Leu Leu Gly Val Cys Leu
        35                  40                  45

Tyr Xaa Lys Arg Gly Gly Leu Ser
    50                  55
```

<210> 5803
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5803

```
Ser Val Ala Cys Lys Glu Lys Lys Met Ala Ser Asp Ile Trp Tyr Lys
  1               5                  10                  15

Leu Leu Asn Arg Ile Ile Arg Ala Ser Phe Val Lys Pro Ala Phe Lys
            20                  25                  30

Cys Trp Thr Ala Ser Lys Ser Val Cys Phe Xaa Ser Ser Val Pro Tyr
        35                  40                  45

Thr Lys Lys Gln Leu Leu Pro Ser Tyr Tyr Ile Cys
    50                  55                  60
```

<210> 5804
<211> 55
<212> PRT
<213> Homo sapiens

<400> 5804

```
Phe Thr Gln Tyr Gly Ala Ala Cys Phe Cys Asp Phe Lys Ile Asp Gln
  1               5                  10                  15

Gly Thr Phe Ala Phe Glu Glu Arg Asn Phe Leu Gly Leu Val Thr Arg
            20                  25                  30

Ala Val Asp Val Pro Lys Ser Lys Asp Val Cys Cys Pro Trp Val Ser
        35                  40                  45
```

His Cys Arg Phe Ile Thr Trp
50 55

<210> 5805
<211> 367
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (358)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5805
Ala Arg Gln Thr Gly Leu Glu Asp Pro Leu Arg Leu Arg Arg Ala Glu
1 5 10 15

Ser Thr Arg Arg Val Leu Gly Leu Glu Leu Asn Lys Asp Arg Asp Val
20 25 30

Glu Arg Ile His Gly Gly Gly Ile Asn Thr Leu Asp Ile Glu Pro Val
35 40 45

Glu Gly Arg Tyr Met Leu Ser Gly Gly Ser Asp Gly Val Ile Val Leu
50 55 60

Tyr Asp Leu Glu Asn Ser Ser Arg Gln Ser Tyr Tyr Thr Cys Lys Ala
65 70 75 80

Val Cys Ser Ile Gly Arg Asp His Pro Asp Val His Arg Tyr Ser Val
85 90 95

Glu Thr Val Gln Trp Tyr Pro His Asp Thr Gly Met Phe Thr Ser Ser
100 105 110

Ser Phe Asp Lys Thr Leu Lys Val Trp Asp Thr Asn Thr Leu Gln Thr
115 120 125

Ala Asp Val Phe Asn Phe Glu Glu Thr Val Tyr Ser His His Met Ser
130 135 140

Pro Val Ser Thr Lys His Cys Leu Val Ala Val Gly Thr Arg Gly Pro
145 150 155 160

Lys Val Gln Leu Cys Asp Leu Lys Ser Gly Ser Cys Ser His Ile Leu
165 170 175

Gln Gly His Arg Gln Glu Ile Leu Ala Val Ser Trp Ser Pro Arg Tyr
180 185 190

BNSDOCID: <WO _ 0122920A2 I >

```
Asp Tyr Ile Leu Ala Thr Ala Ser Ala Asp Ser Arg Val Lys Leu Trp
        195                 200                 205

Asp Val Arg Arg Ala Ser Gly Cys Leu Ile Thr Leu Asp Gln His Asn
    210                 215                 220

Gly Lys Lys Ser Gln Ala Val Glu Ser Ala Asn Thr Ala His Asn Gly
225                 230                 235                 240

Lys Val Asn Gly Leu Cys Phe Thr Ser Asp Gly Leu His Leu Leu Thr
                245                 250                 255

Val Gly Thr Asp Asn Arg Met Arg Leu Trp Asn Ser Ser Asn Gly Glu
            260                 265                 270

Asn Thr Leu Val Asn Tyr Gly Lys Val Cys Asn Asn Ser Lys Lys Gly
        275                 280                 285

Leu Lys Phe Thr Val Ser Cys Gly Cys Ser Ser Glu Phe Val Phe Val
    290                 295                 300

Pro Tyr Gly Ser Thr Ile Ala Val Tyr Thr Val Tyr Ser Gly Glu Gln
305                 310                 315                 320

Ile Thr Met Leu Lys Gly His Tyr Lys Thr Val Asp Cys Cys Val Phe
                325                 330                 335

Gln Ser Asn Phe Gln Val Leu Tyr Ser Gly Ser Arg Asp Cys Asn Ile
            340                 345                 350

Leu Ala Trp Val Pro Xaa Leu Tyr Glu Pro Val Pro Asp Asp Gly
        355                 360                 365
```

<210> 5806
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I >

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5806
Lys Lys Xaa Gly Leu Asn Arg Pro Pro Phe Gly Ala Gln Arg Arg Val
1 5 10 15

Leu Thr Pro Arg Gly Gly Phe Pro Pro Gly Gly Xaa Lys Ile Phe Ser
20 25 30

Pro Pro Pro Gly Gly Gly Phe Pro Gly Lys Pro Pro Pro Lys Thr Gly
35 40 45

Ala Arg Xaa Phe Pro Pro Gly Gly Gly Pro Phe Pro Lys Phe Phe Phe
50 55 60

Ala Gln Asn Xaa Ser Gln Lys Ile
65 70

<210> 5807
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5807
His Gly Val Arg Arg Arg Leu Arg Val Thr Arg Gln Arg Ala Thr Ala
1 5 10 15

Leu Val Gln Ser Ala Arg Val Arg Arg Trp Lys Arg Ser Arg Arg Asn
20 25 30

Pro Gln Ile Ala Pro Phe Pro Arg Asp Leu Ser Gly Xaa Arg Ala Thr
35 40 45

Ala Gln Pro Arg Ala Pro Ala Leu Arg Pro Arg His Thr Pro Gln Ser
50 55 60

```
Ser Ser Ser Gly Ser Ala Pro Thr Pro Arg Arg Asp Gln Pro Ala Arg
 65                  70                  75                  80

Gly Gly Leu Thr Ala Pro Ser Ser Gln Glu Gly Thr Gln Arg Thr Thr
                 85                  90                  95

Glu Pro His Ser Ala Pro Arg Ser Pro Leu Trp Leu Leu Ala Ser Arg
            100                 105                 110

Pro Thr Arg Ala Ala Met Val Thr Ser Pro Pro Pro Leu
        115                 120                 125
```

<210> 5808
<211> 227
<212> PRT
<213> Homo sapiens

<400> 5808

```
Lys Met Asp Trp Gly Thr Leu Gln Thr Ile Leu Gly Gly Val Asn Lys
  1               5                  10                  15

His Ser Thr Ser Ile Gly Lys Ile Trp Leu Thr Val Leu Phe Ile Phe
             20                  25                  30

Arg Ile Met Ile Leu Val Val Ala Ala Lys Glu Val Trp Gly Asp Glu
         35                  40                  45

Gln Ala Asp Phe Val Cys Asn Thr Leu Gln Pro Gly Cys Lys Asn Val
     50                  55                  60

Cys Tyr Asp His Tyr Phe Pro Ile Ser His Ile Arg Leu Trp Ala Leu
 65                  70                  75                  80

Gln Leu Ile Phe Val Ser Thr Pro Ala Leu Leu Val Ala Met His Val
                 85                  90                  95

Ala Tyr Arg Arg His Glu Lys Lys Arg Lys Phe Ile Lys Gly Glu Ile
            100                 105                 110

Lys Ser Glu Phe Lys Asp Ile Glu Glu Ile Lys Thr Gln Lys Val Arg
        115                 120                 125

Ile Glu Gly Ser Leu Trp Trp Thr Tyr Thr Ser Ser Ile Phe Phe Arg
    130                 135                 140

Val Ile Phe Glu Ala Ala Phe Met Tyr Val Phe Tyr Val Met Tyr Asp
145                 150                 155                 160

Gly Phe Ser Met Gln Arg Leu Val Lys Cys Asn Ala Trp Pro Cys Pro
```

165 170 175

Asn Thr Val Asp Cys Phe Val Ser Arg Pro Thr Glu Lys Thr Val Phe
180 185 190

Thr Val Phe Met Ile Ala Val Ser Gly Ile Cys Ile Leu Leu Asn Val
195 200 205

Thr Glu Leu Cys Tyr Leu Leu Ile Arg Tyr Cys Ser Gly Lys Ser Lys
210 215 220

Lys Pro Val
225

<210> 5809
<211> 213
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO 0122920A2 I >

<400> 5809
Ala Thr Val Pro Ile Arg Pro Asn Phe Thr Gly Lys Ser Ser Tyr Arg
1 5 10 15

Val Tyr Lys Leu Pro Ile Ser Gly Glu Thr Phe Asn Arg Glu Lys Phe
20 25 30

Arg Ser Gln Asp Trp Glu Asn Pro Thr Glu Arg Glu Asp Asp Ser Asp
35 40 45

Lys Tyr Cys Lys Leu Asn Leu Gln Gln Ser Gly Ser Phe Gln Tyr Tyr
50 55 60

Xaa Leu Gln Gly Asn Glu Lys Xaa Gly Gly Xaa Tyr Ile Val Val Xaa
65 70 75 80

Pro Ile Leu Arg Val Xaa Ala Asp Asn His Val Leu Pro Leu Asp Cys
85 90 95

Val Thr Leu Gln Thr Phe Leu Ala Lys Cys Leu Gly Pro Phe Asp Glu
100 105 110

Trp Glu Ser Arg Leu Arg Val Ala Lys Glu Ser Gly Tyr Asn Met Ile
115 120 125

His Phe Thr Pro Leu Gln Thr Leu Gly Leu Ser Arg Ser Cys Tyr Ser
130 135 140

Leu Ala Asn Gln Leu Glu Leu Asn Pro Asp Phe Ser Arg Pro Asn Arg
145 150 155 160

Lys Tyr Thr Trp Asn Xaa Val Gly Gln Leu Val Glu Lys Leu Lys Lys
165 170 175

Glu Trp Ile Val Phe Cys Ile Thr Asp Val Val Tyr Asn His Thr Ala
180 185 190

Ala Asn Ser Asn Cys Ile Gln Glu His Pro Glu Cys Ala Tyr Ile Leu
195 200 205

Val Ile Ser Pro His
210

<210> 5810
<211> 67
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5810
Gly Val His Tyr Cys Glu Phe Ile Ile Leu Lys Val Gly Asp Ala Lys
1 5 10 15

Ser Thr Arg Leu Lys Xaa Tyr Glu Val Phe Ser Ser Phe Asn Ser Ile
20 25 30

Leu Leu Glu Lys Asn Xaa His Asn Arg Gly Ser Phe Thr Phe Pro Gln
35 40 45

Pro Ser Arg Leu Leu Tyr Cys Asn Val Gly Lys Ile Ala Tyr Asn Lys
50 55 60

Asn Cys Ser
65

<210> 5811
<211> 260
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (185)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (195)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5811
Val Arg Ala Gly Pro Ala Ala Ala Gly Pro Arg Pro Gly Ala Glu Arg
1 5 10 15

5100

```
Lys Cys Trp Ser Leu Arg Ser Leu Arg Pro Leu Gly Gly Arg Cys Ala
            20                  25                  30

Trp Pro Gly Thr Ser Ala Pro Ala His Arg Pro Gly Ala Ala Glu Gly
        35                  40                  45

Arg Pro Arg Gly Pro Val Pro Ala Glu Pro Arg Pro Cys Pro Leu Ala
    50                  55                  60

Leu Leu Ser Gly His Tyr Leu Tyr Tyr His Tyr Gly Cys Asp Gly Leu
65                  70                  75                  80

Asp Asp Arg Gly Trp Gly Cys Gly Tyr Arg Thr Leu Gln Thr Leu Cys
                85                  90                  95

Ser Trp Pro Glu Gly Gln Pro Ala Gly Val Pro Gly Leu Ala Ala Val
            100                 105                 110

Gln Ala Ala Leu Glu Asp Met Gly Asp Lys Pro Pro Gly Phe Arg Gly
        115                 120                 125

Ser Arg Asp Trp Ile Gly Cys Val Glu Ala Ser Leu Cys Leu Ala His
    130                 135                 140

Phe Gly Gly Pro Gln Gly Arg Leu Cys His Val Pro Arg Gly Val Gly
145                 150                 155                 160

Leu His Gly Glu Xaa Glu Arg Leu Tyr Ser His Phe Ala Gly Gly Gly
                165                 170                 175

Gly Pro Val Met Val Gly Gly Asp Xaa Asp Ala Arg Ser Lys Ala Leu
            180                 185                 190

Leu Gly Xaa Cys Val Gly Ser Gly Thr Glu Ala Tyr Val Leu Val Leu
        195                 200                 205

Asp Pro His Tyr Trp Gly Thr Pro Lys Ser Pro Ser Glu Leu Gln Ala
    210                 215                 220

Ala Gly Trp Val Gly Trp Gln Glu Val Ser Ala Ala Phe Asp Pro Asn
225                 230                 235                 240

Ser Phe Tyr Asn Leu Cys Leu Thr Ser Leu Ser Ser Gln Gln Gln Gln
                245                 250                 255

Arg Thr Leu Asp
            260
```

<210> 5812

BNSDOCID: <WO _ 0122920A2 I >>

<211> 364
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (269)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (299)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (310)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (319)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (356)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (363)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5812
Trp Xaa Pro Arg Ala Ala Gly Ile Arg His Glu Leu Phe Gln Ala Leu

5102

1 5 10 15

Ile Asp Ile Gln Glu Phe Tyr Glu Val Thr Leu Leu Asp Asn Pro Lys
20 25 30

Cys Ile Asp Arg Ser Lys Pro Ser Glu Pro Ile Gln Pro Val Asn Thr
35 40 45

Trp Glu Ile Ser Ser Leu Pro Ser Ser Thr Val Thr Ser Glu Thr Leu
50 55 60

Pro Ser Ser Leu Ser Pro Ser Val Glu Lys Tyr Arg Tyr Gln Asp Glu
65 70 75 80

Asp Thr Pro Pro Gln Glu His Ile Ser Pro Gln Ile Thr Asn Glu Val
85 90 95

Ile Gly Pro Glu Leu Val His Val Ser Glu Lys Asn Leu Ser Glu Ile
100 105 110

Glu Asn Val His Gly Phe Val Ser His Ser His Ile Ser Pro Ile Lys
115 120 125

Pro Thr Glu Ala Val Leu Pro Ser Pro Pro Thr Val Pro Val Ile Pro
130 135 140

Val Leu Pro Val Pro Ala Glu Asn Thr Xaa Ile Leu Pro Thr Ile Pro
145 150 155 160

Gln Ala Asn Pro Pro Xaa Val Leu Val Asn Thr Asp Ser Leu Glu Thr
165 170 175

Pro Thr Tyr Val Asn Gly Thr Asp Ala Asp Tyr Glu Tyr Glu Glu Ile
180 185 190

Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly
195 200 205

Thr Asp Asn Pro His Ile Gly Asp Asp Ser Ser Ile Phe Ile Thr Lys
210 215 220

Ile Ile Thr Gly Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val Asn
225 230 235 240

Asp Cys Ile Leu Arg Val Asn Glu Val Asp Val Arg Asp Val Thr His
245 250 255

Ser Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Xaa Val Arg Leu
260 265 270

Tyr Val Lys Arg Arg Lys Pro Val Ser Glu Lys Ile Met Glu Ile Lys

BNSDOCID: <WO__ 0122920A2_I >

275 280 285

Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Xaa Ile Ala Gly Gly Val
290 295 300

Gly Asn Gln His Ile Xaa Gly Asp Asn Ser Ile Tyr Val Thr Xaa Ile
305 310 315 320

Ile Glu Gly Gly Ala Ala His Lys Asp Gly Lys Leu Gln Ile Gly Asp
325 330 335

Lys Leu Leu Ala Val Asn Asn Val Cys Leu Glu Glu Val Thr His Glu
340 345 350

Glu Ala Val Xaa Ala Leu Lys Ser Thr Ser Xaa Phe
355 360

<210> 5813
<211> 277
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5813
Gly Ser Cys Ser Ser Arg Cys Asp Ser Arg Asn Gln Arg His Leu Arg
1 5 10 15

Val Ser Arg Lys Pro Pro Phe Val Val Ser Arg Thr Glu Gly Tyr Ile
20 25 30

Gly Val Leu Ile Asp Asp Leu Thr Thr Leu Gly Thr Xaa Glu Pro Tyr
35 40 45

Arg Met Phe Thr Ser Arg Val Glu Phe Arg Leu Ser Leu Arg Pro Asp
50 55 60

Asn Ala Asp Ser Arg Leu Thr Leu Arg Gly Tyr Lys Asp Ala Gly Cys
65 70 75 80

Val Ser Gln Gln Arg Tyr Glu Arg Ala Cys Trp Met Lys Ser Ser Leu
85 90 95

Glu Glu Gly Ile Ser Val Leu Lys Ser Ile Glu Phe Leu Ser Ser Lys
100 105 110

```
Trp Lys Lys Leu Ile Pro Glu Ala Ser Ile Ser Thr Ser Arg Ser Leu
        115                 120                 125

Pro Val Arg Ala Leu Asp Val Leu Lys Tyr Glu Glu Val Asp Met Asp
    130                 135                 140

Ser Leu Ala Lys Ala Val Pro Glu Pro Leu Lys Lys Tyr Thr Lys Cys
145                 150                 155                 160

Arg Glu Leu Ala Glu Arg Leu Lys Ile Glu Ala Thr Tyr Glu Ser Val
                165                 170                 175

Leu Phe His Gln Leu Gln Glu Ile Lys Gly Val Gln Gln Asp Glu Ala
            180                 185                 190

Leu Gln Leu Pro Lys Asp Leu Asp Tyr Leu Thr Ile Arg Asp Val Ser
        195                 200                 205

Leu Ser His Glu Val Arg Glu Lys Leu His Phe Ser Arg Pro Gln Thr
    210                 215                 220

Ile Gly Ala Ala Ser Arg Ile Pro Gly Val Thr Pro Ala Ala Ile Ile
225                 230                 235                 240

Asn Leu Leu Arg Phe Val Lys Thr Thr Gln Arg Arg Gln Ser Ala Met
                245                 250                 255

Asn Glu Ser Ser Lys Thr Asp Gln Tyr Leu Cys Asp Ala Asp Arg Leu
            260                 265                 270

Gln Glu Arg Glu Leu
        275
```

<210> 5814
<211> 36
<212> PRT
<213> Homo sapiens

<400> 5814

```
Ile Phe His Arg Val Leu Leu Cys Asp Leu Asn Phe Ser Leu Gly Pro
  1               5                  10                  15

Ala Ser Asp Ile Val Gly Gly Leu Ser Trp Phe Gln Glu Ile Arg Leu
            20                  25                  30

Ala Phe Ser Ser
        35
```

BNSDOCID: <WO__ 0122920A2 I >

<210> 5815
<211> 160
<212> PRT
<213> Homo sapiens

<400> 5815
Ala Gly Ser Gln Glu Ser Ala Lys Ala Leu Met Ile Arg Glu Lys Tyr
1 5 10 15

Ala Gly Ser Pro Thr His Leu Pro Ala Asp His Ile Pro Val Pro Gly
20 25 30

Ser Ser Arg Ala Asp Thr Ala Pro Pro Glu Glu Gly Leu Pro Asp Phe
35 40 45

His Pro Pro Pro Leu Pro Gln Glu Asp Pro Tyr Cys Leu Asp Asp Ala
50 55 60

Pro Pro Asn Leu Asp Tyr Leu Val His Met Gln Gly Gly Ile Leu Phe
65 70 75 80

Val Tyr Asp Asn Lys Lys Met Leu Glu His Gln Glu Pro His Ser Leu
85 90 95

Pro Tyr Pro Asp Leu Glu Thr Tyr Thr Val Asp Met Ser His Ile Leu
100 105 110

Ala Leu Ile Thr Asp Gly Pro Thr Lys Thr Tyr Cys His Arg Arg Leu
115 120 125

Asn Phe Leu Glu Ser Lys Phe Ser Leu His Glu Met Leu Asn Glu Met
130 135 140

Ser Glu Phe Lys Glu Leu Lys Ser Asn Pro His Arg Asp Phe Tyr Asn
145 150 155 160

<210> 5816
<211> 71
<212> PRT
<213> Homo sapiens

<400> 5816
Lys Thr Lys Tyr Leu Leu Trp Asp Lys Ile Leu Tyr Ala Tyr Leu Glu
1 5 10 15

Tyr Trp Glu Asp Gly Lys Glu Tyr Lys Glu Lys Asn Asn Cys Thr Pro
20 25 30

His Ser Arg His Asn Leu Leu Phe Thr Ser Leu Gly Cys Ile Ser Ile
35 40 45

Pro Thr Arg Trp Asn His Leu Tyr Val Tyr Leu Ile Arg Ile Met Leu
50 55 60

His Thr Val Leu Phe Pro Ser
65 70

<210> 5817
<211> 23
<212> PRT
<213> Homo sapiens

<400> 5817
Lys Lys Ala Trp Glu Pro Val Cys Phe Glu Arg Thr Asp Asp Ile Gly
1 5 10 15

Arg Ala Leu Glu Val Pro Gly
20

<210> 5818
<211> 155
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5818

```
Pro His Pro Thr Xaa Trp Xaa Gln Leu Glu Glu Xaa Cys Arg Arg Leu
  1               5                  10                  15

Ala Glu Val Ser Lys Pro Pro Lys Gln Arg Cys Cys Val Ala Ser Gln
             20                  25                  30

Gln Arg Asp Arg Asn His Ser Ala Thr Val Gln Thr Gly Ala Thr Xaa
         35                  40                  45

Phe Ser Asn Pro Ser Leu Ala Pro Glu Asp His Lys Glu Pro Lys Lys
     50                  55                  60

Leu Ala Gly Val His Ala Leu Gln Ala Ser Glu Leu Val Val Thr Tyr
 65                  70                  75                  80

Phe Phe Cys Gly Glu Glu Ile Pro Tyr Arg Arg Met Leu Lys Ala Gln
                 85                  90                  95

Ser Leu Thr Leu Gly His Phe Lys Glu Gln Leu Ser Lys Lys Gly Asn
            100                 105                 110

Tyr Arg Tyr Tyr Phe Lys Lys Ala Ser Asp Glu Phe Ala Cys Gly Ala
        115                 120                 125

Val Phe Glu Glu Ile Trp Glu Asp Glu Thr Val Leu Pro Met Tyr Glu
    130                 135                 140

Gly Arg Ile Leu Gly Lys Val Glu Arg Ile Asp
145                 150                 155
```

<210> 5819
<211> 317
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (245)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5819

```
Met Asn Lys Leu Asn Glu Leu Glu Lys Ile Cys Glu Ile Leu Gln Ala
  1               5                  10                  15

Glu Lys Tyr Xaa Leu Val Thr Glu Leu Asn Asp Ser Arg Ser Glu Cys
             20                  25                  30

Ile Thr Ala Thr Arg Lys Met Ala Glu Glu Val Gly Lys Leu Leu Asn
         35                  40                  45

Glu Val Lys Ile Leu Asn Asp Asp Ser Gly Leu Leu His Gly Glu Leu
     50                  55                  60

Val Glu Asp Ile Pro Gly Gly Glu Phe Gly Glu Gln Pro Asn Glu Gln
 65                  70                  75                  80

His Pro Val Ser Leu Ala Pro Leu Asp Glu Ser Asn Ser Tyr Glu His
                85                  90                  95

Leu Thr Leu Ser Asp Lys Glu Val Gln Met His Phe Ala Glu Leu Gln
            100                 105                 110

Xaa Lys Phe Xaa Ser Leu Gln Ser Glu His Lys Ile Leu His Asp Gln
        115                 120                 125

His Cys Gln Met Ser Ser Lys Met Ser Glu Leu Gln Thr Tyr Val Asp
    130                 135                 140

Ser Leu Lys Ala Glu Asn Leu Val Leu Ser Thr Asn Leu Arg Asn Phe
145                 150                 155                 160

Gln Gly Asp Leu Val Lys Glu Met Gln Leu Gly Leu Glu Glu Gly Leu
                165                 170                 175

Val Pro Ser Leu Ser Ser Ser Cys Val Pro Asp Ser Ser Ser Leu Ser
            180                 185                 190

Ser Leu Gly Asp Ser Ser Phe Tyr Arg Ala Leu Leu Glu Gln Thr Gly
        195                 200                 205

Asp Met Ser Leu Leu Ser Asn Leu Glu Gly Ala Val Ser Ala Asn Gln
    210                 215                 220
```

BNSDOCID: <WO_ 0122920A2_I_>

```
Cys Ser Val Asp Glu Val Phe Cys Ser Ser Leu Gln Glu Glu Asn Leu
225                 230                 235                 240

Thr Arg Lys Glu Xaa Pro Ser Ala Pro Ala Lys Gly Val Glu Glu Leu
                245                 250                 255

Glu Ser Leu Cys Glu Val Tyr Arg Gln Ser Leu Glu Lys Leu Glu Glu
            260                 265                 270

Lys Met Glu Ser Gln Gly Ile Met Lys Asn Lys Glu Ile Gln Glu Leu
        275                 280                 285

Glu Gln Leu Leu Ser Ser Glu Gly Lys Ser Leu Thr Ala Leu Gly Ala
    290                 295                 300

Val Phe Val Arg His Asp Ser Gly Thr Glu Leu Thr Ala
305                 310                 315
```

<210> 5820
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5820

```
Pro Asn Trp Glu Lys Lys Cys Ile Arg Leu Ala Leu Xaa Thr Arg Glu
  1               5                  10                  15

Gln His Ile Arg Arg Asp Lys Ala Thr Ser Asn Ile Cys Thr Ala Gln
            20                  25                  30

Ala Leu Leu Ala Asn Met Ala Ala Met Phe Ala Ile Tyr His Gly Ser
        35                  40                  45

His Gly Leu Xaa His Ile Ala
    50                  55
```

<210> 5821
<211> 70
<212> PRT
<213> Homo sapiens

<400> 5821
Asn Gln Asn Lys Gly Gln Tyr Arg Lys Tyr His Gly Val Tyr Asn Lys
1 5 10 15

Leu Asn Phe Trp Leu Pro Ile Gln Thr Gly Leu Asn Gly Met Phe Ile
20 25 30

Leu Asn Lys Glu Phe Ala Met Asp Lys Ile Tyr Leu Ala Tyr Cys Glu
35 40 45

Leu Glu Val Arg Pro Ala Val Thr Leu Val Phe Pro His Ser Met Glu
50 55 60

Glu Glu Glu Arg Lys Thr
65 70

<210> 5822
<211> 465
<212> PRT
<213> Homo sapiens

<400> 5822
Ala Gly Glu Lys Leu Leu Lys Asp Cys Val Leu Leu His Leu Pro Cys
1 5 10 15

Ala Arg Ser Pro Pro Val Ser His Ser Val Thr Met Val Gln Trp Lys
20 25 30

Arg Leu Cys Gln Leu His Tyr Leu Trp Ala Leu Gly Cys Tyr Met Leu
35 40 45

Leu Ala Thr Val Ala Leu Lys Leu Ser Phe Arg Leu Lys Cys Asp Ser
50 55 60

Asp His Leu Gly Leu Glu Ser Arg Glu Ser Gln Ser Gln Tyr Cys Arg
65 70 75 80

Asn Ile Leu Tyr Asn Phe Leu Lys Leu Pro Ala Lys Arg Ser Ile Asn
85 90 95

Cys Ser Gly Val Thr Arg Gly Asp Gln Glu Ala Val Leu Gln Ala Ile
100 105 110

Leu Asn Asn Leu Glu Val Lys Lys Lys Arg Glu Pro Phe Thr Asp Thr

```
        115                 120                 125

His Tyr Leu Ser Leu Thr Arg Asp Cys Glu His Phe Lys Ala Glu Arg
    130                 135                 140

Lys Phe Ile Gln Phe Pro Leu Ser Lys Glu Glu Val Glu Phe Pro Ile
145                 150                 155                 160

Ala Tyr Ser Met Val Ile His Glu Lys Ile Glu Asn Phe Glu Arg Leu
                165                 170                 175

Leu Arg Ala Val Tyr Ala Pro Gln Asn Ile Tyr Cys Val His Val Asp
            180                 185                 190

Glu Lys Ser Pro Glu Thr Phe Lys Glu Ala Val Lys Ala Ile Ile Ser
        195                 200                 205

Cys Phe Pro Asn Val Phe Ile Ala Ser Lys Leu Val Arg Val Val Tyr
    210                 215                 220

Ala Ser Trp Ser Arg Val Gln Ala Asp Leu Asn Cys Met Glu Asp Leu
225                 230                 235                 240

Leu Gln Ser Ser Val Pro Trp Lys Tyr Phe Leu Asn Thr Cys Gly Thr
                245                 250                 255

Asp Phe Pro Ile Lys Ser Asn Ala Glu Met Val Gln Ala Leu Lys Met
            260                 265                 270

Leu Asn Gly Arg Asn Ser Met Glu Ser Glu Val Pro Pro Lys His Lys
        275                 280                 285

Glu Thr Arg Trp Lys Tyr His Phe Glu Val Val Arg Asp Thr Leu His
    290                 295                 300

Leu Thr Asn Lys Lys Lys Asp Pro Pro Pro Tyr Asn Leu Thr Met Phe
305                 310                 315                 320

Thr Gly Asn Ala Tyr Ile Val Ala Ser Arg Asp Phe Val Gln His Val
                325                 330                 335

Leu Lys Asn Pro Lys Ser Gln Gln Leu Ile Glu Trp Val Lys Asp Thr
            340                 345                 350

Tyr Ser Pro Asp Glu His Leu Trp Ala Thr Leu Gln Arg Ala Arg Trp
        355                 360                 365

Met Pro Gly Ser Val Pro Asn His Pro Lys Tyr Asp Ile Ser Asp Met
    370                 375                 380

Thr Ser Ile Ala Arg Leu Val Lys Trp Gln Gly His Glu Gly Asp Ile
```

385 390 395 400

Asp Lys Gly Ala Pro Tyr Ala Pro Cys Ser Gly Ile His Gln Arg Ala
405 410 415

Ile Cys Val Tyr Gly Ala Gly Asp Leu Asn Trp Met Leu Gln Asn His
420 425 430

His Leu Leu Ala Asn Lys Phe Asp Pro Lys Val Asp Asp Asn Ala Leu
435 440 445

Gln Cys Leu Glu Glu Tyr Leu Arg Tyr Lys Ala Ile Tyr Gly Thr Glu
450 455 460

Leu
465

<210> 5823
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5823
His Gln Pro His Gly Ser Pro Glu Leu Cys Trp Lys Val Glu Thr Gly
1 5 10 15

Arg Glu Ala Ser His Gly Ser Xaa Glu Pro Asp Pro Thr Asn Gln Leu
20 25 30

Ile Phe Lys Arg Gln Asp Gly Gly Arg Asp His Ser Arg Glu Pro Cys
35 40 45

Ser Leu Phe Leu Pro Val Ala Lys Ser Gly Ala Arg Lys Ser Leu Ser
50 55 60

Val
65

<210> 5824
<211> 101
<212> PRT
<213> Homo sapiens

<400> 5824
Asp Leu Gly Leu Glu Gly Trp Gly Met Gly Arg Glu Gly His Ser Leu
1 5 10 15

Leu Leu His Glu Ser Asp Ile Ser Glu Thr Glu Gln Leu Pro Asp Ala
20 25 30

Trp Val Arg Asn Pro Arg Pro His Leu Leu Arg Thr Gly Ser Ser Glu
35 40 45

Ser Thr Leu Arg Glu Lys Gly Glu Asn Ile Thr Ser Val Asp Ser Pro
50 55 60

Ala Thr Thr Ala Leu Glu Glu Lys Ala Ala Ala Thr Ser Gln Arg Gly
65 70 75 80

Val Lys Asp Pro Cys Pro Arg Asn Arg Ala Ala Pro Pro Ala Leu Thr
85 90 95

Pro Leu Thr Phe Ser
100

<210> 5825
<211> 62
<212> PRT
<213> Homo sapiens

<400> 5825
His Val Ser Phe Ala Leu Leu Val Phe Tyr Val Ile Ser Phe Asn Cys
1 5 10 15

Leu Leu His Leu Thr Val Tyr Ile Ile Gln Gln Phe Thr Ser Leu Asn
20 25 30

Ser Arg Trp Lys Asn Arg Cys Gln Ser Met Lys Ile Phe Pro Ser Ile
35 40 45

Ser Lys Tyr Phe Ser Arg Ile Tyr Phe Ser Lys Gln Thr Ile
50 55 60

<210> 5826
<211> 152
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO__0122920A2 I >

<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5826
Val Leu Glu Leu Asp Gln Glu Glu Leu Gln Leu Gly Arg Gly Gly Ala
1 5 10 15

Pro Arg Arg Ala Arg Ala Ala Arg Arg Gly Val Leu Leu Leu Ala His
20 25 30

Arg Glu Pro Pro Pro Ala Arg Ala Glu Ala Pro Ser Arg Gln Ala Ala
35 40 45

Cys Leu Pro Pro Leu Ser Ile Ser Pro Glu Ser Gln Pro Gly Ala Pro
50 55 60

Gly Pro Leu Pro Leu Ser Gly Trp Arg Ser Ser Arg Pro Leu Pro Val
65 70 75 80

Ser Leu Leu Leu Ser Leu Gly Ser Gln Pro Pro Leu Ser Phe Ser Trp
85 90 95

Thr Gly Ser His Pro Leu Arg Ser Pro Ser Phe Ser Ser Gly Ser Leu
100 105 110

Pro Leu Pro Leu Ala His Lys Pro Arg Ser Pro Lys Leu Leu Ser His
115 120 125

Phe Pro Xaa Pro Lys Val Pro Ala Phe Leu Leu Pro Phe Leu Cys Thr
130 135 140

Ile Pro Ile Leu Pro Phe Leu Tyr
145 150

<210> 5827
<211> 86
<212> PRT
<213> Homo sapiens

<400> 5827
Pro Ile Glu Ile Glu Arg Cys Glu Pro Val Arg Ser Lys Leu Glu Glu
1 5 10 15

Val Gln Arg Lys Leu Gly Phe Ala Leu Ser Asp Ile Ser Val Val Ser
20 25 30

Asn Tyr Ser Ser Glu Trp Glu Leu Asp Pro Val Lys Asp Val Leu Ile
35 40 45

```
Leu Ser Ala Leu Arg Arg Met Leu Trp Ala Ala Asp Asp Phe Leu Glu
     50                  55                  60

Asp Leu Pro Phe Glu Gln Ile Gly Asn Leu Arg Glu Glu Ile Ile Asn
 65                  70                  75                  80

Cys Ala Gln Gly Lys Lys
                 85
```

<210> 5828
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5828

```
Ala Thr Val His Pro Ala Cys Gln Ile Phe Pro His Tyr Thr Pro Ser
  1               5                  10                  15

Val Ala Tyr Pro Trp Ser Pro Glu Ala His Pro Leu Ile Cys Gly Pro
             20                  25                  30

Pro Gly Leu Asp Lys Arg Leu Leu Pro Glu Thr Pro Gly Pro Cys Tyr
         35                  40                  45

Ser Asn Ser Gln Pro Val Trp Leu Cys Leu Xaa Pro Arg Gln Pro Leu
     50                  55                  60

Glu Pro His Pro Pro Gly Glu Gly Pro Ser Glu Trp Ser Ser Asp Thr
 65                  70                  75                  80

Ala Glu Gly Arg Pro Cys Pro Tyr Pro His Cys Gln Val Cys Arg Pro
                 85                  90                  95

Ser Leu Ala Gln Arg Arg Asn Ser Arg Ser Cys Val Asn Arg Leu Cys
            100                 105                 110

Glu Met Phe Arg Pro Ser Ser Asn Gln Glu Cys Ala Pro Asp Val Phe
        115                 120                 125

Gly Pro Tyr Leu Ala Gln Ser Pro Ala Pro Gly Lys Gly Lys Asp His
    130                 135                 140

Ser Lys His His Ser Phe Cys Arg Thr Ser
```

BNSDOCID: <WO_0122920A2_I_>

145 150

<210> 5829
<211> 53
<212> PRT
<213> Homo sapiens

<400> 5829
Ile Phe Phe Leu Ile Ala Leu Leu Val Lys Ser Glu Lys Lys Asn Gln
1 5 10 15

Arg Arg Phe Glu Thr Gly Ala Leu Cys Ala Arg Met Thr Lys Cys Thr
20 25 30

Ser Phe Arg Val Cys Met Leu Val Asn Ser Gln Ile Tyr Leu Tyr Phe
35 40 45

Phe Ala Ser Ile Glu
50

<210> 5830
<211> 75
<212> PRT
<213> Homo sapiens

<400> 5830
Lys Asn Phe Glu Ser Thr Tyr Asn Leu Glu Pro Pro Arg Ser Thr Phe
1 5 10 15

Glu Leu Ser Tyr Leu Ser Gly Gln Lys Gln Cys Gly Ser Cys Met Tyr
20 25 30

Leu Ile Asp Val Ser Cys Leu Pro Lys Met Tyr Thr Ile Arg Leu Cys
35 40 45

Pro Asp His Pro Gly His Met Phe Ser Gly Pro Pro Glu Val Ser Val
50 55 60

Ser Gly His Trp Ser Leu Arg Phe Gly Ser Glu
65 70 75

<210> 5831
<211> 356
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5831

```
Ala Leu Leu Ser Trp Glu Met Ser Ala Ala Cys Trp Glu Glu Pro Trp
  1               5                  10                  15

Gly Leu Pro Gly Gly Phe Ala Lys Xaa Val Leu Val Thr Gly Gly Ala
             20                  25                  30

Gly Phe Ile Ala Ser His Met Ile Val Ser Leu Val Glu Asp Tyr Pro
         35                  40                  45

Asn Tyr Met Ile Ile Asn Leu Asp Lys Leu Asp Tyr Cys Ala Ser Leu
     50                  55                  60

Lys Asn Leu Glu Thr Ile Ser Asn Lys Gln Asn Tyr Lys Phe Ile Gln
 65                  70                  75                  80

Gly Asp Ile Cys Asp Ser His Phe Val Lys Leu Leu Phe Glu Thr Glu
                 85                  90                  95

Lys Ile Asp Ile Val Leu His Phe Ala Ala Gln Thr His Val Asp Leu
            100                 105                 110

Ser Phe Val Arg Ala Phe Glu Phe Thr Tyr Val Asn Val Tyr Gly Thr
        115                 120                 125

His Val Leu Val Ser Ala Ala His Glu Ala Arg Val Glu Lys Phe Ile
    130                 135                 140

Tyr Val Ser Thr Asp Glu Val Tyr Gly Gly Ser Leu Asp Lys Glu Phe
145                 150                 155                 160

Asp Glu Ser Ser Pro Lys Gln Pro Thr Asn Pro Tyr Ala Ser Ser Lys
                165                 170                 175

Ala Ala Ala Glu Cys Phe Val Gln Ser Tyr Trp Glu Gln Tyr Lys Phe
            180                 185                 190

Pro Val Val Ile Thr Arg Ser Ser Asn Val Tyr Gly Pro His Gln Tyr
        195                 200                 205

Pro Glu Lys Val Ile Pro Lys Phe Ile Ser Leu Leu Gln His Asn Arg
    210                 215                 220

Lys Cys Cys Ile His Gly Ser Gly Leu Gln Thr Arg Asn Phe Leu Tyr
225                 230                 235                 240
```

BNSDOCID: <WO_ _ 0122920A2_I_ >

```
Ala Thr Asp Val Val Glu Ala Phe Leu Thr Val Leu Lys Lys Gly Lys
                245                 250                 255

Pro Gly Glu Ile Tyr Asn Ile Gly Thr Asn Phe Glu Met Ser Val Val
            260                 265                 270

Gln Leu Ala Lys Glu Leu Ile Gln Leu Ile Lys Glu Thr Asn Ser Glu
        275                 280                 285

Ser Glu Met Glu Asn Trp Val Asp Tyr Val Asn Asp Arg Pro Thr Asn
    290                 295                 300

Asp Met Arg Tyr Pro Met Lys Ser Glu Lys Ile His Gly Leu Gly Trp
305                 310                 315                 320

Arg Pro Lys Val Pro Trp Lys Glu Gly Ile Lys Lys Thr Ile Glu Trp
                325                 330                 335

Tyr Arg Glu Asn Phe His Asn Trp Lys Asn Val Glu Lys Ala Leu Glu
            340                 345                 350

Pro Phe Pro Val
        355
```

<210> 5832
<211> 52
<212> PRT
<213> Homo sapiens

<400> 5832

```
Ala Lys Thr Ser His Leu Glu Phe Gly Lys Ile Arg Ile Ser Gln Val
  1               5                  10                  15

Glu His Leu Leu Asn Ala Arg Ile Val Ser Met His Phe Lys Ser Ile
             20                  25                  30

Phe Asn Leu Tyr Tyr Ser Leu Ile Ile Gly Ile Met Thr Pro Glu Gln
         35                  40                  45

Arg Gln Leu Ser
     50
```

<210> 5833
<211> 55
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__0122920A2_I_>

<400> 5833
Thr Arg Met Pro Ser Lys Ala Ala Leu Met Glu Glu Ala Lys Leu Met
1 5 10 15

Ala Ser Leu Trp His Leu Ala Ala Met Ala Phe Ile Thr Tyr Val Leu
20 25 30

Leu Ala Gly Met Ala Leu Gly Ile Gln Lys Arg Ser Val Pro Ser Pro
35 40 45

Ser Leu Thr Leu Pro Ser Leu
50 55

<210> 5834
<211> 231
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

ENSDOCID: <WO 0122920A2 I >

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (152)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (159)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (189)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (195)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (198)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (202)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (203)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (217)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (219)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5834

```
Xaa Cys Xaa Ala Xaa Ala Pro Ser Val Pro Ala Trp Gln Val Leu His
 1               5                  10                  15

Xaa His Asn Xaa Xaa Arg Leu Val Glu Phe Ser Ala Phe Leu Glu Gln
            20                  25                  30

Gln Arg Asp Pro Asp Ser Tyr Asn Lys His Leu Phe Val His Ile Gly
        35                  40                  45

His Ala Asn His Ser Tyr Ser Asp Pro Leu Leu Glu Ser Val Asp Ile
    50                  55                  60

Arg Gln Ile Tyr Asp Lys Phe Pro Glu Lys Lys Gly Gly Leu Lys Glu
65                  70                  75                  80

Leu Phe Gly Lys Gly Pro Gln Asn Ala Xaa Phe Leu Val Lys Phe Trp
                85                  90                  95

Ala Asp Leu Asn Cys Asn Ile Gln Asp Asp Ala Gly Ala Phe Tyr Gly
            100                 105                 110

Val Thr Ser Gln Tyr Glu Ser Ser Glu Asn Met Thr Val Thr Cys Ser
        115                 120                 125

Thr Lys Val Cys Ser Phe Gly Lys Gln Val Val Xaa Lys Val Glu Thr
    130                 135                 140

Glu Tyr Ala Arg Phe Glu Asn Xaa Arg Phe Val Tyr Arg Ile Xaa Arg
145                 150                 155                 160

Ser Pro Met Cys Glu Tyr Met Ile Asn Phe Ile His Lys Leu Lys His
                165                 170                 175

Leu Pro Glu Lys Tyr Met Met Asn Ser Val Leu Glu Xaa Phe Thr Ile
            180                 185                 190

Leu Leu Xaa Val Thr Xaa Arg Asp Thr Xaa Xaa Thr Leu Leu Cys Met
        195                 200                 205

Ala Cys Val Phe Glu Val Ser Asn Xaa Glu Xaa Gly Ala Gln His His
    210                 215                 220

Ile Tyr Arg Leu Val Lys Asp
225                 230
```

<210> 5835
<211> 57
<212> PRT
<213> Homo sapiens

<400> 5835
Ala Asp Leu Arg Glu Gln Arg Gly Leu Arg Gln Ala Thr Asp His Gln
1 5 10 15

Glu Leu Val Glu Ile Pro Thr Arg Pro Leu Leu Thr Lys Leu Ser Leu
20 25 30

Ile Thr Ala Pro Arg Arg Gly Glu Arg Ala Pro Val Pro Leu Arg Ala
35 40 45

Gly Gly His Ser Thr Gly Asp Thr Ala
50 55

<210> 5836
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5836
Ile Ala His Tyr Phe Leu Tyr Arg Tyr Leu Lys Lys Thr Val Tyr Gly
1 5 10 15

Leu His Phe Phe Xaa Cys His Ile Gly Leu Met Leu Leu Ser Asn Gly
20 25 30

Gly Ala Arg Ser His His Ser Leu Ser Pro Gln Ile Asp Phe Val Pro
35 40 45

Pro Ser Asn Lys Leu Ser Lys Ser
50 55

<210> 5837
<211> 555
<212> PRT
<213> Homo sapiens

<400> 5837

```
Gln Tyr Arg Ser Glu Phe Pro Gly Arg Pro Thr Arg Pro Ala Val Thr
  1               5                  10                  15

Ala Thr Ala Ala Ser Asp Arg Met Glu Ser Asp Ser Asp Ser Asp Lys
             20                  25                  30

Ser Ser Asp Asn Ser Gly Leu Lys Arg Lys Thr Pro Ala Leu Lys Met
         35                  40                  45

Ser Val Ser Lys Arg Ala Arg Lys Ala Ser Ser Asp Leu Asp Gln Ala
     50                  55                  60

Ser Val Ser Pro Ser Glu Glu Glu Asn Ser Glu Ser Ser Ser Glu Ser
 65                  70                  75                  80

Glu Lys Thr Ser Asp Gln Asp Phe Thr Pro Glu Lys Lys Ala Ala Val
                 85                  90                  95

Arg Ala Pro Arg Arg Gly Pro Leu Gly Gly Arg Lys Lys Lys Lys Ala
            100                 105                 110

Pro Ser Ala Ser Asp Ser Asp Ser Lys Ala Asp Ser Asp Gly Ala Lys
        115                 120                 125

Pro Glu Pro Val Ala Met Ala Arg Ser Ala Ser Ser Ser Ser Ser Ser
    130                 135                 140

Ser Ser Ser Ser Asp Ser Asp Val Ser Val Lys Lys Pro Pro Arg Gly
145                 150                 155                 160

Arg Lys Pro Ala Glu Lys Pro Leu Pro Lys Pro Arg Gly Arg Lys Pro
                165                 170                 175

Lys Pro Glu Arg Pro Pro Ser Ser Ser Ser Ser Asp Ser Asp Ser Asp
            180                 185                 190

Glu Val Asp Arg Ile Ser Glu Trp Lys Arg Arg Asp Glu Ala Arg Arg
        195                 200                 205

Arg Glu Leu Glu Ala Arg Arg Arg Arg Glu Gln Glu Glu Glu Leu Arg
    210                 215                 220

Arg Leu Arg Glu Gln Glu Lys Glu Glu Lys Glu Arg Arg Arg Glu Arg
225                 230                 235                 240

Ala Asp Arg Gly Glu Ala Glu Arg Gly Ser Gly Gly Ser Ser Gly Asp
                245                 250                 255

Glu Leu Arg Glu Asp Asp Glu Pro Val Lys Lys Arg Gly Arg Lys Gly
            260                 265                 270
```

BNSDOCID: <WO__ 0122920A2_I_>

```
Arg Gly Arg Gly Pro Pro Ser Ser Ser Asp Ser Glu Pro Glu Ala Glu
        275                 280                 285

Leu Glu Arg Glu Ala Lys Lys Ser Ala Lys Lys Pro Gln Ser Ser Ser
    290                 295                 300

Thr Glu Pro Ala Arg Lys Pro Gly Gln Lys Glu Lys Arg Val Arg Pro
305                 310                 315                 320

Glu Glu Lys Gln Gln Ala Lys Pro Val Lys Val Glu Arg Thr Arg Lys
                325                 330                 335

Arg Ser Glu Gly Phe Ser Met Asp Arg Lys Val Glu Lys Lys Lys Glu
            340                 345                 350

Pro Ser Val Glu Glu Lys Leu Gln Lys Leu His Ser Glu Ile Lys Phe
        355                 360                 365

Ala Leu Lys Val Asp Ser Pro Asp Val Lys Arg Cys Leu Asn Ala Leu
    370                 375                 380

Glu Glu Leu Gly Thr Leu Gln Val Thr Ser Gln Ile Leu Gln Lys Asn
385                 390                 395                 400

Thr Asp Val Val Ala Thr Leu Lys Lys Ile Arg Arg Tyr Lys Ala Asn
                405                 410                 415

Lys Asp Val Met Glu Lys Ala Ala Glu Val Tyr Thr Arg Leu Lys Ser
            420                 425                 430

Arg Val Leu Gly Pro Lys Ile Glu Ala Val Gln Lys Val Asn Lys Ala
        435                 440                 445

Gly Met Glu Lys Glu Lys Ala Glu Glu Lys Leu Ala Gly Glu Glu Leu
    450                 455                 460

Ala Gly Glu Glu Ala Pro Gln Glu Lys Ala Glu Asp Lys Pro Ser Thr
465                 470                 475                 480

Asp Leu Ser Ala Pro Val Asn Gly Glu Ala Thr Ser Gln Lys Gly Glu
                485                 490                 495

Ser Ala Glu Asp Lys Glu His Glu Glu Gly Arg Asp Ser Glu Glu Gly
            500                 505                 510

Pro Arg Cys Gly Ser Ser Glu Asp Leu His Asp Ser Val Arg Glu Gly
        515                 520                 525

Pro Asp Leu Asp Arg Pro Gly Ser Asp Arg Gln Glu Arg Glu Arg Ala
    530                 535                 540
```

BNSDOCID: <WO__0122920A2 I >

```
Arg Gly Asp Ser Glu Ala Leu Asp Glu Glu Ser
545                 550                 555



<210> 5838
<211> 227
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (208)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5838
Gln His Pro Gln Pro Ala Asp Ser Arg Gln Thr Gly Ser Ser Lys Ala
  1               5                  10                  15

Leu Ala Gln Thr Leu Pro Pro Pro Thr Xaa Ala Gly Glu Ser Asn Ser
             20                  25                  30

Val Thr Cys Asn Cys Gly Gln Glu Ala Val Leu Leu Thr Val Arg Lys
         35                  40                  45

Glu Gly Pro Asn Arg Gly Arg Gln Phe Phe Lys Cys Asn Gly Gly Ser
     50                  55                  60

Cys Asn Phe Phe Leu Trp Ala Asp Ser Pro Asn Pro Gly Ala Gly Gly
 65                  70                  75                  80

Pro Pro Ala Leu Ala Tyr Arg Pro Leu Gly Ala Ser Leu Gly Cys Pro
                 85                  90                  95

Pro Gly Pro Gly Ile His Leu Gly Gly Phe Gly Asn Pro Gly Asp Gly
            100                 105                 110

Ser Gly Ser Gly Thr Ser Cys Leu Cys Ser Gln Pro Ser Val Thr Arg
        115                 120                 125

Thr Val Gln Lys Asp Gly Pro Asn Lys Gly Arg Gln Phe His Thr Cys
    130                 135                 140

Ala Lys Pro Arg Glu Gln Gln Cys Gly Phe Phe Gln Trp Val Asp Glu
145                 150                 155                 160
```

```
Asn Thr Ala Pro Gly Thr Ser Gly Ala Pro Ser Trp Thr Gly Asp Arg
                165                 170                 175

Gly Arg Thr Leu Glu Ser Glu Ala Arg Ser Lys Arg Pro Arg Ala Gly
            180                 185                 190

Ser Ser Asp Met Gly Ser Thr Ala Lys Lys Pro Arg Lys Cys Ser Xaa
        195                 200                 205

Cys His Gln Pro Gly Thr His Pro Ser Leu Leu Ser Ser Glu Gln Met
    210                 215                 220

Ser Ser Gly
225
```

<210> 5839
<211> 254
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5839

```
Gly Arg Ser Arg Val Ser Ser Arg Lys Arg His Pro Ala Gly Pro Pro
  1               5                  10                  15

Gly Glu Ala Gln Glu Gly Ser Ala Lys Ala Glu Arg Pro Gly Leu Gln
             20                  25                  30

Asn Met Glu Leu Ala Pro Val Gln Arg Lys Ile Glu Ala Arg Ser Ala
         35                  40                  45

Glu Asp Ser Phe Thr Gly Phe Val Arg Thr Leu Tyr Phe Ala Asp Thr
     50                  55                  60

Tyr Leu Lys Asp Ser Ser Arg His Cys Pro Ser Leu Trp Ala Gly Thr
 65                  70                  75                  80

Asn Gly Gly Thr Ile Tyr Ala Phe Ser Leu Arg Val Pro Pro Ala Glu
                 85                  90                  95

Arg Arg Met Asp Glu Pro Val Arg Ala Glu Gln Ala Lys Glu Ile Gln
            100                 105                 110

Leu Met His Arg Ala Pro Val Val Gly Ile Leu Val Leu Asp Gly His
```

```
        115                 120                 125

Ser Val Pro Leu Pro Glu Pro Leu Glu Val Ala His Asp Leu Ser Lys
    130                 135                 140

Ser Pro Asp Met Gln Gly Ser His Gln Leu Leu Val Val Ser Glu Glu
145                 150                 155                 160

Gln Phe Lys Val Phe Thr Leu Pro Lys Val Ser Xaa Lys Leu Lys Leu
                165                 170                 175

Lys Leu Thr Ala Leu Glu Gly Ser Arg Val Arg Arg Val Ser Val Ala
            180                 185                 190

His Phe Gly Ser Arg Arg Ala Glu Asp Tyr Gly Glu His His Leu Ala
        195                 200                 205

Val Leu Thr Asn Leu Gly Asp Ile Gln Val Val Ser Leu Pro Leu Leu
    210                 215                 220

Lys Pro Gln Val Arg Tyr Ser Cys Ile Arg Arg Glu Asp Val Met Ala
225                 230                 235                 240

Ser Pro Pro Ala Ser Ser Pro Asn Met Ala Lys Ala Ser Thr
                245                 250
```

<210> 5840
<211> 88
<212> PRT
<213> Homo sapiens

<400> 5840

```
Gln Pro Ile His Thr Arg Pro Gly Leu Phe Ile Tyr Thr Ala Ala His
  1               5                  10                  15

Ser Ser Leu Gln Leu His Met Leu Tyr Leu Asp His Ser Glu Ala Asn
            20                  25                  30

Ser Glu His Tyr Ile Ile Leu Ser Ile Asn Ile Ser Asn Ile Leu Lys
        35                  40                  45

Tyr Thr Ile Gly Ile Gln Ala Ser Pro Ile Val Pro Gln Met Phe Gly
    50                  55                  60

Cys Phe Cys Ser Trp Ile Val Cys Ile Arg Ile Gln Ala Arg Pro Ile
65                  70                  75                  80

Tyr Cys Ile Tyr Leu Lys Cys Leu
                85
```

<210> 5841
<211> 98
<212> PRT
<213> Homo sapiens

<400> 5841
Ser Phe Thr Gly Gln Ser Arg Thr Lys Ile Val Tyr Ser Met Tyr Ser
1 5 10 15

Arg Lys Ala Ala Glu Glu Val Lys Arg Glu Leu Ile Lys Leu Lys Val
20 25 30

Asn Tyr Tyr Ile Leu Glu Glu Ser Trp Cys Val Arg Arg Ser Lys Pro
35 40 45

Gly Cys Ser Met Pro Glu Ile Trp Asp Val Glu Asp Pro Ala Asn Ala
50 55 60

Gly Lys Thr Pro Leu Cys Asn Leu Leu Val Lys Asp Ser Lys Pro His
65 70 75 80

Phe Thr Thr Val Phe Gln Asn Ser Val Tyr Lys Val Leu Glu Val Val
85 90 95

Lys Glu

<210> 5842
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5842
Arg Ala Glu Phe Gly Thr Xaa Ser Leu Gln Ala Pro Ser Arg Glu Glu
1 5 10 15

Ala Ala Lys Trp Ser Gln Val Arg Lys Asp Leu Cys Ser Leu Lys Val
20 25 30

Ser Leu Gln Leu Arg Gly Glu Asp Gly Ser Val Trp Asn Tyr Lys Pro
35 40 45

```
Pro Ala Asp Ser Gly Gly Lys Glu Ile Phe Ser Leu Leu Pro His Met
     50                  55                  60

Ala Asp Met Ser Thr Tyr Met Phe Lys Gly Ile Ile Ser Phe Ala Lys
 65                  70                  75                  80

Val Ile Ser Tyr Phe Arg Asp Leu Pro Ile Glu Asp Gln Ile Ser Cys
                 85                  90                  95
```

<210> 5843
<211> 158
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5843

```
Val Thr Ala Xaa Ser Gly Ile Leu Asp Val Thr Val Val Tyr Leu Asn
  1               5                  10                  15

Pro Glu Gln His Cys Cys Gln Glu Ser Ser Asp Glu Glu Ala Cys Pro
             20                  25                  30

Glu Asp Lys Gly Pro Gln Asp Pro Gln Ala Leu Ala Leu Asp Thr Gln
         35                  40                  45

Ile Pro Ala Thr Pro Gly Pro Lys Pro Leu Val Arg Thr Ser Arg Glu
     50                  55                  60

Pro Gly Lys Asp Val Thr Thr Ser Gly Tyr Ser Ser Val Ser Thr Ala
 65                  70                  75                  80

Ser Pro Thr Ser Ser Val Asp Gly Gly Leu Gly Ala Leu Pro Gln Pro
                 85                  90                  95

Thr Ser Val Leu Ser Leu Asp Ser Asp Ser His Thr Gln Pro Cys His
            100                 105                 110

His Gln Ala Arg Lys Ser Cys Leu Gln Cys Arg Pro Pro Ser Pro Pro
        115                 120                 125

Glu Ser Ser Val Pro Gln Gln Gln Val Lys Arg Ile Asn Leu Cys Ile
```

BNSDOCID: <WO__ 0122920A2_I_>

130 135 140

His Ser Glu Glu Glu Asp Met Asn Leu Gly Leu Val Arg Leu
145 150 155

<210> 5844
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5844
Gly Cys Leu Asn Asp Glu His Leu Glu Glu Leu Gly Gly Ile Leu Lys
1 5 10 15

Ala Lys Leu Glu Gly His Phe Lys Asn Gln Glu Leu Arg Gln Val Lys
20 25 30

Arg Gln Glu Glu Asn Tyr Asp Gln Gln Val Glu Met Ser Leu Xaa Asp
35 40 45

Glu Asp Glu Cys Asp Val Tyr Ile Leu Thr Lys Val Ser Asp Ile Xaa
50 55 60

His Ser Leu Phe Lys Tyr Leu
65 70

<210> 5845
<211> 137
<212> PRT
<213> Homo sapiens

<400> 5845
Arg Gly Gln His Gln Leu Glu Gly Gly Leu Gly Gly Phe Gln Gly Leu
1 5 10 15

His Gln Val Arg Arg Pro Cys Pro Glu Asp Trp Leu Leu Tyr Gly Arg
20 25 30

```
Lys Cys Tyr Phe Phe Ser Glu Glu Pro Arg Asp Trp Asn Thr Gly Arg
         35                  40                  45

Gln Tyr Cys His Thr His Glu Ala Val Leu Ala Val Ile Gln Ser Gln
     50                  55                  60

Lys Glu Leu Glu Phe Met Phe Lys Phe Thr Arg Arg Glu Pro Trp Ile
 65                  70                  75                  80

Gly Leu Arg Arg Val Gly Asp Glu Phe His Trp Val Asn Gly Asp Pro
                 85                  90                  95

Phe Asp Pro Asp Thr Phe Thr Ile Ala Gly Pro Gly Glu Cys Val Phe
            100                 105                 110

Val Glu Pro Thr Arg Leu Val Ser Thr Glu Cys Leu Met Thr Arg Pro
        115                 120                 125

Trp Val Cys Ser Lys Met Ala Tyr Thr
    130                 135
```

<210> 5846
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5846

```
Gly Ala Arg Pro Gly Ala Glu Gly Ala Arg Ala Phe Gly Gly Ser Ile
  1               5                  10                  15

Gly Leu Gln Ala Glu Glu Gln Gly Pro Cys His Leu Pro Gly Gly Arg
             20                  25                  30

Ser His Leu Cys Ser Gln Val Arg Gly Ser Ser Gly Gly Glu Thr Glu
         35                  40                  45

Cys Ala Ser Trp Glu Ala Pro Arg Ile Val Gly Gly Glu Leu Ala Ala
     50                  55                  60
```

Ser Leu Ala Cys Pro Leu Phe Pro Val Pro Pro Ser Arg Leu Ala Pro
65 70 75 80

Ala Pro Ala Trp Glu Asp Pro His Leu Arg Leu Gln Cys Leu Phe Pro
85 90 95

Leu Glu Ala Leu Pro Ser Ala Arg Gly Pro Arg Ile Leu Pro Trp Pro
100 105 110

Ser Glu His Arg Leu Gly Arg Pro Xaa Asn Ser Ser Val Lys Pro Gly
115 120 125

Ile Xaa
130

<210> 5847
<211> 140
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5847
Glu Phe Gly Arg Gly Glu Ile Ser Arg Gly Pro Asp Val His Leu Thr
1 5 10 15

His Gly Leu Glu Pro Lys Asp Val Asn Arg Glu Phe Arg Leu Thr Glu
20 25 30

Ser Ser Thr Cys Glu Pro Ser Thr Val Ala Ala Val Leu Ser Arg Ala
35 40 45

Gln Gly Cys Arg Ser Pro Ser Ala Pro Asp Val Arg Thr Gly Ser Phe
50 55 60

Ser His Ser Ala Thr Asp Gly Ser Val Gly Leu Ile Gly Val Pro Glu
65 70 75 80

Lys Lys Val Ala Glu Lys Gln Ala Ser Thr Glu Leu Glu Ala Ala Ser
85 90 95

```
Phe Pro Ala Xaa Met Tyr Ser Glu Pro Leu Arg Gln Phe Arg Asp Ser
            100                 105                 110

Ser Val Gly Asp Gln Asn Ala Gln Val Cys Gln Thr Asn Ser Arg Thr
        115                 120                 125

Xaa Cys Asn Asn Ser Gly Asp His Thr Pro Trp Ile
    130                 135                 140
```

<210> 5848
<211> 194
<212> PRT
<213> Homo sapiens

<400> 5848

```
Leu Leu Ser Asn Lys Met Asn Phe Val Leu Val Lys Val Arg Tyr Asp
  1               5                  10                  15

Val Val Gly Met Phe Trp Asn Met Phe Phe Gln Val Ala Ser Gly Gly
             20                  25                  30

Gly Gly Val Gly Asp Gly Val Gln Glu Pro Thr Thr Gly Asn Trp Arg
         35                  40                  45

Gly Met Leu Lys Thr Ser Lys Ala Glu Glu Leu Leu Ala Glu Glu Lys
     50                  55                  60

Ser Lys Pro Ile Pro Ile Met Pro Ala Ser Pro Gln Lys Gly His Ala
 65                  70                  75                  80

Val Asn Leu Leu Asp Val Pro Val Pro Val Ala Arg Lys Leu Ser Ala
                 85                  90                  95

Arg Glu Gln Arg Asp Cys Glu Val Ile Glu Arg Leu Ile Lys Ser Tyr
            100                 105                 110

Phe Leu Ile Val Arg Lys Asn Ile Gln Asp Ser Val Pro Lys Ala Val
        115                 120                 125

Met His Phe Leu Val Asn His Val Lys Asp Thr Leu Gln Ser Glu Leu
    130                 135                 140

Val Gly Gln Leu Tyr Lys Ser Ser Leu Leu Asp Asp Leu Leu Thr Glu
145                 150                 155                 160

Ser Glu Asp Met Ala Gln Arg Arg Lys Glu Ala Ala Asp Met Leu Lys
                165                 170                 175
```

BNSDOCID: <WO_0122920A2_I_>

```
Ala Leu Gln Gly Ala Ser Gln Ile Ile Ala Glu Ile Arg Glu Thr His
            180                 185                 190

Leu Trp
```

<210> 5849
<211> 75
<212> PRT
<213> Homo sapiens

<400> 5849

```
Leu Phe Lys Val Ser Asn Val His Pro Gly Leu Gly Ile Thr Asn Val
  1               5                  10                  15

Gly Val Lys Met Pro Thr Lys Gly Phe Ser Ala Leu Glu Val Leu Arg
             20                  25                  30

Ser Pro Ile Cys Ile Lys Ala Asp Pro Phe Cys Lys Asp Leu Ser Phe
         35                  40                  45

Arg Thr Phe Ser Val Leu Leu Val Arg Thr Leu Glu Val Ile Leu Ile
     50                  55                  60

Ile Ser Thr Asp Ser Leu Thr Ala Glu Ala Thr
 65                  70                  75
```

<210> 5850
<211> 241
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (199)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (226)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (229)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (230)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (231)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5850

```
Cys Xaa Phe Xaa Asn Ala Gly Val Lys Gln Ser Ala Leu Leu Gly Leu
  1               5                  10                  15

Lys Asp Leu Leu Ser Gln Tyr Pro Phe Ile Ile Asp Ala His Leu Ser
             20                  25                  30

Asn Ile Leu Ser Glu Val Thr Ala Val Phe Thr Asp Lys Asp Ala Asn
         35                  40                  45

Val Arg Leu Ala Ala Val Gln Leu Leu Gln Phe Leu Ala Pro Lys Ile
     50                  55                  60

Arg Ala Glu Gln Ile Ser Pro Phe Phe Pro Leu Val Ser Ala His Leu
 65                  70                  75                  80

Ser Ser Ala Met Thr His Ile Thr Glu Gly Ile Gln Glu Asp Ser Leu
                 85                  90                  95

Lys Val Leu Asp Ile Leu Leu Glu Gln Tyr Pro Ala Leu Ile Thr Gly
            100                 105                 110

Arg Ser Ser Ile Leu Leu Lys Asn Phe Val Glu Leu Ile Ser His Gln
        115                 120                 125

Gln Leu Ser Lys Gly Leu Ile Asn Arg Asp Arg Ser Gln Ser Trp Ile
    130                 135                 140

Leu Ser Val Asn Pro Asn Arg Arg Leu Thr Ser Gln Gln Trp Arg Leu
145                 150                 155                 160
```

BNSDOCID: <WO__0122920A2_I_>

Lys Val Leu Val Arg Leu Ser Lys Phe Leu Gln Ala Leu Ala Asp Gly
165 170 175

Ser Ser Arg Leu Arg Glu Ser Glu Gly Leu Gln Glu Gln Lys Glu Asn
180 185 190

Pro His Ala Thr Ser Asn Xaa Ile Phe Ile Asn Trp Lys Glu His Ala
195 200 205

Asn Asp Gln Gln His Ile Gln Gly Tyr Glu Asn Gly Gly Ser Gln Ala
210 215 220

Lys Xaa Gly Pro Xaa Xaa Xaa Thr Asp Leu Val Gly Gly Leu Met Gly
225 230 235 240

Gly

<210> 5851
<211> 260
<212> PRT
<213> Homo sapiens

<400> 5851
Asn Ser Arg Thr Asp Val Arg Met Glu Thr Asp Leu Glu Val Ile Ile
1 5 10 15

Lys Asp Asn Ser Leu Val Leu Thr Pro Ser His Ile Lys Ala Tyr Met
20 25 30

Leu Met Thr Leu Gln Gly Leu Glu Tyr Leu His Gln His Trp Ile Leu
35 40 45

His Arg Asp Leu Lys Pro Asn Asn Leu Leu Leu Asp Glu Asn Gly Val
50 55 60

Leu Lys Leu Ala Asp Phe Gly Leu Ala Lys Ser Phe Gly Ser Pro Asn
65 70 75 80

Arg Ala Tyr Thr His Gln Val Val Thr Arg Trp Tyr Arg Ala Pro Glu
85 90 95

Leu Leu Phe Gly Ala Arg Met Tyr Gly Val Gly Val Asp Met Trp Ala
100 105 110

Val Gly Cys Ile Leu Ala Glu Leu Leu Leu Arg Val Pro Phe Leu Pro
115 120 125

Gly Asp Ser Asp Leu Asp Gln Leu Thr Arg Ile Phe Glu Thr Leu Gly

130 135 140

Thr Pro Thr Glu Glu Gln Trp Pro Asp Met Cys Ser Leu Pro Asp Tyr
145 150 155 160

Val Thr Phe Lys Ser Phe Pro Gly Ile Pro Leu His His Ile Phe Ser
165 170 175

Ala Ala Gly Asp Asp Leu Leu Asp Leu Ile Gln Gly Leu Phe Leu Phe
180 185 190

Asn Pro Cys Ala Arg Ile Thr Ala Thr Gln Ala Leu Lys Met Lys Tyr
195 200 205

Phe Ser Asn Arg Pro Gly Pro Thr Pro Gly Cys Gln Leu Pro Arg Pro
210 215 220

Asn Cys Pro Val Glu Thr Leu Lys Glu Gln Ser Asn Pro Ala Leu Ala
225 230 235 240

Ile Lys Arg Lys Arg Thr Glu Ala Leu Glu Gln Gly Gly Leu Pro Lys
245 250 255

Lys Leu Ile Phe
260

<210> 5852
<211> 94
<212> PRT
<213> Homo sapiens

<400> 5852
Ser Ser Tyr Arg Ser Lys Ala Tyr Thr His Thr Lys Ile Thr Val Pro
1 5 10 15

Arg Glu Arg Val Cys Val Ser Val Arg Val Ser Val Cys Ala Arg Ala
20 25 30

Arg Ser Trp Pro Asn Val Arg Thr Leu His Lys Gly Gly Arg Ser Ser
35 40 45

Tyr Arg Leu Phe Asn Val Arg Glu Thr Ile Phe Leu Leu Phe Gln Leu
50 55 60

Tyr Gln Ile Leu Val Pro Gln His Arg Asn Asp Ser Glu Ser Gln Thr
65 70 75 80

Lys Cys Ile Ile Cys Ser Ile Leu Ile Leu Leu Leu His Ser
85 90

<210> 5853
<211> 89
<212> PRT
<213> Homo sapiens

<400> 5853
Cys Cys Leu Cys Gly Leu Trp Val Trp Thr Asn Pro Val Val Ala Cys
1 5 10 15

Pro Pro Glu Pro Pro Pro Ser Gln Gln Arg His Gln Gly Ala Leu Gly
20 25 30

Ser Pro Lys Thr Tyr His Ser Arg Val Pro Gln Ala Pro Gly Cys Cys
35 40 45

Phe Leu Leu Pro Val Pro Gln Pro His Ala Pro Phe Tyr Ile Leu Cys
50 55 60

Val Ser Lys Gly Trp Lys Asn Lys Thr Gln Leu Lys Ile Lys Lys Lys
65 70 75 80

Lys Lys Lys Lys Lys Lys Lys Lys Lys
85

<210> 5854
<211> 544
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (266)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (320)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (321)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (527)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (528)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (529)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5854

```
Leu Ser Trp Pro Val Val Ala Asn Gln Val Leu Lys Leu Gly Asn Leu
  1               5                  10                  15

Glu Phe Lys Pro Glu Ser Arg Val Asn Gly Leu Asp Glu Ser Lys Ile
             20                  25                  30

Lys Asp Lys Asn Glu Leu Lys Glu Ile Cys Glu Leu Thr Gly Ile Asp
         35                  40                  45

Gln Ser Val Leu Glu Arg Ala Phe Ser Phe Arg Thr Val Glu Ala Lys
     50                  55                  60

Gln Glu Lys Val Ser Thr Thr Leu Asn Val Ala Gln Ala Tyr Tyr Ala
 65                  70                  75                  80

Arg Asp Ala Leu Ala Lys Asn Leu Tyr Ser Arg Leu Phe Ser Trp Leu
                 85                  90                  95

Val Asn Arg Ile Asn Glu Ser Ile Lys Ala Gln Thr Lys Val Arg Lys
            100                 105                 110

Lys Val Met Gly Val Leu Asp Ile Tyr Gly Phe Glu Ile Phe Glu Asp
        115                 120                 125

Asn Ser Phe Glu Gln Phe Ile Ile Asn Tyr Cys Asn Glu Lys Leu Gln
    130                 135                 140

Gln Ile Phe Ile Glu Leu Thr Leu Lys Glu Glu Gln Glu Glu Tyr Ile
145                 150                 155                 160

Arg Glu Asp Ile Glu Trp Thr His Ile Asp Tyr Phe Asn Asn Ala Ile
                165                 170                 175

Ile Cys Asp Leu Ile Glu Asn Asn Thr Asn Gly Ile Leu Ala Met Leu
            180                 185                 190

Asp Glu Glu Cys Leu Arg Pro Gly Thr Val Thr Asp Glu Thr Phe Leu
```

195 200 205

Glu Lys Leu Asn Gln Val Cys Ala Thr His Gln His Phe Glu Ser Arg
210 215 220

Met Ser Lys Cys Ser Arg Phe Leu Asn Asp Thr Ser Leu Pro His Ser
225 230 235 240

Cys Phe Arg Ile Gln His Tyr Ala Gly Lys Val Leu Tyr Gln Val Glu
245 250 255

Gly Phe Val Asp Lys Asn Asn Asp Leu Xaa Tyr Arg Asp Leu Ser Gln
260 265 270

Ala Met Trp Lys Ala Ser His Ala Leu Ile Lys Ser Leu Phe Pro Glu
275 280 285

Gly Asn Pro Ala Lys Ile Asn Leu Lys Arg Pro Pro Thr Ala Gly Ser
290 295 300

Gln Phe Lys Ala Ser Val Ala Thr Leu Met Lys Asn Leu Gln Thr Xaa
305 310 315 320

Xaa Pro Asn Tyr Ile Arg Cys Ile Lys Pro Asn Asp Lys Lys Ala Ala
325 330 335

His Ile Phe Asn Glu Ala Leu Val Cys His Gln Ile Arg Tyr Leu Gly
340 345 350

Leu Leu Glu Asn Val Arg Val Arg Arg Ala Gly Tyr Ala Phe Arg Gln
355 360 365

Ala Tyr Glu Pro Cys Leu Glu Arg Tyr Lys Met Leu Cys Lys Gln Thr
370 375 380

Trp Pro His Trp Lys Gly Pro Ala Arg Ser Gly Val Glu Val Leu Phe
385 390 395 400

Asn Glu Leu Glu Ile Pro Val Glu Glu Tyr Ser Phe Gly Arg Ser Lys
405 410 415

Ile Phe Ile Arg Asn Pro Arg Thr Leu Phe Lys Leu Glu Asp Leu Arg
420 425 430

Lys Gln Arg Leu Glu Asp Leu Ala Thr Leu Ile Gln Lys Ile Tyr Arg
435 440 445

Gly Trp Lys Cys Arg Thr His Phe Leu Leu Met Lys Lys Ser Gln Ile
450 455 460

Val Ile Ala Ala Trp Tyr Arg Arg Tyr Ala Gln Gln Lys Arg Tyr Gln

BNSDOCID: <WO__0122920A2_I_>

```
465                 470                 475                 480

Gln Thr Lys Ser Ser Ala Leu Val Ile Gln Ser Tyr Ile Arg Gly Trp
                485                 490                 495

Lys Ala Arg Lys Ile Leu Arg Glu Leu Lys His Gln Lys Arg Cys Lys
            500                 505                 510

Glu Ala Val Thr Thr Ile Ala Ala Tyr Trp His Gly Thr Gln Xaa Xaa
        515                 520                 525

Xaa Lys Asn Gln Glu Ile Leu Gln Ser Gln Cys Trp Lys Arg Lys Ser
    530                 535                 540
```

<210> 5855
<211> 87
<212> PRT
<213> Homo sapiens

<400> 5855

```
Leu Cys Leu Leu Lys Arg Pro Ser Pro Ile Leu Phe Asn Pro Gly Ser
  1               5                  10                  15

Pro Ser Gly Gly Pro Thr Leu Gly Thr Thr Ser Pro Thr Asp Gly Pro
             20                  25                  30

Leu Ala Ser Ala Ile Leu Leu Ala Ala Ile Ser Trp Ala Lys Met Leu
         35                  40                  45

Leu Leu Pro Asp Val Ala Asp Phe Pro Cys Gly Ala Lys Arg Lys Pro
     50                  55                  60

Arg Leu Leu Met Leu Ile Ile Pro Leu Ser Ser Gln Pro Leu Tyr Ile
 65                  70                  75                  80

Lys Ala Ser Gly Thr Lys Arg
                85
```

<210> 5856
<211> 600
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (270)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5856

```
Arg Thr Arg Gly Lys Gln Ala Ala Asn Asn Ser Leu Leu Leu His Leu
 1               5                  10                  15

Leu Lys Ser Gln Thr Ile Pro Lys Pro Met Asn Gly His Ser His Ser
            20                  25                  30

Glu Arg Gly Ser Ile Phe Glu Glu Ser Ser Thr Pro Xaa Thr Ile Xaa
        35                  40                  45

Glu Tyr Ser Xaa Asn Asn Pro Ser Phe Thr Asp Asp Ser Ser Gly Asp
    50                  55                  60
```

```
Glu Ser Ser Tyr Ser Asn Cys Val Pro Ile Asp Leu Ser Cys Lys His
 65                  70                  75                  80

Xaa Thr Glu Lys Ser Glu Ser Asp Gln Pro Val Ser Leu Asp Asn Phe
                85                  90                  95

Thr Gln Ser Leu Leu Asn Thr Trp Asp Pro Lys Val Pro Asp Val Asp
            100                 105                 110

Ile Lys Glu Asp Gln Asp Thr Xaa Lys Asn Ser Lys Leu Asn Ser His
        115                 120                 125

Gln Lys Val Thr Leu Leu Gln Leu Xaa Leu Gly His Lys Asn Glu Glu
    130                 135                 140

Asn Val Glu Lys Asn Thr Ser Pro Gln Gly Val His Asn Asp Val Ser
145                 150                 155                 160

Lys Phe Asn Thr Gln Asn Xaa Ala Arg Thr Ser Val Ile Glu Ser Pro
                165                 170                 175

Ser Thr Asn Arg Thr Thr Pro Val Ser Thr Pro Pro Leu Leu Thr Ser
            180                 185                 190

Ser Lys Ala Gly Ser Pro Ile Asn Leu Ser Gln His Ser Leu Val Ile
        195                 200                 205

Lys Trp Asn Ser Pro Pro Tyr Val Cys Ser Thr Gln Ser Glu Lys Leu
    210                 215                 220

Thr Asn Thr Ala Ser Asn His Ser Met Asp Leu Thr Lys Ser Lys Asp
225                 230                 235                 240

Pro Pro Gly Glu Lys Pro Ala Gln Asn Glu Gly Ala Gln Asn Ser Ala
                245                 250                 255

Thr Phe Ser Ala Ser Lys Leu Leu Gln Asn Leu Ala Gln Xaa Gly Met
            260                 265                 270

Gln Ser Ser Met Ser Val Glu Glu Gln Arg Pro Ser Lys Gln Leu Leu
        275                 280                 285

Thr Gly Asn Thr Asp Lys Pro Ile Gly Met Ile Asp Arg Leu Asn Ser
    290                 295                 300

Pro Leu Leu Ser Asn Lys Thr Asn Ala Val Glu Glu Asn Lys Ala Phe
305                 310                 315                 320

Ser Ser Gln Pro Thr Gly Pro Glu Pro Gly Leu Ser Gly Ser Glu Ile
                325                 330                 335
```

BNSDOCID: <WO_ _ 0122920A2_I_>

```
Glu Asn Leu Leu Glu Arg Arg Thr Val Leu Gln Leu Leu Leu Gly Asn
            340                 345                 350

Pro Asn Lys Gly Lys Ser Glu Lys Lys Glu Lys Thr Pro Leu Arg Asp
        355                 360                 365

Glu Ser Thr Gln Glu His Ser Glu Arg Ala Leu Ser Glu Gln Ile Leu
    370                 375                 380

Met Val Lys Ile Lys Ser Glu Pro Cys Asp Asp Leu Gln Ile Pro Asn
385                 390                 395                 400

Thr Asn Val His Leu Ser His Asp Ala Lys Ser Ala Pro Phe Leu Gly
                405                 410                 415

Met Ala Pro Ala Val Gln Arg Ser Ala Pro Ala Leu Pro Val Ser Glu
            420                 425                 430

Asp Phe Lys Ser Glu Pro Val Ser Pro Gln Asp Phe Ser Phe Ser Lys
        435                 440                 445

Asn Gly Leu Leu Ser Arg Leu Leu Arg Gln Asn Gln Asp Ser Tyr Leu
    450                 455                 460

Ala Asp Asp Ser Asp Arg Ser His Arg Asn Asn Glu Met Ala Leu Leu
465                 470                 475                 480

Glu Ser Lys Asn Leu Cys Met Val Pro Lys Lys Arg Lys Leu Tyr Thr
                485                 490                 495

Glu Pro Leu Glu Asn Pro Phe Lys Lys Met Lys Asn Asn Ile Val Asp
            500                 505                 510

Ala Ala Asn Asn His Ser Ala Pro Glu Val Leu Tyr Gly Ser Leu Leu
        515                 520                 525

Asn Gln Glu Glu Leu Lys Phe Ser Arg Asn Asp Leu Glu Phe Lys Tyr
    530                 535                 540

Pro Ala Gly His Gly Ser Ala Ser Glu Ser Glu His Arg Ser Trp Ala
545                 550                 555                 560

Arg Glu Ser Lys Ser Phe Asn Val Leu Lys Gln Leu Leu Leu Ser Glu
                565                 570                 575

Asn Cys Val Arg Asp Leu Ser Pro His Arg Ser Asn Ser Val Ala Asp
            580                 585                 590

Ser Lys Lys Glu Arg Thr Gln Lys
        595                 600
```

<210> 5857
<211> 308
<212> PRT
<213> Homo sapiens

<400> 5857

```
Gln Tyr Gly Arg Ile Pro Gly Ser Thr His Ala Ser Ala Glu Pro Leu
  1               5                  10                  15

Glu Asn Pro Phe Lys Lys Met Lys Asn Asn Ile Val Asp Ala Ala Asn
             20                  25                  30

Asn His Ser Ala Pro Glu Val Leu Tyr Gly Ser Leu Leu Asn Gln Glu
         35                  40                  45

Glu Leu Lys Phe Ser Arg Asn Asp Leu Glu Phe Lys Tyr Pro Ala Gly
     50                  55                  60

His Gly Ser Ala Ser Glu Ser Glu His Arg Ser Trp Ala Arg Glu Ser
 65                  70                  75                  80

Lys Ser Phe Asn Val Leu Lys Gln Leu Leu Leu Ser Glu Asn Cys Val
                 85                  90                  95

Arg Asp Leu Ser Pro His Arg Ser Asn Ser Val Ala Asp Ser Lys Lys
            100                 105                 110

Lys Gly His Lys Asn Asn Val Thr Asn Ser Lys Pro Glu Phe Ser Ile
        115                 120                 125

Ser Ser Leu Asn Gly Leu Met Tyr Ser Ser Thr Gln Pro Ser Ser Cys
    130                 135                 140

Met Asp Asn Arg Thr Phe Ser Tyr Pro Gly Val Val Lys Thr Pro Val
145                 150                 155                 160

Ser Pro Thr Phe Pro Glu His Leu Gly Cys Ala Gly Ser Arg Pro Glu
                165                 170                 175

Ser Gly Leu Leu Asn Gly Cys Ser Met Pro Ser Glu Lys Gly Pro Ile
            180                 185                 190

Lys Trp Val Ile Thr Asp Ala Glu Lys Asn Glu Tyr Glu Lys Asp Ser
        195                 200                 205

Pro Arg Leu Thr Lys Thr Asn Pro Ile Leu Tyr Tyr Met Leu Gln Lys
    210                 215                 220
```

```
Gly Gly Asn Ser Val Thr Ser Arg Glu Thr Gln Asp Lys Asp Ile Trp
225                 230                 235                 240

Arg Glu Ala Ser Ser Ala Glu Ser Val Ser Gln Val Thr Ala Lys Glu
                245                 250                 255

Glu Leu Leu Pro Thr Ala Glu Thr Lys Ala Ser Phe Phe Asn Leu Arg
            260                 265                 270

Ser Pro Tyr Asn Ser His Met Gly Asn Asn Ala Ser Arg Pro His Ser
        275                 280                 285

Ala Asn Gly Glu Val Tyr Gly Leu Leu Gly Ser Val Leu Thr Ile Lys
    290                 295                 300

Lys Glu Ser Glu
305
```

<210> 5858
<211> 553
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (375)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (438)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (549)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5858

```
Thr Leu Glu Ala Glu Lys Glu Arg Arg Lys Ser Gly Leu Ser Ser Arg
 1               5                  10                  15

Val Gln Phe Arg Asn Gln Gly Ser Glu Pro Lys Tyr Thr Gln Glu Leu
            20                  25                  30

Thr Leu Lys Arg Gln Lys Gln Lys Val Cys Met Glu Glu Thr Leu Trp
        35                  40                  45

Leu Gln Asp Asn Ile Arg Asp Lys Leu Arg Pro Ile Pro Ile Thr Ala
    50                  55                  60

Ser Val Glu Ile Gln Glu Pro Ser Ser Arg Arg Arg Val Asn Ser Leu
65                  70                  75                  80

Pro Glu Val Leu Pro Ile Leu Asn Ser Asp Glu Pro Lys Thr Ala His
                85                  90                  95

Ile Asp Val His Phe Leu Lys Glu Gly Cys Gly Asp Asp Asn Val Cys
            100                 105                 110

Asn Ser Asn Leu Lys Leu Glu Tyr Lys Phe Cys Thr Arg Glu Gly Asn
        115                 120                 125

Xaa Asp Lys Phe Xaa Tyr Leu Pro Ile Gln Lys Gly Val Pro Glu Leu
    130                 135                 140

Val Leu Lys Asp Gln Lys Asp Ile Ala Leu Glu Ile Thr Val Thr Asn
145                 150                 155                 160

Ser Pro Ser Asn Pro Arg Asn Pro Thr Lys Asp Gly Asp Asp Ala His
                165                 170                 175

Glu Ala Lys Leu Ile Ala Thr Phe Pro Asp Thr Leu Thr Tyr Ser Ala
            180                 185                 190

Tyr Arg Glu Leu Arg Ala Phe Pro Glu Lys Gln Leu Ser Cys Val Ala
        195                 200                 205

Asn Gln Asn Gly Ser Gln Ala Asp Cys Glu Leu Gly Asn Pro Phe Lys
    210                 215                 220

Arg Asn Ser Asn Val Thr Phe Tyr Leu Val Leu Ser Thr Thr Glu Val
225                 230                 235                 240

Thr Phe Asp Thr Pro Asp Leu Asp Ile Asn Leu Lys Leu Glu Thr Thr
                245                 250                 255

Ser Asn Gln Asp Asn Leu Ala Pro Ile Thr Ala Lys Ala Lys Val Val
            260                 265                 270
```

BNSDOCID: <WO 0122920A2 I >

Ile Glu Leu Leu Leu Ser Val Ser Gly Val Ala Lys Pro Ser Gln Val
275 280 285

Tyr Phe Gly Gly Thr Val Val Gly Glu Gln Ala Met Lys Ser Glu Asp
290 295 300

Glu Val Gly Ser Leu Ile Glu Tyr Glu Phe Arg Val Ile Asn Leu Gly
305 310 315 320

Lys Pro Leu Thr Asn Leu Gly Thr Ala Thr Leu Asn Ile Gln Trp Pro
325 330 335

Lys Glu Ile Ser Asn Gly Lys Trp Leu Leu Tyr Leu Val Lys Val Glu
340 345 350

Ser Lys Gly Leu Glu Lys Val Thr Cys Glu Pro Gln Lys Glu Ile Asn
355 360 365

Ser Leu Asn Leu Thr Glu Xaa His Asn Ser Arg Lys Lys Arg Glu Ile
370 375 380

Thr Glu Lys Gln Ile Asp Asp Asn Arg Lys Phe Ser Leu Phe Ala Glu
385 390 395 400

Arg Lys Tyr Gln Thr Leu Asn Cys Ser Val Asn Val Asn Cys Val Asn
405 410 415

Ile Arg Cys Pro Leu Arg Gly Leu Asp Ser Lys Ala Ser Leu Ile Leu
420 425 430

Arg Ser Arg Leu Trp Xaa Ser Thr Phe Leu Glu Glu Tyr Ser Lys Leu
435 440 445

Asn Tyr Leu Asp Ile Leu Met Arg Ala Phe Ile Asp Val Thr Ala Ala
450 455 460

Ala Glu Asn Ile Arg Leu Pro Asn Ala Gly Thr Gln Val Arg Val Thr
465 470 475 480

Val Phe Pro Ser Lys Thr Val Ala Gln Tyr Ser Gly Val Pro Trp Trp
485 490 495

Ile Ile Leu Val Ala Ile Leu Ala Gly Ile Leu Met Leu Ala Leu Leu
500 505 510

Val Phe Ile Leu Trp Lys Cys Gly Phe Phe Lys Arg Asn Lys Lys Asp
515 520 525

His Tyr Asp Ala Thr Tyr His Lys Ala Glu Ile His Ala Gln Pro Ser
530 535 540

BNSDOCID: <WO _ 0122920A2 I >

Asp Lys Glu Arg Xaa Thr Ser Asp Ala
545 550

<210> 5859
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5859
Arg Thr Pro Glu Ser Trp Arg Leu Thr Pro Pro Ala Lys Val Gly Gly
1 5 10 15

Leu Asp Phe Ser Pro Val Gln Thr Ser Gln Gly Ala Ser Asp Pro Leu
20 25 30

Pro Asp Pro Leu Gly Leu Met Asp Leu Ser Thr Thr Pro Leu Gln Ser
35 40 45

Ala Pro Pro Leu Glu Ser Pro Gln Arg Leu Leu Ser Ser Glu Pro Leu
50 55 60

Asp Leu Ile Ser Val Pro Phe Gly Asn Ser Ser Pro Ser Asp Ile Asp
65 70 75 80

Val Pro Lys Pro Gly Ser Pro Glu Pro Gln Val Ser Gly Leu Ala Ala
85 90 95

Asn Arg Ser Leu Thr Glu Gly Leu Val Leu Gly His Asn Xaa
100 105 110

<210> 5860
<211> 198
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5860
Pro Xaa Arg Pro Arg Gly Ala Ala Ala Ala Ala Ala Ala Ala Gly Ala

5150

```
  1               5                  10                  15

Ala Met Pro Lys Gly Gly Arg Lys Gly Gly His Lys Gly Arg Ala Arg
            20                  25                  30

Gln Tyr Thr Ser Pro Glu Glu Ile Asp Ala Gln Leu Gln Ala Glu Lys
        35                  40                  45

Gln Lys Ala Arg Glu Glu Glu Glu Gln Lys Glu Gly Gly Asp Gly Ala
    50                  55                  60

Ala Gly Asp Pro Lys Lys Glu Lys Lys Ser Leu Asp Ser Asp Glu Ser
65                  70                  75                  80

Glu Asp Glu Glu Asp Asp Tyr Gln Gln Lys Arg Lys Gly Val Glu Gly
                85                  90                  95

Leu Ile Asp Ile Glu Asn Pro Asn Arg Val Ala Gln Thr Thr Lys Lys
            100                 105                 110

Val Thr Gln Leu Asp Leu Asp Gly Pro Lys Glu Leu Ser Arg Arg Glu
        115                 120                 125

Arg Glu Glu Ile Glu Lys Gln Lys Ala Lys Glu Arg Tyr Met Lys Met
    130                 135                 140

His Leu Ala Gly Lys Thr Glu Gln Ala Lys Ala Asp Leu Ala Arg Leu
145                 150                 155                 160

Ala Ile Ile Arg Lys Gln Arg Glu Glu Ala Ala Arg Lys Lys Glu Glu
                165                 170                 175

Glu Arg Lys Ala Lys Asp Asp Ala Thr Leu Ser Gly Lys Arg Met Gln
            180                 185                 190

Ser Leu Ser Leu Asn Lys
        195
```

<210> 5861
<211> 63
<212> PRT
<213> Homo sapiens

<400> 5861

```
Lys Asn Lys Thr Lys Ala Val Phe Pro Asn Phe Gly Met Asn Pro Pro
  1               5                  10                  15

Leu Phe Gln Met Lys Thr Ala Ser Arg Ser Ser Ser Lys Arg Lys Ser
            20                  25                  30
```

BNSDOCID: <WO__ 0122920A2 I >

```
Leu Gly Gly Ala Gln Arg Ala Arg Cys Pro Ser Thr Ser Val Leu Gly
         35                  40                  45

Thr Trp Arg Val Ala Ala Ser Pro Pro Ala Pro Val Pro Ser Cys
     50                  55                  60
```

<210> 5862
<211> 229
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (221)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5862

```
Ala Thr Lys Ile Asn Leu Ser Leu Ser Ala Leu Gly Asn Val Ile Ser
  1               5                  10                  15

Ala Leu Val Asp Gly Lys Ser Thr His Ile Pro Tyr Arg Asp Ser Lys
             20                  25                  30

Leu Thr Arg Leu Leu Gln Asp Ser Leu Gly Gly Asn Ala Lys Thr Val
         35                  40                  45

Met Val Ala Asn Val Gly Pro Ala Ser Tyr Asn Val Glu Glu Thr Leu
     50                  55                  60

Thr Thr Leu Arg Tyr Ala Asn Arg Ala Lys Asn Ile Lys Asn Lys Pro
 65                  70                  75                  80

Arg Val Asn Glu Asp Pro Lys Asp Ala Leu Leu Arg Glu Phe Gln Glu
                 85                  90                  95

Glu Ile Ala Arg Leu Lys Ala Gln Leu Glu Lys Arg Ser Ile Gly Arg
            100                 105                 110

Arg Lys Arg Arg Glu Lys Arg Arg Glu Gly Gly Gly Ser Gly Gly Gly
        115                 120                 125

Gly Glu Glu Glu Glu Glu Glu Gly Glu Glu Gly Glu Glu Glu Gly Asp
    130                 135                 140

Asp Lys Asp Asp Tyr Trp Arg Glu Gln Gln Glu Lys Leu Glu Ile Glu
145                 150                 155                 160

Lys Arg Ala Ile Val Glu Asp His Ser Leu Val Ala Glu Glu Lys Met
```

BNSDOCID: <WO___0122920A2_I_>

165 170 175

Arg Leu Leu Lys Glu Lys Glu Lys Lys Met Glu Asp Leu Arg Arg Glu
180 185 190

Lys Asp Ala Ala Glu Met Leu Gly Ala Lys Ile Lys Val Pro Tyr Pro
195 200 205

Tyr Pro Ser Leu Gly Pro Cys Pro Val Thr Ala Phe Xaa Phe Ile Lys
210 215 220

Gln Gln Gln Lys Thr
225

<210> 5863
<211> 298
<212> PRT
<213> Homo sapiens

<400> 5863
Cys Glu Arg Gly Ser Leu His Phe Thr Gly Val Thr Gly Gly Asn Leu
1 5 10 15

Arg Val Asn Gly Lys Glu Arg Ala Ser Gly Ile Tyr Phe Gly Ala Asn
20 25 30

Glu Ala Leu Leu Ala Val Lys Asp Tyr Ile Arg Thr Gln Ile Ile Ser
35 40 45

Lys Lys Ile Asn Thr Lys Phe Phe Gln Glu Glu Asn Thr Glu Lys Leu
50 55 60

Lys Leu Lys Tyr Tyr Asn Leu Met Ile Gln Leu Asp Gln His Glu Gly
65 70 75 80

Ser Tyr Leu Ser Ile Cys Lys His Tyr Arg Ala Ile Tyr Asp Thr Pro
85 90 95

Cys Ile Gln Ala Glu Ser Glu Lys Trp Gln Gln Ala Leu Lys Ser Val
100 105 110

Val Leu Tyr Val Ile Leu Ala Pro Phe Asp Asn Glu Gln Ser Asp Leu
115 120 125

Val His Arg Ile Ser Gly Asp Lys Lys Leu Glu Glu Ile Pro Lys Tyr
130 135 140

Lys Asp Leu Leu Lys Leu Phe Thr Thr Met Glu Leu Met Arg Trp Ser
145 150 155 160

```
Thr Leu Val Glu Asp Tyr Gly Met Glu Leu Arg Lys Gly Ser Leu Glu
                165                 170                 175

Ser Pro Ala Thr Asp Val Phe Gly Ser Thr Glu Glu Gly Glu Lys Arg
            180                 185                 190

Trp Lys Asp Leu Lys Asn Arg Val Val Glu His Asn Ile Arg Ile Met
        195                 200                 205

Ala Lys Tyr Tyr Thr Arg Ile Thr Met Lys Arg Met Ala Gln Leu Leu
    210                 215                 220

Asp Leu Ser Val Asp Glu Ser Glu Ala Phe Leu Ser Asn Leu Val Val
225                 230                 235                 240

Asn Lys Thr Ile Phe Ala Lys Val Asp Arg Leu Ala Gly Ile Ile Asn
                245                 250                 255

Phe Gln Arg Pro Lys Asp Pro Asn Asn Leu Leu Asn Asp Trp Ser Gln
            260                 265                 270

Lys Leu Asn Ser Leu Met Ser Leu Val Asn Lys Thr Thr His Leu Ile
        275                 280                 285

Ala Lys Glu Glu Met Ile His Asn Leu Gln
    290                 295
```

<210> 5864
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5864

```
Asn Ser Ala Glu Cys Asn Pro Arg Phe Xaa Asn Ala Thr Ile Val Cys
  1               5                  10                  15

Asn Ser Leu Asp Gly Ser Asn Trp Gly Gln Glu Gln Arg Glu Asp His
             20                  25                  30

Leu Cys Phe Ser Pro Gly Ser Glu Val Lys Val Arg Ser Lys Gly Glu
         35                  40                  45

Arg Ala Leu Gly Val Met Ser Arg Gly Gly Pro Arg Trp Lys Arg Ala
```

```
     50                  55                  60

Trp Pro Gly Thr Gln Trp Leu Ala Leu Phe Glu Pro Ser Gly Thr Ala
 65                  70                  75                  80

Leu Ala His Phe Gln Gly Leu Leu Pro Pro Leu Thr Pro Ser Leu Pro
                 85                  90                  95

Thr Val His Ser Asp Leu
            100
```

<210> 5865
<211> 345
<212> PRT
<213> Homo sapiens

<400> 5865

```
Leu Pro Val Arg Ala Glu Pro Thr Arg Ala Ala Ala Met Ser Gly Asp
  1               5                  10                  15

Glu Met Ile Phe Asp Pro Thr Met Ser Lys Lys Lys Lys Lys Lys Lys
             20                  25                  30

Lys Pro Phe Met Leu Asp Glu Glu Gly Asp Thr Gln Thr Glu Glu Thr
         35                  40                  45

Gln Pro Ser Glu Thr Lys Glu Val Glu Pro Glu Pro Thr Glu Asp Lys
     50                  55                  60

Asp Leu Glu Ala Asp Glu Glu Asp Thr Arg Lys Lys Asp Ala Ser Asp
 65                  70                  75                  80

Asp Leu Asp Asp Leu Asn Phe Phe Asn Gln Lys Lys Lys Lys Lys Lys
                 85                  90                  95

Thr Lys Lys Ile Phe Asp Ile Asp Glu Ala Glu Glu Gly Val Lys Asp
            100                 105                 110

Leu Lys Ile Glu Ser Asp Val Gln Glu Pro Thr Glu Pro Glu Asp Asp
        115                 120                 125

Leu Asp Ile Met Leu Gly Asn Lys Lys Lys Lys Lys Lys Asn Val Lys
    130                 135                 140

Phe Pro Asp Glu Asp Glu Ile Leu Glu Lys Asp Glu Ala Leu Glu Asp
145                 150                 155                 160

Glu Asp Asn Lys Lys Asp Asp Gly Ile Ser Phe Ser Asn Gln Thr Gly
                165                 170                 175
```

BNSDOCID: <WO_ . 0122920A2 I >

```
Pro Ala Trp Ala Gly Ser Glu Arg Asp Tyr Thr Tyr Glu Glu Leu Leu
            180                 185                 190

Asn Arg Val Phe Asn Ile Met Arg Glu Lys Asn Pro Asp Met Val Ala
        195                 200                 205

Gly Glu Lys Arg Lys Phe Val Met Lys Pro Pro Gln Val Val Arg Val
    210                 215                 220

Gly Thr Lys Lys Thr Ser Phe Val Asn Phe Thr Asp Ile Cys Lys Leu
225                 230                 235                 240

Leu His Arg Gln Pro Lys His Leu Leu Ala Phe Leu Leu Ala Glu Leu
                245                 250                 255

Gly Thr Ser Gly Ser Ile Asp Gly Asn Asn Gln Leu Val Ile Lys Gly
            260                 265                 270

Arg Phe Gln Gln Lys Gln Ile Glu Asn Val Leu Arg Arg Tyr Ile Lys
        275                 280                 285

Glu Tyr Val Thr Cys His Thr Cys Arg Ser Pro Asp Thr Ile Leu Gln
    290                 295                 300

Lys Asp Thr Arg Leu Tyr Phe Leu Gln Cys Glu Thr Cys His Ser Arg
305                 310                 315                 320

Cys Ser Val Ala Ser Ile Lys Thr Gly Phe Gln Ala Val Thr Gly Lys
                325                 330                 335

Arg Ala Gln Leu Arg Ala Lys Ala Asn
            340                 345
```

<210> 5866
<211> 194
<212> PRT
<213> Homo sapiens

<400> 5866

```
Arg Thr Ser Met Gly Ile Leu Tyr Ser Glu Pro Ile Cys Gln Ala Ala
  1               5                  10                  15

Tyr Gln Asn Asp Phe Gly Gln Val Trp Arg Trp Val Lys Glu Asp Ser
            20                  25                  30

Ser Tyr Ala Asn Val Gln Asp Gly Phe Asn Gly Asp Thr Pro Leu Ile
        35                  40                  45
```

BNSDOCID: <WO__ 0122920A2 I >

```
Cys Ala Cys Arg Arg Gly His Val Arg Ile Val Ser Phe Leu Leu Arg
     50                  55                  60

Arg Asn Ala Asn Val Asn Leu Lys Asn Gln Lys Glu Arg Thr Cys Leu
 65                  70                  75                  80

His Tyr Ala Val Lys Lys Lys Phe Thr Phe Ile Asp Tyr Leu Leu Ile
                 85                  90                  95

Ile Leu Leu Met Pro Val Leu Leu Ile Gly Tyr Phe Leu Met Val Ser
            100                 105                 110

Lys Thr Lys Gln Asn Glu Ala Leu Val Arg Met Leu Leu Asp Ala Gly
        115                 120                 125

Val Glu Val Asn Ala Thr Asp Cys Tyr Gly Cys Thr Ala Leu His Tyr
    130                 135                 140

Ala Cys Glu Met Lys Asn Gln Ser Leu Ile Pro Leu Leu Leu Glu Ala
145                 150                 155                 160

Arg Ala Asp Pro Thr Ile Lys Asn Lys His Gly Glu Ser Ser Leu Asp
                165                 170                 175

Ile Ala Arg Arg Leu Lys Phe Ser Gln Ile Glu Leu Met Leu Arg Lys
            180                 185                 190

Ala Leu
```

<210> 5867
<211> 469
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (436)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5867

```
Ser Ala Ser Phe Ser Arg Gly Xaa Gln Leu Ser Phe Thr Asp Leu Gly
  1               5                  10                  15

Leu Pro Pro Thr Asp His Leu Gln Ala Ser Phe Gly Phe Gln Thr Phe
             20                  25                  30

Gln Pro Ser Gly Ile Leu Leu Asp His Gln Thr Trp Thr Arg Xaa Leu
         35                  40                  45

Gln Val Thr Leu Glu Asp Gly Tyr Ile Glu Leu Ser Thr Ser Asp Ser
     50                  55                  60

Xaa Gly Pro Ile Phe Lys Ser Pro Gln Thr Tyr Met Asp Gly Leu Leu
 65                  70                  75                  80

His Tyr Val Ser Val Ile Ser Asp Asn Ser Gly Leu Arg Leu Leu Ile
                 85                  90                  95

Asp Asp Gln Leu Leu Arg Asn Ser Lys Arg Leu Lys His Ile Ser Ser
            100                 105                 110

Ser Arg Gln Ser Leu Arg Leu Gly Gly Ser Asn Phe Glu Gly Cys Ile
        115                 120                 125

Ser Asn Val Phe Val Gln Arg Leu Ser Leu Ser Pro Glu Val Leu Asp
    130                 135                 140

Leu Thr Ser Asn Ser Leu Lys Arg Asp Val Ser Leu Gly Gly Cys Ser
145                 150                 155                 160

Leu Asn Lys Pro Pro Phe Leu Met Leu Leu Lys Gly Ser Thr Arg Phe
                165                 170                 175

Asn Lys Thr Lys Thr Phe Arg Ile Asn Gln Leu Leu Gln Asp Thr Pro
            180                 185                 190

Val Ala Ser Pro Arg Ser Val Lys Val Trp Gln Asp Ala Cys Ser Pro
        195                 200                 205

Leu Pro Lys Thr Gln Ala Asn His Gly Ala Leu Gln Phe Gly Asp Ile
    210                 215                 220

Pro Thr Ser His Leu Leu Phe Lys Leu Pro Gln Glu Leu Leu Lys Pro
225                 230                 235                 240
```

```
Arg Ser Gln Phe Ala Val Asp Met Gln Thr Thr Ser Ser Arg Gly Leu
                245                 250                 255

Val Phe His Thr Gly Thr Lys Asn Ser Phe Met Ala Leu Tyr Leu Ser
            260                 265                 270

Lys Gly Arg Leu Val Phe Ala Leu Gly Thr Asp Gly Lys Lys Leu Arg
        275                 280                 285

Ile Lys Ser Lys Glu Lys Cys Asn Asp Gly Lys Trp His Thr Val Val
    290                 295                 300

Phe Gly His Asp Gly Glu Lys Gly Arg Leu Val Val Asp Gly Leu Arg
305                 310                 315                 320

Ala Arg Glu Gly Ser Leu Pro Gly Asn Ser Thr Ile Ser Ile Arg Ala
                325                 330                 335

Pro Val Tyr Leu Gly Ser Pro Pro Ser Gly Lys Pro Lys Ser Leu Pro
            340                 345                 350

Thr Asn Ser Phe Val Gly Cys Leu Lys Asn Phe Gln Leu Asp Ser Lys
        355                 360                 365

Pro Leu Tyr Thr Pro Ser Ser Ser Phe Gly Val Ser Ser Cys Leu Gly
    370                 375                 380

Gly Pro Leu Glu Lys Gly Ile Tyr Phe Ser Glu Glu Gly Gly His Val
385                 390                 395                 400

Val Leu Ala His Ser Val Leu Leu Gly Pro Glu Phe Lys Leu Val Phe
                405                 410                 415

Ser Ile Arg Pro Arg Ser Leu Thr Gly Ile Leu Ile His Ile Gly Ser
            420                 425                 430

Gln Pro Gly Xaa Ala Leu Met Cys Leu Pro Gly Gly Arg Lys Gly His
        435                 440                 445

Gly Leu Tyr Gly Gln Trp Gly Arg Trp Asp Leu Asn Val Gly His Thr
    450                 455                 460

Lys Ala Val Ser Val
465
```

<210> 5868
<211> 83
<212> PRT

BNSDOCID: <WO 0122920A2 I >

<213> Homo sapiens

<400> 5868

```
Phe Leu Ile Leu Ser Gly Glu Leu Leu Ala Arg Ile Ile Tyr Leu Gln
  1               5                  10                  15

Ile Ile Leu Asp Gln Arg Leu Gly Ala Gly Leu Thr Pro Ser Ser Arg
             20                  25                  30

Leu Gly Ala Ser Ile His Phe Leu Val Gly Leu Asn Ile Pro Pro Ala
         35                  40                  45

Phe Arg Arg Ile His Arg Thr Tyr Cys Ser Phe Gln Met Thr Phe Trp
     50                  55                  60

Lys Ile Val Pro Phe Ala Asn Arg Asn Met Pro Glu Gly Ile Phe Ser
 65                  70                  75                  80

Ser Phe Ile
```

<210> 5869
<211> 117
<212> PRT
<213> Homo sapiens

<400> 5869

```
Ser Cys Thr Arg His Gln Ser Leu Pro Gly Ser Cys Asp Glu Leu His
  1               5                  10                  15

Leu Ser Pro Phe Leu Pro Gln Pro Gln Thr Leu Ser Phe Lys Glu Gly
             20                  25                  30

Leu Pro Gly Ser Leu His Pro Thr Ala Pro Met Arg Leu Gly Pro Arg
         35                  40                  45

Val His Ser Pro Gly Gly Ser Gln Leu Ser Gly Arg Ser Phe Pro Pro
     50                  55                  60

Asn Ile Phe Gln Leu Leu Gly Gly Asp His Arg Ala Leu Leu Leu Lys
 65                  70                  75                  80

Ile Trp Leu Leu Gln Arg Pro Glu Ser Gln Glu Gly Leu Leu Pro Gly
                 85                  90                  95

Arg Leu Val Val Met Glu Arg Arg Val Lys Met Thr Ser Cys Pro Ser
             100                 105                 110

Cys Pro Arg Phe Cys
```

BNSDOCID: <WO 0122920A2 I_>

115

<210> 5870
<211> 170
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (149)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (155)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5870
Arg Thr Tyr Phe Pro Val Lys Met Pro Thr Thr Lys Lys Thr Leu Met
1 5 10 15

Phe Leu Ser Ser Phe Phe Thr Ser Leu Gly Ser Phe Ile Val Ile Cys
20 25 30

Ser Ile Leu Gly Thr Gln Ala Trp Ile Thr Ser Thr Ile Ala Xaa Arg
35 40 45

Asp Ser Ala Ser Asn Gly Ser Ile Phe Ile Thr Tyr Gly Leu Phe Arg
50 55 60

Gly Glu Ser Ser Glu Glu Leu Ser His Gly Leu Ala Glu Pro Lys Lys
65 70 75 80

Lys Phe Ala Val Leu Glu Ile Leu Asn Asn Ser Ser Gln Lys Asn Ser
85 90 95

Ala Phe Gly Asp Tyr Pro Val Pro Gly Pro Glu Phe Asp His Val Ala
100 105 110

Ala Glu Leu Trp Val Tyr Leu Leu Gln Gln His Gln Gln Pro Leu Pro
115 120 125

Asp Ile Pro Gly Ala Arg Arg Gly Cys Thr Pro Gly Thr Gly Ser Gly
130 135 140

BNSDOCID: <WO_ 0122920A2 I >

Ile Leu Arg Phe Xaa Thr Met Ile Leu Leu Xaa Arg Thr Arg Ser Pro
145 150 155 160

Thr Asn Phe Pro Lys Val Val Gln Met Leu
165 170

<210> 5871
<211> 173
<212> PRT
<213> Homo sapiens

<400> 5871
Arg Thr Tyr Phe Pro Val Lys Met Pro Thr Thr Lys Lys Thr Leu Met
1 5 10 15

Phe Leu Ser Ser Phe Phe Thr Ser Leu Gly Ser Phe Ile Val Ile Cys
20 25 30

Ser Ile Leu Gly Thr Gln Ala Trp Ile Thr Ser Thr Ile Ala Val Arg
35 40 45

Asp Ser Ala Ser Asn Gly Ser Ile Phe Ile Thr Tyr Gly Leu Phe Arg
50 55 60

Gly Glu Ser Ser Glu Glu Leu Ser His Gly Leu Ala Glu Pro Lys Lys
65 70 75 80

Lys Phe Ala Ala Ser Phe Val Phe Val Thr Met Ile Leu Phe Val Ala
85 90 95

Asn Thr Gln Ser Asn Gln Leu Ser Glu Glu Leu Phe Gln Met Leu Tyr
100 105 110

Pro Ala Thr Thr Ser Lys Gly Thr Thr His Ser Tyr Gly Tyr Ser Phe
115 120 125

Trp Leu Ile Leu Leu Val Ile Leu Leu Asn Ile Val Thr Val Thr Ile
130 135 140

Ile Ile Phe Tyr Gln Lys Ala Arg Tyr Gln Arg Lys Gln Glu Gln Arg
145 150 155 160

Lys Pro Met Glu Tyr Ala Pro Arg Asp Gly Ile Leu Phe
165 170

<210> 5872

<211> 132
<212> PRT
<213> Homo sapiens

<400> 5872
His Arg Asn Arg Pro Ser Gln Cys His Leu Leu Asn Leu Trp Arg Pro
1 5 10 15

Pro Asp Leu Glu Glu Pro Thr Lys Val Asp Lys Leu Gln Glu Pro Leu
20 25 30

Leu Glu Ala Leu Lys Ile Tyr Ile Arg Lys Arg Arg Pro Ser Lys Pro
35 40 45

His Met Phe Pro Lys Ile Leu Met Lys Ile Thr Asp Leu Arg Ser Ile
50 55 60

Ser Ala Lys Gly Ala Glu Arg Val Ile Thr Leu Lys Met Glu Ile Pro
65 70 75 80

Gly Ser Met Pro Pro Leu Ile Gln Glu Met Leu Glu Asn Ser Glu Gly
85 90 95

His Glu Pro Leu Thr Pro Ser Ser Ser Gly Asn Thr Ala Glu His Ser
100 105 110

Pro Ser Ile Ser Pro Ser Ser Val Glu Asn Ser Gly Val Ser Gln Ser
115 120 125

Pro Leu Val Gln
130

<210> 5873
<211> 326
<212> PRT
<213> Homo sapiens

<400> 5873
Ala His Ala Ser Ala His Ala Ser Ala Trp Val Pro Ala Pro Gln Arg
1 5 10 15

Ser Arg Asp Ser Pro Arg Arg Arg Ala Arg Arg Pro Glu Leu Pro Lys
20 25 30

Pro Ser Arg Ala Ala His Thr Pro Gly Leu His Ser Leu Phe Gln His
35 40 45

Pro Leu Val Leu Ala Ala Ala Arg Val Pro Glu Thr Glu Leu Pro Gln
50 55 60

```
Arg Pro Arg Arg Arg Arg Cys Glu Gly Pro Met Arg Ala Pro Leu Leu
 65                  70                  75                  80

Pro Pro Ala Pro Val Val Leu Ser Leu Leu Ile Leu Gly Ser Gly His
                 85                  90                  95

Tyr Ala Ala Gly Leu Asp Leu Asn Asp Thr Tyr Ser Gly Lys Arg Glu
            100                 105                 110

Pro Phe Ser Gly Asp His Ser Ala Asp Gly Phe Glu Val Thr Ser Arg
        115                 120                 125

Ser Glu Met Ser Ser Gly Ser Glu Ile Ser Pro Val Ser Glu Met Pro
    130                 135                 140

Ser Ser Ser Glu Pro Ser Ser Gly Ala Asp Tyr Asp Tyr Ser Glu Glu
145                 150                 155                 160

Tyr Asp Asn Glu Pro Gln Ile Pro Gly Tyr Ile Val Asp Asp Ser Val
                165                 170                 175

Arg Val Glu Gln Val Val Lys Pro Pro Gln Asn Lys Thr Glu Ser Glu
            180                 185                 190

Asn Thr Ser Asp Lys Pro Lys Arg Lys Lys Lys Gly Gly Lys Asn Gly
        195                 200                 205

Lys Asn Arg Arg Asn Arg Lys Lys Lys Asn Pro Cys Asn Ala Glu Phe
    210                 215                 220

Gln Asn Phe Cys Ile His Gly Glu Cys Lys Tyr Ile Glu His Leu Glu
225                 230                 235                 240

Ala Val Thr Cys Lys Cys Gln Gln Glu Tyr Phe Gly Glu Arg Cys Gly
                245                 250                 255

Glu Lys Ser Met Lys Thr His Ser Met Ile Asp Ser Ser Leu Ser Lys
            260                 265                 270

Ile Ala Leu Ala Ala Ile Ala Ala Phe Met Ser Ala Val Ile Leu Thr
        275                 280                 285

Ala Val Ala Val Ile Thr Val Gln Leu Arg Arg Gln Tyr Val Arg Lys
    290                 295                 300

Tyr Glu Gly Glu Ala Glu Glu Arg Lys Lys Leu Arg Gln Glu Asn Gly
305                 310                 315                 320

Asn Val His Ala Ile Ala
                325
```

BNSDOCID: <WO 0122920A2 I >

<210> 5874
<211> 58
<212> PRT
<213> Homo sapiens

<400> 5874
Ala Pro Gln Arg Ser Ser Leu Val Asp Arg Val Arg Leu His Leu Lys
1 5 10 15

Lys Ile Lys Ile Lys Leu Phe Ser Glu Glu Gln Met Ser His Ser Ser
20 25 30

Asn Asp Pro Leu Ser Arg Asn Met Val Glu Phe Ser Pro Ile Gln Val
35 40 45

Ser His Ile Gln Lys Thr Thr Ser His Tyr
50 55

<210> 5875
<211> 93
<212> PRT
<213> Homo sapiens

<400> 5875
Gly Arg Leu Trp Ser Arg Glu Glu Ala Met Ala Thr Met Glu Asn Lys
1 5 10 15

Val Ile Cys Ala Leu Val Leu Val Ser Met Leu Ala Leu Gly Thr Leu
20 25 30

Ala Glu Ala Gln Thr Glu Thr Cys Thr Val Ala Pro Arg Glu Arg Gln
35 40 45

Asn Cys Gly Phe Pro Gly Val Thr Pro Ser Gln Cys Ala Asn Lys Gly
50 55 60

Cys Cys Phe Asp Asp Thr Val Arg Gly Val Pro Trp Cys Phe Tyr Pro
65 70 75 80

Asn Thr Ile Asp Val Pro Pro Glu Glu Glu Cys Glu Phe
85 90

<210> 5876
<211> 55

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5876
Lys Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Ile Ser
1 5 10 15

Pro Arg Ala Arg Leu Pro Pro Xaa Pro Asp Thr Ser Asp Thr Leu Leu
20 25 30

Gln Leu Cys Leu Gly Ser Gln His Arg Leu Thr Ala Leu Thr Leu Thr
35 40 45

Thr Gln Asn Trp Pro Lys Asn
50 55

<210> 5877
<211> 214
<212> PRT
<213> Homo sapiens

<400> 5877
Ala Gly Arg Pro Met Lys Val Gly His Val Thr Glu Arg Thr Asp Ala
1 5 10 15

Ser Ser Ala Ser Ser Phe Leu Asp Ser Asp Glu Leu Glu Arg Thr Gly
20 25 30

Ile Asp Leu Gly Thr Thr Gly Arg Leu Gln Leu Met Ala Arg Leu Ala
35 40 45

Glu Gly Thr Gly Leu Gln Ile Pro Pro Ala Ala Gln Gln Ala Leu Gln
50 55 60

Met Ser Gly Ser Leu Ala Phe Gly Ala Val Ala Glu Phe Ser Phe Val
65 70 75 80

Ile Asp Leu Gln Thr Arg Leu Ser Gln Gln Thr Glu Ala Ser Ala Leu
85 90 95

Ala Ala Ala Ala Ser Val Gln Pro Leu Ala Thr Gln Cys Phe Gln Leu
100 105 110

Ser Asn Met Phe Asn Pro Gln Thr Glu Glu Glu Val Gly Trp Asp Thr

```
        115                 120                 125

Glu Ile Lys Asp Asp Val Ile Glu Glu Cys Asn Lys His Gly Gly Val
    130                 135                 140

Ile His Ile Tyr Val Asp Lys Asn Ser Ala Gln Gly Asn Val Tyr Val
145                 150                 155                 160

Lys Cys Pro Ser Ile Ala Ala Ala Ile Ala Ala Val Asn Ala Leu His
                165                 170                 175

Gly Arg Trp Phe Ala Gly Lys Met Ile Thr Ala Ala Tyr Val Pro Leu
            180                 185                 190

Pro Thr Tyr His Asn Leu Phe Pro Asp Ser Met Thr Ala Thr Gln Leu
        195                 200                 205

Leu Val Pro Ser Arg Arg
    210
```

<210> 5878
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5878

```
Asn Cys Ser Pro Ala Phe Tyr Gly Ser Ser Leu Pro Cys Pro Gln Thr
  1               5                  10                  15

Gln Gln Lys Arg Arg Gly Arg Ile Arg Gly Leu Ser Arg Pro Ala Pro
            20                  25                  30

Leu Pro Thr Cys His Thr Arg Cys Glu Phe Glu His Ser Pro Xaa Met
        35                  40                  45

Glu Thr Ser His Pro Gln Leu Asn Asn Gly Pro Phe Met Pro Thr Leu
    50                  55                  60

Pro Thr Arg Arg Gly Gln Arg Cys Thr Arg Arg Pro Ser Ser Ser Pro
65                  70                  75                  80

Ser Ser Ala Pro Ser His Tyr Ser Trp Phe Tyr
                85                  90
```

BNSDOCID: <WO__ 0122920A2 I_>

<210> 5879
<211> 52
<212> PRT
<213> Homo sapiens

<400> 5879
Thr Gln Lys Thr Ser Ser Leu Leu Pro Ala Leu Ser Leu Gln Leu Pro
1 5 10 15

Leu Leu Thr Arg Phe Ser Ile Met Cys Ser Val Lys Glu Glu Phe Trp
20 25 30

Arg Val Gln Ser Ile Ile Thr Glu Leu Val Leu Lys Gly Glu Phe Gly
35 40 45

Val Lys Arg Gln
50

<210> 5880
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5880
Ala Asp Asp Ser Phe Phe Thr Gly Ile Ala Phe Xaa Thr Ser Ile Ser
1 5 10 15

Val Asn Asn Cys Val Cys His Phe Ser Pro Leu Lys Ser Asp Gln Asp
20 25 30

Tyr Ile Leu Lys Glu Gly Asp Leu Val Lys Met
35 40

<210> 5881
<211> 131
<212> PRT
<213> Homo sapiens

<400> 5881
Pro Thr Arg Pro Ala Gln Thr Ala Leu Pro Tyr Ala Met Asn Ser Glu

BNSDOCID <WO_ 0122920A2 I >

```
  1               5                  10                  15

Phe Ser Ser Val Leu Ala Ala Gln Leu Lys His His Ser Glu Asn Lys
            20                  25                  30

Gly Leu Asp Lys Val Met Glu Thr Gln Ala Gln Val Asp Glu Leu Lys
        35                  40                  45

Gly Ile Met Val Arg Asn Ile Asp Leu Val Ala Gln Arg Gly Glu Arg
    50                  55                  60

Leu Glu Leu Leu Ile Asp Lys Thr Glu Asn Leu Val Asp Ser Ser Val
65                  70                  75                  80

Thr Phe Lys Thr Thr Ser Arg Asn Leu Ala Arg Ala Met Cys Met Lys
                85                  90                  95

Asn Leu Lys Leu Thr Ile Ile Ile Ile Ile Val Ser Ile Val Phe Ile
            100                 105                 110

Tyr Ile Ile Val Ser Pro Leu Cys Gly Gly Phe Thr Trp Pro Ser Cys
        115                 120                 125

Val Lys Lys
    130
```

<210> 5882
<211> 226
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (197)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5882

```
Asn Phe Gly Ile Lys Asp Lys Pro Thr Phe Ile Lys Gly Ile Gly Ala
  1               5                  10                  15

Gly Gly Ser Ile Thr Gly Leu Lys Phe Asn Pro Leu Asn Thr Asn Gln
            20                  25                  30

Phe Tyr Ala Ser Ser Met Glu Gly Thr Thr Arg Leu Gln Asp Phe Lys
        35                  40                  45

Gly Asn Ile Leu Arg Val Phe Ala Ser Ser Asp Thr Ile Asn Ile Trp
    50                  55                  60
```

```
Phe Cys Ser Leu Asp Val Ser Ala Ser Ser Arg Met Val Val Thr Gly
 65                  70                  75                  80

Asp Asn Val Gly Asn Val Ile Leu Leu Asn Met Asp Gly Lys Glu Leu
                 85                  90                  95

Trp Asn Leu Arg Met His Lys Lys Lys Val Thr His Val Ala Leu Asn
            100                 105                 110

Pro Cys Cys Asp Trp Phe Leu Ala Thr Ala Ser Val Asp Gln Thr Val
        115                 120                 125

Lys Ile Trp Asp Leu Arg Gln Val Arg Gly Lys Ala Ser Phe Leu Tyr
    130                 135                 140

Ser Leu Pro His Arg His Pro Val Asn Ala Ala Cys Phe Ser Pro Asp
145                 150                 155                 160

Gly Ala Arg Leu Leu Thr Thr Asp Gln Lys Ser Glu Ile Arg Val Tyr
                165                 170                 175

Ser Ala Ser Gln Trp Asp Cys Pro Leu Gly Leu Ile Pro His Pro His
            180                 185                 190

Arg His Phe Gln Xaa Leu Thr Pro Ile Lys Ala Ala Trp Asp Pro Arg
        195                 200                 205

Tyr Asn Leu Ile Val Val Gly Arg Tyr Pro Asp Pro Asn Phe Lys Ser
    210                 215                 220

Cys Thr
225
```

<210> 5883
<211> 484
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5883

```
Trp Leu Leu Arg Ser Pro Gly Lys Leu Thr Ala Arg Glu Arg Ile Ser
  1               5                  10                  15

Leu Leu Leu Asp Pro Gly Ser Phe Xaa Glu Ser Asp Met Phe Val Glu
             20                  25                  30
```

```
His Arg Cys Ala Asp Phe Gly Met Ala Ala Asp Lys Asn Lys Phe Pro
         35                  40                  45

Gly Asp Ser Val Val Thr Gly Arg Gly Arg Ile Asn Gly Arg Leu Val
     50                  55                  60

Tyr Val Phe Ser Gln Asp Phe Thr Val Phe Gly Gly Ser Leu Ser Gly
 65                  70                  75                  80

Ala His Ala Gln Lys Ile Cys Lys Ile Met Asp Gln Ala Ile Thr Val
                 85                  90                  95

Gly Ala Pro Val Ile Gly Leu Asn Asp Ser Gly Gly Ala Arg Ile Gln
            100                 105                 110

Glu Gly Val Glu Ser Leu Ala Gly Tyr Ala Asp Ile Phe Leu Arg Asn
        115                 120                 125

Val Thr Ala Ser Gly Val Ile Pro Gln Ile Ser Leu Ile Met Gly Pro
    130                 135                 140

Cys Ala Gly Gly Ala Val Tyr Ser Pro Ala Leu Thr Asp Phe Thr Phe
145                 150                 155                 160

Met Val Lys Asp Thr Ser Tyr Leu Phe Ile Thr Gly Pro Asp Val Val
                165                 170                 175

Lys Ser Val Thr Asn Glu Asp Val Thr Gln Glu Glu Leu Gly Gly Ala
            180                 185                 190

Lys Thr His Thr Thr Met Ser Gly Val Ala His Arg Ala Phe Glu Asn
        195                 200                 205

Asp Val Asp Ala Leu Cys Asn Leu Arg Asp Phe Phe Asn Tyr Leu Pro
    210                 215                 220

Leu Ser Ser Gln Asp Pro Ala Pro Val Arg Glu Cys His Asp Pro Ser
225                 230                 235                 240

Asp Arg Leu Val Pro Glu Leu Asp Thr Ile Val Pro Leu Glu Ser Thr
                245                 250                 255

Lys Ala Tyr Asn Met Val Asp Ile Ile His Ser Val Val Asp Glu Arg
            260                 265                 270

Glu Phe Phe Glu Ile Met Pro Asn Tyr Ala Lys Asn Ile Ile Val Gly
        275                 280                 285

Phe Ala Arg Met Asn Gly Arg Thr Val Gly Ile Val Gly Asn Gln Pro
    290                 295                 300
```

BNSDOCID: <WO__0122920A2_I_>

```
Lys Val Ala Ser Gly Cys Leu Asp Ile Asn Ser Ser Val Lys Gly Ala
305                 310                 315                 320

Arg Phe Val Arg Phe Cys Asp Ala Phe Asn Ile Pro Leu Ile Thr Phe
                325                 330                 335

Val Asp Val Pro Gly Phe Leu Pro Gly Thr Ala Gln Glu Tyr Gly Gly
            340                 345                 350

Ile Ile Arg His Gly Ala Lys Leu Leu Tyr Ala Phe Ala Glu Ala Thr
        355                 360                 365

Val Pro Lys Val Thr Val Ile Thr Arg Lys Ala Tyr Gly Gly Ala Tyr
    370                 375                 380

Asp Val Met Ser Ser Lys His Leu Cys Gly Asp Thr Asn Tyr Ala Trp
385                 390                 395                 400

Pro Thr Ala Glu Ile Ala Val Met Gly Ala Lys Gly Ala Val Glu Ile
                405                 410                 415

Ile Phe Lys Gly His Glu Asn Val Glu Ala Ala Gln Ala Glu Tyr Ile
            420                 425                 430

Glu Lys Phe Ala Asn Pro Phe Pro Ala Ala Val Arg Gly Phe Val Asp
        435                 440                 445

Asp Ile Ile Gln Pro Ser Ser Thr Arg Ala Arg Ile Cys Cys Asp Leu
    450                 455                 460

Asp Val Leu Ala Ser Lys Lys Val Gln Arg Pro Trp Arg Lys His Ala
465                 470                 475                 480

Asn Ile Pro Leu
```

<210> 5884
<211> 344
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (325)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (327)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5884

```
Asn Lys Met Lys Ile Phe Ser Glu Ser His Lys Thr Val Phe Val Val
  1               5                  10                  15

Asp His Cys Pro Tyr Met Ala Glu Ser Cys Arg Gln His Val Glu Phe
             20                  25                  30

Asp Met Leu Val Lys Asn Arg Thr Gln Gly Ile Ile Pro Leu Ala Pro
         35                  40                  45

Ile Ser Lys Ser Leu Trp Thr Xaa Ser Val Glu Ser Ser Xaa Glu Tyr
     50                  55                  60

Cys Arg Ile Met Tyr Asp Ile Phe Pro Phe Lys Lys Leu Val Asn Phe
 65                  70                  75                  80

Ile Val Ser Asp Ser Gly Ala His Val Leu Asn Ser Trp Thr Gln Glu
                 85                  90                  95

Asp Gln Asn Leu Gln Glu Leu Met Ala Ala Leu Ala Ala Xaa Gly Pro
            100                 105                 110

Pro Asn Pro Arg Ala Asp Pro Glu Cys Cys Ser Ile Leu His Gly Leu
        115                 120                 125

Val Ala Ala Val Glu Thr Leu Cys Lys Ile Thr Glu Tyr Gln His Glu
    130                 135                 140

Ala Arg Thr Leu Leu Met Glu Asn Ala Glu Arg Val Gly Asn Arg Gly
145                 150                 155                 160

Arg Ile Ile Cys Ile Thr Asn Ala Lys Ser Asp Ser His Val Arg Met
                165                 170                 175
```

BNSDOCID: <WO_ 0122920A2 I >

```
Leu Glu Asp Cys Val Gln Glu Thr Ile His Glu His Asn Lys Leu Ala
            180                 185                 190

Ala Asn Ser Asp His Leu Met Gln Ile Gln Lys Cys Glu Leu Val Leu
        195                 200                 205

Ile His Thr Tyr Pro Val Gly Glu Asp Ser Leu Val Ser Asp Arg Ser
    210                 215                 220

Lys Lys Glu Leu Ser Pro Val Leu Thr Ser Glu Val His Ser Val Arg
225                 230                 235                 240

Ala Gly Arg His Leu Ala Thr Lys Leu Asn Ile Leu Val Gln Gln His
                245                 250                 255

Phe Asp Leu Ala Ser Thr Thr Ile Thr Asn Ile Pro Met Lys Glu Glu
            260                 265                 270

Gln His Ala Asn Thr Ser Ala Asn Tyr Asp Val Glu Leu Leu His His
        275                 280                 285

Lys Asp Ala His Val Asp Phe Leu Lys Ser Gly Asp Ser His Leu Gly
    290                 295                 300

Gly Gly Ser Arg Glu Gly Ser Phe Lys Glu Thr Ile Thr Leu Lys Trp
305                 310                 315                 320

Cys Thr Pro Arg Xaa Lys Xaa Thr Leu Cys Phe Leu Leu Phe Gln Glu
                325                 330                 335

Leu His Tyr Cys Thr Gly Ala Leu
            340
```

<210> 5885
<211> 365
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (155)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (171)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _ 0122920A2 I >

<220>
<221> SITE
<222> (192)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5885

```
Pro Glu His Ser Trp Ser Ser Ser Ser Ser Thr Lys Arg Trp Thr Glu
  1               5                  10                  15

Lys Thr Ala Glu Thr Met Gly Pro Pro Ser Ala Pro Pro Cys Arg Leu
             20                  25                  30

His Val Pro Trp Lys Glu Val Leu Leu Thr Ala Ser Leu Leu Thr Phe
         35                  40                  45

Trp Asn Pro Pro Thr Thr Ala Lys Leu Thr Ile Glu Ser Thr Pro Phe
     50                  55                  60

Asn Val Ala Glu Gly Lys Glu Val Leu Leu Leu Ala His Asn Leu Pro
 65                  70                  75                  80

Gln Asn Arg Ile Gly Tyr Ser Trp Tyr Lys Gly Glu Arg Val Asp Gly
                 85                  90                  95

Asn Ser Leu Ile Val Gly Tyr Val Ile Gly Thr Gln Gln Ala Thr Pro
            100                 105                 110

Gly Pro Ala Tyr Ser Gly Arg Glu Thr Ile Tyr Pro Asn Ala Ser Leu
        115                 120                 125

Leu Ile Gln Asn Val Thr Gln Asn Asp Thr Gly Phe Tyr Thr Leu Gln
    130                 135                 140

Val Ile Lys Ser Asp Leu Val Asn Glu Glu Xaa Thr Gly Gln Phe His
145                 150                 155                 160

Val Tyr Pro Glu Leu Pro Lys Pro Ser Ile Xaa Ser Asn Asn Ser Asn
                165                 170                 175

Pro Val Glu Asp Lys Asp Ala Val Ala Phe Thr Cys Glu Pro Glu Xaa
            180                 185                 190

Gln Asn Thr Thr Tyr Leu Trp Trp Val Asn Gly Gln Ser Leu Pro Val
        195                 200                 205

Ser Pro Arg Leu Gln Leu Ser Asn Gly Asn Met Thr Leu Thr Leu Leu
    210                 215                 220

Ser Val Lys Arg Asn Asp Ala Gly Ser Tyr Glu Cys Glu Ile Gln Asn
225                 230                 235                 240
```

```
Pro Ala Ser Ala Asn Arg Ser Asp Pro Val Thr Leu Asn Val Leu Tyr
                245                 250                 255

Gly Pro Asp Gly Pro Thr Ile Ser Pro Ser Lys Ala Asn Tyr Arg Pro
            260                 265                 270

Gly Glu Asn Leu Asn Leu Ser Cys His Ala Ala Ser Asn Pro Pro Ala
        275                 280                 285

Gln Tyr Ser Trp Phe Ile Asn Gly Thr Phe Gln Gln Ser Thr Gln Glu
    290                 295                 300

Leu Phe Ile Pro Asn Ile Thr Val Asn Asn Ser Gly Ser Tyr Met Cys
305                 310                 315                 320

Gln Ala His Asn Ser Ala Thr Gly Leu Asn Arg Thr Thr Val Thr Met
                325                 330                 335

Ile Thr Val Ser Gly Ser Ala Pro Val Leu Ser Ala Val Ala Thr Val
            340                 345                 350

Gly Ile Thr Ile Gly Val Leu Ala Arg Val Ala Leu Ile
        355                 360                 365
```

<210> 5886
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5886

```
Asp Pro Val Ser Glu Glu Gly Glu Gly Leu Ser Cys Xaa Asp Gln Xaa
  1               5                  10                  15

His Arg Asp Pro Leu Gly Arg Gly Ala Gly Arg Ala Lys Lys Arg Thr
            20                  25                  30

Cys Lys Gly Arg Arg Arg Asn Pro Asp Ala Ala Ser Glu Val Gln Ala
        35                  40                  45
```

BNSDOCID: <WO_ 0122920A2 I >

His Leu Val Asn Met His Cys His Glu Phe Leu Pro Asp Val Leu Leu
50 55 60

Phe Ser Phe Thr Tyr Ser Phe Asp Gln Ile Val Cys Gly Leu Asn Lys
65 70 75 80

Met Lys Ile Ser Ser Pro Leu Phe Leu Gly Asn Thr Leu
85 90

<210> 5887
<211> 82
<212> PRT
<213> Homo sapiens

<400> 5887
Leu Cys Glu Lys Trp Ala Gln Trp Pro Ser Pro Glu Ile Ser Phe Ile
1 5 10 15

Leu Gly Gln Glu Phe Asp Glu Val Thr Ala Asp Asp Arg Lys Val Lys
20 25 30

Ser Thr Ile Thr Leu Asp Gly Gly Val Leu Val His Val Gln Lys Trp
35 40 45

Asp Gly Lys Ser Thr Thr Ile Lys Arg Lys Arg Glu Asp Asp Lys Leu
50 55 60

Val Val Glu Cys Val Met Lys Gly Val Thr Ser Thr Arg Val Tyr Glu
65 70 75 80

Arg Ala

<210> 5888
<211> 102
<212> PRT
<213> Homo sapiens

<400> 5888
Asp Leu His Ser Gln Trp Gly Thr Trp Pro Pro Ile Leu Gly Asp Leu
1 5 10 15

Arg Lys Arg Thr Ser Pro Trp Gly Glu Gly Trp Val Gly Pro Glu Gly
20 25 30

Pro Val Pro Ser Ser Val Leu Arg Gly Arg Ala Thr Cys Ser Asn Gly
35 40 45

Ile Cys Ile Leu Ala Pro Leu His Leu Leu Ser Pro Ala Glu Ser Phe
50 55 60

Pro Ser Lys Pro Lys Ser Cys His Cys Phe Phe Leu Pro Gly Lys Asn
65 70 75 80

Ala Trp Thr Leu Pro Gly Asp Arg Leu Lys Pro Glu Gln Cys His Thr
85 90 95

Leu Ala Leu Ile Pro Cys
100

<210> 5889
<211> 51
<212> PRT
<213> Homo sapiens

<400> 5889
Tyr Pro Leu Phe Thr Ile Met Leu Phe Glu Thr Lys Val Thr Met Tyr
1 5 10 15

Thr Ile Leu Leu Glu Glu Val Phe Asp Arg Lys Ser Asn Ile Met Ser
20 25 30

Phe Ile Asn Phe Leu Val Leu Lys Lys Ala Val Ile Tyr Ile Tyr Lys
35 40 45

Leu Cys Lys
50

<210> 5890
<211> 239
<212> PRT
<213> Homo sapiens

<400> 5890
Glu Tyr Gly Ser Pro Ser Val Ile Ser Val Ser Lys Gly Ser Pro Asp
1 5 10 15

Gly Ser His Pro Val Val Val Ala Pro Tyr Asn Gly Gly Pro Pro Arg
20 25 30

Thr Cys Pro Lys Ile Lys Gln Glu Ala Val Ser Ser Cys Thr His Leu
35 40 45

Gly Ala Gly Pro Pro Leu Ser Asn Gly His Arg Pro Ala Ala His Asp

50 55 60

Phe Pro Leu Gly Arg Gln Leu Pro Ser Arg Thr Thr Pro Thr Leu Gly
65 70 75 80

Leu Glu Glu Val Leu Ser Ser Arg Asp Cys His Pro Ala Leu Pro Leu
85 90 95

Pro Pro Gly Phe His Pro His Pro Gly Pro Asn Tyr Pro Ser Phe Leu
100 105 110

Pro Asp Gln Met Gln Pro Gln Val Pro Pro Leu His Tyr Gln Glu Leu
115 120 125

Met Pro Pro Gly Ser Cys Met Pro Glu Glu Pro Lys Pro Lys Arg Gly
130 135 140

Arg Arg Ser Trp Pro Arg Lys Arg Thr Ala Thr His Thr Cys Asp Tyr
145 150 155 160

Ala Gly Cys Gly Lys Thr Tyr Thr Lys Ser Ser His Leu Lys Ala His
165 170 175

Leu Arg Thr His Thr Gly Glu Lys Pro Tyr His Cys Asp Trp Asp Gly
180 185 190

Cys Gly Trp Lys Phe Ala Arg Ser Asp Glu Leu Thr Arg His Tyr Arg
195 200 205

Lys His Thr Gly His Arg Pro Phe Gln Cys Gln Lys Cys Asp Arg Ala
210 215 220

Phe Ser Arg Ser Asp His Leu Ala Leu His Met Lys Arg His Phe
225 230 235

<210> 5891
<211> 269
<212> PRT
<213> Homo sapiens

<400> 5891
Leu Val Pro Asn Ser Ala Arg Val Gly Thr Arg Ser Lys Gly Val Cys
1 5 10 15

Val His Gly Asn Ala Glu Tyr Gln Pro Gly Ser Pro Val Tyr Ser Ser
20 25 30

Lys Cys Gln Asp Cys Val Cys Thr Asp Lys Val Asp Asn Asn Thr Leu
35 40 45

```
Leu Asn Val Ile Ala Cys Thr His Val Pro Cys Asn Thr Ser Cys Ser
     50                  55                  60

Pro Gly Phe Glu Leu Met Glu Ala Pro Gly Glu Cys Cys Lys Lys Cys
 65                  70                  75                  80

Glu Gln Thr His Cys Ile Ile Lys Arg Pro Asp Asn Gln His Val Ile
                 85                  90                  95

Leu Lys Pro Gly Asp Phe Lys Ser Asp Pro Lys Asn Asn Cys Thr Phe
            100                 105                 110

Phe Ser Cys Val Lys Ile His Asn Gln Leu Ile Ser Ser Val Ser Asn
        115                 120                 125

Ile Thr Cys Pro Asn Phe Asp Ala Ser Ile Cys Ile Pro Gly Ser Ile
    130                 135                 140

Thr Phe Met Pro Asn Gly Cys Cys Lys Thr Cys Thr Pro Arg Asn Glu
145                 150                 155                 160

Thr Arg Val Pro Cys Ser Thr Val Pro Val Thr Thr Glu Val Ser Tyr
                165                 170                 175

Ala Gly Cys Thr Lys Thr Val Leu Met Asn His Cys Ser Gly Ser Cys
            180                 185                 190

Gly Thr Phe Val Met Tyr Ser Ala Lys Ala Gln Ala Leu Asp His Ser
        195                 200                 205

Cys Ser Cys Cys Lys Glu Glu Lys Thr Ser Gln Arg Glu Val Val Leu
    210                 215                 220

Ser Cys Pro Asn Gly Gly Ser Leu Thr His Thr Tyr Thr His Ile Glu
225                 230                 235                 240

Ser Cys Gln Cys Gln Asp Thr Val Cys Gly Leu Pro Thr Gly Thr Ser
                245                 250                 255

Arg Arg Ala Arg Arg Ser Pro Arg His Leu Gly Ser Gly
            260                 265
```

<210> 5892
<211> 227
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO 0122920A2_I >

<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5892

```
Ala Cys His Glu Lys Val Val Asn Ile Gln Lys Asp Pro Gly Glu Ser
  1               5                  10                  15

Leu Gly Met Thr Val Ala Gly Gly Ala Ser His Arg Xaa Trp Asp Leu
             20                  25                  30

Pro Ile Tyr Val Ile Ser Val Glu Pro Gly Gly Val Ile Ser Arg Asp
         35                  40                  45

Gly Arg Ile Lys Thr Gly Asp Ile Leu Leu Asn Val Asp Gly Val Glu
     50                  55                  60

Leu Thr Glu Val Ser Arg Ser Glu Ala Val Ala Leu Leu Lys Arg Thr
 65                  70                  75                  80

Ser Ser Ser Ile Val Leu Lys Ala Leu Glu Val Lys Glu Tyr Glu Pro
                 85                  90                  95

Gln Glu Asp Cys Ser Ser Pro Ala Ala Leu Asp Ser Asn His Asn Met
            100                 105                 110

Ala Pro Pro Ser Asp Trp Ser Pro Ser Trp Val Met Trp Leu Glu Leu
        115                 120                 125

Pro Arg Cys Leu Tyr Asn Cys Lys Asp Ile Val Leu Arg Arg Asn Thr
    130                 135                 140

Ala Gly Ser Leu Gly Phe Cys Ile Val Gly Gly Tyr Glu Glu Tyr Asn
145                 150                 155                 160

Gly Asn Lys Pro Phe Phe Ile Lys Ser Ile Val Glu Gly Thr Pro Ala
                165                 170                 175

Tyr Asn Asp Gly Arg Ile Arg Cys Gly Asp Ile Leu Leu Ala Val Asn
            180                 185                 190

Gly Arg Ser Thr Ser Gly Met Ile His Ala Cys Leu Ala Arg Leu Leu
        195                 200                 205

Lys Glu Leu Lys Gly Arg Ile Thr Leu Thr Ile Val Ser Trp Pro Gly
    210                 215                 220

Thr Phe Leu
225
```

<210> 5893
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5893
Ser Ser His Phe Tyr Ala Lys Gln Glu Xaa Ser Ile Thr Leu Val Leu
1 5 10 15

Met Tyr Thr Leu His Phe Asp Lys Ile Asn Phe Val Val Ser Phe Glu
20 25 30

Val Asp Arg Cys Val Val Val Leu Leu His Phe Leu Leu Phe Cys Val
35 40 45

Trp Ser Cys Ile Pro Glu Thr Asn Glu Ala Leu Gly Tyr Phe Ile Lys
50 55 60

Cys Ser Asp Cys Gln Gln Arg Ala Gly Phe Leu Phe Leu Cys Cys Gly
65 70 75 80

Val Asn Arg Thr Met Val Trp Glu
85

<210> 5894
<211> 571
<212> PRT
<213> Homo sapiens

<400> 5894
Arg Val Arg Ser Lys Val Pro Arg Cys Val Asn Thr Gln Pro Gly Phe
1 5 10 15

His Cys Leu Pro Cys Pro Pro Arg Tyr Arg Gly Asn Gln Pro Val Gly
20 25 30

Val Gly Leu Glu Ala Ala Lys Thr Glu Lys Gln Val Cys Glu Pro Glu
35 40 45

Asn Pro Cys Lys Asp Lys Thr His Asn Cys His Lys His Ala Glu Cys
50 55 60

Ile Tyr Leu Gly His Phe Ser Asp Pro Met Tyr Lys Cys Glu Cys Gln

BNSDOCID: <WO__ 0122920A2 I_>

65 70 75 80

Thr Gly Tyr Ala Gly Asp Gly Leu Ile Cys Gly Glu Asp Ser Asp Leu
85 90 95

Asp Gly Trp Pro Asn Leu Asn Leu Val Cys Ala Thr Asn Ala Thr Tyr
100 105 110

His Cys Ile Lys Asp Asn Cys Pro His Leu Pro Asn Ser Gly Gln Glu
115 120 125

Asp Phe Asp Lys Asp Gly Ile Gly Asp Ala Cys Asp Asp Asp Asp Asp
130 135 140

Asn Asp Gly Val Thr Asp Glu Lys Asp Asn Cys Gln Leu Leu Phe Asn
145 150 155 160

Pro Arg Gln Ala Asp Tyr Asp Lys Asp Glu Val Gly Asp Arg Cys Asp
165 170 175

Asn Cys Pro Tyr Val His Asn Pro Ala Gln Ile Asp Thr Asp Asn Asn
180 185 190

Gly Glu Gly Asp Ala Cys Ser Val Asp Ile Asp Gly Asp Asp Val Phe
195 200 205

Asn Glu Arg Asp Asn Cys Pro Tyr Val Tyr Asn Thr Asp Gln Arg Asp
210 215 220

Thr Asp Gly Asp Gly Val Gly Asp His Cys Asp Asn Cys Pro Leu Val
225 230 235 240

His Asn Pro Asp Gln Thr Asp Val Asp Asn Asp Leu Val Gly Asp Gln
245 250 255

Cys Asp Asn Asn Glu Asp Ile Asp Asp Asp Gly His Gln Asn Asn Gln
260 265 270

Asp Asn Cys Pro Tyr Ile Ser Asn Ala Asn Gln Ala Asp His Asp Arg
275 280 285

Asp Gly Gln Gly Asp Ala Cys Asp Pro Asp Asp Asp Asn Asp Gly Val
290 295 300

Pro Asp Asp Arg Asp Asn Cys Arg Leu Val Phe Asn Pro Asp Gln Glu
305 310 315 320

Asp Leu Asp Gly Asp Gly Arg Gly Asp Ile Cys Lys Asp Asp Phe Asp
325 330 335

Asn Asp Asn Ile Pro Asp Ile Asp Asp Val Cys Pro Glu Asn Asn Ala

BNSDOCID: <WO__ 0122920A2_I >

340 345 350

Ile Ser Glu Thr Asp Phe Arg Asn Phe Gln Met Val Pro Leu Asp Pro
355 360 365

Lys Gly Thr Thr Gln Ile Asp Pro Asn Trp Val Ile Arg His Gln Gly
370 375 380

Lys Glu Leu Val Gln Thr Ala Asn Ser Asp Pro Gly Ile Ala Val Gly
385 390 395 400

Phe Asp Glu Phe Gly Ser Val Asp Phe Ser Gly Thr Phe Tyr Val Asn
405 410 415

Thr Asp Arg Asp Asp Asp Tyr Ala Gly Phe Val Phe Gly Tyr Gln Ser
420 425 430

Ser Ser Arg Phe Tyr Val Val Met Trp Lys Gln Val Thr Gln Thr Tyr
435 440 445

Trp Glu Asp Gln Pro Thr Arg Ala Tyr Gly Tyr Ser Gly Val Ser Leu
450 455 460

Lys Val Val Asn Ser Thr Thr Gly Thr Gly Glu His Leu Arg Asn Ala
465 470 475 480

Leu Trp His Thr Gly Asn Thr Pro Gly Gln Val Arg Thr Leu Trp His
485 490 495

Asp Pro Arg Asn Ile Gly Trp Lys Asp Tyr Thr Ala Tyr Arg Trp His
500 505 510

Leu Thr His Arg Pro Lys Thr Gly Tyr Ile Arg Val Leu Val His Glu
515 520 525

Gly Lys Gln Val Met Ala Asp Ser Gly Pro Ile Tyr Asp Gln Thr Tyr
530 535 540

Ala Gly Gly Arg Leu Gly Leu Phe Val Phe Ser Gln Glu Met Val Tyr
545 550 555 560

Phe Ser Asp Leu Lys Tyr Glu Cys Arg Asp Ile
565 570

<210> 5895
<211> 59
<212> PRT
<213> Homo sapiens

<400> 5895
Asn Phe Leu Asn Glu Met Ile Asn Arg Trp Asn Leu Lys Tyr Ile Leu
1 5 10 15

Leu Gln Lys Arg Phe Leu Ser Leu Leu Tyr Phe Asp Asp Cys Phe Leu
20 25 30

Lys Ile Lys Ile Cys Ser Cys Ser Phe Ile Arg Leu Phe Lys Leu Cys
35 40 45

Phe Pro Leu Ile Phe Phe His His Cys Ile Tyr
50 55

<210> 5896
<211> 176
<212> PRT
<213> Homo sapiens

<400> 5896
Arg Pro Thr Arg Pro Ser Arg Asp Cys Glu Gly Glu Arg Ser Lys Pro
1 5 10 15

Arg Arg Arg Trp Lys Gly Trp Arg Thr His Leu Asn Met Trp Asn Pro
20 25 30

Asn Ala Gly Gln Pro Gly Pro Asn Pro Tyr Pro Pro Asn Ile Gly Cys
35 40 45

Pro Gly Gly Ser Asn Pro Ala His Pro Pro Pro Ile Asn Pro Pro Phe
50 55 60

Pro Pro Gly Pro Cys Pro Pro Pro Pro Gly Ala Pro His Gly Asn Pro
65 70 75 80

Ala Phe Pro Pro Gly Gly Pro Pro His Pro Val Pro Gln Pro Gly Tyr
85 90 95

Pro Gly Cys Gln Pro Leu Gly Pro Tyr Pro Pro Pro Tyr Pro Pro Pro
100 105 110

Ala Pro Gly Ile Pro Pro Val Asn Pro Leu Ala Pro Gly Met Val Gly
115 120 125

Pro Ala Val Ile Val Asp Lys Lys Met Gln Lys Lys Met Lys Lys Ala
130 135 140

His Lys Lys Met His Lys His Gln Lys His His Lys Tyr His Lys His
145 150 155 160

Gly Lys His Ser Ser Ser Ser Ser Ser Ser Ser Ser Asp Ser Asp
165 170 175

<210> 5897
<211> 205
<212> PRT
<213> Homo sapiens

<400> 5897
Leu Gly Gly Cys Arg Asp Val Pro Ser Leu Thr Leu Leu Ser Thr Val
1 5 10 15

Ala Gly Ala Leu Ile Ala Asp Phe Leu Ser Gly Leu Val His Trp Gly
20 25 30

Ala Asp Thr Trp Gly Ser Val Glu Leu Pro Ile Val Gly Lys Ala Phe
35 40 45

Ile Arg Pro Phe Arg Glu His His Ile Asp Pro Thr Ala Ile Thr Arg
50 55 60

His Asp Phe Ile Glu Thr Asn Gly Asp Asn Cys Leu Val Thr Leu Leu
65 70 75 80

Pro Leu Leu Asn Met Ala Tyr Lys Phe Arg Thr His Ser Pro Glu Ala
85 90 95

Leu Glu Gln Leu Tyr Pro Trp Glu Cys Phe Val Phe Cys Leu Ile Ile
100 105 110

Phe Gly Thr Phe Thr Asn Gln Ile His Lys Trp Ser His Thr Tyr Phe
115 120 125

Gly Leu Pro Arg Trp Val Thr Leu Leu Gln Asp Trp His Val Ile Leu
130 135 140

Pro Arg Lys His His Arg Ile His His Val Ser Pro His Glu Thr Tyr
145 150 155 160

Phe Cys Ile Thr Thr Gly Trp Leu Asn Tyr Pro Leu Glu Lys Ile Gly
165 170 175

Phe Trp Arg Arg Leu Glu Asp Leu Ile Gln Gly Leu Thr Gly Glu Lys
180 185 190

Pro Arg Ala Asp Asp Met Lys Trp Ala Gln Lys Ile Lys

BNSDOCID: <WO__ 0122920A2 I >

195 200 205

<210> 5898
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5898
Lys Trp Leu Leu Val Asn Phe Asp Cys Ser Ala Met Trp Val Lys Lys
1 5 10 15

Arg Thr Asp Leu Thr Gly Ala Phe Arg Leu Asp Pro Thr Tyr Leu Lys
20 25 30

His Ser His Gln Asp Ser Gly Leu Ile Thr Asp Tyr Arg His Trp Gln
35 40 45

Ile Pro Leu Gly Arg Arg Phe Arg Ser Leu Lys Met Trp Phe Val Phe
50 55 60

Arg Met Tyr Gly Val Lys Gly Leu Gln Ala Tyr Ile Arg Lys His Val
65 70 75 80

Gln Leu Ser Xaa Xaa Phe Glu Ser Leu Val Arg Gln Gly Ser Pro Leu
85 90 95

<210> 5899
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5899

```
Leu Xaa His Pro Phe Ala Val Thr Ser Tyr Gly Lys Asn Leu Tyr Phe
  1               5                  10                  15

Thr Asp Trp Lys Met Asn Ser Val Val Ala Leu Asp Leu Ala Ile Ser
             20                  25                  30

Lys Glu Thr Asp Ala Phe Gln Pro His Lys Gln Thr Arg Leu Tyr Gly
         35                  40                  45

Ile Thr Thr Ala Leu Ser Gln Cys Pro Gln Gly His Asn Tyr Cys Ser
     50                  55                  60

Val Asn Asn Gly Gly Cys Thr His Leu Cys Leu Ala Thr Pro Gly Ser
 65                  70                  75                  80

Arg Thr Cys Arg Cys Pro Asp Asn Thr Leu Gly Val Asp Cys Ile Glu
                 85                  90                  95

Gln Lys
```

<210> 5900
<211> 48
<212> PRT
<213> Homo sapiens

<400> 5900

```
Glu Ile Ser Ala Phe Leu Ile Ser Ser Asn Tyr Lys Arg Thr Ala Val
  1               5                  10                  15

Phe Phe His Thr His Leu Pro Glu Gly Arg Ile Gly Ser His Ile Tyr
             20                  25                  30

Val Tyr Glu Arg Lys Leu Lys Gly Lys Phe Asn Met Lys Met Lys Phe
         35                  40                  45
```

<210> 5901
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5901
Ser Ser Leu Gly Lys Leu Asp His Gln Xaa Phe Ser Leu Asp Arg Val
1 5 10 15

Ser Leu Val Asn Lys Gly Asp Thr Gly Asn Pro Glu Trp Thr Val Ile
20 25 30

Cys Val Gly Xaa His Ser Gly Ser Gly Ala Ser Asp Thr Leu Xaa Pro
35 40 45

Lys Thr Ala Pro Ser Phe Arg Leu Ala Tyr Glu Met Met Phe Met Cys
50 55 60

Phe Leu Glu Thr Arg Trp Lys Glu Arg Gly Arg Ile Asn Phe Leu Ile
65 70 75 80

Leu Leu Leu Leu Asn Val Met
85

<210> 5902
<211> 83
<212> PRT
<213> Homo sapiens

<400> 5902
Leu Asn Trp Leu Leu Gln Gly Glu Gly Gln Lys Ala Arg Pro Ser Ala
1 5 10 15

Leu Glu Ser Arg Pro Glu Val Ser Gly Lys Leu Thr Leu Lys Met Asp
20 25 30

Thr Pro Gln Pro Ala Leu Pro Phe Gly Leu Pro Arg Ile Ser Phe Ser
35 40 45

```
Gly Cys Ser His Thr Cys Ala Ile Thr Ser Ser Ser Met Thr Trp Thr
     50                  55                  60

Gly Thr Ser Leu Thr Ile Pro Ile Gly Ile Thr Arg Ala Thr Asn Tyr
 65                  70                  75                  80

Ala Val Phe
```

<210> 5903
<211> 269
<212> PRT
<213> Homo sapiens

<400> 5903

```
Arg Arg Cys Cys His Ser Ala Thr Met Phe Glu Ala Arg Leu Val Gln
  1               5                  10                  15

Gly Ser Ile Leu Lys Lys Val Leu Glu Ala Leu Lys Asp Leu Ile Asn
             20                  25                  30

Glu Ala Cys Trp Asp Ile Ser Ser Ser Gly Val Asn Leu Gln Ser Met
         35                  40                  45

Asp Ser Ser His Val Ser Leu Val Gln Leu Thr Leu Arg Ser Glu Gly
     50                  55                  60

Phe Asp Thr Tyr Arg Cys Asp Arg Asn Leu Ala Met Gly Val Asn Leu
 65                  70                  75                  80

Thr Ser Met Ser Lys Ile Leu Lys Cys Ala Gly Asn Glu Asp Ile Ile
                 85                  90                  95

Thr Leu Arg Ala Glu Asp Asn Ala Asp Thr Leu Ala Leu Val Phe Glu
            100                 105                 110

Ala Pro Asn Gln Glu Lys Val Ser Asp Tyr Glu Met Lys Leu Met Asp
        115                 120                 125

Leu Asp Val Glu Gln Leu Gly Ile Pro Glu Gln Glu Tyr Ser Cys Val
    130                 135                 140

Val Lys Met Pro Ser Gly Glu Phe Ala Arg Ile Cys Arg Asp Leu Ser
145                 150                 155                 160

His Ile Gly Asp Ala Val Val Ile Ser Cys Ala Lys Asp Gly Val Lys
                165                 170                 175

Phe Ser Ala Ser Gly Glu Leu Gly Asn Gly Asn Ile Lys Leu Ser Gln
```

BNSDOCID: <WO__ 0122920A2 I >

180 185 190

Thr Ser Asn Val Asp Lys Glu Glu Glu Ala Val Thr Ile Glu Met Asn
195 200 205

Glu Pro Val Gln Leu Thr Phe Ala Leu Arg Tyr Leu Asn Phe Phe Thr
210 215 220

Lys Ala Thr Pro Leu Ser Ser Thr Val Thr Leu Ser Met Ser Ala Asp
225 230 235 240

Val Pro Leu Val Val Glu Tyr Lys Ile Ala Asp Met Gly His Leu Lys
245 250 255

Tyr Tyr Leu Ala Pro Lys Ile Glu Asp Glu Glu Gly Ser
260 265

<210> 5904
<211> 211
<212> PRT
<213> Homo sapiens

<400> 5904
Asn Lys Met Lys Lys Val Arg Leu Lys Glu Leu Glu Ser Arg Leu Gln
1 5 10 15

Gln Val Asp Gly Phe Glu Lys Pro Lys Leu Leu Leu Glu Gln Tyr Pro
20 25 30

Thr Arg Pro His Ile Ala Ala Cys Met Leu Tyr Thr Ile His Asn Thr
35 40 45

Tyr Asp Asp Ile Glu Asn Lys Val Val Ala Asp Leu Gly Cys Gly Cys
50 55 60

Gly Val Leu Ser Ile Gly Thr Ala Met Leu Gly Ala Gly Leu Cys Val
65 70 75 80

Gly Phe Asp Ile Asp Glu Asp Ala Leu Glu Ile Phe Asn Arg Asn Ala
85 90 95

Glu Glu Phe Glu Leu Thr Asn Ile Asp Met Val Gln Cys Asp Val Cys
100 105 110

Leu Leu Ser Asn Arg Met Ser Lys Ser Phe Asp Thr Val Ile Met Asn
115 120 125

Pro Pro Phe Gly Thr Lys Asn Asn Lys Gly Thr Asp Met Ala Phe Leu
130 135 140

BNSDOCID: <WO___0122920A2_I_>

```
Lys Thr Ala Leu Glu Met Ala Arg Thr Ala Val Tyr Ser Leu His Lys
145                 150                 155                 160

Ser Ser Thr Arg Glu His Val Gln Lys Lys Ala Ala Glu Trp Lys Ile
                165                 170                 175

Lys Ile Asp Ile Ile Ala Glu Leu Arg Tyr Asp Leu Pro Ala Ser Tyr
            180                 185                 190

Lys Phe His Lys Lys Lys Ser Val Asp Ile Glu Val Asp Leu Ile Arg
        195                 200                 205

Phe Ser Phe
    210
```

<210> 5905
<211> 77
<212> PRT
<213> Homo sapiens

<400> 5905

```
Lys Phe Leu Leu Lys Val Asn Phe Pro Glu Asn Gly Phe Leu Ser Pro
  1               5                  10                  15

Asp Lys Leu Ser Leu Leu Glu Lys Leu Leu Pro Glu Arg Lys Glu Val
             20                  25                  30

Glu Glu Thr Asp Glu Met Asp Gln Val Glu Leu Val Asp Phe Asp Pro
         35                  40                  45

Asn Gln Glu Arg Arg Arg His Tyr Asn Gly Glu Ala Tyr Glu Asp Asp
     50                  55                  60

Glu His His Pro Arg Gly Gly Val Gln Cys Gln Thr Ser
 65                  70                  75
```

<210> 5906
<211> 142
<212> PRT
<213> Homo sapiens

<400> 5906

```
Ser Trp Glu Thr Glu Lys Met Gln Thr Ala Gly Ala Leu Phe Ile Ser
  1               5                  10                  15

Pro Ala Leu Ile Arg Cys Cys Thr Arg Gly Leu Ile Arg Pro Val Ser
```

BNSDOCID: <WO__0122920A2 I >

```
            20                  25                  30

Ala Ser Phe Leu Asn Ser Pro Val Asn Ser Ser Lys Gln Pro Ser Tyr
         35                  40                  45

Ser Asn Phe Pro Leu Gln Val Ala Arg Arg Glu Phe Gln Thr Ser Val
     50                  55                  60

Val Ser Arg Asp Ile Asp Thr Ala Ala Lys Phe Ile Gly Ala Gly Ala
 65                  70                  75                  80

Ala Thr Val Gly Val Ala Gly Ser Gly Ala Gly Ile Gly Thr Val Phe
                 85                  90                  95

Gly Ser Leu Ile Ile Gly Tyr Ala Arg Asn Pro Ser Leu Lys Gln Gln
            100                 105                 110

Leu Phe Ser Tyr Ala Ile Leu Gly Phe Ala Leu Ser Glu Ala Met Gly
        115                 120                 125

Leu Phe Cys Leu Met Val Ala Phe Leu Ile Leu Phe Ala Met
    130                 135                 140
```

<210> 5907
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5907

```
Thr Cys Pro Phe Leu Gln Glu Phe Ser Leu Gly Met Trp Ser Cys Leu
  1               5                  10                  15

His Ala Val Leu Glu Leu Ile Asp Ser Gln Gln Gln Asp Arg Tyr Trp
             20                  25                  30

Cys Pro Pro Xaa Leu His Arg Ala Ala Ile Ala Phe Leu His Ala Leu
         35                  40                  45

Trp Gln Asp Arg Arg Asp Ser Ala Met Leu Val Leu Arg Thr Lys
     50                  55                  60
```

<210> 5908

<211> 61
<212> PRT
<213> Homo sapiens

<400> 5908
Arg Asn Lys Gly Val Arg Ala Asn Ile Gln Gln Leu Leu Ser Pro Val
1 5 10 15

Met Lys Phe Ile Gln Thr Lys Asp Gly Met Ser Leu Tyr Ile Ile Pro
20 25 30

Cys Asn Lys Tyr Ser Val Lys Leu Cys Trp Cys Asn Leu Thr Cys Phe
35 40 45

Cys Gln Ser Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60

<210> 5909
<211> 466
<212> PRT
<213> Homo sapiens

<400> 5909
Val Ser Pro Arg Ala Gly Gly Ala Gly Asn Asn Arg Gly Arg Ala His
1 5 10 15

Arg Ala Ser Ser Cys Ser Leu Pro Ala Pro Pro Ala Thr Leu Asp Pro
20 25 30

Arg Ile Pro Pro Ala Arg Leu Pro Ala Met Ala Asp Lys Glu Ala Ala
35 40 45

Phe Asp Asp Ala Val Glu Glu Arg Val Ile Asn Glu Glu Tyr Lys Ile
50 55 60

Trp Lys Lys Asn Thr Pro Phe Leu Tyr Asp Leu Val Met Thr His Ala
65 70 75 80

Leu Glu Trp Pro Ser Leu Thr Ala Gln Trp Leu Pro Asp Val Thr Arg
85 90 95

Pro Glu Gly Lys Asp Phe Ser Ile His Arg Leu Val Leu Gly Thr His
100 105 110

Thr Ser Asp Glu Gln Asn His Leu Val Ile Ala Ser Val Gln Leu Pro
115 120 125

Asn Asp Asp Ala Gln Phe Asp Ala Ser His Tyr Asp Ser Glu Lys Gly
130 135 140

```
Glu Phe Gly Gly Phe Gly Ser Val Ser Gly Lys Ile Glu Ile Glu Ile
145                 150                 155                 160

Lys Ile Asn His Glu Gly Glu Val Asn Arg Ala Arg Tyr Met Pro Gln
                165                 170                 175

Asn Pro Cys Ile Ile Ala Thr Lys Thr Pro Ser Ser Asp Val Leu Val
            180                 185                 190

Phe Asp Tyr Thr Lys His Pro Ser Lys Pro Asp Pro Ser Gly Glu Cys
        195                 200                 205

Asn Pro Asp Leu Arg Leu Arg Gly His Gln Lys Glu Gly Tyr Gly Leu
    210                 215                 220

Ser Trp Asn Pro Asn Leu Ser Gly His Leu Leu Ser Ala Ser Asp Asp
225                 230                 235                 240

His Thr Ile Cys Leu Trp Asp Ile Ser Ala Val Pro Lys Glu Gly Lys
                245                 250                 255

Val Val Asp Ala Lys Thr Ile Phe Thr Gly His Thr Ala Val Val Glu
            260                 265                 270

Asp Val Ser Trp His Leu Leu His Glu Ser Leu Phe Gly Ser Val Ala
        275                 280                 285

Asp Asp Gln Lys Leu Met Ile Trp Asp Thr Arg Ser Asn Asn Thr Ser
    290                 295                 300

Lys Pro Ser His Ser Val Asp Ala His Thr Ala Glu Val Asn Cys Leu
305                 310                 315                 320

Ser Phe Asn Pro Tyr Ser Glu Phe Ile Leu Ala Thr Gly Ser Ala Asp
                325                 330                 335

Lys Thr Val Ala Leu Trp Asp Leu Arg Asn Leu Lys Leu Lys Leu His
            340                 345                 350

Ser Phe Glu Ser His Lys Asp Glu Ile Phe Gln Val Gln Trp Ser Pro
        355                 360                 365

His Asn Glu Thr Ile Leu Ala Ser Ser Gly Thr Asp Arg Arg Leu Asn
    370                 375                 380

Val Trp Asp Leu Ser Lys Ile Gly Glu Glu Gln Ser Pro Glu Asp Ala
385                 390                 395                 400

Glu Asp Gly Pro Pro Glu Leu Leu Phe Ile His Gly Gly His Thr Ala
                405                 410                 415
```

```
Lys Ile Ser Asp Phe Ser Trp Asn Pro Asn Glu Pro Trp Val Ile Cys
            420                 425                 430

Ser Val Ser Glu Asp Asn Ile Met Gln Val Trp Gln Met Ala Glu Asn
        435                 440                 445

Ile Tyr Asn Asp Glu Asp Pro Glu Gly Ser Val Asp Pro Glu Gly Gln
    450                 455                 460

Gly Ser
465
```

<210> 5910
<211> 67
<212> PRT
<213> Homo sapiens

<400> 5910

```
Leu Leu Pro His Pro Phe Ser Cys Val His Val Ala Phe Ser Asn Pro
  1               5                  10                  15

Gly Gln Trp Phe Leu Pro Arg Pro Cys Thr Glu Ala Gly Cys Leu Pro
             20                  25                  30

Asp Pro Arg Arg Val Arg Glu Gly Arg Gly Ile Leu Leu Leu Glu Leu
         35                  40                  45

Gln Ala Leu Ala Glu Ala Val Ser His Thr Val Val Ser Ser Ala Trp
     50                  55                  60

Ala Gly Thr
 65
```

<210> 5911
<211> 212
<212> PRT
<213> Homo sapiens

<400> 5911

```
Glu Ile Ile Thr Asp Arg Gln Ser Gly Lys Lys Arg Gly Phe Gly Phe
  1               5                  10                  15

Val Thr Phe Asp Asp His Asp Pro Val Asp Lys Ile Val Leu Gln Lys
             20                  25                  30

Tyr His Thr Ile Asn Gly His Asn Ala Glu Val Arg Lys Ala Leu Ser
```

BNSDOCID: <WO_ 0122920A2 I >

```
          35                  40                  45

Arg Gln Glu Met Gln Glu Val Gln Ser Ser Arg Ser Gly Arg Gly Gly
      50                  55                  60

Asn Phe Gly Phe Gly Asp Ser Arg Gly Gly Gly Gly Asn Phe Gly Pro
 65                  70                  75                  80

Gly Pro Gly Ser Asn Phe Arg Gly Gly Ser Asp Gly Tyr Gly Ser Gly
                 85                  90                  95

Arg Gly Phe Gly Asp Gly Tyr Asn Gly Tyr Gly Gly Gly Pro Gly Gly
            100                 105                 110

Gly Asn Phe Gly Gly Ser Pro Gly Tyr Gly Gly Gly Arg Gly Gly Tyr
        115                 120                 125

Gly Gly Gly Gly Pro Gly Tyr Gly Asn Gln Gly Gly Gly Tyr Gly Gly
    130                 135                 140

Gly Tyr Asp Asn Tyr Gly Gly Gly Asn Tyr Gly Ser Gly Asn Tyr Asn
145                 150                 155                 160

Asp Phe Gly Asn Tyr Asn Gln Gln Pro Ser Asn Tyr Gly Pro Met Lys
                165                 170                 175

Ser Gly Asn Phe Gly Gly Ser Arg Asn Met Gly Gly Pro Tyr Gly Gly
            180                 185                 190

Gly Asn Tyr Gly Pro Gly Gly Ser Gly Gly Ser Gly Gly Tyr Gly Gly
        195                 200                 205

Arg Ser Arg Tyr
    210
```

<210> 5912
<211> 385
<212> PRT
<213> Homo sapiens

<400> 5912

```
His Leu Glu Pro Ala Gln Leu Val Ser Lys Lys His Lys Leu Arg Ser
  1               5                  10                  15

Gln Lys Arg Pro Arg Arg Cys Leu Trp Leu His Gln Ser Ser Arg Arg
             20                  25                  30

Thr Trp Leu Gly Pro Arg Arg Gly His Pro Leu Cys Arg Cys Pro Pro
         35                  40                  45
```

```
Arg Arg Pro Trp Leu Trp Leu Asp Arg Ser Gln Lys Leu Thr Ser Ser
     50                  55                  60

Ala Ser Ser Pro Ser Gln Pro Tyr Ser Val Gln Pro Leu His Leu Pro
 65                  70                  75                  80

Asp Gly Trp Ala Asp Pro Ala Gly Leu Arg Leu Arg Gly Val Phe Leu
                 85                  90                  95

Cys Leu Pro Arg Val Leu Gln Arg Arg Cys Pro Pro Gly Val Pro Asn
            100                 105                 110

Thr Ser Arg Ala Val Gln Glu Ala Ser Gly Arg Gly Arg Ala Ala Arg
        115                 120                 125

His Arg Asn Ser Leu Gln Arg Pro Cys Ser Arg Ser Gln Ser Pro Gly
    130                 135                 140

Gly Glu Glu Gly Met Ala Arg Ala Tyr Ala Val Val Cys Asp Cys Lys
145                 150                 155                 160

Leu Phe Leu Tyr Asp Leu Pro Glu Gly Lys Ser Thr Gln Pro Gly Val
                165                 170                 175

Ile Ala Ser Gln Val Leu Asp Leu Arg Asp Asp Glu Phe Ser Val Ser
            180                 185                 190

Ser Val Leu Ala Ser Asp Val Ile His Ala Thr Arg Arg Asp Ile Pro
        195                 200                 205

Cys Ile Phe Arg Val Thr Ala Ser Leu Leu Gly Ala Pro Ser Lys Thr
    210                 215                 220

Ser Ser Leu Leu Ile Leu Thr Glu Asn Glu Asn Glu Lys Arg Lys Trp
225                 230                 235                 240

Val Gly Ile Leu Glu Gly Leu Gln Ser Ile Leu His Lys Asn Arg Leu
                245                 250                 255

Arg Asn Gln Val Val His Val Pro Leu Glu Ala Tyr Asp Ser Ser Leu
            260                 265                 270

Pro Leu Ile Lys Ala Ile Leu Thr Ala Ala Ile Val Asp Ala Asp Arg
        275                 280                 285

Ile Ala Val Gly Leu Glu Glu Gly Leu Tyr Val Ile Glu Val Thr Arg
    290                 295                 300

Asp Val Ile Val Arg Ala Ala Asp Cys Lys Lys Val His Gln Ile Glu
305                 310                 315                 320
```

BNSDOCID: <WO _ 0122920A2_I_>

```
Leu Ala Pro Arg Glu Lys Ile Val Ile Leu Leu Cys Gly Arg Asn His
                325                 330                 335

His Val His Leu Tyr Pro Trp Ser Ser Leu Asp Gly Ala Glu Gly Ser
            340                 345                 350

Phe Asp Ile Lys Leu Pro Glu Thr Lys Gly Cys Gln Leu Met Ala Thr
        355                 360                 365

Ala Thr Leu Lys Arg Asn Ser Gly Thr Cys Leu Phe Val Ala Val Lys
    370                 375                 380

Arg
385
```

<210> 5913
<211> 39
<212> PRT
<213> Homo sapiens

<400> 5913

```
Thr Gln Ser Lys Trp Arg Leu Glu Val Gln Cys Gly Lys Glu Lys Gln
  1               5                  10                  15

Val Phe Ile Glu Ser Thr Asn Ser Thr Pro Phe Ile Asp Thr Glu Asn
            20                  25                  30

Val Glu Asn Pro Lys Phe Asp
        35
```

<210> 5914
<211> 321
<212> PRT
<213> Homo sapiens

<400> 5914

```
Glu Arg Thr Leu Gly Gln Pro Gly Phe Leu Gly Cys Pro Arg Gln Pro
  1               5                  10                  15

His Thr Ala Met His Tyr Pro Thr Ala Leu Leu Phe Leu Ile Leu Ala
            20                  25                  30

Asn Gly Ala Gln Ala Phe Arg Ile Cys Ala Phe Asn Ala Gln Arg Leu
        35                  40                  45

Thr Leu Ala Lys Val Ala Arg Glu Gln Val Met Asp Thr Leu Val Arg
```

50 55 60

Ile Leu Ala Arg Cys Asp Ile Met Val Leu Gln Glu Val Val Asp Ser
65 70 75 80

Ser Gly Ser Ala Ile Pro Leu Leu Leu Arg Glu Leu Asn Arg Phe Asp
85 90 95

Gly Ser Gly Pro Tyr Ser Thr Leu Ser Ser Pro Gln Leu Gly Arg Ser
100 105 110

Thr Tyr Met Glu Thr Tyr Val Tyr Phe Tyr Arg Ser His Lys Thr Gln
115 120 125

Val Leu Ser Ser Tyr Val Tyr Asn Asp Glu Asp Asp Val Phe Ala Arg
130 135 140

Glu Pro Phe Val Ala Gln Phe Ser Leu Pro Ser Asn Val Leu Pro Ser
145 150 155 160

Leu Val Leu Val Pro Leu His Thr Thr Pro Lys Ala Val Glu Lys Glu
165 170 175

Leu Asn Ala Leu Tyr Asp Val Phe Leu Glu Val Ser Gln His Trp Gln
180 185 190

Ser Lys Asp Val Ile Leu Leu Gly Asp Phe Asn Ala Asp Cys Ala Ser
195 200 205

Leu Thr Lys Lys Arg Leu Asp Lys Leu Glu Leu Arg Thr Glu Pro Gly
210 215 220

Phe His Trp Val Ile Ala Asp Gly Glu Asp Thr Thr Val Arg Ala Ser
225 230 235 240

Thr His Cys Thr Tyr Asp Arg Val Val Leu His Gly Glu Arg Cys Arg
245 250 255

Ser Leu Leu His Thr Ala Ala Ala Phe Asp Phe Pro Thr Ser Phe Gln
260 265 270

Leu Thr Glu Glu Glu Ala Leu Asn Ile Ser Asp His Tyr Pro Val Glu
275 280 285

Val Glu Leu Lys Leu Ser Gln Ala His Ser Val Gln Pro Leu Ser Leu
290 295 300

Thr Val Leu Leu Leu Leu Ser Leu Leu Ser Pro Gln Leu Cys Pro Ala
305 310 315 320

Ala

BNSDOCID: <WO_ 0122920A2_I >

<210> 5915
<211> 38
<212> PRT
<213> Homo sapiens

<400> 5915
Phe Ser Cys Leu Ser Leu Pro Ser Ser Trp Glu Asn Arg Pro Val Pro
1 5 10 15

Pro His Arg Ser Ser Phe Cys Ile Phe Ser Arg Asp Gly Val Ser Pro
20 25 30

Cys Trp Pro Gly Trp Ser
35

<210> 5916
<211> 359
<212> PRT
<213> Homo sapiens

<400> 5916
Ile Asn Leu Glu Glu Val Gly Thr Ile Cys Leu Gly Phe Phe Lys Ser
1 5 10 15

Ser Thr Asn Leu Ser Glu Phe Val Met Arg Lys Ile Gly Asp Leu Ala
20 25 30

Cys Ala Asn Ile Gln His Leu Ser Ser Arg Ser Leu Val Asn Ile Val
35 40 45

Lys Met Phe Arg Phe Thr His Val Asp His Ile Asn Phe Met Lys Gln
50 55 60

Ile Gly Glu Ile Ala Pro Gln Arg Ile Pro Ser Leu Gly Val Gln Gly
65 70 75 80

Val Met His Leu Thr Leu Tyr Cys Ser Ala Leu Arg Phe Leu Asn Glu
85 90 95

Gly Val Met Asn Ala Val Ala Ala Ser Leu Pro Pro Arg Val Ala His
100 105 110

Cys Arg Ser Lys Asp Val Ala Lys Ile Leu Trp Ser Phe Gly Thr Leu
115 120 125

```
Asn Tyr Lys Pro Pro Asn Ala Glu Glu Phe Tyr Ser Ser Leu Ile Ser
    130                 135                 140

Glu Ile His Arg Lys Met Pro Glu Phe Asn Gln Tyr Pro Glu His Leu
145                 150                 155                 160

Pro Thr Cys Leu Leu Gly Leu Ala Phe Leu Glu Tyr Phe Pro Val Glu
                165                 170                 175

Leu Ile Asp Phe Ala Leu Ser Pro Gly Phe Val Arg Leu Ala Gln Glu
            180                 185                 190

Arg Thr Lys Phe Asp Leu Leu Lys Glu Leu Tyr Thr Leu Asp Gly Thr
        195                 200                 205

Val Gly Ile Glu Cys Pro Asp Tyr Arg Gly Asn Arg Leu Ser Thr His
    210                 215                 220

Leu Gln Gln Glu Gly Ser Glu Leu Leu Trp Tyr Leu Ala Glu Lys Asp
225                 230                 235                 240

Met Asn Ser Lys Pro Glu Phe Leu Glu Thr Val Phe Leu Leu Glu Thr
                245                 250                 255

Met Leu Gly Gly Pro Gln Tyr Val Lys His His Met Ile Leu Pro His
            260                 265                 270

Thr Arg Ser Ser Asp Leu Glu Val Gln Leu Asp Val Asn Leu Lys Pro
        275                 280                 285

Leu Pro Phe Asn Arg Glu Ala Thr Pro Ala Glu Asn Val Ala Lys Leu
    290                 295                 300

Arg Leu Glu His Val Gly Val Ser Leu Thr Asp Asp Leu Met Asn Lys
305                 310                 315                 320

Leu Leu Lys Gly Lys Ala Arg Gly His Phe Gln Gly Lys Thr Glu Ser
                325                 330                 335

Glu Pro Gly Gln Gln Pro Trp Ser Trp Arg Ile Arg Gln Leu Tyr Leu
            340                 345                 350

Trp Gly Ala Ser Phe Ala Met
        355
```

<210> 5917
<211> 82
<212> PRT
<213> Homo sapiens

<400> 5917
Phe Gly Leu Phe Cys Thr Leu Tyr Lys Trp Thr His Ile Met Phe Ile
1 5 10 15

Phe Trp Val Cys Leu Leu Ser Phe Asn Ile Arg Phe Val Gly Ser Ser
20 25 30

Leu Leu Cys Val Val Leu Ser Cys Ser Leu Tyr Ser Val Pro Lys Tyr
35 40 45

Ser Ile Leu Gln Phe Thr His Ser Thr Leu Asp Ser Lys Cys Phe His
50 55 60

Ile Trp Ala Ile Thr Asn Ser Ala Ala Val Asn Ile His Ile His Ile
65 70 75 80

Phe Trp

<210> 5918
<211> 111
<212> PRT
<213> Homo sapiens

<400> 5918
Ala Phe Leu Pro Ala Gly Pro Ser Gly Phe Pro Ser Gly Pro Gly Cys
1 5 10 15

Val Trp Lys Cys His Leu Gly Ala Arg Ala Trp Met Ser Ala Ser Gly
20 25 30

Leu Cys Leu Ala Pro Tyr Pro Thr Val Ala Glu Leu Val Tyr Lys Leu
35 40 45

Gln Asp Ser Leu Leu Tyr Ser Ser Ser Ser Ser Pro Val Ala Glu Arg
50 55 60

Arg Asn Leu Ser Gln Ser Cys Glu Leu Tyr Cys Leu Gly Leu Gly Glu
65 70 75 80

Gly Trp His Lys His Ser Leu Ser His Pro Gly Trp Cys Leu Thr Asn
85 90 95

Leu Cys Ala Pro Gln Val His Trp Leu Gln Gly Gln Arg Ser Thr
100 105 110

<210> 5919
<211> 441
<212> PRT
<213> Homo sapiens

<400> 5919

```
Arg Arg Arg Arg Ala Cys Arg Ser Ala Glu Gly Thr Gly Leu Arg Ser
  1               5                  10                  15

Leu Leu Leu Pro Pro Arg Leu Gln Leu Pro Ala Gly Pro Phe Ser Arg
             20                  25                  30

Cys Arg Trp Asp Pro Val Ser Ser Pro Arg Pro Ser Thr Met Pro Pro
         35                  40                  45

Lys Lys Gly Gly Asp Gly Ile Lys Pro Pro Pro Ile Ile Gly Arg Phe
     50                  55                  60

Gly Thr Ser Leu Lys Ile Gly Ile Val Gly Leu Pro Asn Val Gly Lys
 65                  70                  75                  80

Ser Thr Phe Phe Asn Val Leu Thr Asn Ser Gln Ala Ser Ala Glu Asn
                 85                  90                  95

Phe Pro Phe Cys Thr Ile Asp Pro Asn Glu Ser Arg Val Pro Val Pro
            100                 105                 110

Asp Glu Arg Phe Asp Phe Leu Cys Gln Tyr His Lys Pro Ala Ser Lys
        115                 120                 125

Ile Pro Ala Phe Leu Asn Val Val Asp Ile Ala Gly Leu Val Lys Gly
    130                 135                 140

Ala His Asn Gly Gln Gly Leu Gly Asn Ala Phe Leu Ser His Ile Ser
145                 150                 155                 160

Ala Cys Asp Gly Ile Phe His Leu Thr Arg Ala Phe Glu Asp Asp Asp
                165                 170                 175

Ile Thr His Val Glu Gly Ser Val Asp Pro Ile Arg Asp Ile Glu Ile
            180                 185                 190

Ile His Glu Glu Leu Gln Leu Lys Asp Glu Glu Met Ile Gly Pro Ile
        195                 200                 205

Ile Asp Lys Leu Glu Lys Val Ala Val Arg Gly Gly Asp Lys Lys Leu
    210                 215                 220

Lys Pro Glu Tyr Asp Ile Met Cys Lys Val Lys Ser Trp Val Ile Asp
225                 230                 235                 240
```

BNSDOCID: <WO_ _0122920A2 I >

```
Gln Lys Lys Pro Val Arg Phe Tyr His Asp Trp Asn Asp Lys Glu Ile
                245                 250                 255

Glu Val Leu Asn Lys His Leu Phe Leu Thr Ser Lys Pro Met Val Tyr
            260                 265                 270

Leu Val Asn Leu Ser Glu Lys Asp Tyr Ile Arg Lys Lys Asn Lys Trp
        275                 280                 285

Leu Ile Lys Ile Lys Glu Trp Val Asp Lys Tyr Asp Pro Gly Ala Leu
    290                 295                 300

Val Ile Pro Phe Ser Gly Ala Leu Glu Leu Lys Leu Gln Glu Leu Ser
305                 310                 315                 320

Ala Glu Glu Arg Gln Lys Tyr Leu Glu Ala Asn Met Thr Gln Ser Ala
                325                 330                 335

Leu Pro Lys Ile Ile Lys Ala Gly Phe Ala Ala Leu Gln Leu Glu Tyr
            340                 345                 350

Phe Phe Thr Ala Gly Pro Asp Glu Val Arg Ala Trp Thr Ile Arg Lys
        355                 360                 365

Gly Thr Lys Ala Pro Gln Ala Ala Gly Lys Ile His Thr Asp Phe Glu
    370                 375                 380

Lys Gly Phe Ile Met Ala Glu Val Met Lys Tyr Glu Asp Phe Lys Glu
385                 390                 395                 400

Glu Gly Ser Glu Asn Ala Val Lys Ala Ala Gly Lys Tyr Arg Gln Gln
                405                 410                 415

Gly Arg Asn Tyr Ile Val Glu Asp Gly Asp Ile Ile Phe Phe Lys Phe
            420                 425                 430

Asn Thr Pro Gln Gln Pro Lys Lys Lys
        435                 440
```

<210> 5920
<211> 275
<212> PRT
<213> Homo sapiens

<400> 5920

```
Gly Val Ala Leu Phe Lys Ser Ala Ala Gly Asp Gln Pro Thr Ala Ala
  1               5                  10                  15

Cys Ile Cys Ile Gln Arg Gln Val Pro Pro Val Pro Ala Ala Arg Ala
```

```
                20                  25                  30

Pro Gln Ser Arg Thr Arg Ser Ala Gln Ala Lys Leu Ala Leu Thr Met
            35                  40                  45

Pro Val Lys Gly Gly Thr Lys Cys Ile Lys Tyr Leu Leu Phe Gly Phe
        50                  55                  60

Asn Phe Ile Phe Trp Leu Ala Gly Ile Ala Val Leu Ala Ile Gly Leu
65                  70                  75                  80

Trp Leu Arg Phe Asp Ser Gln Thr Lys Ser Ile Phe Glu Gln Glu Thr
                85                  90                  95

Asn Asn Asn Asn Ser Ser Phe Tyr Thr Gly Val Tyr Ile Leu Ile Gly
            100                 105                 110

Ala Gly Ala Leu Met Met Leu Val Gly Phe Leu Gly Cys Cys Gly Ala
        115                 120                 125

Val Gln Glu Ser Gln Cys Met Leu Gly Leu Phe Phe Gly Phe Leu Leu
    130                 135                 140

Val Ile Phe Ala Ile Glu Ile Ala Ala Ala Ile Trp Gly Tyr Ser His
145                 150                 155                 160

Lys Asp Glu Val Ile Lys Glu Val Gln Glu Phe Tyr Lys Asp Thr Tyr
                165                 170                 175

Asn Lys Leu Lys Thr Lys Asp Glu Pro Gln Arg Glu Thr Leu Lys Ala
            180                 185                 190

Ile His Tyr Ala Leu Asn Cys Cys Gly Leu Ala Gly Gly Val Glu Gln
        195                 200                 205

Phe Ile Ser Asp Ile Cys Pro Lys Lys Asp Val Leu Glu Thr Phe Thr
    210                 215                 220

Val Lys Ser Cys Pro Asp Ala Ile Lys Glu Val Phe Asp Asn Lys Phe
225                 230                 235                 240

His Ile Ile Gly Ala Val Gly Ile Gly Ile Ala Val Val Met Ile Phe
                245                 250                 255

Gly Met Ile Phe Ser Met Ile Leu Cys Cys Ala Ile Arg Arg Asn Arg
            260                 265                 270

Glu Met Val
        275
```

<210> 5921
<211> 115
<212> PRT
<213> Homo sapiens

<400> 5921
Val Gly Cys Arg Pro Leu Ser Ser Cys His Leu Leu Ala Val Ala Arg
1 5 10 15

Ser Tyr Phe Ser Leu Ser Gly Val Ile Cys Ile Trp Arg Phe His Cys
20 25 30

Cys Phe Ser Leu Ser Tyr Leu Glu Trp Asn Pro Glu Ser Cys Pro Phe
35 40 45

Pro Pro Thr Cys Ser Tyr Leu Lys Ala Pro Glu Thr Tyr Trp Val Pro
50 55 60

Asp Ser Cys Phe Val Cys Ile Arg Arg Val Val Ala Cys His Leu Ala
65 70 75 80

Cys Phe Leu Asn Asn Pro Thr Ser Cys Pro Pro Cys Thr Tyr Ile Ala
85 90 95

Thr Ala Leu Ile Trp Ala Phe Phe Phe Leu Gly Gln Cys Leu Cys Pro
100 105 110

Asn Ser Glu
115

<210> 5922
<211> 291
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (217)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5922
His Gly Leu Cys Arg Leu Phe Asn Ser Pro Leu Lys Pro Leu Ala Asp
1 5 10 15

BNSDOCID: <WO__0122920A2_I >

```
Leu Asp Pro Val Val Val Thr Phe Trp Tyr Arg Ala Pro Glu Leu Leu
            20                  25                  30

Leu Gly Ala Arg His Tyr Thr Lys Ala Ile Asp Ile Trp Ala Ile Gly
        35                  40                  45

Cys Ile Phe Ala Glu Leu Leu Thr Ser Glu Pro Xaa Phe His Cys Arg
    50                  55                  60

Gln Glu Asp Ile Lys Thr Ser Asn Pro Tyr His His Asp Gln Leu Asp
65                  70                  75                  80

Arg Ile Phe Asn Val Met Gly Phe Pro Ala Asp Lys Asp Trp Glu Asp
                85                  90                  95

Ile Lys Lys Met Pro Glu His Ser Thr Leu Met Lys Asp Phe Arg Arg
            100                 105                 110

Asn Thr Tyr Thr Asn Cys Ser Leu Ile Lys Tyr Met Glu Lys His Lys
        115                 120                 125

Val Lys Pro Asp Ser Lys Ala Phe His Leu Leu Gln Lys Leu Leu Thr
    130                 135                 140

Met Asp Pro Ile Lys Arg Ile Thr Ser Glu Gln Ala Met Gln Asp Pro
145                 150                 155                 160

Tyr Phe Leu Glu Asp Pro Leu Pro Thr Ser Asp Val Phe Ala Gly Cys
                165                 170                 175

Gln Ile Pro Tyr Pro Lys Arg Glu Phe Leu Thr Glu Glu Glu Pro Asp
            180                 185                 190

Asp Lys Gly Asp Lys Lys Asn Gln Gln Gln Gln Gly Asn Asn His
        195                 200                 205

Thr Asn Gly Thr Gly His Pro Gly Xaa Gln Asp Ser Ser His Thr Gln
    210                 215                 220

Gly Pro Pro Leu Lys Lys Val Arg Val Val Pro Pro Thr Thr Thr Ser
225                 230                 235                 240

Gly Gly Leu Ile Met Thr Ser Asp Tyr Gln Arg Ser Asn Pro His Ala
                245                 250                 255

Ala Tyr Pro Asn Pro Gly Pro Ser Thr Ser Gln Pro Gln Ser Ser Met
            260                 265                 270

Gly Tyr Ser Ala Thr Ser Gln Gln Pro Pro Gln Tyr Ser His Gln Thr
        275                 280                 285
```

His Arg Tyr
290

<210> 5923
<211> 100
<212> PRT
<213> Homo sapiens

<400> 5923
Arg Pro Pro Ser Arg Trp Ser Trp Trp Gln Gly Lys Pro Thr Gly Gly
1 5 10 15

Val Cys Val Ala Ala Ala Arg Ser Ser Pro Ser Val Thr Ala Pro Thr
20 25 30

Ser Ser Asn Ala Leu Ala Tyr Leu His Ser Ser Ser Arg Pro Lys Arg
35 40 45

Pro Ala Trp Trp His Ser Val Pro Ala Arg Pro Leu Arg Gly Pro Arg
50 55 60

Thr Ala Met Ala Pro Thr Gly Val Ser Ala Cys Arg Arg Gln Lys Trp
65 70 75 80

Ala Pro His Ser Glu Gly Ala Ala Ala Val Gln Pro Gln Val Ala Leu
85 90 95

Ala Pro Gly Leu
100

<210> 5924
<211> 241
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5924

```
Tyr Arg Pro Gly Pro Leu Thr Ser Gln Gly Met Asn Xaa Ser Arg Gln
 1               5                  10                  15

Xaa Pro Xaa Leu Asn Leu Leu Pro Ser Ser Ala His Phe Arg Pro Ser
            20                  25                  30

Thr Tyr Lys Lys Ser Ser Gly Pro Leu Lys Ala Xaa Lys Leu Ile Ile
        35                  40                  45

His Trp Asn Cys Trp Glu Asp Ser Leu Ser Gly Ile Ala Met Asn Val
    50                  55                  60

Pro Ala Ser Arg Gly Ser Asn Leu Asn Ser Ser Gly Ala Asn Arg Thr
65                  70                  75                  80

Ser Leu Ser Gly Gly Thr Gly Ser Gly Thr Gln Gly Ala Thr Lys Pro
                85                  90                  95

Leu Ser Thr Pro His Arg Pro Ser Thr Ala Ser Gly Ser Ser Val Val
            100                 105                 110

Thr Ala Ser Val Gln Lys Leu Ile His Thr Glu Asp Pro Phe Asn Asp
        115                 120                 125

Glu His Gln Glu Arg Gln Glu Val Glu Met Leu Ala Lys Lys Phe Glu
    130                 135                 140

Met Lys Tyr Tyr Asp Glu Leu Val Pro Ala Ser Leu Thr Thr Lys Tyr
145                 150                 155                 160

Gly Gly Phe Tyr Ile Asn Thr Gly Thr Leu Gln Phe Arg Gln Ala Ser
                165                 170                 175

Asp Thr Glu Glu Asp Asp Ile Thr Asp Asn Gln Lys His Lys Pro Pro
            180                 185                 190

Lys Val Pro Lys Ile Lys Glu Asp Asp Ile Glu Met Lys Lys Arg Lys
        195                 200                 205

Arg Lys Glu Glu Gly Glu Lys Glu Lys Lys Pro Arg Lys Lys Val Pro
    210                 215                 220
```

BNSDOCID: <WO__ 0122920A2_I_>

```
Lys Gln Leu Gly Val Val Ala Leu Asn Ser His Lys Ser Glu Lys Lys
225                 230                 235                 240

Lys
```

<210> 5925
<211> 330
<212> PRT
<213> Homo sapiens

<400> 5925

```
Ala Gly Ser Arg Cys Pro Ala Trp Arg Ala Arg Ser Ala Cys Arg Trp
  1               5                  10                  15

Pro Leu Ala Arg Cys Ser Ser Pro Gly Cys Asp Ser Gly Phe Gly Lys
            20                  25                  30

Glu Thr Ala Lys Lys Leu Asp Ser Met Gly Phe Thr Val Leu Ala Thr
        35                  40                  45

Val Leu Glu Leu Asn Ser Pro Gly Ala Ile Glu Leu Arg Thr Cys Cys
    50                  55                  60

Ser Pro Arg Leu Arg Leu Leu Gln Met Asp Leu Thr Lys Pro Gly Asp
65                  70                  75                  80

Ile Ser Arg Val Leu Glu Phe Thr Lys Ala His Thr Thr Ser Thr Gly
                85                  90                  95

Leu Trp Gly Leu Val Asn Asn Ala Gly His Asn Glu Val Val Ala Asp
            100                 105                 110

Ala Glu Leu Ser Pro Val Ala Thr Phe Arg Ser Cys Met Glu Val Asn
        115                 120                 125

Phe Phe Gly Ala Leu Glu Leu Thr Lys Gly Leu Leu Pro Leu Leu Arg
    130                 135                 140

Ser Ser Arg Gly Arg Ile Val Thr Val Gly Ser Pro Ala Gly Asp Met
145                 150                 155                 160

Pro Tyr Pro Cys Leu Gly Ala Tyr Gly Thr Ser Lys Ala Ala Val Ala
                165                 170                 175

Leu Leu Met Asp Thr Phe Ser Cys Glu Leu Leu Pro Trp Gly Val Lys
            180                 185                 190
```

Val Ser Ile Ile Gln Pro Gly Cys Phe Lys Thr Glu Ser Val Arg Asn
195 200 205

Val Gly Gln Trp Glu Lys Arg Lys Gln Leu Leu Leu Ala Asn Leu Pro
210 215 220

Gln Glu Leu Leu Gln Ala Tyr Gly Lys Asp Tyr Ile Glu His Leu His
225 230 235 240

Gly Gln Phe Leu His Ser Leu Arg Leu Ala Met Ser Asp Leu Thr Pro
245 250 255

Val Val Asp Ala Ile Thr Asp Ala Leu Leu Ala Ala Arg Pro Arg Arg
260 265 270

Arg Tyr Tyr Pro Gly Gln Gly Leu Gly Leu Met Tyr Phe Ile His Tyr
275 280 285

Tyr Leu Pro Glu Gly Leu Arg Ala Ala Ser Cys Arg Pro Ser Ser Ser
290 295 300

Val Thr Val Cys Leu Glu His Cys Ser Leu Ala Ser Leu Ala Leu Pro
305 310 315 320

His His Arg Thr Gln Pro Arg Thr Gln Thr
325 330

<210> 5926
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5926
Cys Xaa His Met Val Ile Met Cys Asp Trp Ile Met Lys Ile Ile Val

```
  1               5                  10                  15

Val Cys Val Gly Thr Arg Asp Cys Pro Val Ser Arg Thr Pro Ala His
            20                  25                  30

Tyr Leu Ser Ile Leu Gln Pro Phe Ile Trp Lys Leu Pro Thr Ser Leu
        35                  40                  45

Cys Cys Val Cys Leu His Met Xaa Gly Phe Ala Val Leu Ala Leu Thr
    50                  55                  60

Ala His Arg Glu Cys Arg Pro His Pro Asn Pro His Gln Leu Pro Leu
65                  70                  75                  80

Glu Xaa Gln Asn Leu Gly Trp Gly
                85
```

<210> 5927
<211> 40
<212> PRT
<213> Homo sapiens

<400> 5927

```
Arg Tyr His Ile Leu Ser Gly Ile Ser Pro Pro Ala Leu Trp Leu Leu
  1               5                  10                  15

Val Glu Arg Leu Phe Gly Tyr Gly Leu Ala Val Glu Lys Ile Gln Val
            20                  25                  30

Ile Leu Leu Asn Asp Phe Thr Phe
        35                  40
```

<210> 5928
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5928

```
Thr Phe Pro Asn Gly Ala Phe Ala Leu Ile Ser Lys Leu Thr Ala Arg
  1               5                  10                  15

Asp Ala Phe Leu Tyr Phe Asp Cys Phe Thr Val Glu Gly Gln Ile Pro
```

20 25 30

Arg Leu Ser Lys Val Asn Leu Phe Thr Leu Leu Ser Leu Trp Met Glu
35 40 45

Leu Phe Pro Ala Glu Ala Gln Arg Gln Lys Ser Gln Lys Asn Glu Glu
50 55 60

Gly Lys His Gly Pro Leu Gly Asp Asn Glu Glu Arg Thr Arg Val Ser
65 70 75 80

Thr Asp Lys Arg Gln Lys Thr Met Phe Cys Leu Phe Glu Asn Asp Xaa
85 90 95

Lys Cys Lys Ala Leu Thr Val Met Ile Arg Ser Met Ser Arg Ser Val
100 105 110

Pro

<210> 5929
<211> 52
<212> PRT
<213> Homo sapiens

<400> 5929
Cys Ile Gly Pro Lys Cys Lys Leu His Trp Ser Asp Leu Glu Ala Phe
1 5 10 15

Met Leu Thr Ser Phe Gly Lys Val Lys Asn Asn Lys Ile Ile Leu Asp
20 25 30

Phe Ile Leu Tyr Ile Lys Ile Tyr Leu Leu Arg Lys Gln Ser Val Tyr
35 40 45

Tyr Leu Leu Val
50

<210> 5930
<211> 89
<212> PRT
<213> Homo sapiens

<400> 5930
Ala Glu Gln Glu Glu His Gly Lys Arg Lys Lys Lys Gly Lys Gly Leu
1 5 10 15

```
Gly Lys Lys Arg Asp Pro Cys Leu Arg Lys Tyr Lys Asp Phe Cys Ile
            20                  25                  30

His Gly Glu Cys Lys Tyr Val Lys Glu Leu Arg Ala Pro Ser Cys Ile
        35                  40                  45

Cys His Pro Gly Tyr His Gly Glu Arg Cys His Gly Leu Ser Leu Pro
    50                  55                  60

Val Glu Asn Arg Leu Tyr Thr Tyr Asp His Thr Thr Ile Leu Ala Val
65                  70                  75                  80

Val Ala Val Val Leu Asp Leu Met Ser
                85
```

<210> 5931
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5931

```
Glu Ser Pro Thr Ile Val Lys Ala Gly Thr Pro Ala Gly Thr Gly Pro
  1               5                  10                  15

Glu Phe Pro Gly Arg Pro Thr Arg Pro Pro Thr Arg Pro Gly Leu Leu
            20                  25                  30

Glu Pro Trp Thr Ser Lys Gly Val Glu Ile Ala Ala Ala Pro His Tyr
        35                  40                  45

Lys His Leu Gly Leu Glu Ala Thr Glu Tyr His Phe Leu His Ile Leu
    50                  55                  60

Leu Xaa Lys Ala Gly Gly Glu Pro Ala Leu Thr Lys Arg Val Gly Asp
65                  70                  75                  80

Gln Thr Phe Thr Ser
                85
```

<210> 5932
<211> 155
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5932

```
Glu Trp Thr Glu Gly Gln Thr Val Gln Gly Arg Glu Asp His Trp Gly
  1               5                  10                  15

Arg Glu Val Thr Xaa Arg Glu Val Ser Val Gly Arg Gly Glu Thr Lys
             20                  25                  30

Glu Lys Ile Glu Glu Gln Lys Ala Leu Ala Leu Gln Leu Gln Asn Gln
         35                  40                  45

Arg Leu Gln Glu Arg Glu His Ser Val His Asp Ser Val Glu Leu His
     50                  55                  60

Leu Arg Val Pro Leu Glu Lys Glu Ile Pro Val Thr Val Val Gln Glu
 65                  70                  75                  80

Thr Gln Lys Lys Gly His Lys Leu Thr Asp Ser Glu Asp Glu Phe Pro
                 85                  90                  95

Glu Ile Thr Glu Glu Met Glu Lys Glu Ile Lys Asn Val Phe Arg Asn
            100                 105                 110

Gly Asn Gln Asp Glu Val Leu Ser Glu Ala Phe Arg Leu Thr Ile Thr
        115                 120                 125

Arg Lys Asp Ile Gln Thr Leu Asn His Leu Asn Trp Leu Asn Asp Glu
    130                 135                 140

Ile Ile Asn Phe Tyr Met Asn Met Leu Met Gly
145                 150                 155
```

<210> 5933
<211> 150
<212> PRT
<213> Homo sapiens

<400> 5933

```
Gly Thr Thr Thr Arg Asp Phe Thr Gln Leu Asn Glu Leu Gln Cys Arg
  1               5                  10                  15

Phe Pro Arg Arg Leu Val Val Leu Gly Phe Pro Cys Asn Gln Phe Gly
             20                  25                  30
```

BNSDOCID: <WO 0122920A2_I_>

```
His Gln Glu Asn Cys Gln Asn Glu Glu Ile Leu Asn Ser Leu Lys Tyr
          35                  40                  45

Val Arg Pro Gly Gly Gly Tyr Gln Pro Thr Phe Thr Leu Val Gln Lys
      50                  55                  60

Cys Glu Val Asn Gly Gln Asn Glu His Pro Val Phe Ala Tyr Leu Lys
 65                  70                  75                  80

Asp Lys Leu Pro Tyr Pro Tyr Asp Asp Pro Phe Ser Leu Met Thr Asp
                 85                  90                  95

Pro Lys Leu Ile Ile Trp Ser Pro Val Arg Arg Ser Asp Val Ala Trp
            100                 105                 110

Asn Phe Glu Lys Phe Leu Ile Gly Pro Glu Gly Glu Pro Phe Arg Arg
        115                 120                 125

Tyr Ser Arg Thr Phe Pro Thr Ile Asn Ile Glu Pro Asp Ile Lys Arg
    130                 135                 140

Leu Leu Lys Val Ala Ile
145                 150
```

<210> 5934
<211> 67
<212> PRT
<213> Homo sapiens

<400> 5934

```
His Ile Arg Thr Gly Glu Arg Glu Arg Arg Gly Leu Phe Phe Cys Ser
  1               5                  10                  15

Ile Phe Gln Ser His Ile Arg Val Ile Leu Asn Cys Asn Lys Asp Gln
             20                  25                  30

Leu Leu Lys Ile Ser Leu Leu Lys Ile Gln Asn Asp Leu Ser Ile Leu
         35                  40                  45

Lys Ile Ile Tyr Leu Pro Cys Ser Cys Leu Leu Thr Leu Ala Ile Ser
     50                  55                  60

Trp Arg Gly
 65
```

<210> 5935

BNSDOCID: <WO___0122920A2 I >

<211> 107
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5935
Ile Leu Gly Asp Thr Ile Glu Gly Thr Pro Ala Gly Thr Gly Pro Glu
1 5 10 15

Phe Pro Gly Arg Pro Thr Arg Pro Xaa Thr Val Arg Leu Ser Ala Ile
20 25 30

Asp Gly Ala Leu Leu Trp Cys Leu Leu Glu Val Tyr Cys His Tyr Arg
35 40 45

Glu Pro Cys Leu Leu Ala Ser Leu Asp Leu Tyr Ser Lys Gln Ser Val
50 55 60

Ser Asp Asp Lys Phe Cys Arg Arg Val Tyr Ser Glu Pro Leu Thr Ser
65 70 75 80

Cys Lys Gly Lys Met Gly Gly Leu Pro Glu Ile Pro Leu Lys Gln Gly
85 90 95

Gly Leu Trp Gly Gly Arg Leu Gly Tyr Leu Ser
100 105

<210> 5936
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5936
Arg Ala Leu Trp Phe Phe Ser Ser Arg Gly His Asp Ala Ser Gln Ile
1 5 10 15

Thr Leu Ala Leu Xaa Thr Ala Ala Ser Tyr Pro Arg Ala Cys Gln Ala
20 25 30

Leu Gly Ala Met Leu Ser Lys Gly Ala Leu Asn Pro Ala Asp Ile Thr

BNSDOCID: <WO _ 0122920A2_I_>

35 40 45

Val Leu Phe Lys Met Phe Thr Ser Met Asp Pro Pro Pro Val Glu Leu
50 55 60

Glu Val Ala Ser Gln Glu Ser Pro Met Ser Ala Gly Lys Val Thr Leu
65 70 75 80

Glu Ser Leu Cys Leu Ser Asp Cys Leu Lys Ala Val Asn Ala Asn Pro
85 90 95

Ser Leu Ser Trp Ser Phe Leu Ser His Thr Leu Cys Leu Glu Pro Val
100 105 110

Gly Pro Leu Leu Cys Arg Asp Thr Leu Arg Gly Gly Gly
115 120 125

<210> 5937
<211> 223
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5937
Arg His Cys Leu Pro Pro Thr Pro Pro Gln Gly Cys Gly Leu Pro Ala
1 5 10 15

Leu Gly Gly Gln Ala Met Leu Thr Leu His Gly Gly His Ser Ser Arg
20 25 30

Glu Ala Xaa Lys Val Val Asn Ser Ile Leu Ala Phe Arg Glu Lys Glu
35 40 45

Trp Gln Arg Leu Gln Ser Asn Pro His Leu Lys Glu Gly Ser Val Thr
50 55 60

Ser Val Asn Leu Thr Lys Leu Glu Gly Gly Val Ala Tyr Asn Val Ile
65 70 75 80

Pro Ala Thr Met Ser Ala Ser Phe Asp Phe Arg Val Ala Pro Asp Val
85 90 95

Asp Phe Lys Ala Phe Glu Glu Gln Leu Gln Ser Trp Cys Gln Ala Ala
100 105 110

```
Gly Glu Gly Val Thr Leu Glu Phe Ala Gln Lys Trp Met His Pro Gln
        115                 120                 125

Val Thr Pro Thr Asp Asp Ser Asn Pro Trp Trp Ala Ala Phe Ser Arg
    130                 135                 140

Val Cys Lys Asp Met Asn Leu Thr Leu Glu Pro Glu Ile Met Pro Ala
145                 150                 155                 160

Ala Thr Asp Asn Arg Tyr Ile Arg Ala Val Gly Val Pro Ala Leu Gly
                165                 170                 175

Phe Ser Pro Met Asn Arg Thr Pro Val Leu Leu His Asp His Asp Glu
            180                 185                 190

Arg Leu His Glu Ala Val Phe Leu Arg Gly Val Asp Ile Tyr Thr Arg
        195                 200                 205

Leu Leu Pro Ala Leu Ala Ser Val Pro Ala Leu Pro Ser Asp Ser
    210                 215                 220
```

<210> 5938
<211> 86
<212> PRT
<213> Homo sapiens

<400> 5938

```
Ala Leu Cys Pro Pro Arg Gly Thr Ala Ser Gly Pro Arg His Thr Leu
  1               5                  10                  15

Trp Leu Asn Gln Gly Leu Gln Gly Pro Cys Gly Pro Ala Gln Ala Leu
             20                  25                  30

Met Gly Arg His Val Arg Ser Trp Arg Thr Gln Ala Pro Phe Leu Ser
         35                  40                  45

Gly Val Val Phe Phe Leu Cys Pro Gly Ala Ser Pro Ser Ser Asn Gly
     50                  55                  60

Pro Phe Ala Arg Phe Gly Val Pro Leu Ala Gly Pro Ile Arg Thr Leu
 65                  70                  75                  80

Arg Ser Asn Gln Gly Arg
                85
```

<210> 5939
<211> 130

<212> PRT
<213> Homo sapiens

<400> 5939
Arg Arg Asp Ala Cys Pro Ile Ser Arg Glu Pro Pro Thr Arg Pro Trp
1 5 10 15

Gly Thr Thr Ser Thr Leu Leu Leu Ser Leu Gln Ser Pro Val Pro Arg
20 25 30

Met Gly His Leu Gln Pro Leu Ala Leu Pro Gln Phe Leu His Leu Pro
35 40 45

Ala Ala Ala Pro Arg Asn Trp Ala Pro Ser Ser Arg Ala Trp Pro Ala
50 55 60

Cys Ala Pro Arg Ser Arg Pro Gly Arg Ala Ala Val Phe Leu Lys Tyr
65 70 75 80

Ala Arg Pro Gln Arg Gln Gly Thr Ser Leu Ala Ala Ala Leu Pro Ala
85 90 95

Ala Ala Ser Ser Leu Ser Leu Pro Glu Tyr Trp Asp Ser Val Thr Lys
100 105 110

Lys Ser Thr Thr Lys Asn Lys Thr Leu Pro Val Cys Val Arg Leu Ser
115 120 125

Ser Gln
130

<210> 5940
<211> 148
<212> PRT
<213> Homo sapiens

<400> 5940
Gly Arg Thr Cys Lys Lys Glu Leu Thr Arg Lys Asp Thr Ile Met Ala
1 5 10 15

His Val Thr Glu Phe His Asn Gly His Arg Tyr Phe Tyr Glu Met Asp
20 25 30

Glu Val Glu Gly Glu Thr Leu Pro Ser Ser Ser Thr Thr Leu Asp Asn
35 40 45

Leu Thr Ala Asn Lys Pro Ser Ser Ala Ile Thr Val Ile Asp His Ser
50 55 60

```
Pro Ala Asn Ser Ser Pro Arg Gly Lys Trp Gln Cys Arg Ile Cys Glu
 65                  70                  75                  80

Asp Met Phe Asp Ser Gln Glu Tyr Val Lys Gln His Cys Met Ser Leu
                 85                  90                  95

Ala Ser His Lys Phe His Arg Tyr Ser Cys Ala His Cys Arg Lys Pro
            100                 105                 110

Phe His Lys Ile Glu Thr Leu Tyr Arg His Cys Gln Asp Glu His Asp
        115                 120                 125

Asn Glu Ile Lys Ile Lys Tyr Phe Cys Gly Leu Cys Asp Leu Ile Phe
    130                 135                 140

Asn Val Glu Glu
145
```

<210> 5941
<211> 268
<212> PRT
<213> Homo sapiens

<400> 5941

```
Pro Gly Arg Pro Thr Arg Pro Arg Thr Arg Gly Ile Asn Lys Leu Ile
  1               5                  10                  15

Arg Ile Gly Arg Asn Glu Cys Val Val Val Ile Arg Val Asp Lys Glu
             20                  25                  30

Lys Gly Tyr Ile Asp Leu Ser Lys Arg Arg Val Ser Pro Glu Glu Ala
         35                  40                  45

Ile Lys Cys Glu Asp Lys Phe Thr Lys Ser Lys Thr Val Tyr Ser Ile
     50                  55                  60

Leu Arg His Val Ala Glu Val Leu Glu Tyr Thr Lys Asp Glu Gln Leu
 65                  70                  75                  80

Glu Ser Leu Phe Gln Arg Thr Ala Trp Val Phe Asp Asp Lys Tyr Lys
                 85                  90                  95

Arg Pro Gly Tyr Gly Ala Tyr Asp Ala Phe Lys His Ala Val Ser Asp
            100                 105                 110

Pro Ser Ile Leu Asp Ser Leu Asp Leu Asn Glu Asp Glu Arg Glu Val
        115                 120                 125

Leu Ile Asn Asn Ile Asn Arg Arg Leu Thr Pro Gln Ala Val Lys Ile
```

BNSDOCID: <WO_ 0122920A2 I >

```
    130                 135                 140

Arg Ala Asp Ile Glu Val Ala Cys Tyr Gly Tyr Glu Gly Ile Asp Ala
145                 150                 155                 160

Val Lys Glu Ala Leu Arg Ala Gly Leu Asn Cys Ser Thr Glu Asn Met
                165                 170                 175

Pro Ile Lys Ile Asn Leu Ile Ala Pro Pro Arg Tyr Val Met Thr Thr
            180                 185                 190

Thr Thr Leu Glu Arg Thr Glu Gly Leu Ser Val Leu Ser Gln Ala Met
        195                 200                 205

Ala Val Ile Lys Glu Lys Ile Glu Glu Lys Arg Gly Val Phe Asn Val
    210                 215                 220

Gln Met Glu Pro Lys Val Val Thr Asp Thr Asp Glu Thr Glu Leu Ala
225                 230                 235                 240

Arg Gln Met Glu Arg Leu Glu Arg Glu Asn Ala Glu Val Asp Gly Asp
                245                 250                 255

Asp Asp Ala Glu Glu Met Glu Ala Lys Ala Glu Asp
            260                 265
```

<210> 5942
<211> 249
<212> PRT
<213> Homo sapiens

<400> 5942

```
Ser Arg Glu Ile Asp Ile Ile His Val Ile Lys Asn Met Gly Phe Asn
  1               5                  10                  15

Leu Thr Phe His Leu Ser Tyr Lys Phe Arg Leu Leu Leu Leu Leu Thr
            20                  25                  30

Leu Cys Leu Thr Val Val Gly Trp Ala Thr Ser Asn Tyr Phe Val Gly
        35                  40                  45

Ala Ile Gln Glu Ile Pro Lys Ala Lys Glu Phe Met Ala Asn Phe His
    50                  55                  60

Lys Thr Leu Ile Leu Gly Lys Gly Lys Thr Leu Thr Asn Glu Ala Ser
65                  70                  75                  80

Thr Lys Lys Val Glu Leu Asp Asn Cys Pro Ser Val Ser Pro Tyr Leu
                85                  90                  95
```

```
Arg Gly Gln Ser Lys Leu Ile Phe Lys Pro Asp Leu Thr Leu Glu Glu
            100                 105                 110

Val Gln Ala Glu Asn Pro Lys Val Ser Arg Gly Arg Tyr Arg Pro Gln
        115                 120                 125

Glu Cys Lys Ala Leu Gln Arg Val Ala Ile Leu Val Pro His Arg Asn
    130                 135                 140

Arg Glu Lys His Leu Met Tyr Leu Leu Glu His Leu His Pro Phe Leu
145                 150                 155                 160

Gln Arg Gln Gln Leu Asp Tyr Gly Ile Tyr Val Ile His Gln Ala Glu
                165                 170                 175

Gly Lys Lys Phe Asn Arg Ala Lys Leu Leu Asn Val Gly Tyr Leu Glu
            180                 185                 190

Ala Leu Lys Glu Glu Asn Trp Asp Cys Phe Ile Phe His Asp Val Thr
        195                 200                 205

Trp Tyr Pro Arg Met Thr Leu Thr Phe Thr Ser Val Arg Ser Ile Pro
    210                 215                 220

Ser Ile Trp Trp Leu Ala Gly Thr Ala Leu Gly Thr Gly Tyr Val Thr
225                 230                 235                 240

Val Asp Ile Leu Gly Val Leu Leu Pro
                245
```

<210> 5943
<211> 25
<212> PRT
<213> Homo sapiens

```
<400> 5943
Gln Ala Pro Arg Arg Pro Ser Pro Ala Ser Leu Cys Gly Pro Arg Arg
  1               5                  10                  15

Pro Ala Ala Pro Glu Leu Leu Thr Val
            20                  25
```

<210> 5944
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5944
Gln Gly Gly Asp Pro Trp Val Val Arg Gln Leu Trp Val Asn Phe Val
1 5 10 15

Ser Thr Leu Ser Arg Gly Lys Phe Gly Leu Ser Pro Gly Val His Thr
20 25 30

Ala Ala Ala Thr Gln Cys Ala Thr Tyr His Phe Phe Leu Xaa Cys Phe
35 40 45

Val Leu Phe Leu Lys Asp His Phe Ile Leu Lys Arg Lys Ala Asp Pro
50 55 60

Ser Lys His Glu Ser Ile
65 70

<210> 5945
<211> 409
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5945
Pro Val Xaa Pro Arg Val Arg Arg Arg Arg Ala Lys Val Gln Gln Gly
1 5 10 15

Ala Val Gly Arg Ala Arg Arg Phe Pro Ala Arg Val Ser Ala Arg Gly
20 25 30

Ser Ala Pro Gly Pro Gly Leu Gly Gly Ala Gly Ala Leu Asp Pro Pro
35 40 45

Ala Val Val Ala Glu Ser Val Ser Ser Leu Thr Ile Ala Asp Ala Phe
50 55 60

Ile Ala Ala Gly Glu Ser Ser Ala Pro Thr Pro Pro Arg Pro Ala Leu
65 70 75 80

Pro Arg Arg Phe Ile Cys Ser Phe Pro Asp Cys Ser Ala Asn Tyr Ser

85 90 95

Lys Ala Trp Lys Leu Asp Ala His Leu Cys Lys His Thr Gly Glu Arg
100 105 110

Pro Phe Val Cys Asp Tyr Glu Gly Cys Gly Lys Ala Phe Ile Arg Asp
115 120 125

Tyr His Leu Ser Arg His Ile Leu Thr His Thr Gly Glu Lys Pro Phe
130 135 140

Val Cys Ala Ala Asn Gly Cys Asp Gln Lys Phe Asn Thr Lys Ser Asn
145 150 155 160

Leu Lys Lys His Phe Glu Arg Lys His Glu Asn Gln Gln Lys Gln Tyr
165 170 175

Ile Cys Ser Phe Glu Asp Cys Lys Lys Thr Phe Lys Lys His Gln Gln
180 185 190

Leu Lys Ile His Gln Cys Gln His Thr Asn Glu Pro Leu Phe Lys Cys
195 200 205

Thr Gln Glu Gly Cys Gly Lys His Phe Ala Ser Pro Ser Lys Leu Lys
210 215 220

Arg His Ala Lys Ala His Glu Gly Tyr Val Cys Gln Lys Gly Cys Ser
225 230 235 240

Phe Val Ala Lys Thr Trp Thr Glu Leu Leu Lys His Val Arg Glu Thr
245 250 255

His Lys Glu Glu Ile Leu Cys Glu Val Cys Arg Lys Thr Phe Lys Arg
260 265 270

Lys Asp Tyr Leu Lys Gln His Met Lys Thr His Ala Pro Glu Arg Asp
275 280 285

Val Cys Arg Cys Pro Arg Glu Gly Cys Gly Arg Thr Tyr Thr Thr Val
290 295 300

Phe Asn Leu Gln Ser His Ile Leu Ser Phe His Glu Glu Ser Arg Pro
305 310 315 320

Phe Val Cys Glu His Ala Gly Cys Gly Lys Thr Phe Ala Met Lys Gln
325 330 335

Ser Leu Thr Arg His Ala Val Val His Asp Pro Asp Lys Lys Lys Met
340 345 350

Lys Leu Lys Val Lys Lys Ser Arg Glu Lys Arg Ser Leu Ala Ser His

BNSDOCID: <WO_ 0122920A2 I >

355 360 365

Leu Ser Gly Tyr Ile Pro Pro Lys Arg Lys Gln Gly Gln Gly Leu Ser
370 375 380

Leu Cys Gln Asn Gly Glu Ser Pro Asn Cys Val Glu Asp Lys Met Leu
385 390 395 400

Ser Thr Val Ala Val Leu Thr Leu Gly
405

<210> 5946
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5946
Lys Arg Met Ala Ala Leu Phe Leu Lys Arg Leu Thr Leu Gln Thr Val
1 5 10 15

Lys Ser Glu Asn Ser Cys Ile Arg Cys Phe Gly Lys His Ile Leu Gln
20 25 30

Lys Thr Ala Pro Ala Gln Leu Ser Pro Ile Ala Ser Ala Pro Arg Leu
35 40 45

Ser Phe Leu Ile His Ala Lys Ala Phe Ser Thr Ala Glu Asp Thr Gln
50 55 60

Asn Glu Gly Lys Lys Thr Lys Lys Xaa Lys Thr Ala Phe Ser Asn Val
65 70 75 80

Xaa Lys Lys Asn

<210> 5947
<211> 288

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5947

```
Asp Val Ile Arg Arg Thr Val Glu Glu Arg Lys Leu Lys Leu Glu Met
  1               5                  10                  15

Glu Lys Gln Glu Phe Glu Gln Leu Arg Gln Glu Met Gly Glu Glu Glu
             20                  25                  30

Glu Glu Asn Glu Thr Phe Gly Leu Ser Arg Glu Tyr Glu Glu Leu Ile
         35                  40                  45

Lys Leu Lys Arg Ser Gly Ser Ile Gln Ala Lys Asn Leu Lys Ser Lys
     50                  55                  60

Phe Glu Lys Ile Gly Gln Leu Ser Glu Lys Glu Ile Gln Xaa Xaa Ile
 65                  70                  75                  80

Glu Glu Glu Arg Ala Arg Arg Arg Ala Ile Asp Leu Glu Ile Lys Glu
                 85                  90                  95

Arg Glu Ala Glu Asn Phe His Glu Glu Asp Asp Val Asp Val Arg Pro
            100                 105                 110

Ala Arg Lys Ser Glu Ala Pro Phe Thr His Lys Val Asn Met Lys Ala
        115                 120                 125

Arg Phe Glu Gln Met Ala Lys Ala Arg Glu Glu Glu Glu Gln Arg Arg
    130                 135                 140

Ile Glu Glu Gln Lys Leu Leu Arg Met Gln Phe Glu Gln Arg Glu Ile
145                 150                 155                 160

Asp Ala Ala Leu Gln Lys Lys Arg Glu Glu Glu Glu Glu Glu Glu Gly
                165                 170                 175

Ser Ile Met Asn Gly Ser Thr Ala Glu Asp Glu Glu Gln Thr Arg Ser
            180                 185                 190

Gly Ala Pro Trp Phe Lys Lys Pro Leu Lys Asn Thr Ser Val Val Asp
```

195 200 205

Ser Glu Pro Val Arg Phe Thr Val Lys Val Thr Gly Glu Pro Lys Pro
210 215 220

Glu Ile Thr Trp Trp Phe Glu Gly Glu Ile Leu Gln Asp Gly Glu Asp
225 230 235 240

Tyr Gln Tyr Ile Glu Arg Gly Glu Thr Tyr Cys Leu Tyr Leu Pro Glu
245 250 255

Thr Phe Pro Glu Asp Gly Gly Glu Tyr Met Cys Lys Ala Val Asn Asn
260 265 270

Lys Gly Ser Ala Ala Ser Thr Cys Ile Leu Thr Ile Glu Ser Lys Asn
275 280 285

<210> 5948
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5948
Trp His Tyr Gly Met Tyr Gly Gln Ala Xaa Pro Cys Gln Glu Xaa Ile
1 5 10 15

Pro Gly Met Val Glu Ser Phe Ile Xaa Asn Gly Trp Phe Ser Xaa Tyr
20 25 30

Ala Lys Arg Pro Met Ser Asn Pro Leu Leu Leu Ile Pro Ala Ala Trp
35 40 45

Gly Leu Val Pro Val Val Pro Gln Lys Cys Gly Pro Arg Thr Gln Pro
50 55 60

Val Xaa Ala Ser Ser Gly Asn Leu Val Lys Lys Cys Lys Leu Leu Gly
65 70 75 80

Pro Thr Leu Asn Leu Leu Asn His Lys Leu Cys Phe Asn Lys Gln Pro
85 90 95

Ala Leu

<210> 5949
<211> 138
<212> PRT
<213> Homo sapiens

<400> 5949
Val Pro Asp Phe Gln Gly Gln Gln Phe Ile Leu Glu Lys Gly Asp Tyr
1 5 10 15

Pro Arg Trp Ser Ala Trp Ser Gly Ser Ser Ser His Asn Ser Asn Gln
20 25 30

Leu Leu Ser Phe Arg Pro Val Leu Cys Ala Asn His Asn Asp Ser Arg
35 40 45

Val Thr Leu Phe Glu Gly Asp Asn Phe Gln Gly Cys Lys Phe Asp Leu
50 55 60

Val Asp Asp Tyr Pro Ser Leu Pro Ser Met Gly Trp Ala Ser Lys Asp
65 70 75 80

Val Gly Ser Leu Lys Val Ser Ser Gly Ala Trp Val Ala Tyr Gln Tyr
85 90 95

Pro Gly Tyr Arg Gly Tyr Gln Tyr Val Leu Glu Arg Asp Arg His Ser
100 105 110

Gly Glu Phe Cys Thr Tyr Gly Glu Leu Gly Thr Gln Ala His Thr Gly
115 120 125

Gln Leu Gln Ser Ile Arg Arg Val Gln His
130 135

<210> 5950
<211> 196
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5950
Lys Lys Asp Phe Phe Gly Lys Ser Asp Pro Phe Leu Val Phe Tyr Arg
1 5 10 15

Ser Asn Glu Asp Gly Thr Phe Thr Ile Cys His Lys Thr Glu Val Val
20 25 30

Lys Asn Thr Leu Asn Pro Val Trp Gln Pro Phe Ser Ile Pro Val Arg
35 40 45

Ala Leu Cys Asn Gly Asp Tyr Asp Arg Thr Val Lys Ile Asp Val Tyr
50 55 60

Asp Trp Asp Arg Asp Gly Ser His Asp Phe Ile Gly Glu Phe Thr Thr
65 70 75 80

Ser Tyr Arg Glu Leu Ser Lys Ala Gln Asn Gln Phe Thr Val Tyr Glu
85 90 95

Val Leu Asn Pro Arg Lys Lys Cys Lys Lys Lys Lys Tyr Val Asn Ser
100 105 110

Gly Thr Val Thr Leu Leu Ser Phe Ser Val Asp Ser Glu Phe Thr Phe
115 120 125

Val Asp Tyr Ile Lys Gly Gly Thr Gln Leu Asn Phe Thr Val Ala Ile
130 135 140

Asp Phe Thr Ala Ser Asn Gly Asn Pro Leu Gln Pro Thr Xaa Leu His
145 150 155 160

Tyr Met Ser Pro Tyr Gln Leu Ser Ala Tyr Ala Met Ala Leu Lys Ala

BNSDOCID: <WO___0122920A2_I >

```
                165                 170                 175

Val Gly Glu Ile Ile Gln Asp Tyr Asp Ser Asp Lys Leu Phe Pro Ala
            180                 185                 190

Tyr Gly Phe Gly
        195
```

<210> 5951
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5951

```
Lys Glu His Leu Met Cys Trp Ala Phe Tyr Arg Leu Thr Leu Thr Ser
  1               5                  10                  15

Gln Ala Glu Leu Tyr Thr Phe Ser Phe Thr Thr Ile Ser Ile Leu Ile
            20                  25                  30

Asn Tyr Gly Phe Met Leu Leu Lys Thr Ile Tyr Asn Ala Asp His Tyr
        35                  40                  45

Tyr Lys Cys Val Val Leu Thr Asn Cys Thr Glu Thr Ala Leu Ser Leu
    50                  55                  60

Tyr Ser Val Trp Ile Phe Gly Glu Asn Asn Lys Cys Ser Gln Glu Xaa
65                  70                  75                  80

Leu Leu Arg Gly Arg Leu Cys Glu Trp Ile Thr Leu Lys Ala Ala Phe
                85                  90                  95

Glu Thr Pro Val Ser Gly Ile Ser Cys Ile Leu Ala Trp Arg Pro Asp
            100                 105                 110

Val Asn Leu Thr Ser Ser Lys Asn Thr Arg Phe Pro
        115                 120
```

<210> 5952
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5952
Thr Phe Ala Gly Leu Cys His Ile Pro Leu Ala Val Ser Ser Glu Glu
1 5 10 15

Ala Pro Phe Ala Leu Gly Asn Gly Ser Val Ser His Trp Phe Ile Ser
20 25 30

Leu Glu Leu Phe Gly Ser Gln Ile Cys Phe Phe Glu Asn Leu Ser Trp
35 40 45

Gly Arg Leu Gln Val Val Asn Arg Gly Val Gly Val Gly Gly Gly Val
50 55 60

His Tyr Leu Gly Leu Leu Gly Ala Ser Arg Phe Ser Gly Arg Arg Ile
65 70 75 80

His Cys Val Leu Leu Leu Phe Pro Trp Pro Gly Leu Pro Ala Ser Leu
85 90 95

Cys His Pro Ala Trp Gly Lys Ala Pro Thr Gly Ile Val Ser Pro Leu
100 105 110

His Ala Ser Leu Ala Xaa Lys Ser Gln Lys Lys Ser Lys Thr Gly Arg
115 120 125

Lys

<210> 5953
<211> 179
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (175)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5953
Val Leu Glu Pro Gln Asn Val Asp Pro Ser Met Val Gln Met Thr Phe
1 5 10 15

Leu Asp Asp Val Xaa His Ser Leu Leu Lys Gly Glu Asn Ile Gly Ile
20 25 30

Thr Ser Arg Arg Arg Ser Arg Ala Asn Gln Asn Val Asn Ala Val His
35 40 45

Ser His Tyr Thr Arg Ala Gln Ala Asn Ser Pro Arg Pro Ala Met Asn
50 55 60

Ser Gln Ala Ala Val Pro Lys Gln Asn Thr His Gln Gln Gln Gln Gln
65 70 75 80

Arg Ser Ile Arg Pro Asn Lys Arg Lys Gly Ser Asp Ser Ser Ile Pro
85 90 95

Asp Glu Xaa Lys Met Lys Glu Glu Lys Tyr Asp Tyr Ile Ser Arg Gly
100 105 110

Glu Asn Pro Lys Gly Lys Asn Lys His Leu Met Asn Lys Arg Arg Lys
115 120 125

Pro Glu Glu Asp Glu Lys Lys Leu Asn Met Lys Arg Leu Arg Thr Asp
130 135 140

Asn Val Ser Asp Phe Ser Glu Ser Ser Asp Ser Glu Asn Ser Asn Lys
145 150 155 160

Arg Ile Ile Asp Asn Ser Ser Glu Gln Lys Pro Glu Asn Glu Xaa Lys
165 170 175

Lys Lys Tyr

<210> 5954
<211> 273
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5954

```
Ala Gly Phe Cys Val Val Gln Leu Arg Thr Cys Phe Ser Arg Gln Arg
  1               5                  10                  15

Phe Lys Ile Ser Gly Asp Gly Ile Arg Asn Gly Asn Ala Glu Arg Xaa
             20                  25                  30

Gly Arg Gly Gly Leu Tyr Pro Gly His Pro Gln Gly Gly Arg Arg Ala
         35                  40                  45

Lys Lys Arg Gln Ala Glu Gln Leu Ser Ala Ala Gly Glu Gly Gly Asp
     50                  55                  60

Ala Gly Arg Met Asp Thr Glu Glu Ala Arg Pro Ala Lys Arg Pro Val
 65                  70                  75                  80

Phe Pro Pro Leu Cys Gly Asp Gly Leu Leu Ser Gly Lys Glu Glu Thr
                 85                  90                  95

Arg Lys Ile Pro Val Pro Ala Asn Arg Tyr Thr Pro Leu Lys Glu Asn
            100                 105                 110

Trp Met Lys Ile Phe Thr Pro Ile Val Glu His Leu Gly Leu Gln Ile
        115                 120                 125

Arg Phe Asn Leu Lys Ser Arg Asn Val Glu Ile Arg Thr Cys Lys Glu
    130                 135                 140

Thr Lys Asp Val Ser Ala Leu Thr Lys Ala Ala Asp Phe Val Lys Ala
145                 150                 155                 160

Phe Ile Leu Gly Phe Gln Val Glu Asp Ala Leu Ala Leu Ile Arg Leu
                165                 170                 175

Asp Asp Leu Phe Leu Glu Ser Phe Glu Ile Thr Asp Val Lys Pro Leu
            180                 185                 190

Lys Gly Asp His Leu Ser Arg Ala Ile Gly Arg Ile Ala Gly Lys Gly
        195                 200                 205

Gly Lys Thr Lys Phe Thr Ile Glu Asn Val Thr Arg Thr Arg Ile Val
    210                 215                 220

Leu Ala Asp Val Lys Val His Ile Leu Gly Ser Phe Gln Asn Ile Lys
225                 230                 235                 240

Met Ala Arg Thr Ala Ile Cys Asn Leu Ile Leu Gly Asn Pro Pro Ser
                245                 250                 255
```

BNSDOCID: <WO_ 0122920A2 I_>

```
Lys Val Tyr Gly Asn Ile Arg Ala Val Ala Ser Arg Ser Ala Asp Arg
            260                 265                 270

Phe
```

<210> 5955
<211> 92
<212> PRT
<213> Homo sapiens

<400> 5955

```
Arg Met Glu Arg Ser Leu Lys Gly Ile Phe Ile Lys Gln Val Leu Glu
  1               5                  10                  15

Asp Ser Pro Ala Gly Lys Thr Asn Ala Leu Lys Thr Gly Asp Lys Ile
             20                  25                  30

Leu Glu Val Ser Gly Val Asp Leu Gln Asn Ala Ser His Ser Glu Ala
         35                  40                  45

Val Glu Ala Ile Lys Asn Ala Gly Asn Pro Val Val Phe Ile Val Gln
     50                  55                  60

Ser Leu Ser Ser Thr Pro Arg Val Ile Pro Asn Val His Asn Lys Ala
 65                  70                  75                  80

Asn Lys Ile Thr Gly Asn Gln Asn Gln Asp Thr Gln
                 85                  90
```

<210> 5956
<211> 203
<212> PRT
<213> Homo sapiens

<400> 5956

```
Asn Ser Ala Arg Gly Asp Gln Glu Ser Thr Cys Ala Glu Val Leu Val
  1               5                  10                  15

Ile Trp Ser Leu Phe Pro Ser Gly Tyr Gln Leu Pro Ser Ala Ala Gln
             20                  25                  30

Ala Val Val Pro Glu Ala Arg Gly Arg Ser Gln Thr Cys Gly Asn Phe
         35                  40                  45

Ala Val Tyr Leu Gln Gly Cys Cys Phe Gln Gln Asp Pro Lys Leu Glu
```

BNSDOCID: <WO__0122920A2_I_>

```
     50                  55                  60

Lys Glu Glu Glu Glu Thr Asp Pro Ile Ser Ala Arg Ser His Cys Ile
 65                  70                  75                  80

Gln Arg Arg Ile Ser Lys Lys Glu Lys Lys Glu Gly Arg Glu Val Asp
                85                  90                  95

Arg Tyr Lys Met Lys Ser Cys Gln Lys Met Glu Gly Lys Pro Glu Asn
            100                 105                 110

Glu Ser Glu Pro Lys His Glu Glu Glu Pro Lys Pro Glu Glu Lys Pro
        115                 120                 125

Glu Glu Glu Glu Lys Leu Glu Glu Glu Ala Lys Ala Lys Gly Thr Phe
    130                 135                 140

Arg Glu Arg Leu Ile Gln Ser Leu Gln Glu Phe Lys Glu Asp Ile His
145                 150                 155                 160

Asn Arg His Leu Ser Asn Glu Asp Met Phe Arg Glu Val Asp Glu Ile
                165                 170                 175

Asp Glu Ile Arg Arg Val Arg Asn Lys Leu Ile Val Met Arg Trp Lys
            180                 185                 190

Val Asn Arg Asn His Pro Tyr Pro Tyr Leu Met
        195                 200
```

<210> 5957
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5957
Trp Ala Leu Cys Thr Asn Cys Phe Ser Pro Ser Pro Leu Asp Leu Arg
1 5 10 15

Ile Lys His Pro Val Leu Lys Leu Ile Cys Cys Ser Phe Val Asn Ile
20 25 30

Ser Leu Arg Phe Ser Leu Arg Val Arg Xaa Asn Ile Ser Glu Pro Lys
35 40 45

Val Pro Tyr Thr Thr Leu Ala Tyr Tyr Ser Xaa Xaa Phe Lys Gly Phe
50 55 60

Arg Ile Phe Gly Ser His Xaa Lys Ser Val Phe Ile Met
65 70 75

<210> 5958
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5958
Cys Asn Asp His Lys Ile Ala Trp Lys Ile Val Ile Gln Ile Ser Thr
1 5 10 15

Met Asn Ser Xaa Pro Lys Phe Phe Phe Pro Met Ile Lys Val Val Asp
20 25 30

<210> 5959
<211> 56
<212> PRT
<213> Homo sapiens

<400> 5959

BNSDOCID: <WO__0122920A2_I_>

```
Asn Gln Val Tyr Phe Leu Met Ala Phe Ile Thr Leu Thr His Lys Val
 1               5                  10                  15

Thr Asp Gln Cys Ile Ser Tyr Gly Tyr Arg Pro Arg Ala Leu Glu Gly
            20                  25                  30

Gly Gly Leu Leu Lys His Met Gln Lys Lys Lys Lys Lys Lys Phe Cys
        35                  40                  45

Ile Tyr Asn His Phe Asn Leu Leu
    50                  55
```

<210> 5960
<211> 82
<212> PRT
<213> Homo sapiens

<400> 5960

```
Gly Tyr Val Cys Glu Phe Leu Gly Asn Leu Ser Val Leu Asp Ala Ser
 1               5                  10                  15

Leu Gln Gln Gly Pro Leu Leu Ala Met Asp Gly Pro Gly Arg Ser Leu
            20                  25                  30

Glu Ile Thr His Leu Lys Asn Glu Gly Pro Met Lys Val Phe Gly Cys
        35                  40                  45

Leu Leu Met Pro Leu Leu Leu Thr Leu Leu Phe Ala Tyr Phe Gln Asn
    50                  55                  60

Ile Ile Lys Cys Gln His Ile Ile Ser Glu Arg Gln Val Gly Val Gly
65                  70                  75                  80

Glu Lys
```

<210> 5961
<211> 77
<212> PRT
<213> Homo sapiens

<400> 5961

```
Phe Val Thr Cys His Asn Thr Lys Gln Val Thr Glu Glu Thr Ile Met
 1               5                  10                  15

Gly Pro Arg Gly Arg Cys Leu Tyr His Val Asp Lys Ile Gln Ser Ser
            20                  25                  30
```

```
Leu Phe Gln Thr Lys His Phe Ala Leu Glu Thr Phe Glu Thr Ser Met
         35                  40                  45

Ala Val Glu Tyr Ser Arg Asp Asp Leu Lys Ile Leu Glu Ala Val Glu
     50                  55                  60

Val Pro Val Val Gly Ala Arg His Gly Ser Gly Asp Pro
 65                  70                  75
```

<210> 5962
<211> 170
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5962

```
Ala Asp Ala Trp Val Asp Tyr Ser Glu Asp Lys Ser Ser Trp Asp Asn
  1               5                  10                  15

Gln Gln Glu Asn Pro Pro Pro Thr Lys Lys Ile Gly Lys Lys Pro Val
             20                  25                  30

Ala Lys Met Pro Leu Arg Arg Pro Lys Met Lys Lys Thr Pro Glu Lys
         35                  40                  45

Leu Asp Asn Thr Pro Ala Ser Pro Pro Arg Ser Pro Ala Glu Pro Asn
     50                  55                  60

Asp Ile Pro Ile Ala Lys Gly Thr Tyr Thr Phe Asp Ile Asp Lys Trp
 65                  70                  75                  80

Asp Asp Pro Asn Phe Asn Pro Phe Ser Ser Thr Ser Lys Met Gln Glu
                 85                  90                  95

Ser Pro Lys Leu Pro Gln Gln Ser Tyr Asn Phe Asp Pro Asp Thr Cys
            100                 105                 110

Asp Glu Ser Val Asp Pro Phe Lys Thr Ser Ser Lys Thr Pro Ser Ser
        115                 120                 125

Pro Ser Lys Ser Pro Ala Ser Phe Glu Ile Pro Ala Ser Ala Met Glu
    130                 135                 140

Ala Asn Gly Val Asp Gly Asp Gly Leu Asn Lys Pro Ala Lys Lys Lys
```

145 150 155 160

Lys Thr Pro Leu Lys Thr Glu His Leu Xaa
165 170

<210> 5963
<211> 55
<212> PRT
<213> Homo sapiens

<400> 5963
Leu Ile Ala Gly Ile Gln His Gly Cys Gln Asp Ile Gly Ala Arg Ser
1 5 10 15

Leu Ser Val Leu Arg Ser Met Met Tyr Ser Gly Glu Leu Lys Phe Glu
20 25 30

Lys Arg Thr Met Ser Ala Gln Ile Glu Gly Gly Val His Gly Leu His
35 40 45

Ser Tyr Glu Lys Arg Leu Tyr
50 55

<210> 5964
<211> 493
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (156)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (359)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (434)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (436)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (468)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (471)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (473)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (488)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5964
Val Ile Arg Gly Gly Ser Asn Arg Arg Gly Glu Gly Glu Val Ile Pro
1 5 10 15

Glu Glu Ser Arg Leu Gly Arg Thr Arg Trp Pro Gly Asn Arg Val Ile
20 25 30

Arg Glu Met Lys Pro Thr Gly Thr Asp Pro Arg Ile Leu Ser Ile Ala
35 40 45

Ala Glu Val Ala Lys Ser Pro Glu Gln Asn Val Pro Val Ile Leu Leu
50 55 60

Lys Leu Lys Glu Ile Ile Asn Ile Thr Pro Leu Gly Ser Ser Glu Leu
65 70 75 80

```
Lys Lys Ile Lys Gln Asp Ile Tyr Cys Tyr Asp Leu Ile Gln Tyr Cys
                85                  90                  95

Leu Leu Val Leu Ser Gln Asp Tyr Ser Arg Ile Gln Gly Gly Trp Xaa
            100                 105                 110

Thr Ile Ser Gln Leu Thr Gln Ile Leu Ser His Cys Cys Val Gly Leu
        115                 120                 125

Glu Pro Gly Glu Asp Ala Xaa Glu Phe Tyr Asn Glu Leu Leu Pro Ser
    130                 135                 140

Ala Ala Glu Asn Phe Leu Val Leu Gly Arg Gln Xaa Gln Thr Cys Phe
145                 150                 155                 160

Ile Asn Ala Ala Xaa Ala Glu Glu Lys Asp Glu Leu Leu His Phe Phe
                165                 170                 175

Gln Ile Val Thr Asp Ser Leu Phe Trp Leu Leu Gly Gly His Val Glu
            180                 185                 190

Leu Ile Gln Asn Val Leu Gln Ser Asp His Phe Leu His Leu Leu Gln
        195                 200                 205

Ala Asp Asn Val Gln Ile Gly Ser Ala Val Met Met Met Leu Gln Asn
    210                 215                 220

Ile Leu Gln Ile Asn Ser Gly Asp Leu Leu Arg Ile Gly Arg Lys Ala
225                 230                 235                 240

Leu Tyr Ser Ile Leu Asp Glu Val Ile Phe Lys Leu Phe Ser Thr Pro
                245                 250                 255

Ser Pro Val Ile Arg Ser Thr Ala Thr Lys Leu Leu Leu Leu Met Ala
            260                 265                 270

Glu Ser His Gln Glu Ile Leu Ile Leu Leu Arg Gln Ser Thr Cys Tyr
        275                 280                 285

Lys Gly Leu Arg Arg Leu Leu Ser Lys Gln Glu Thr Gly Thr Glu Phe
    290                 295                 300

Ser Gln Glu Leu Arg Gln Leu Val Gly Leu Leu Ser Pro Met Val Tyr
305                 310                 315                 320

Gln Glu Val Glu Glu Gln Lys Leu His Gln Ala Ala Cys Leu Ile Gln
                325                 330                 335

Ala Tyr Trp Lys Gly Phe Gln Thr Arg Lys Arg Leu Lys Lys Leu Pro
            340                 345                 350
```

BNSDOCID: <WO_ 0122920A2_I_>

```
Ser Ala Val Ile Ala Leu Xaa Arg Ser Phe Arg Ser Lys Arg Ser Lys
        355                 360                 365

Met Leu Leu Glu Ile Asn Arg Gln Lys Glu Glu Glu Asp Leu Lys Leu
    370                 375                 380

Gln Leu Gln Leu Gln Arg Gln Arg Ala Met Arg Leu Ser Arg Glu Leu
385                 390                 395                 400

Gln Leu Ser Met Leu Glu Ile Val His Pro Gly Gln Val Glu Lys His
                405                 410                 415

Tyr Arg Glu Met Gly Arg Glu Ile Ser Thr Asp Tyr Pro Glu Thr Leu
            420                 425                 430

Glu Xaa Val Xaa Gly Lys Glu Lys Phe Ser Pro Thr Glu Ala Val Ser
        435                 440                 445

His Arg Ser Ile Lys Ala Thr Val Thr Leu Gln Lys Ser Lys Arg Phe
    450                 455                 460

Lys Phe Leu Xaa Glu Ile Xaa Arg Xaa Glu Lys Arg Lys Leu Phe Cys
465                 470                 475                 480

Leu Pro Trp Ala Lys Gly Pro Xaa Lys Glu Thr Ser Thr
                485                 490
```

<210> 5965
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5965

```
Leu Phe Val Cys Xaa Phe Leu Val Ala Arg Ser Asp Pro Arg Ile Phe
  1               5                  10                  15

Leu Leu Ser Arg Glu Thr Arg Arg Ile Met Arg Leu Phe Leu Val Ala
            20                  25                  30

Phe Gln Glu Tyr Glu Glu Lys Asn Gly Ser Gln Ser Gly Phe Glu
        35                  40                  45
```

BNSDOCID <WO_ 0122920A2 I_>

<210> 5966
<211> 65
<212> PRT
<213> Homo sapiens

<400> 5966
Leu His Lys Thr Leu Val Arg Tyr Gln Leu Leu His Arg Glu Ser Ser
1 5 10 15

Tyr Thr Ile Pro Tyr Ile Phe Ile Tyr Leu Leu Phe Tyr Tyr Ser Arg
20 25 30

Ile Thr Lys Leu Asp Ala Leu Ser Gln Phe Phe Ala Thr Glu Asn Tyr
35 40 45

Leu Phe Leu Leu Pro Phe His Thr Pro Cys Ile Tyr Asp Gln Pro Leu
50 55 60

His
65

<210> 5967
<211> 67
<212> PRT
<213> Homo sapiens

<400> 5967
Ala Lys Asn Ile Lys Gly Arg Glu Ile Gly Ile Gln Gly Asp Ser Val
1 5 10 15

Gln Glu Ser Lys Pro Gly Ile Cys Leu Cys Gly Arg Pro Asn His Tyr
20 25 30

Tyr Leu Asn Pro Leu Arg Lys Ala Phe Pro Ala Phe His Asn Ser Gly
35 40 45

Ser Ser Phe Ile Lys Trp Glu Thr His Asn Cys Pro Thr Tyr Leu Thr
50 55 60

Gly Val Leu
65

<210> 5968
<211> 124
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2_I >

<400> 5968
Leu Glu Thr Ser Ala Val Tyr Ile Ser Leu Tyr Ser Phe Phe Ser Pro
1 5 10 15

Leu Pro Met Met Phe Arg Asn Thr Thr Ile Leu Phe Ala Lys His Ser
20 25 30

Asn Tyr Leu Ile Ser Lys Gln Val Leu Glu Tyr His Arg Asn His Lys
35 40 45

Thr Ala His Gln Asn Met Pro His Ser Thr Ser Ser Glu Gln Ser Gly
50 55 60

Lys Arg Thr Ser Arg Ser Trp Lys Ser Gly Leu Val Leu Ser Arg Ser
65 70 75 80

Thr Lys Asn Leu Asn Ile Ser Asp Asn His Asn Thr Ser Leu Thr Trp
85 90 95

Glu Arg Ala Val Ile Ile Phe His Arg Gly Gln Asp Gly Ser Leu Asp
100 105 110

Glu Glu Val Asp Met Pro Phe Pro Asn Ser Arg Lys
115 120

<210> 5969
<211> 87
<212> PRT
<213> Homo sapiens

<400> 5969
Ile Cys Pro Arg Ser Pro Ser Lys Val Ser Val Ala Leu Arg Val Arg
1 5 10 15

Thr Leu Ile Arg Leu Gly Arg Val Leu Glu Ser Leu Arg Arg Gln Glu
20 25 30

Glu Cys Ala Glu Leu Ser Val Ser Gly Arg Leu Ile His Cys Trp Ala
35 40 45

His Ile Lys Ala Pro Met Gly Ser Arg Pro Asp Cys Thr Trp Leu Phe
50 55 60

Cys Trp Lys Lys Ser Met Ala Ala Gln Arg Thr Lys Ile Ser Ser Gly
65 70 75 80

Lys Ala Ser Phe Asp Cys Gln
85

BNSDOCID: <WO_ 0122920A2 I >

<210> 5970
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5970
Met Glu Arg Xaa Gln Val Phe Asn Ser Thr Asn Ile Phe Phe Ser Phe
1 5 10 15

Val Pro Phe Phe Cys Leu Leu Tyr Thr Asp Ile Pro Thr Leu Ala Thr
20 25 30

Ala Gln Arg Gly Ser Tyr Leu Arg Asn Thr Ala Asp Phe Glu Tyr Leu
35 40 45

Val Leu Gln Ser His Leu Ser Glu Ala
50 55

<210> 5971
<211> 184
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (183)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5971
Glu Lys Lys Lys Thr Leu Lys Lys Lys Ile Pro Lys Tyr His Gln Pro
1 5 10 15

Arg Lys Glu Lys Arg Arg Gln Lys Pro Leu Gly Gly Phe Gly Lys Glu
20 25 30

Ser Lys Glu Lys Glu Pro Lys Thr Lys Gly Lys Asp Ala Lys Asp Gly
35 40 45

Lys Lys Asp Ser Ser Ala Ala Gln Pro Gly Val Ala Phe Ser Val Asp
50 55 60

```
Asn Thr Ile Lys Arg Pro Asn Pro Ala Pro Gly Thr Arg Lys Lys Ser
 65                  70                  75                  80

Ser Asn Ala Glu Val Ile Lys Glu Leu Asn Lys Cys Arg Glu Glu Asn
                 85                  90                  95

Ser Met Arg Leu Asp Leu Ser Lys Arg Ser Ile His Ile Leu Pro Ser
            100                 105                 110

Ser Ile Lys Glu Leu Thr Gln Leu Thr Glu Leu Tyr Leu Tyr Ser Asn
        115                 120                 125

Lys Leu Gln Ser Leu Pro Ala Glu Val Gly Cys Leu Val Asn Leu Met
    130                 135                 140

Thr Leu Ala Leu Ser Glu Asn Ser Leu Thr Ser Leu Pro Asp Ser Leu
145                 150                 155                 160

Asp Asn Leu Lys Lys Leu Arg Met Leu Asp Leu Arg His Asn Lys Leu
                165                 170                 175

Arg Glu Ile Pro Ser Val Xaa Val
            180
```

<210> 5972
<211> 58
<212> PRT
<213> Homo sapiens

<400> 5972

```
Ala His Pro Thr Arg Asn Tyr Val Lys Lys Lys Phe Lys Lys Glu Phe
  1               5                  10                  15

Lys Gly Asp Tyr Ser Val Thr Val Thr Pro Gly Lys Leu Arg Thr Leu
             20                  25                  30

Cys Glu Ile Asp Trp Pro Ala Leu Glu Val Gly Trp Pro Ser Glu Gly
         35                  40                  45

Ser Leu Asp Arg Ser Leu Val Ser Lys Val
     50                  55
```

<210> 5973
<211> 35
<212> PRT
<213> Homo sapiens

<400> 5973
Gly Gln Gln Phe Glu Thr Ser Leu Thr Ile Ser Thr Lys Cys Thr Lys
1 5 10 15

Val Ser Trp Ala Trp Trp Arg Ala Pro Val Ile Pro Ala Thr Trp Glu
20 25 30

Thr Asp Ala
35

<210> 5974
<211> 86
<212> PRT
<213> Homo sapiens

<400> 5974
Arg Asn Ser Gly Phe Cys Cys Asn Arg Phe Ile Phe Leu Leu Phe Ser
1 5 10 15

Pro Ile Leu Ala Gln Ser Gly Ala Ile Val Leu Leu Val Arg Pro Ser
20 25 30

Leu Lys Met Arg Ser Arg Glu Ala Gly Pro Lys Leu Arg Arg Ile Gln
35 40 45

Glu Pro Ala Asn Gly Ser Pro Gly Ala Val Ser Glu Thr Gly Gly Tyr
50 55 60

Arg Glu Glu Arg Leu Ser Asp Ala Glu Ile Met Gly Lys Leu Leu Ala
65 70 75 80

Trp Leu Ala Val Gly Met
85

<210> 5975
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5975
Ile Phe Ser Asn Leu Val Phe Phe Tyr Ile Ile Ile Ala Ser Leu Lys
1 5 10 15

Ile Val Leu Gln Ala Xaa His Gly Trp Val Thr Pro Val Tyr Leu Thr
20 25 30

Leu Trp Glu Ala Glu Ala Gly Lys His Leu Lys Ser Gly Xaa Gln Asn
35 40 45

Asn Pro Gly His Trp
50

<210> 5976
<211> 27
<212> PRT
<213> Homo sapiens

<400> 5976
Cys Leu Gly Ala Tyr Ala Asp Tyr Ser Leu Arg Gly Gly Val Glu Arg
1 5 10 15

Arg Arg Arg Tyr Ala Gly Arg Arg Val Leu Cys
20 25

<210> 5977
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5977
Val Ser Arg Leu Val Ser Lys Glu Phe Ser Lys Ser Trp Ser Cys Gly
1 5 10 15

Gly Cys Ser Tyr Ala Ala Gly Ala Val Thr Glu Arg Gln Glu Gly Leu
20 25 30

Gly Gly Lys Gly Arg Arg Leu Asn Gln Ala Pro Ala Trp Thr Trp Ala
35 40 45

Cys Val Leu Xaa Ser His Leu Ser Ser Arg Thr Gln Val Gly Lys Ser
50 55 60

Leu Ser Gly His Xaa Pro Leu Gly Gly Val Gly Leu Ser Val Pro Phe
65 70 75 80

Leu Ala Val Thr Ser Xaa Cys Ala Arg Val Glu
85 90

<210> 5978
<211> 224
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (152)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (213)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (216)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5978

```
Ala Leu Val Ser Val Leu Thr Lys Glu Tyr Glu Asp Ala Val Ser Ile
  1               5                  10                  15

Ala Thr Ala Val Leu Val Val Val Thr Val Ala Phe Ile Gln Glu Tyr
             20                  25                  30

Arg Ser Glu Lys Ser Leu Glu Glu Leu Thr Lys Leu Val Pro Pro Glu
         35                  40                  45

Cys Asn Cys Leu Arg Glu Gly Lys Leu Gln His Leu Leu Ala Arg Glu
     50                  55                  60

Leu Val Pro Gly Asp Val Val Ser Leu Ser Ile Gly Asp Arg Ile Pro
 65                  70                  75                  80

Ala Asp Ile Arg Leu Thr Glu Val Thr Asp Leu Leu Val Asp Glu Ser
                 85                  90                  95

Ser Phe Thr Gly Glu Ala Glu Pro Cys Ser Xaa Thr Asp Ser Pro Leu
            100                 105                 110

Thr Gly Gly Gly Xaa Leu Thr Thr Leu Ser Asn Ile Val Phe Xaa Gly
        115                 120                 125

Xaa Leu Val Gln Tyr Gly Xaa Gly Gln Gly Val Xaa Ile Gly Thr Gly
```

130 135 140

Glu Ser Ser Gln Phe Gly Xaa Xaa Phe Lys Met Met Gln Ala Glu Glu
145 150 155 160

Thr Pro Lys Thr Pro Leu Gln Lys Ser Met Asp Arg Leu Gly Lys Gln
165 170 175

Leu Thr Leu Phe Ser Phe Gly Ile Ile Gly Leu Ile Met Leu Ile Gly
180 185 190

Trp Ser Gln Gly Lys Gln Leu Leu Ser Met Phe Thr Ile Gly Val Ser
195 200 205

Leu Ala Val Ala Xaa Ile Ser Xaa Gly Ser Ala His Ser Ser Ser Trp
210 215 220

<210> 5979
<211> 155
<212> PRT
<213> Homo sapiens

<400> 5979
Pro Cys Cys Ile Trp Lys Ala Lys Trp Gly His Glu Glu Gly Trp Lys
1 5 10 15

Gly Gln Gly Val Met Ala Ala Tyr Leu Val Ser Pro Thr Pro Pro Val
20 25 30

Leu Gly Glu Pro Ser Cys Tyr Thr Gly Ser Ser Pro Arg Ser Ser Phe
35 40 45

Leu Ser Pro Thr Ser Trp Trp Arg Leu Gln Gly Arg Pro Glu Ser Trp
50 55 60

Thr Glu Arg Val Thr Gly Gly Val Gly Asp Lys His Gln Thr Ser Ile
65 70 75 80

Val Cys Pro Asp Leu Gly Val Ile Gly Gly Met Gly Trp Glu Arg Val
85 90 95

Ser Trp Tyr Ser His Gly Leu Ile Phe Phe Val Ser Ile Pro Phe Ile
100 105 110

Ser Leu Cys Leu Asn Arg Gly Gly Gly Val Val Thr Gly Asn Lys Asp
115 120 125

```
Leu Arg Ser Ser Ala Pro Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
    130                 135                 140

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
145                 150                 155
```

<210> 5980
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5980

```
Ile Arg His Glu Gly Thr Leu Pro Leu Gln Arg Val Arg Ala Leu Leu
  1               5                  10                  15

His Pro Gln Arg Ser Xaa Ala Lys His Leu Arg Gly His Ala Ser Val
             20                  25                  30

Arg Pro Cys Arg Cys Asn Glu Cys Xaa Lys Ser Phe Ser Arg Arg Asp
         35                  40                  45

His Leu Val Arg His Gln Arg Thr His Thr Gly Glu Lys Pro Phe Thr
     50                  55                  60

Cys Pro Thr Cys Gly Lys Ser Phe Ser Arg Gly Tyr His Leu Ile Arg
 65                  70                  75                  80

His Gln Arg Thr His Ser Glu Lys Thr Ser
                 85                  90
```

<210> 5981
<211> 54
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5981
Phe Ser Ser Pro Gly Val Val Gly Arg Cys Lys Leu Lys Gly Thr Leu
1 5 10 15

Gly Gly Gly Gly Arg Gly Glu Asp Asp Ser Asp Pro Ser Pro Val Gly
20 25 30

Val Arg Ile Thr Gln Glu Leu Arg Xaa Arg Glu Glu Gly Xaa Arg Arg
35 40 45

Leu Gln Leu Leu Gln Gly
50

<210> 5982
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5982
Gly Arg Gln Pro Ala Pro Leu Val Pro Pro Cys Ser Ser Ser His Tyr
1 5 10 15

His Arg Pro His Thr Leu Thr Arg Thr Leu Thr His Arg Ser Leu Gln
20 25 30

Arg Met Arg Trp Gly Tyr Asp Arg Ser Leu Arg Leu Val Ser Xaa Ser
35 40 45

Leu Leu Gln Pro Pro Pro Gly Phe Gln Pro Ile Leu Phe Ala Ala Gly
50 55 60

Val Pro Thr Leu Pro Tyr Ser Gln Leu Leu Phe Pro Ala Asp Gly Glu
65 70 75 80

Met Asp Ser Ala Ala Tyr Pro Pro Thr Pro Leu Gln Gly Val Glu Asp

85 90 95

<210> 5983
<211> 78
<212> PRT
<213> Homo sapiens

<400> 5983
Glu Lys Thr Gln Val Cys Asp Ile Ser Val Ile Pro Lys Asn Ile Leu
1 5 10 15

Gly Phe Leu Phe Val Phe Leu Phe Phe Gly Phe Phe Phe Phe Thr Ala
20 25 30

Glu Asn Trp Trp Tyr Phe His Ile His Ser Val Ser Ile Gln Phe Gln
35 40 45

Tyr Pro His Leu Met Arg Lys Lys Cys Phe Thr Asn Glu Gly Gly Ile
50 55 60

Leu Lys Leu Ala Val Met Leu Gly Trp Arg Lys Phe Gly Ile
65 70 75

<210> 5984
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5984
Lys Ile Thr Met Trp Met Ala Val Ser His Ile Thr Asp Val Glu Ser
1 5 10 15

Ile Ile Leu Tyr Leu Tyr Phe Gln Ile Asn Lys Phe Val Lys Gly Phe
20 25 30

His Pro Leu Leu Trp Ser Arg Lys Met Leu Glu Ile Tyr Ile Xaa Ile
35 40 45

Asp Thr Tyr Ile Cys Ile Tyr Ile Lys Lys Ile Leu Thr Thr Lys Val

50 55 60

Pro Glu Pro Pro Ser Lys Val Leu Tyr Tyr Cys Ile Leu Tyr Ile Met
65 70 75 80

Tyr His Pro Met Trp Asn Leu
85

<210> 5985
<211> 101
<212> PRT
<213> Homo sapiens

<400> 5985
Asp Lys Ser Ile Lys Asn Lys Ala Glu Arg Glu Arg Arg Val Arg Glu
1 5 10 15

Leu Asn Ser Ser Asn Thr Lys Lys Phe Leu Glu Glu Arg Lys Arg Leu
20 25 30

Ala Met Lys Gln Ser Lys Glu Met Asp Gln Leu Lys Lys Val Gln Leu
35 40 45

Glu His Leu Glu Phe Leu Glu Lys Gln Asn Glu Gln Leu Leu Lys Ser
50 55 60

Cys His Ala Val Ser Gln Thr Gln Gly Glu Gly Asp Ala Ala Asp Gly
65 70 75 80

Glu Ile Gly Ser Arg Asp Gly Pro Gln Thr Ser Asn Ser Ser Met Lys
85 90 95

Leu Gln Asn Ala Asn
100

<210> 5986
<211> 216
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5986
Lys Ser Ser Arg Gly Asn Thr Gln Ala Thr Ser His Ser Phe Asp Val

5257

```
  1               5                  10                  15

Arg Val Leu Thr Gln Leu Leu Leu Asn Ser Asp His Arg Ser Thr Ala
            20                  25                  30

Thr Val Gln Ile Cys Ser Gly Ser Val Asn Leu Lys Gly Ala Val Lys
        35                  40                  45

Cys Arg Ala Tyr Ile His Ser Ser Lys Pro Lys Val Lys Asp Ala Val
    50                  55                  60

Gln Ala Val Lys Arg Asp Ile Leu Asn Thr Val Ala Asp Arg Cys Glu
65                  70                  75                  80

Met Leu Phe Glu Asp Leu Leu Leu Asn Glu Ile Pro Glu Lys Lys Xaa
                85                  90                  95

Ser Glu Lys Glu Phe His Val Leu Pro Tyr Arg Val Phe Val Pro Leu
            100                 105                 110

Pro Gly Ser Thr Val Met Leu Cys Asp Tyr Lys Phe Asp Asp Glu Ser
        115                 120                 125

Ala Glu Glu Ile Arg Asp His Phe Met Glu Met Leu Asp His Thr Ile
    130                 135                 140

Gln Ile Glu Asp Leu Glu Ile Ala Glu Glu Thr Asn Thr Ala Cys Met
145                 150                 155                 160

Ser Ser Ser Met Asn Ser Gln Ala Ser Leu Asp Asn Thr Asp Asp Glu
                165                 170                 175

Gln Pro Lys Gln Pro Ile Lys Thr Thr Met Leu Leu Lys Ile Gln Gln
            180                 185                 190

Asn Ile Gly Val Ile Ala Ala Phe Thr Val Ala Val Leu Ala Ala Gly
        195                 200                 205

Ile Ser Phe His Tyr Phe Ser Asp
    210                 215
```

<210> 5987
<211> 67
<212> PRT
<213> Homo sapiens

<400> 5987

```
Pro Phe Leu Val Ser Val Phe Pro Gly Glu Asn Glu Ala Lys Gln Glu
  1               5                  10                  15
```

Phe Gly Phe Leu Leu Met Ser Ser Tyr Thr Ile His Ser Val Asn Phe
20 25 30

Glu Lys Ile Tyr Pro Pro Phe Ser Leu Leu Gly Asp Ile Asn Tyr Ser
35 40 45

Gln Glu Glu Tyr Asn Glu Leu Tyr Ser Tyr Phe Asp Leu Leu Lys Arg
50 55 60

Cys Tyr Gln
65

<210> 5988
<211> 162
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5988
Pro Ala Glu Leu Lys Cys Ala Val Thr Ser Gln Cys Glu Phe Leu Pro
1 5 10 15

Asn Ser Arg Ala Tyr His Leu Lys Lys Glu Arg Thr Glu Glu Gln Thr
20 25 30

Lys Val Leu Arg Asn Glu Thr His Leu Phe Ser Leu Lys Ala Leu Arg
35 40 45

Gly Gly Arg Arg Pro Ala Gln Ala Gly Gly Gly Phe Gly Gln Ser Glu

BNSDOCID: <WO__ 0122920A2 I >

```
     50                  55                  60

Asp Pro Ala Arg Thr Leu Val Arg Trp Xaa Ala Ala His Leu Leu Arg
 65                  70                  75                  80

Ile Leu Leu Glu Ser Cys Ser Pro Arg Gly Leu Leu Xaa Xaa Trp Xaa
                85                  90                  95

Lys Glu Ala Ala Trp Cys Gly Val Thr Gln Ile Ser Ile Pro Ile Cys
            100                 105                 110

Cys Thr Phe Thr Leu Gln Gly Thr Cys Phe Lys Thr Asp Pro Gln Gln
        115                 120                 125

Val Leu Glu Lys Cys Ile Gln Ser Glu Asp Val Cys Val Ser Val Tyr
    130                 135                 140

Ile Gln Ser Ser Val Thr His Ala Pro Gln Ile Ala Ala Lys Ile Pro
145                 150                 155                 160

Arg His
```

<210> 5989
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

```
<400> 5989
Asn Cys Ala Phe Ser Gly Leu Leu Ser Ser Ile Pro Ser Phe Ser Leu
  1               5                  10                  15

Leu Ser Ser Phe Gln His Val Thr Val Lys Ala Phe Ser Leu Ile Phe
            20                  25                  30

Tyr His Cys Glu Tyr Val Pro Phe Glu Asn Pro Phe Ala Val Ile Phe
        35                  40                  45

Val Gly Phe Gly Glu Glu Ala Val Val Asn Ala Cys Ile Ile Leu Ser
```

50 55 60

Ser Lys Cys Ser Met Leu Ala Leu Leu Ile Ser Gly Asp Val Arg Xaa
65 70 75 80

Gln Leu Leu Ser Leu Xaa Lys
85

<210> 5990
<211> 71
<212> PRT
<213> Homo sapiens

<400> 5990
Arg Pro Ala Glu Asp Val Leu Gln Val Arg Glu Thr Gly Pro Gly Asn
1 5 10 15

Pro Ala Val Thr Glu Asp Tyr Ile Glu Phe Glu Asn Val Gly Ile Phe
20 25 30

Glu Asn Ala Pro Pro Lys Lys Leu Leu Met Ser Ser Gly Asn Val Arg
35 40 45

Arg Leu Ile Tyr Thr Asp Thr Ala Glu Glu Lys Gly Arg Arg Ile Lys
50 55 60

Asp Pro Val Leu Leu Pro Gly
65 70

<210> 5991
<211> 217
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5991

```
Gly Tyr Trp Thr Phe Asp Met Glu Cys Tyr Lys Lys Tyr Arg Lys Val
  1               5                  10                  15

Trp Gly Ile Tyr Asp Cys Gln Gln Pro Met Leu Ala Ile Thr Asp Pro
             20                  25                  30

Asp Met Ile Lys Thr Val Leu Val Lys Glu Cys Tyr Ser Val Phe Thr
         35                  40                  45

Asn Arg Xaa Pro Phe Gly Pro Val Gly Phe Met Lys Asn Ala Ile Ser
     50                  55                  60

Ile Ala Glu Asp Glu Glu Trp Lys Arg Ile Arg Ser Leu Leu Ser Pro
 65                  70                  75                  80

Thr Phe Thr Ser Gly Lys Leu Lys Glu Met Phe Pro Ile Ile Ala Gln
                 85                  90                  95

Tyr Gly Asp Val Leu Val Arg Xaa Leu Arg Arg Glu Ala Glu Lys Gly
            100                 105                 110

Lys Pro Val Thr Leu Lys Asp Xaa Phe Gly Ala Tyr Ser Met Asp Val
        115                 120                 125

Ile Thr Xaa Thr Ser Phe Gly Val Xaa Ile Asp Ser Leu Asn Asn Pro
    130                 135                 140

Gln Asp Pro Phe Val Glu Ser Thr Lys Lys Phe Leu Lys Phe Gly Phe
145                 150                 155                 160

Leu Asp Pro Leu Phe Leu Ser Ile Ile Leu Phe Pro Phe Leu Thr Pro
                165                 170                 175

Val Phe Glu Ala Leu Asn Val Ser Leu Phe Pro Lys Asp Thr Ile Asn
            180                 185                 190

Phe Leu Ser Lys Ser Val Asn Arg Met Lys Lys Ser Arg Leu Asn Asp
        195                 200                 205
```

Lys Gln Lys Val Lys Ser Asp Gly Gly
210 215

<210> 5992
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5992
Val Pro Pro Ala Cys Cys Ala Ser Arg Val Ala Arg Leu Gly Phe Ser
1 5 10 15

Arg Cys Thr Cys Pro Arg Trp Pro Gly Pro Xaa Ala Xaa Arg Ala Ala
20 25 30

Ala Gly Ala Leu Pro Arg Gly Gln Val Arg Ile Trp Pro Arg Ser His
35 40 45

Pro Ser Ser Thr Ala Arg Thr Pro His Ser Leu Pro Gln Ser Ile Cys
50 55 60

Leu Ser Pro Met Gly Lys Leu Ile Asn Phe Ala Leu Asp
65 70 75

<210> 5993
<211> 68
<212> PRT
<213> Homo sapiens

<400> 5993
Lys Met Leu Asn Arg Phe His Asp Cys Leu Leu Glu Asp Phe Lys Val
1 5 10 15

His Cys Gly Ser Ser Arg Arg Asn Pro Val Asn His Ser Ser His Leu
20 25 30

Pro Thr Gly Leu Phe Ser Asn Gly Ala Ser Cys Glu Ala Ser Gly Phe
35 40 45

Phe Cys Cys Cys Tyr Leu Phe Phe Phe Phe Asn Ala Leu Glu Asn Thr
50 55 60

Ala Leu Gly Tyr
65

<210> 5994
<211> 128
<212> PRT
<213> Homo sapiens

<400> 5994
Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Leu Leu Ser Pro Ala
1 5 10 15

Leu Pro Cys Thr Val His Ser Ser Ser Thr Met Ala Ser Arg Thr Pro
20 25 30

Arg Asn Cys Ala Val Leu Lys Gly Glu Val Asp Leu Thr Ala Leu Ala
35 40 45

Lys Glu Leu Arg Ala Val Glu Asp Val Arg Pro Pro His Lys Val Thr
50 55 60

Asp Tyr Ser Ser Ser Ser Glu Glu Ser Gly Thr Thr Asp Glu Glu Asp
65 70 75 80

Asp Asp Val Glu Gln Glu Gly Ala Asp Glu Ser Thr Ser Gly Pro Glu
85 90 95

Asp Thr Arg Ala Ala Ser Ser Leu Asn Leu Ser Asn Gly Glu Thr Glu
100 105 110

Ser Val Lys Thr Met Ile Val His Asp Asp Val Glu Ser Glu Pro Ala
115 120 125

<210> 5995
<211> 52
<212> PRT
<213> Homo sapiens

<400> 5995
His Ser Leu Lys Tyr Ile Tyr Leu Ile Thr Phe Tyr Asn Lys Glu Leu
1 5 10 15

Leu Ser Pro Asn Val Ile Ser Ala His Phe Glu Ile Pro Cys Tyr Arg
20 25 30

Trp Ser Leu Gln Thr Arg Lys Tyr Ser Ser Tyr Tyr Val Tyr Thr Leu
35 40 45

Val Leu Val Leu
50

<210> 5996
<211> 75
<212> PRT
<213> Homo sapiens

<400> 5996
Ile Ser Pro Gly Gln Ser Gly Met Leu Thr Gly Thr Asn Val Arg Asn
1 5 10 15

Cys Ile Val His Cys Thr Cys Cys Pro Val Pro Gln Ala Cys Gln Cys
20 25 30

Leu Glu Ile Leu Phe Gly Leu Leu Lys Pro Leu Phe Ile Glu Asn Phe
35 40 45

Cys Pro Tyr Arg Ser Val Cys Met Gly Leu Gly Lys Ser Thr Cys Val
50 55 60

Tyr Leu Ser Ser Glu Ala Gln Ile His Ser Asn
65 70 75

<210> 5997
<211> 63
<212> PRT
<213> Homo sapiens

<400> 5997
Pro Asp Leu Phe Ala His Arg Glu Val Pro Leu Ser Leu His Gly Leu
1 5 10 15

Ser Asp Leu Ile Pro Pro His Ser Gln Phe Gln Val Val Glu Gln Asp
20 25 30

Glu Ala Ala Pro Ser Pro Leu Pro His Pro Asp Ser Ala Ala Glu Phe

35 40 45

Ile Pro Gln Glu Arg Gly Ser Thr Asp Ser Val His Ala Cys Gly
50 55 60

<210> 5998
<211> 226
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (216)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (218)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5998
Xaa Ser Ala Ser Leu Xaa Glu Gln Lys Leu Glu Leu His Arg Gly Gly
1 5 10 15

Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr
20 25 30

Arg Ser Gly Gly Pro Arg Leu Pro Gln Ala Gln Lys Thr Ala Ala Leu
35 40 45

```
Pro Arg Thr Arg Gly Ala Gly Leu Leu Glu Ser Glu Leu Arg Asp Gly
     50                  55                  60

Ser Gly Lys Lys Val Ala Val Ala Asp Val Gln Phe Gly Pro Met Arg
 65                  70                  75                  80

Phe His Gln Asp Gln Leu Gln Val Leu Leu Val Phe Thr Lys Glu Asp
                85                  90                  95

Asn Gln Cys Asn Gly Phe Cys Arg Ala Cys Glu Lys Ala Gly Phe Lys
            100                 105                 110

Cys Thr Val Thr Lys Glu Ala Gln Ala Val Leu Ala Xaa Phe Leu Asp
        115                 120                 125

Lys His His Asp Ile Ile Ile Ile Asp His Arg Asn Pro Arg Gln Leu
    130                 135                 140

Asp Ala Glu Ala Leu Cys Arg Ser Ile Arg Ser Ser Lys Leu Ser Glu
145                 150                 155                 160

Asn Thr Val Ile Val Gly Val Val Arg Xaa Val Asp Arg Glu Glu Leu
                165                 170                 175

Ser Val Met Pro Phe Ile Ser Ala Gly Phe Thr Arg Arg Tyr Val Glu
            180                 185                 190

Asn Pro Asn Ile Met Ala Cys Tyr Asn Glu Leu Leu Gln Leu Glu Phe
        195                 200                 205

Gly Glu Gly Ala Ile Thr Thr Xaa Thr Xaa Gly Leu Leu Leu Lys Tyr
    210                 215                 220

Ser Leu
225
```

<210> 5999
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 5999
Gly Xaa Val Gly Pro Ser Leu Val Ser Arg Ile Glu Asn Ile Gln Asn

1 5 10 15

Asp Ile Ser Leu Val Ser Phe Glu Gly Asn Asn Gln Arg Trp Ser Thr
20 25 30

Gln Leu Leu Val Leu Leu Phe Thr Ile Ser His Leu Val Gln Ser Gly
35 40 45

Ser Tyr Ile
50

<210> 6000
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6000
Val Leu Asn Ser Met Leu Lys Ser Asn Trp Ile Trp Ser Arg Pro Thr
1 5 10 15

Pro Arg Val Val Ser Gly Val Phe Phe Gln Xaa Leu Ser Gln Thr Thr
20 25 30

Gln Val Xaa Leu Xaa Leu Xaa Ala Ala Leu Trp Xaa Gly Val Glu Gly

35 40 45

Gly Gly Gln Gln Met His Cys Arg Val Ile Phe Leu Gly Met Val Phe
50 55 60

Lys Lys Pro Glu Ile Phe Thr Arg Thr Ser Lys Thr Arg Ser Gly Glu
65 70 75 80

Leu Gly Arg

<210> 6001
<211> 146
<212> PRT
<213> Homo sapiens

<400> 6001
Arg Cys Pro Ile Ala Ser Glu Val Pro Trp Thr Ile Thr Glu Ala Glu
1 5 10 15

Leu Arg Val Thr Leu Thr Val Glu Gly Lys Ser Ile Pro Cys Leu Ile
20 25 30

Asp Thr Gly Ala Thr His Ser Thr Leu Pro Ser Phe Gln Gly Pro Val
35 40 45

Ser Leu Ala Pro Ile Thr Val Val Gly Ile Asp Gly Gln Ala Ser Lys
50 55 60

Pro Leu Lys Thr Pro Pro Leu Trp Cys Gln Leu Gly Gln His Ser Phe
65 70 75 80

Met His Ser Phe Leu Val Ile Pro Thr Cys Pro Leu Pro Leu Leu Gly
85 90 95

Arg Asn Ile Leu Thr Lys Leu Ser Ala Ser Leu Thr Ile Pro Gly Val
100 105 110

Gln Leu His Leu Ile Ala Ala Leu Leu Pro Asn Pro Lys Pro Pro Leu
115 120 125

Cys Pro Leu Thr Ser Pro Gln Tyr His Pro Leu Pro Gln Asp Leu Pro
130 135 140

Ser Ala
145

<210> 6002
<211> 111
<212> PRT
<213> Homo sapiens

<400> 6002
Ile Pro Tyr Ser Ala Tyr Ile Lys Ser Lys Met Trp Gly Arg Ser Leu
1 5 10 15

Leu Leu Pro Gly Gly Asp Gly Ser Pro Leu Thr Leu Leu Gly Glu Gly
20 25 30

Gly Ser Cys Trp Pro Val Gly Met Lys Val Leu Ala Pro His Leu Val
35 40 45

Phe Pro Asp Thr Thr Ala Val Gly Cys Trp Gly Ala Pro Leu Gln Pro
50 55 60

Phe Glu Cys Gly Ile Leu Gly Ser Pro Leu Asp Leu Pro Trp Cys Gly
65 70 75 80

Gln Arg Phe Phe Leu Trp Cys Leu Leu Gly Val Glu Gln Leu Ser Ser
85 90 95

Lys Ser Phe Leu Ser Cys Trp Asp Val Leu Phe Trp Ser Phe Ser
100 105 110

<210> 6003
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6003
Arg Trp Ala Leu Asp Leu Leu Ile Leu Val Lys Trp Val Trp Asp Leu
1 5 10 15

Leu Thr Phe Val Leu Arg Arg Asp Arg Pro Gly Lys Glu Leu Gly Glu
20 25 30

Val Ser Ser Lys Glu Arg Gly Val Gly Thr Arg Met Glu Glu Ser Gly
35 40 45

Leu Gln Ile Ala Phe Thr Ser Pro Phe Phe Leu Glu Ser Leu Ser Xaa
50 55 60

BNSDOCID: <WO__ 0122920A2_I_>

Arg
65

<210> 6004
<211> 427
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (301)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6004
Ala Ala Cys Cys Phe Ser Cys Trp Ala Ser Ser Gly Phe Ala Phe Val
1 5 10 15

Ala Ser Glu Pro Leu Ala Phe Lys Pro Leu Ser Leu Leu Leu Pro His
20 25 30

Thr Pro Leu Ser Leu Thr Pro Leu Phe Cys Cys Pro Val Thr Cys Pro
35 40 45

Lys Leu Cys Pro Glu Leu Arg Thr Phe Pro Phe Leu Ser Leu Glu Pro
50 55 60

Phe Phe Asp Ser Thr Lys Pro Ser Trp Tyr Pro Gly Met Thr Arg Leu
65 70 75 80

Leu Asp Ala Glu Trp Trp Arg Arg Ser Glu Ala Gly His Leu Arg Arg
85 90 95

Gln Val Ala Ala Val Leu Phe Phe Pro Glu Gly Thr Cys Ser Asn Lys
100 105 110

Lys Ala Leu Leu Lys Phe Lys Pro Gly Ala Phe Ile Ala Gly Val Pro
115 120 125

Val Gln Pro Val Leu Ile Arg Tyr Pro Asn Ser Leu Asp Thr Thr Ser
130 135 140

Trp Ala Trp Arg Gly Pro Gly Val Leu Lys Val Leu Trp Leu Thr Ala
145 150 155 160

Ser Gln Pro Cys Ser Ile Val Asp Val Glu Phe Leu Pro Val Tyr His
165 170 175

Pro Ser Pro Glu Glu Ser Arg Asp Pro Thr Leu Tyr Ala Asn Asn Val

180 185 190

Gln Arg Val Met Ala Gln Ala Leu Gly Ile Pro Ala Thr Glu Cys Glu
195 200 205

Phe Val Gly Ser Leu Pro Val Ile Val Val Gly Arg Leu Lys Val Ala
210 215 220

Leu Glu Pro Gln Leu Trp Glu Leu Gly Lys Val Leu Arg Lys Ala Gly
225 230 235 240

Leu Ser Ala Gly Tyr Val Asp Ala Gly Ala Glu Pro Gly Arg Ser Arg
245 250 255

Met Ile Ser Gln Glu Glu Phe Ala Arg Gln Leu Gln Leu Ser Asp Pro
260 265 270

Gln Thr Val Ala Gly Ala Phe Gly Tyr Phe Gln Gln Asp Thr Lys Gly
275 280 285

Leu Val Asp Phe Arg Asp Val Ala Leu Ala Leu Ala Xaa Leu Asp Gly
290 295 300

Gly Arg Ser Leu Glu Glu Leu Thr Arg Leu Ala Phe Glu Leu Phe Ala
305 310 315 320

Glu Glu Gln Ala Glu Gly Pro Asn Arg Leu Leu Tyr Lys Asp Gly Phe
325 330 335

Ser Thr Ile Leu His Leu Leu Leu Gly Ser Pro His Pro Ala Ala Thr
340 345 350

Ala Leu His Ala Glu Leu Cys Gln Ala Gly Ser Ser Gln Gly Leu Ser
355 360 365

Leu Cys Gln Phe Gln Asn Phe Ser Leu His Asp Pro Leu Tyr Gly Lys
370 375 380

Leu Phe Ser Thr Tyr Leu Arg Pro Pro His Thr Ser Arg Gly Thr Ser
385 390 395 400

Gln Thr Pro Asn Ala Ser Ser Pro Gly Asn Pro Thr Ala Leu Ala Asn
405 410 415

Gly Thr Val Gln Ala Pro Lys Gln Lys Gly Asp
420 425

<210> 6005
<211> 68

<212> PRT
<213> Homo sapiens

<400> 6005
Ile Tyr Thr Asn Arg Lys Leu Gly Thr Asn Leu Leu Cys Leu Trp Leu
1 5 10 15

Leu Tyr Asn Tyr Gln Gly Lys Gly Asn Leu Pro Ile Lys Tyr Lys Val
20 25 30

Val Lys Phe Lys Ile Thr Ile Ile Asn Asn Val Leu Leu Leu Gln Asn
35 40 45

Glu Met Leu Gly Leu Ile Ile Glu Gly Ser Ser Thr Val Glu Ile Glu
50 55 60

Leu Asn Gly Ser
65

<210> 6006
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6006
Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Val Lys Leu Xaa Phe
1 5 10 15

Xaa Tyr Gln Tyr Met His Val Leu Cys Met Ser Ser Thr Cys Val Asp
20 25 30

Thr Pro Val Asp Val Lys Leu Leu Tyr Asn Ile Asn Ser Met Cys Phe
35 40 45

Tyr Ile Ser Leu Cys Lys Phe Asn Ile Thr Tyr Ala Val Ile Asn His
50 55 60

Leu Phe Tyr Cys Cys
65

<210> 6007
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6007
Gln Met Glu Gly Tyr Phe Ser Val Leu Ala Phe Gln Leu Tyr Val Gly
1 5 10 15

Lys Leu Pro Val Leu Leu Gln Val Gln Ser Thr Leu Asp Asp Leu Ser
20 25 30

Ile Asn Tyr Ser Gly Cys Asn Ser Pro Lys Xaa Ser Ser Tyr Ile Phe
35 40 45

Trp Leu Ile Pro Pro His Leu Ser Ile Gln Ser Asp Gly Lys Arg Gly
50 55 60

```
Arg Trp Ile Leu Met Ser Cys Xaa Leu Xaa Pro Tyr Phe Gln Val Leu
 65                  70                  75                  80

Trp Trp Xaa Arg Xaa Asn Ile Cys Gln Xaa Ser Gly Phe Leu Ala Arg
                 85                  90                  95

Cys
```

<210> 6008
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6008

```
Ile Ile Leu Tyr Gln Gly Gln Arg Asp Phe Cys Arg Thr Ser Pro Leu
  1               5                  10                  15

Glu Glu Leu Ser Leu Gly Arg Asn Thr Arg Ile Asn Ile Ser Thr Tyr
             20                  25                  30

Ser Ser Pro Lys Asn Phe Pro Pro His Tyr Ser His Leu Pro Ile Asn
         35                  40                  45

Asn Leu Leu Trp Val Asn Ile Gln His Ser Val Leu Val Gln Ser Ile
     50                  55                  60

Cys Ser Ala Ile Thr Val Xaa Ser Thr Xaa
 65                  70
```

<210> 6009
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6009
Met Pro Gly Ile Val Cys Lys Gly Ile Val Asp Asn Lys Val Ile Leu
1 5 10 15

Met Thr Arg Xaa Lys Ser Phe Leu Leu Ser Leu Ile Arg Pro Leu Val
20 25 30

Gly Trp Gly Val Gly Arg Arg Val Val Leu Thr Glu Ser Phe Lys
35 40 45

<210> 6010
<211> 150
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6010
Gly Val Tyr Leu Asn Val Leu Pro Ser Pro Phe Pro Ser Arg Leu Cys
1 5 10 15

Ser Phe Glu Gly Leu Gly Val Cys Ser Arg Pro Cys Cys Leu Ala Gln
20 25 30

Asn Met Leu Arg Lys Val Leu Arg Thr His Phe Phe Pro Ile Lys Pro
35 40 45

Ile Ser Phe Pro Asn His Lys Gly Val Cys Asp Ser Ser Pro Arg Glu

```
     50                  55                  60

Thr Lys Glu Leu Gln Xaa Gly Val Trp Phe Ser Pro Val Gln Thr His
 65                  70                  75                  80

Pro Glu Leu Xaa Arg Cys Leu Ser Asn Thr Leu Ser Leu Pro Lys Gln
                85                  90                  95

Pro Val Gln Thr Phe Ser Leu Gly His Glu Ala Pro Arg Val Leu Pro
            100                 105                 110

Val Pro Xaa Ser Asp Ala Tyr Leu Ser Ala Glu Pro Gln Asn Leu Cys
        115                 120                 125

Ser Gly Asn Ala Val His Leu Leu Ser Val Gly Ser Glu His Ile Val
    130                 135                 140

Leu Xaa Asp Thr Ser Phe
145                 150
```

<210> 6011
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6011
Val Leu Arg Met Gln His Gly Ser Gly Phe Gly Ile Xaa Phe Asn Ala
1 5 10 15

Thr Asp Ala Leu Arg Cys Val Asn Asn Tyr Gln Gly Met Leu Lys Val
20 25 30

Ala Cys Ala Glu Glu Trp Gln Glu Ser Arg Thr Glu Gly Glu His Ser
35 40 45

Lys Glu Val Ile Lys Pro Tyr Asp Trp Thr Tyr Xaa Xaa Asp Tyr Lys
50 55 60

Gly Xaa Leu Leu Gly Glu Ser Leu Lys Leu Lys Val Xaa Ser Ile
65 70 75

<210> 6012
<211> 81
<212> PRT
<213> Homo sapiens

<400> 6012
Ile Phe Arg Ser Asp Phe Leu Leu His Phe Tyr Leu Thr Lys Glu Thr
1 5 10 15

Gly His Thr Pro Trp Phe Arg Asp Val Val Ile Ala Tyr Leu Pro Val
20 25 30

Phe Lys Lys Cys Phe Leu Gln Leu Leu Ser Thr Thr Val Leu Ser Leu
35 40 45

Met Asn Thr Val Val Ser His Pro Asn Ser Cys Thr Glu Ile Ile Ser
50 55 60

His Glu Ser Phe Ser Asn Ile Ser Asn Glu Ser Phe Ser Asn Leu Gly
65 70 75 80

Ala

<210> 6013
<211> 112
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6013

```
Gln Leu Pro Val Gln Gly His Gly Leu Phe Gly Ala Gln Glu Val Leu
 1               5                  10                  15

Asn His Val Leu Arg Asp Ile Glu Leu Phe Met Gly Lys Leu Glu Lys
            20                  25                  30

Ala Gln Ala Lys Thr Ser Xaa Lys Lys Lys Phe Gly Lys Lys Asn Lys
        35                  40                  45

Asp Gln Gly Gly Leu Thr Gln Ala Gln Tyr Ile Asp Cys Phe Gln Lys
    50                  55                  60

Ile Lys His Ser Phe Asn Leu Leu Gly Arg Leu Ala Thr Trp Leu Lys
65                  70                  75                  80

Glu Thr Ser Ala Pro Glu Leu Val His Ile Leu Phe Lys Xaa Leu Asn
                85                  90                  95

Phe Xaa Leu Ala Arg Cys Pro Glu Ala Gly Xaa Ala Ala Gln Val Ile
            100                 105                 110
```

<210> 6014
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6014
Leu Glu Glu Asp Ile Ser Lys Lys Met Asp Lys Asp Glu Glu Ala Leu
1 5 10 15

Lys Ala Ala Gln Ala Glu Leu Xaa Glu Ala Arg Arg Gln Trp His His
20 25 30

Leu Gln Val Glu Ile Glu Ser Leu His Ala Val Glu Arg Gly Leu Glu
35 40 45

Asn Ser Leu His Ala Xaa Glu Gln His Tyr Gln Met Gln Leu Gln Asp
50 55 60

Leu Glu Thr Val Xaa Xaa Gly Leu Glu Lys Glu Leu Gln Xaa Val Lys
65 70 75 80

Xaa Xaa Xaa Xaa Lys Ala Ala Phe Lys Xaa Thr Xaa Xaa Xaa Phe
85 90 95

<210> 6015
<211> 29
<212> PRT
<213> Homo sapiens

<400> 6015
Leu Arg Ala His Thr Val Arg His Glu Glu Lys Val Pro Cys His Val
1 5 10 15

Cys Gly Lys Met Leu Ser Pro Ala Asp Pro Phe Asn Phe
20 25

<210> 6016
<211> 53

<212> PRT
<213> Homo sapiens

<400> 6016
Gln Gly Pro Thr Glu Val Lys Glu Gly Gly Trp Glu Cys Tyr Ser Leu
1 5 10 15

Glu Trp Arg Cys Asp Phe Ser Arg Trp Lys Val Val Phe Leu Lys Gly
20 25 30

Ile Gly Arg Ser Arg Phe Leu Leu Ile Gln Ile His Phe Pro Pro Thr
35 40 45

Glu Gly Arg Asn Tyr
50

<210> 6017
<211> 29
<212> PRT
<213> Homo sapiens

<400> 6017
Pro Arg Val Val Phe His Leu Asn Leu His Pro Pro Pro Pro Gly Asp
1 5 10 15

Tyr Phe Glu Ile Asn Leu Arg His Gln Gly Gln Ala Gln
20 25

<210> 6018
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6018
Ser Phe His Asn Thr Leu Ala Phe Pro Tyr Leu Tyr Gly Leu Tyr Leu
1 5 10 15

Val Asn Leu Asn Lys Asn Leu Asp Phe Lys Lys Asn Trp Glu Arg Arg
20 25 30

Xaa Val Ile Leu Leu Ala Phe Ser Ser Leu Asp Val Gly Ser His Asn
35 40 45

Ser Asn Ile Glu Gly Lys Phe Cys Phe Cys Lys Ile Gly Leu Lys Leu
50 55 60

Arg Ser Phe His Glu Arg Xaa Xaa Xaa Thr Cys Thr Ser Ala
65 70 75

<210> 6019
<211> 59
<212> PRT
<213> Homo sapiens

<400> 6019
Ser Ala Thr Cys Leu Phe Glu Val Leu Tyr Gln Ser Val Thr Arg Ala
1 5 10 15

Phe Cys Val Cys Ala Ile Leu Cys Leu Ser Phe Lys Val Ala Pro Lys
20 25 30

Val Ser His Leu Ala Phe Gln Gln Gly His Phe Leu Ser Phe Tyr Asn
35 40 45

Met Gln Tyr Ile Cys Asn Asp Leu Ala Phe Phe
50 55

<210> 6020
<211> 62
<212> PRT
<213> Homo sapiens

<400> 6020
Arg Ser His Ile Leu Leu Leu Ser Gly Cys Phe Ser Ile Leu Cys Pro

```
  1               5                  10                  15

Phe Pro Gln Gln Gln Val Gly Pro Arg Leu Cys Thr Ala Leu Arg Cys
            20                  25                  30

Arg Trp Tyr Arg Asp Asn Cys Leu Asn Ser Cys Ala Asp Phe Cys Asn
        35                  40                  45

Ser Ala Val Glu Thr Lys Val Leu Glu Ser Val Leu Ser Met
    50                  55                  60
```

<210> 6021
<211> 216
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6021

```
Ser Gly Gly Ser Ser Val His Leu Ser Asp Pro Val Ala Pro Ser Ser
  1               5                  10                  15

Ala Gly Leu Tyr Phe Glu Pro Glu Pro Ile Ser Ser Thr Pro Asn Tyr
            20                  25                  30

Leu Gln Arg Gly Glu Phe Xaa Ser Cys Val Ser Cys Glu Glu Asn Ser
        35                  40                  45

Ser Cys Leu Asp Gln Ile Phe Asp Ser Tyr Leu Gln Thr Glu Met His
    50                  55                  60

Pro Glu Pro Leu Leu Asn Ser Thr Gln Ser Ala Pro His His Phe Pro
65                  70                  75                  80

Asp Ser Phe Gln Ala Thr Pro Phe Cys Phe Asn Gln Ser Leu Ile Pro
                85                  90                  95

Gly Ser Pro Ser Asn Ser Ser Ile Leu Ser Gly Ser Leu Asp Tyr Ser
            100                 105                 110

Tyr Ser Pro Val Gln Leu Pro Ser Tyr Ala Pro Glu Asn Tyr Asn Ser
        115                 120                 125

Pro Ala Ser Leu Asp Thr Arg Thr Cys Gly Tyr Pro Pro Glu Asp His
    130                 135                 140
```

```
Ser Tyr Gln His Leu Ser Ser His Ala Gln Tyr Ser Cys Phe Ser Ser
145                 150                 155                 160

Ala Thr Thr Ser Ile Cys Tyr Cys Ala Ser Cys Glu Ala Glu Asp Leu
                165                 170                 175

Asp Ala Leu Gln Ala Ala Glu Tyr Phe Tyr Pro Ser Thr Asp Cys Val
            180                 185                 190

Asp Phe Ala Pro Ser Ala Ala Ala Thr Ser Asp Phe Tyr Lys Arg Glu
        195                 200                 205

Thr Asn Cys Asp Ile Cys Tyr Ser
    210                 215
```

<210> 6022
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6022

```
Ser Lys Arg Arg Asp Lys Lys Arg Gly Gly Val Gly Ser Arg Lys Gln
  1               5                  10                  15

Ser Leu Asn Phe Ser Arg Thr Gln Leu Ser Leu Arg Xaa Asn Phe Leu
            20                  25                  30

Leu Ser Leu Trp Asp Ala Ile Val Ile Phe Asn
        35                  40
```

<210> 6023
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6023
Pro Pro Cys Xaa Leu Arg Cys Val Xaa Glu Thr Gly Ser Asn Thr Thr
1 5 10 15

His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro
20 25 30

Gly Ser Thr His Ala Ser Glu Ile Ser Trp Pro Tyr Phe Leu Ser Gly
35 40 45

Asn Leu Leu Thr Met Met Trp
50 55

<210> 6024
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6024
Asp Ala Ile Lys Val Lys Glu Tyr Asn Asn Leu Leu Asn Ala Leu Gln
1 5 10 15

BNSDOCID: <WO_ 0122920A2 I_>

Met Asp Ser Asp Glu Met Lys Lys Ile Leu Ala Glu Asn Ser Arg Lys
20 25 30

Ile Xaa Val Leu Gln Val Asn Glu Lys Ser Xaa Ile Arg Gln Tyr Xaa
35 40 45

Xaa Leu Val Glu Leu Glu Arg Gln Leu Xaa Lys Glu Asn Glu Lys Gln
50 55 60

Lys Asn Glu Leu Leu Ser Met Glu Ala Glu Val Cys Glu Lys Ile Gly
65 70 75 80

Cys Leu Gln

<210> 6025
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6025
His Val Xaa Asp Val Ile Leu Glu Val Asn Gly Tyr Pro Val Gly Gly
1 5 10 15

Gln Asn Asp Leu Glu Arg Leu Gln Gln Leu Pro Glu Ala Glu Pro Pro
20 25 30

Leu Cys Leu Lys Leu Ala Ala Arg Ser Leu Arg Gly Leu Glu Ala Trp
35 40 45

Xaa Pro Pro Gly Ala Ala Glu Asp Trp Ala Leu Ala Ser Asp Leu Leu
50 55 60

<210> 6026
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6026
Gly Ser Ser Ser Leu Ala Gly Trp Leu His Xaa Pro Trp Ala Pro Gln
1 5 10 15

Ile Ile Lys Ser Thr Phe Ser Val Ser Gly Ile Cys Met Thr Ser Leu
20 25 30

Glu Val Pro Cys Trp Val Val Ile Leu Val Ser Asp Gly Thr His Leu
35 40 45

Asn Leu Lys Tyr Phe Cys Gln Gly Ser Gly Gly Phe Met Ala Cys Ser
50 55 60

Ser Pro Ala Leu Leu Gly Arg Leu Gln Arg Cys His Leu Ala Leu Ser
65 70 75 80

Pro Lys Asn Phe Glu Thr Gln Pro Gly Ala Xaa Arg Gly Leu Lys Xaa
85 90 95

Ser Xaa Phe Pro Phe Lys Asn Tyr Gln Lys Ile Arg Pro
100 105

<210> 6027
<211> 146

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6027

```
Arg Asp Glu Asn Thr Met Lys Asn Ile Phe Ser Lys Lys Arg Lys Leu
  1               5                  10                  15

Glu Val Ala Cys Ser Asp Cys Glu Val Glu Val Leu Pro Leu Gly Leu
             20                  25                  30

Glu Thr His Pro Arg Thr Ala Lys Thr Glu Lys Cys Pro Pro Lys Phe
         35                  40                  45

Ser Asn Asn Pro Lys Glu Leu Thr Met Glu Thr Lys Tyr Asp Asn Ile
     50                  55                  60

Ser Arg Ile Gln Tyr His Ser Val Ile Arg Asp Pro Glu Ser Lys Thr
 65                  70                  75                  80

Ala Ile Phe Gln His Asn Gly Lys Lys Met Glu Phe Val Ser Ser Glu
                 85                  90                  95

Ser Val Thr Xaa Glu Asp Asn Asp Gly Phe Lys Pro Pro Xaa Glu His
            100                 105                 110

Leu Asn Ser Lys Thr Lys Gly Ala Gln Lys Asp Ser Ser Ser Asn His
        115                 120                 125

Val Asp Glu Phe Glu Asp Asn Leu Leu Ile Gly Ile Gln Met Trp Xaa
    130                 135                 140

Arg Tyr
145
```

BNSDOCID: <WO___0122920A2_I_>

<210> 6028
<211> 222
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (221)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6028

```
Lys Ala Pro Ala Ser Thr Cys Pro Arg Arg Pro Thr Gly Ala Ala Cys
  1               5                  10                  15

Cys Val Asn Trp Arg Ser Pro Lys Gly Pro Gly Arg Pro Pro Gly Ser
             20                  25                  30

Ala Pro Pro Thr Xaa Ala Gln Arg His Pro Leu Cys Ser Arg Asn Gln
         35                  40                  45

Pro Pro Thr Leu Pro Arg Thr Arg Pro Gln Ser Pro Ala Ala Pro Ser
     50                  55                  60

Thr Pro Thr Cys Gln Pro Ala Gly Ser Ser Ala Leu Trp Ser Pro Ser
 65                  70                  75                  80

Ser Thr Cys Leu Pro Ala Pro Ala Trp Val Pro Val Pro Pro Ser Pro
                 85                  90                  95

Arg Thr Trp Thr Met Arg Ala Val Ile Lys Pro Arg Leu Lys Met Lys
            100                 105                 110

Met Arg Met Ser Ser Arg Met Lys Thr Arg Met Arg Thr Arg Met Arg
        115                 120                 125

Met Glu Ser Arg Ala Ser Gln Ser Leu Glu Arg Arg Pro Arg Ser Ala
    130                 135                 140

Thr Pro Trp Thr Trp Ala Thr Val Thr His His Glu Val Pro Thr Ser
145                 150                 155                 160

His Ser Ile Pro Cys Ser Val Arg Val Ala Ala His His Thr Ser Pro
                165                 170                 175

Cys Gln Glu Gln Glu Ser Pro Gln Ala Glu Cys Pro Arg Gly Ala Leu
            180                 185                 190
```

BNSDOCID: <WO__ 0122920A2 1 >

Leu Arg Leu Ser Arg Glu Pro Val Lys Glu Ile Glu Ile Lys Pro Val
195 200 205

Leu Leu Gly His Arg Phe Ala Val Leu Lys Lys Lys Xaa Asn
210 215 220

<210> 6029
<211> 49
<212> PRT
<213> Homo sapiens

<400> 6029
Phe Val Glu Val Gly Met Ile Trp Gln Ser Leu Lys Phe Ile Leu Gly
1 5 10 15

Arg Arg Trp Gln Lys Ser Gly Val Tyr Gln Val Met Arg Phe Leu Leu
20 25 30

Thr His Gln Pro Asn Phe Cys Ser Phe Cys Thr Ser Glu Met Lys Lys
35 40 45

Arg

<210> 6030
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6030
Asp Thr Glu Ala Asp Val Leu Gly Leu Val Ala Ser Gly Thr Pro Asp
1 5 10 15

Val Ala Arg Ala Met Thr His Thr Leu Leu Arg His Leu Ala Ala Arg
20 25 30

Pro Pro Thr Gln Ala Gln His Gln His Gln Cys Pro Xaa Cys Leu Leu
35 40 45

Pro Leu Pro Gly Val Leu Thr Gly Trp Gly Trp Val Trp Gln Lys Ala
50 55 60

Glu Leu Ser Glu Ala Trp Gly Gln Glu
65 70

<210> 6031
<211> 55
<212> PRT
<213> Homo sapiens

<400> 6031
Asn Asn Phe Tyr Ile Leu Tyr Phe Pro Thr Lys Gln Asn Arg Asp Gln
1 5 10 15

Tyr Ser His Leu Leu Ser Asp His Phe Leu Pro Tyr Gln Gly His Asn
20 25 30

Ser Phe Arg Glu Lys Tyr Phe Ser Gly Val Thr Lys Arg Ile Ala Lys
35 40 45

Glu Glu Lys Ser Thr Gln Glu
50 55

<210> 6032
<211> 147
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6032
Val Phe Arg Glu His Arg Xaa Ser Val Ile Cys Leu Glu Leu Val Asn
1 5 10 15

Arg Leu Val Tyr Xaa Gly Ser Xaa Asp Arg Thr Val Lys Cys Trp Leu
20 25 30

Ala Asp Thr Gly Glu Cys Val Xaa Thr Phe Thr Ala His Arg Arg Asn
35 40 45

Val Ser Ala Leu Lys Tyr His Ala Gly Thr Leu Phe Thr Gly Ser Gly
50 55 60

Asp Ala Cys Ala Arg Ala Phe Asp Ala Gln Ser Gly Glu Leu Arg Arg
65 70 75 80

Val Phe Arg Gly His Thr Phe Ile Ile Asn Cys Ile Gln Val His Gly
85 90 95

Gln Val Leu Tyr Thr Ala Ser His Asp Gly Ala Leu Arg Leu Trp Asp
100 105 110

Val Arg Gly Leu Arg Gly Ala Pro Arg Ser Pro Pro Pro Met Arg Ser
115 120 125

Leu Ser Arg Leu Phe Ser Asn Lys Val Gly Cys Ala Val Ala Pro Leu
130 135 140

Gln Pro Ala
145

<210> 6033
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6033
Gly Asn Arg Ala Arg Leu His Leu Lys Lys Arg Lys Lys Asn Cys Asn
1 5 10 15

Ser Tyr Thr Leu Ala Leu Leu Leu Tyr His Cys Val Ile Leu Lys Thr
20 25 30

Thr Xaa Ile Tyr Tyr Thr Gly Thr Cys Leu Leu Ser Ile Ser Thr Thr

BNSDOCID: <WO__0122920A2_I_>

35 40 45

Lys Met Glu Ala Pro Thr Ala Ile Arg Leu Ile Ser Leu Pro Gly Pro
50 55 60

Ile Leu Ile Met Leu Leu
65 70

<210> 6034
<211> 162
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6034
Glu His Leu Glu Arg Met Leu Gly Gln Ala Gly Glu Arg Arg Ala Asp
1 5 10 15

Val Tyr Val Gly Val Asp Val Phe Ala Arg Gly Asn Val Val Gly Gly
20 25 30

Arg Phe Asp Thr Asp Lys Ser Leu Glu Leu Ile Arg Lys His Gly Phe
35 40 45

Ser Val Ala Leu Phe Ala Pro Gly Trp Val Tyr Glu Cys Leu Glu Lys
50 55 60

Lys Asp Phe Phe Gln Asn Gln Asp Lys Phe Trp Gly Arg Leu Glu Arg
65 70 75 80

Tyr Leu Pro Thr His Ser Ile Cys Ser Leu Pro Phe Val Thr Ser Phe
85 90 95

Cys Leu Gly Met Gly Ala Arg Arg Val Cys Tyr Gly Gln Glu Glu Ala
100 105 110

Val Gly Pro Trp Tyr His Leu Ser Ala Gln Glu Ile Gln Pro Leu Phe
115 120 125

Gly Glu His Arg Leu Gly Xaa Asp Gly Arg Gly Trp Val Arg Thr His
130 135 140

Cys Cys Leu Glu Asp Ala Trp His Gly Gly Ser Ser Leu Leu Val Arg
145 150 155 160

Gly Val

<210> 6035
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6035
Lys Tyr Tyr Thr Cys Glu Thr Asp Xaa Glu Asn Gln Cys Gly Xaa Gly
1 5 10 15

Val Val His Ile Asn Tyr Leu Xaa Ser Thr Xaa His Lys Ser Gln Ala
20 25 30

Cys Lys Ile Ser Gly Leu Ala Pro Glu Arg Gln Ile Pro His Asp Leu
35 40 45

Thr Asp Met Xaa Xaa Leu Lys Lys Ser Asn Ser Glu Gln Arg Val Glu

50 55 60

<210> 6036
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6036
Gly Val Leu His Phe Cys Gly Lys Ser Pro Phe Trp Arg Ser Ser Thr
1 5 10 15

Gly Arg Phe Leu Gly Cys Tyr Asn Gln Asp Phe Ser Thr Thr Thr Leu
20 25 30

Leu Val Phe Gly Ala Arg Val Ile Leu Cys Xaa Trp Gly Gly Gln Phe
35 40 45

Ile Val Gly Cys Phe Thr Ala Ser Ile Pro Leu Ser Tyr Ser Leu Gln
50 55 60

Gly Lys Thr Thr Lys Asn Val Pro Arg His Xaa Gln Ile Ser Pro Gly
65 70 75 80

Gly Gln Ser Phe Ile
85

<210> 6037
<211> 214
<212> PRT
<213> Homo sapiens

<400> 6037
Leu Ser Leu Arg Asn Ala Lys Tyr Ser Phe Pro Gln Glu Leu Ile Ser
1 5 10 15

```
Leu Phe Ser Met Thr Asp Leu Asn Asp Asn Ile Cys Lys Arg Tyr Ile
            20                  25                  30

Lys Met Ile Thr Asn Ile Val Ile Leu Ser Leu Ile Ile Cys Ile Ser
        35                  40                  45

Leu Ala Phe Trp Ile Ile Ser Met Thr Ala Ser Thr Tyr Tyr Gly Asn
    50                  55                  60

Leu Arg Pro Ile Ser Pro Trp Arg Trp Leu Phe Ser Val Val Val Pro
65                  70                  75                  80

Val Leu Ile Val Ser Asn Gly Leu Lys Lys Lys Ser Leu Asp His Ser
                85                  90                  95

Gly Ala Leu Gly Gly Leu Val Val Gly Phe Ile Leu Thr Ile Ala Asn
            100                 105                 110

Phe Ser Phe Phe Thr Ser Leu Leu Met Phe Phe Leu Ser Ser Ser Lys
        115                 120                 125

Leu Thr Lys Trp Lys Gly Glu Val Lys Lys Arg Leu Asp Ser Glu Tyr
    130                 135                 140

Lys Glu Gly Gly Gln Arg Asn Trp Val Gln Val Phe Cys Asn Gly Ala
145                 150                 155                 160

Val Pro Thr Glu Leu Ala Leu Leu Tyr Met Ile Glu Asn Gly Pro Gly
                165                 170                 175

Glu Ile Gln Ser Ile Phe Pro Ser Ser Thr Pro Leu Pro Gly Cys Val
            180                 185                 190

Cys Leu Ser Trp Leu His Trp Pro Ala Leu Leu Glu Thr His Gly Leu
        195                 200                 205

Gln Lys Leu Ala Gln Phe
    210
```

<210> 6038
<211> 65
<212> PRT
<213> Homo sapiens

<400> 6038

```
Phe Phe Tyr Asn Thr Lys Val Thr Thr Trp Asn Phe Lys Asp Asn Val
  1               5                  10                  15
```

BNSDOCID: <WO__0122920A2_I >

```
Met Cys Val Cys Glu Ile Tyr Ile His Ile Tyr Ile Tyr Phe Leu Lys
             20                  25                  30

Glu Glu Lys Ile Pro Phe Cys Ser Thr Cys Ile Asn Ser Ser Phe Leu
         35                  40                  45

Ile Ala Val Lys Trp Gln Leu Leu Ile Asn Tyr Cys Asp Cys Phe Lys
     50                  55                  60

Ile
 65
```

<210> 6039
<211> 55
<212> PRT
<213> Homo sapiens

<400> 6039

```
Lys Ala Gly Phe Arg Gln Ser Val His Phe Tyr Ser Lys Ile Gly Val
  1               5                  10                  15

Ser Val Tyr Ile Tyr Leu Lys Leu Asn Arg Ser Asp Phe Tyr Phe Leu
             20                  25                  30

Gly Tyr Ser Arg Ser Ile Leu Lys Leu Leu Phe Lys Ile Leu Lys Pro
         35                  40                  45

His Phe Lys Ser Cys Arg Pro
     50                  55
```

<210> 6040
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6040

```
Gln Leu Gln Ile Asn Arg Tyr Thr Pro Tyr Thr Ile Thr Asn Thr Phe
```

```
  1               5                  10                  15

Tyr Thr Val His Ile Ser Val His Gln His Tyr Phe Ile Tyr Thr Leu
            20                  25                  30

Phe Xaa Xaa Ile Asn Ile Phe Leu Asn Trp Asp Tyr Cys Pro Tyr Ala
        35                  40                  45

Leu Tyr Phe Leu Phe Gln
    50
```

<210> 6041
<211> 77
<212> PRT
<213> Homo sapiens

<400> 6041

```
Leu Leu Thr Thr Trp Val Lys Gly Lys Arg Gln Met Ala Ser Lys Pro
  1               5                  10                  15

Leu Val Cys Leu Ser Ser Ser Gly Ser Glu Glu Ile Thr Ser Ala Phe
            20                  25                  30

Leu Pro Glu Glu Phe Gly Val Phe Lys Gly Gly Trp Gly Gly Cys His
        35                  40                  45

Phe Glu Asn Met Leu Leu Phe Leu Leu Ile Val Leu Arg Leu Ile Trp
    50                  55                  60

Lys Gly Tyr Phe Phe Leu Ala Asn Thr Phe Trp Tyr Phe
65                  70                  75
```

<210> 6042
<211> 218
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (202)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (208)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (216)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6042

```
His Ile Glu Met Ala Leu Pro Lys Asp Ala Ile Pro Ser Leu Ser Glu
  1               5                  10                  15

Cys Gln Cys Gly Ile Cys Met Glu Ile Leu Val Glu Pro Val Thr Leu
             20                  25                  30

Pro Cys Asn His Thr Leu Cys Lys Pro Cys Phe Gln Ser Thr Val Glu
         35                  40                  45

Lys Ala Ser Leu Cys Cys Pro Phe Cys Arg Arg Arg Val Ser Ser Trp
     50                  55                  60

Thr Arg Tyr His Thr Arg Arg Asn Ser Leu Val Asn Val Glu Leu Trp
 65                  70                  75                  80

Thr Ile Ile Gln Lys His Tyr Pro Arg Glu Cys Lys Leu Arg Ala Ser
                 85                  90                  95

Gly Gln Glu Ser Glu Glu Val Ala Asp Asp Tyr Gln Pro Val Arg Leu
            100                 105                 110

Leu Ser Lys Pro Gly Glu Leu Arg Arg Glu Tyr Glu Glu Glu Ile Ser
        115                 120                 125

Lys Val Ala Ala Xaa Arg Arg Ala Ser Glu Glu Glu Glu Asn Lys Ala
    130                 135                 140

Ser Glu Glu Tyr Ile Gln Arg Leu Leu Ala Glu Glu Glu Glu Glu Glu
145                 150                 155                 160

Lys Arg Gln Ala Glu Lys Arg Arg Arg Ala Met Glu Glu Gln Leu Lys
                165                 170                 175

Ser Asp Glu Glu Leu Ala Arg Lys Leu Ser Ile Asp Ile Asn Asn Phe
            180                 185                 190

Cys Glu Gly Ser Ile Ser Ala Ser Pro Xaa Glu Phe Gln Lys Asn Xaa
        195                 200                 205

Val Pro Val Thr Pro Lys Ser Xaa Lys Arg
```

210 215

<210> 6043
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6043
Trp Pro Gly Xaa Trp Thr Leu Ala Thr Glu Leu Leu His Arg Ala Trp
1 5 10 15

Cys Pro Gln Ala Ser Arg Leu Gly Leu Glu Pro Gly Met Ser Pro Gly
20 25 30

Ser Ala Leu Ala Leu Leu Trp Ser Leu Pro Ala Ser Asp Leu Gly Arg
35 40 45

Ser Val Ile Ala Gly Leu Trp Pro His Thr Gly Val Leu Ile His Leu
50 55 60

Glu Thr Ser Gln Ser Phe Leu Gln Gly Gln Leu Thr Lys Ser Ile Phe
65 70 75 80

Pro Leu Cys Cys Thr Ser Leu Phe Cys Val Cys Val Val Thr Val Gly
85 90 95

Gly Gly Arg Val Gly Ser Thr Phe Val Ala
100 105

<210> 6044
<211> 67
<212> PRT
<213> Homo sapiens

<400> 6044
Ile Pro Ala Pro Leu Tyr His Leu Phe Leu Pro Leu Lys Gly Lys Thr
1 5 10 15

Phe His Pro Ser Lys Leu Thr Ala Phe Ser Val Gly Phe Ser Tyr Ala
20 25 30

Leu His Thr Leu Asp Leu Thr Cys Arg Tyr Ser Ser Pro Leu Ala Arg

35 40 45

Ser Ile Cys Met Trp Tyr Phe Ser Phe Pro Ser Val Asp Ile Ser Tyr
50 55 60

Met Ile Phe
65

<210> 6045
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6045
His Val Val Tyr Pro Arg Lys Leu Gly Arg Pro Leu Pro Ser Gln Ala
1 5 10 15

Leu Arg Asn Asn Phe Ser Cys Leu Pro Met Leu Ile Ile Leu Val Phe
20 25 30

Asn Ser Leu Ser Asp Leu Gln Asn Val Phe Ile Asn Ser Ser Cys Thr
35 40 45

Trp Leu Asp Lys Leu Ser Cys Leu Cys Trp Xaa Xaa Asn Asp Tyr Leu
50 55 60

Leu Ile Tyr Phe Gly Xaa Asn Ile Xaa Lys Asn Ile Asn Lys
65 70 75

<210> 6046
<211> 162
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6046
Pro Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro
1 5 10 15

Gly Ser Thr His Ala Ser Gly Arg Leu Ala Gly Arg Gly Ala Glu Ser
20 25 30

Gly Leu Pro Arg Arg Gly Thr Ser Tyr Ser Val Gly Glu Ala Met Glu
35 40 45

Glu Leu Leu Pro Asp Gly Gln Ile Trp Ala Asn Met Asp Pro Glu Glu
50 55 60

Arg Met Leu Ala Ala Ala Thr Ala Phe Thr His Ile Cys Ala Gly Gln
65 70 75 80

Gly Glu Gly Asp Val Arg Arg Glu Ala Gln Ser Ile Gln Tyr Asp Pro
85 90 95

Tyr Ser Lys Ala Ser Xaa Ala Pro Gly Lys Arg Pro Ala Leu Pro Val
100 105 110

Gln Leu Gln Tyr Pro His Val Glu Ser Asn Val Pro Ser Glu Thr Val
115 120 125

Ser Glu Ala Ser Gln Arg Leu Arg Lys Pro Val Met Lys Arg Lys Val
130 135 140

Leu Arg Arg Lys Pro Asp Gly Glu Val Leu Val Thr Asp Glu Ser Ile
145 150 155 160

Ile Lys

<210> 6047
<211> 48
<212> PRT

BNSDOCID: <WO___0122920A2 I_>

<213> Homo sapiens

<400> 6047
Val Leu Cys Val Cys Val Cys Val Cys Val Cys Ala His Met Cys Thr
1 5 10 15

Leu Val Leu Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu
20 25 30

Glu Arg Pro Pro Pro Arg Trp Ser Thr Ser Phe Val Pro Leu Val Arg
35 40 45

<210> 6048
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6048
Asn Val Lys Lys His Ile Tyr Leu Tyr Ile Asp Phe Lys Gln Asn Thr
1 5 10 15

Leu Asn Thr Leu Leu Ser Val Arg Leu Met Xaa Ala Glu Glu Phe Tyr
20 25 30

Trp Val Glu Lys Thr Val Ile Tyr Ile Val Leu Asn Val Phe Ile Ile
35 40 45

Asn Gly Cys Ser Ile Ile Ser Ile Leu Phe Ser Ala Ser Asn Gly Met
50 55 60

Ile Ile Arg His Phe Ser Leu Leu Ile Ser
65 70

<210> 6049
<211> 45
<212> PRT
<213> Homo sapiens

<400> 6049

BNSDOCID: <WO 0122920A2 I_>

```
Phe Ile Lys Trp Val Ile Ile His Thr Asn Ala Lys Leu Ser Ile Tyr
  1               5                  10                  15

Tyr Ile Lys Ile Phe Asn Val Leu Ala Asn Phe Gly Lys Ala Lys Thr
             20                  25                  30

Thr Ser Val Asn Lys Asp Gly Phe Leu Val Ile Cys His
         35                  40                  45
```

<210> 6050
<211> 62
<212> PRT
<213> Homo sapiens

<400> 6050

```
Gly Glu Thr Ser Gly Leu Leu Cys Ser Gly Lys Thr Arg Asp Ala His
  1               5                  10                  15

Tyr Cys Glu Gly Pro Leu Lys Ser Gly Leu Leu Asn Gly Phe Leu Leu
             20                  25                  30

Ile Ser Trp Val His Ala Arg Met Met Gly Leu Asp Ala Val Gly Lys
         35                  40                  45

Arg Arg Cys Lys Asn Asn Lys Gln Tyr Ile Pro Ser Lys Lys
     50                  55                  60
```

<210> 6051
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6051

```
Gln Xaa Cys Lys Asn Ile Gln Lys Ser Arg Thr Ile Gly Leu Ser Phe
  1               5                  10                  15

Gln Ser Lys Ser Lys Xaa Ser Cys Phe His Phe Thr Arg Leu Trp Lys
```

20 25 30

Pro Met Asp Val Ile Val Lys Cys Ile Cys Ile Thr Leu Thr Phe Leu
35 40 45

Lys Cys Phe Glu Leu Ile Lys Asn Ser Thr Met
50 55

<210> 6052
<211> 51
<212> PRT
<213> Homo sapiens

<400> 6052
Asp Thr Phe Asn Pro Val Asn Phe Phe Ser Val Ser Asp Lys Val Lys
1 5 10 15

Phe Ser Ser Arg Val Gln Asn Thr Phe Ile Tyr Phe Phe Val Phe Leu
20 25 30

Lys Val Gln Arg Thr Thr Leu Ile Asn Leu Ser Phe Pro Ala Thr Trp
35 40 45

Asn Ser Thr
50

<210> 6053
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6053
Lys Leu Leu Ser Pro Leu Asn Gly Leu Gly Pro Leu Val Xaa Ser His
1 5 10 15

Cys Ser Ile Arg Val Ser Leu His Leu Trp Ala Leu Leu Ser Cys Asp
20 25 30

Ser Arg Asn Val Leu Leu Ile His Phe Met Val Asp His Pro Leu Ala
35 40 45

Leu Ser Thr Leu Pro Leu Phe Ser Ser Ala Pro His Arg Ile Ile Ser

50 55 60

Ile Val Ser Val Ser Ser Leu Leu Ile Leu Tyr Ser Ala Cys Ser Asp
65 70 75 80

Leu Pro Val Asn Pro Leu Val Asn Leu
85

<210> 6054
<211> 92
<212> PRT
<213> Homo sapiens

<400> 6054
Ile Ser Gly Asp Lys His Leu Lys Lys Val Gln Leu Thr Leu Glu Gln
1 5 10 15

His Glu Ser Glu Leu Cys Val Gly Leu Leu Thr Gly Arg Phe Phe Phe
20 25 30

Ser Ile Ser Ile Leu Glu Asn Phe Leu Glu Ile Phe Gly Asn Leu Lys
35 40 45

Lys Leu Ala Asn Tyr Ser Leu Glu Ile Ser Glu Val Lys Lys Lys Leu
50 55 60

Val Cys His Arg Cys Ile Lys Leu Thr Met Ser Ile Leu Val His Phe
65 70 75 80

Ile Ile Tyr Tyr His Lys Ile Tyr Thr Ser Phe Phe
85 90

<210> 6055
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_!_>

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6055
Thr Glu Lys Glu Met Lys Ile Asp Gln Xaa Glu Lys Gly Leu Val Xaa
1 5 10 15

Lys Gly Xaa Lys Gly Arg Ser Leu Trp Asn Xaa Xaa Xaa Leu Lys Asn
20 25 30

Glu Val Thr Pro Asn Asn Arg Thr Gly Gln Ser Glu Met Thr Trp Leu
35 40 45

<210> 6056
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6056
Lys Ser Ser Ile Xaa Pro Pro Leu Ile Phe Pro Ala Thr Asp Ile Asp
1 5 10 15

Arg Ile Leu Arg Ala Gly Phe Thr Leu Gln Glu Ala Leu Gly Ala Leu
20 25 30

```
His Arg Val Gly Gly Asn Ala Asp Leu Ala Leu Leu Val Leu Leu Ala
         35                  40                  45

Lys Asn Ile Val Val Pro Thr
     50                  55
```

<210> 6057
<211> 56
<212> PRT
<213> Homo sapiens

<400> 6057

```
Ser Gln Leu Leu Gly Arg Leu Arg Gln Glu Asn His Leu Asn Pro Gly
  1               5                  10                  15

Gly Arg Gly Cys Ser Glu Pro Arg Ser His His Cys Thr Pro Ala Trp
             20                  25                  30

Ala Thr Arg Ala Lys Leu His Leu Lys Lys Thr His Ile Phe Met Asn
         35                  40                  45

Ile Ser His Gln Gln Cys Arg Lys
     50                  55
```

<210> 6058
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6058

```
Glu Glu Thr Trp Leu Leu Ala Leu Ile Asn Glu Glu Ser His Phe Pro
  1               5                  10                  15

Gln Ala Thr Asp Ser Thr Leu Leu Glu Lys Leu His Ser Gln His Ala
             20                  25                  30

Asn Asn His Phe Tyr Val Lys Pro Arg Val Ala Val Asn Asn Phe Gly
         35                  40                  45

Val Lys His Tyr Ala Gly Glu Val Gln Tyr Asp Val Arg Gly Ile Leu
     50                  55                  60
```

```
Glu Lys Asn Arg Asp Thr Phe Arg Asp Asp Leu Leu Asn Leu Leu Arg
 65                  70                  75                  80

Glu Ser Arg Phe Asp Phe Ile Tyr Asp Leu Phe Glu His Val Ser Lys
                85                  90                  95

Pro Xaa Gln Pro Gly Tyr Leu Glu Met Trp Glu Pro Thr Ser Ala Ala
            100                 105                 110

Tyr
```

<210> 6059
<211> 44
<212> PRT
<213> Homo sapiens

<400> 6059

```
Ala Phe Ile Tyr Leu Asn Phe Glu Phe Leu Asn Phe Leu Val Lys Asn
  1               5                  10                  15

Gln Asp Lys His Thr Ser Leu Gly Leu Cys Arg Val Arg Ile Lys Thr
             20                  25                  30

Ser Leu Ala Gly Asp Arg Asn Phe Ser Thr Pro Leu
         35                  40
```

<210> 6060
<211> 59
<212> PRT
<213> Homo sapiens

<400> 6060

```
Ala Asp Tyr Pro Thr Val Gly Thr Lys Leu Asp Ser Tyr Phe Val Gly
  1               5                  10                  15

Leu Ser Phe Leu Ile Leu Thr Ile Tyr His Pro Ile Leu Cys Pro Val
             20                  25                  30

Ile Phe Phe Lys Ser Leu Phe Asn Val Leu Gln His Cys Asp Cys Met
         35                  40                  45

Leu Ala Thr Leu Leu Leu Glu Cys Ser Phe Ser
     50                  55
```

<210> 6061
<211> 51
<212> PRT
<213> Homo sapiens

<400> 6061
Trp Val Asn Leu Arg Phe Gln Ser Gln Lys Leu Gln Val Val Val Thr
1 5 10 15

Phe Leu Ser Ala Trp Ile Lys Pro Leu Lys Cys Gly Lys Cys Cys Gln
20 25 30

Ser Arg Ala Ile Ser Leu Leu Ser Ser Met Arg Gly Ile Glu Thr Lys
35 40 45

Gln Gln Phe
50

<210> 6062
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6062
Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val
1 5 10 15

Xaa Thr Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
20 25 30

Arg Gly Gly Val Ser Ser Leu Lys Leu Arg Thr Ile Phe Xaa Val Ala
35 40 45

Lys Leu His Xaa Met Met Leu Pro Leu Leu Ser Val Leu Ser Gly Pro
50 55 60

Leu Phe Thr Ser Thr Arg Tyr Pro Ser
65 70

<210> 6063
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6063
Arg Gly Asn Arg Cys Leu Thr Lys Arg Glu Ala Ile Arg Gly Ile Asp
1 5 10 15

Glu Ala Gln Leu Lys Ser Ser Leu Ala Ser Ser Ser Leu Ala Ser Val
20 25 30

His Leu Lys Asn Lys Ser Trp Leu Thr Val Gly Ser Thr Arg Phe Glu
35 40 45

Ile Arg Trp Leu Tyr Phe Xaa Phe Phe Gly Ile
50 55

<210> 6064
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6064
Thr Xaa Met Phe Gln Gln His Arg Phe Ile Cys Asn His Lys Ser Asp
1 5 10 15

Thr Phe Arg Met Thr Lys Pro Gln Lys Asn Ala Ile Phe Lys Ala Glu
20 25 30

Thr Val Leu Phe Trp Ala Lys Trp Asn Pro Cys Phe Ser Asp Thr Val

BNSDOCID: <WO__ 0122920A2 I_>

35 40 45

Arg Val Glu Ile Lys Asp Thr Glu Asn Leu Pro Leu Gly Asn His Asn
50 55 60

Tyr Leu
65

<210> 6065
<211> 46
<212> PRT
<213> Homo sapiens

<400> 6065
Lys Arg Gln Leu Glu Asn Val Met His Gly Val Phe Lys Lys Thr Lys
1 5 10 15

Cys Ser Phe Tyr Leu Thr Asp Asn Ser Phe Tyr Thr Leu Tyr Asn Lys
20 25 30

Ile Ser Thr Arg His Leu Val Gly Lys Val Lys Lys Lys Lys
35 40 45

<210> 6066
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6066
Arg Gly Leu Pro Ser Ile Pro Glu Asn Xaa Asn Leu Xaa Glu Tyr Phe
1 5 10 15

```
Val Ala Val Asp Val Asn Asn Met Leu His Leu Tyr Ala Ser Met Leu
            20                  25                  30

Tyr Glu Arg Arg Ile Leu Ile Ile Cys Ser Lys Leu Ser Thr Leu Thr
        35                  40                  45

Ala Cys Ile His Gly Ser Ala Ala Met Leu Tyr Pro Met Tyr Trp Gln
    50                  55                  60

His Val Tyr Ile Pro Val Leu Pro Pro His Leu Xaa Asp Tyr Cys Cys
65                  70                  75                  80

Ala Pro Met Pro Tyr Leu Ile Gly Ile His Leu Ser Leu Met Glu Lys
                85                  90                  95

Val Arg Asn Met Ala Leu Asp Asp Val Val Ile Leu Asn Val Asp Thr
            100                 105                 110

Asn Thr Leu Glu Thr Pro Phe Asp Asp Leu Gln Ser Leu Pro Asn Asp
        115                 120                 125

Val Glu Glu Ser Ile Val Ile Gln
    130                 135
```

<210> 6067
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6067

```
His Phe Ala Ala Tyr Gly Asn Val Cys Val Leu Phe Ile Leu Met Asn
  1               5                  10                  15

Cys Ala Met Thr His Lys Pro Lys Gln Cys Gln Leu Gln Leu Asn Leu
            20                  25                  30

Gly Arg Asn Pro Trp Cys Phe Xaa Phe Phe Phe Asp Ala Gly Glu Arg
        35                  40                  45

Leu His Phe Val Thr Asn Leu Leu Pro Asn Arg Lys Ile Tyr Phe Leu
    50                  55                  60

Ser Asp Arg His His Thr Arg Cys Leu Leu
65                  70
```

<210> 6068
<211> 86
<212> PRT
<213> Homo sapiens

<400> 6068
Gly Lys Pro Gly Ala Pro Leu Gln Pro Trp Asp Asn Leu Arg Ile Pro
1 5 10 15

Pro Glu Ala Ser Ser Val Met Asp Ala Val Leu Arg Ile Thr Cys Cys
20 25 30

Pro Gly Val Thr Cys Phe His Leu Pro Ala His Gln Pro Ser Ala His
35 40 45

Leu Thr Cys Leu Pro Met Asp Trp Gly Leu Pro Gly Pro Pro Pro Tyr
50 55 60

Val Asn Leu His Phe Leu Phe Lys Asn Gln Glu Lys Lys Arg Phe Glu
65 70 75 80

Asp Pro Lys Ser Cys Gln
85

<210> 6069
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6069
Leu Glu Gly Arg Ala Leu Leu Gln Val Arg Val Gly Val Leu Ser Glu

1 5 10 15

Ser Cys Val Leu Gly Leu Val Ser Phe Pro Cys Pro Cys Ser Gly Ser
20 25 30

Val Arg Gln Ile Gly Arg Leu Cys Ser Arg Pro Gln Glu Cys Xaa Ser
35 40 45

Pro Xaa Leu Ala Gln Tyr Ile Gly Thr Cys Gly Phe Tyr Phe Val Phe
50 55 60

Asp Val Pro Asp Arg Asn Arg Ala Arg Gly Thr Xaa Lys Thr Thr Val
65 70 75 80

Gly Ser

<210> 6070
<211> 50
<212> PRT
<213> Homo sapiens

<400> 6070
Ser Lys Glu Arg Val Asp Gly Leu Lys Arg Leu Ala Ser Val Ser Val
1 5 10 15

Ala Gly Ser His Leu Ala Ser Asn Trp Lys Gln Asn Phe Trp Gly Val
20 25 30

Leu Phe Cys Ile Arg Val Cys Phe Met Leu Ser Lys Thr Tyr Phe Arg
35 40 45

Ser Lys
50

<210> 6071
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6071
Trp Lys Leu Val Gly Pro Pro Gly Leu Thr Gly Ile Arg Thr Xaa Gly

BNSDOCID: <WO__0122920A2 I_>

1 5 10 15

Lys Asn Phe Val Arg Pro Gln Lys His Cys Thr Val Asn Ile Leu Glu
20 25 30

Lys Val Cys Gln Thr Gly Ile Asn Asp Ser Met Ile Phe Asn Asp Cys
35 40 45

Lys Leu Arg
50

<210> 6072
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6072
Lys Ser Met Gly Glu Glu Asn Val Lys Met Leu Ser Asp Ile Arg Cys
1 5 10 15

Met Lys Ser His Asn Ile Lys Ala Ile Ser Tyr Phe Xaa Arg Gly Ile
20 25 30

Phe Leu Leu Pro Leu Leu Val Leu Asp Arg Phe Tyr Lys Met Xaa Asn
35 40 45

Lys Ile Trp Xaa
50

<210> 6073
<211> 102
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6073

```
Glu Ser Ser Ile Cys Cys Ser Phe Leu Gln Leu Tyr Phe Cys Ser Ile
  1               5                  10                  15

Ser Trp Phe His Ser Leu Leu Phe Trp Asp Phe Val Phe Arg Ser Ala
             20                  25                  30

Tyr Phe Leu Tyr Ile Cys Met Gln Met Lys Glu Gly Ser Leu Tyr Trp
         35                  40                  45

Cys Xaa Phe Ser Leu Gln Leu Leu Val Xaa Gly Asp Leu Leu Glu Lys
     50                  55                  60

Ile Leu Pro Leu Lys Gly Glu Asn Arg Pro Leu Cys Val Tyr Leu Tyr
 65                  70                  75                  80

Arg Asp Val Tyr Met Gly Cys Gly Gly Thr Leu Leu Asn Val Asn Leu
                 85                  90                  95

Pro Cys Gln Trp Lys Asp
            100
```

<210> 6074
<211> 37
<212> PRT
<213> Homo sapiens

<400> 6074

```
Leu Phe Gly Ala Val Arg Lys Lys Lys Lys Lys Lys Ile Ala Ile Ser
  1               5                  10                  15

Ser Cys Val His Asn Ser Arg Tyr Asn Ile Gln Ser Leu Glu Gly Pro
             20                  25                  30

Phe Trp Ala Leu Asp
         35
```

<210> 6075
<211> 37
<212> PRT
<213> Homo sapiens

<400> 6075
Tyr Ser Phe Asp Asn Thr Arg Val Ser Glu Ile Pro Asp Thr Ser Val
1 5 10 15

Gln Asn Ala Met Asp Leu Leu Phe Tyr Ser Cys Gln Pro Phe Ser Ile
20 25 30

Pro Ile Gln Lys Arg
35

<210> 6076
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6076
Thr Leu Ser Asp Val Gly Cys Pro His Gln Asn Ile Cys Thr Ser Cys
1 5 10 15

Phe Cys Pro Thr Leu Glu Ala Ala Glu Lys Lys Gly Lys Gln Gly Ser
20 25 30

Arg Asn Leu Cys Tyr Val Phe Ser Pro Leu Tyr Leu Phe Leu Trp Xaa
35 40 45

Val Val Gln Glu Ile Leu Phe Ser Cys Ser Lys Leu Ile Lys Arg Ser
50 55 60

Asn Ile Arg Asn Tyr Asp Asn Ser Leu
65 70

<210> 6077
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6077
Tyr Arg Gly Arg Glu Ile Ser Lys Val Phe Thr Ser Ser Leu Lys Gly
1 5 10 15

Val Gly Ser Asn Ser Ser Ser Pro Cys Tyr Phe Gly Val Ser His Tyr
20 25 30

Ser Leu Thr His Gln Lys Ile His Ser Phe Lys Cys Leu Xaa Val Leu
35 40 45

Ser

<210> 6078
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6078
Pro Asn Ala Asp Gln Lys Tyr Ser Thr Asp Lys Met Xaa Glu Pro Xaa
1 5 10 15

Val Tyr Val Lys Ser Leu Tyr Thr Xaa Xaa Gly Pro Asp Xaa Tyr Phe
20 25 30

Leu Leu Leu Ile Gly Gly
35

<210> 6079
<211> 303
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6079
Ala Phe Ser Ser Ser Glu Asp Asn Lys Xaa Gly Lys Arg Xaa Arg Thr
1 5 10 15

Asn Ser Arg Ser Thr Pro Thr Thr Pro Gln Gly Lys Pro Glu Thr Thr
20 25 30

Phe Leu Asp Gln Gly Cys Ser Ser Pro Val Leu Ile Asp Cys Pro His
35 40 45

Pro Asn Cys Asn Lys Lys Tyr Lys His Ile Asn Gly Leu Arg Tyr His
50 55 60

Gln Ala His Ala His Leu Asp Pro Glu Asn Lys Leu Glu Phe Glu Pro

65 70 75 80

Asp Ser Glu Asp Lys Ile Ser Asp Cys Glu Glu Gly Leu Ser Asn Val
85 90 95

Ala Leu Glu Cys Ser Glu Pro Ser Thr Ser Val Ser Ala Tyr Asp Gln
100 105 110

Leu Lys Ala Pro Ala Xaa Pro Gly Ala Gly Asn Pro Pro Gly Thr Pro
115 120 125

Lys Gly Lys Arg Glu Leu Met Ser Asn Gly Pro Gly Ser Ile Ile Gly
130 135 140

Ala Lys Xaa Gly Lys Asn Ser Gly Lys Lys Lys Gly Leu Asn Asn Glu
145 150 155 160

Leu Asn Asn Leu Pro Val Ile Ser Asn Met Thr Ala Ala Leu Asp Ser
165 170 175

Cys Ser Ala Ala Asp Gly Ser Leu Ala Ala Glu Met Pro Lys Leu Glu
180 185 190

Ala Glu Gly Leu Ile Asp Lys Lys Asn Leu Gly Asp Lys Glu Lys Gly
195 200 205

Lys Lys Ala Asn Asn Cys Lys Thr Asp Lys Asn Leu Ser Lys Leu Lys
210 215 220

Ser Ala Arg Pro Ile Ala Pro Ala Pro Ala Pro Thr Pro Pro Gln Leu
225 230 235 240

Ile Ala Ile Pro Thr Ala Thr Phe Thr Thr Thr Thr Thr Gly Thr Ile
245 250 255

Pro Gly Leu Pro Ser Leu Thr Thr Thr Val Val Gln Ala Thr Pro Lys
260 265 270

Ser Pro Pro Leu Lys Pro Ile Gln Pro Lys Pro Thr Ile Met Gly Glu
275 280 285

Pro Ile Thr Val Asn Pro Ala Leu Val Ser Leu Lys Asp Lys Lys
290 295 300

<210> 6080
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6080
Arg Leu Ser Gln His Pro Tyr His Thr Val Gln Lys Ser Glu Leu Gln
1 5 10 15

Arg Leu Cys Ser Val Ser Trp Ser Thr Ser Lys Phe Val Val Arg Lys
20 25 30

Val Arg Cys Arg Asn Leu Arg Leu Gln Arg Leu Cys Ser Val Ser Trp
35 40 45

Xaa Thr Ser Thr Phe Phe Val Val Asn Ile Gln Ser His
50 55 60

<210> 6081
<211> 77
<212> PRT
<213> Homo sapiens

<400> 6081
Pro Asn Pro Ala Leu Thr Ala Pro Gln Arg Ile Pro Val Ala Ala Gln
1 5 10 15

Pro Pro Ala Pro Pro Ser Pro Glu Leu Arg Arg Glu Pro Gln Gly Gly
20 25 30

Ala Met Arg Thr Gly Val Trp Trp Ser Thr Tyr Gly Ser Trp Pro Ala
35 40 45

Ser Gly Ala Val Ala Gly Arg Pro Leu Ala Phe Ser Asp Ala Gly Pro
50 55 60

His Val His Tyr Gly Trp Gly Asp Pro Ile Arg Leu Arg
65 70 75

<210> 6082
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6082
Thr Ala Gly Pro Ser His Pro Trp Ile Ser Ser Cys Thr Thr Leu Lys
1 5 10 15

Leu Glu Gln His Gln Xaa Leu Pro Arg Ser Pro Pro Ala Gln Pro Ser
20 25 30

Xaa Gly Asn Val Ser Ser Ser Pro Gly Leu Gln Leu
35 40

<210> 6083
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6083
Ala Glu Gly His Glu Arg Glu Arg Ser Xaa Glu Ser Gly Glu Glu Asp
1 5 10 15

Ser Ser Leu Thr Asp Glu Pro Arg Arg Ala Cys Leu Ser His Pro Ser
20 25 30

Leu Cys Gln Leu Leu Gly Gly Gln Xaa Pro Ala Leu Arg Asn Ser Pro
35 40 45

Val Leu Gly Glu
50

<210> 6084
<211> 78

<212> PRT
<213> Homo sapiens

<400> 6084
Leu Val Leu His Tyr Phe Pro Arg Glu Phe Leu Gln Val Asn Val His
1 5 10 15

Pro Phe Asp Leu Glu Ala Asp Ser Gln Phe Cys Leu Phe Gly Lys Ser
20 25 30

Ala Ser Glu Leu Asn Phe Leu Val Cys Lys Met Gly Leu Arg Lys Cys
35 40 45

Gly Leu Leu Phe Gln Arg Leu Leu Leu Gly Trp Asn Glu Ile Met Cys
50 55 60

Val Thr Lys Ala Leu Glu Thr Phe Trp Asn Leu Lys Ala Ile
65 70 75

<210> 6085
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6085
Ala Leu Ser Val Cys Asp Leu Leu Lys Asn Lys Phe Phe Val Lys Glu
1 5 10 15

Asn Thr Ser Leu Lys Asn Glu Lys Ala Ile Leu Ser Leu Ile Asn Leu
20 25 30

Ile Gln Asp Pro Ser Ile Ile Asn Leu Thr Val Leu Xaa Phe Thr Glu
35 40 45

Ile Ser Xaa Asn Gln Ser Gln Lys Ile Pro Pro Cys Thr Asn Leu Leu
50 55 60

Pro Leu His
65

<210> 6086
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6086
Leu Arg Ile Met Thr Pro Leu Val Ser Cys Gly Met Gly Arg Ile Phe
1 5 10 15

Tyr Phe Phe Cys Thr Phe Thr Trp Arg Leu Phe Leu Leu Arg Xaa Phe
20 25 30

Ile Met Gly Phe Lys Ala Leu His Leu Pro Asn Xaa Gly Lys Cys Xaa
35 40 45

Lys Tyr Cys Ile Phe Tyr Xaa Phe Gly Pro Lys Gly Tyr
50 55 60

<210> 6087
<211> 50
<212> PRT
<213> Homo sapiens

<400> 6087
Asn Glu Glu Cys Asn Pro Phe Tyr Lys Met Tyr Thr Leu Cys Tyr Leu
1 5 10 15

```
Leu Leu Asn Phe Gly Leu Val Ile Pro Thr Asp Ala Lys Phe Phe Leu
            20                  25                  30

Gln Ser Thr Glu Ile Ile Gln Ile Phe Leu His Cys Gln Gln Asp Glu
        35                  40                  45

Ile Val
    50
```

<210> 6088
<211> 141
<212> PRT
<213> Homo sapiens

<400> 6088

```
Trp Lys Lys Tyr Phe Lys Thr Phe Ile Asn Gly Lys Val Val Trp Gly
 1               5                  10                  15

Ser Trp Phe Asp His Val Lys Gly Trp Trp Glu Met Lys Asp Arg His
            20                  25                  30

Gln Ile Leu Phe Leu Phe Tyr Glu Asp Ile Lys Arg Asp Pro Lys His
        35                  40                  45

Glu Ile Arg Lys Val Met Gln Phe Met Gly Lys Lys Val Asp Glu Thr
    50                  55                  60

Val Leu Asp Lys Ile Val Gln Glu Thr Ser Phe Glu Lys Met Lys Glu
65                  70                  75                  80

Asn Pro Met Thr Asn Arg Ser Thr Val Ser Lys Ser Ile Leu Asp Gln
                85                  90                  95

Ser Ile Ser Ser Phe Met Arg Lys Gly Thr Val Gly Asp Trp Lys Asn
            100                 105                 110

His Phe Thr Val Ala Gln Asn Glu Arg Phe Asp Glu Ile Tyr Arg Arg
        115                 120                 125

Lys Met Glu Gly Thr Ser Ile Asn Phe Cys Met Glu Leu
    130                 135                 140
```

<210> 6089
<211> 65
<212> PRT
<213> Homo sapiens

<400> 6089
Asn Lys His Leu Glu Ala Ile Phe Gly Leu Ile Lys Ile Val Leu Gly
1 5 10 15

Arg Ala Trp Trp Leu Thr Pro Ala Ile Pro Ala Leu Trp Glu Ala Glu
20 25 30

Asp Ser Gly Phe Leu Glu Leu Arg Ser Trp Glu Thr Ser Leu Gly Asn
35 40 45

Met Val Ile Pro Val Cys Leu Phe Lys Ile Lys Lys Ile Asn Glu Val
50 55 60

Met
65

<210> 6090
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6090
Val Ala Lys Gly Leu Leu Ser His Leu Cys Pro Pro Xaa Ile Leu Lys
1 5 10 15

Ala Arg Ser Leu Glu Phe Glu Leu Cys Pro His Met Pro Pro Arg His
20 25 30

Gln Gln Ser Lys Met Lys Ser Leu His Cys Leu Ser Val Asp Pro Thr
35 40 45

Leu Ser Pro His Trp Arg Gly Arg Gly Gly Gly Leu Arg Met Ser Ser
50 55 60

Ser Cys Pro Gly Cys Asn Met Val Lys Asp Glu Arg Lys Glu Met Leu
65 70 75 80

Gly Ala Ser Leu His
85

<210> 6091

BNSDOCID: <WO__ 0122920A2 I_>

<211> 90
<212> PRT
<213> Homo sapiens

<400> 6091
Gln Glu Pro Ser Ser Arg Val Ser Cys Phe Lys Ala Pro Tyr Pro Phe
1 5 10 15

Leu Arg Val Thr Asn Thr Cys Ala Arg Ser Leu Pro Phe Pro Ser Ser
20 25 30

Pro Cys Ile Trp Leu Ile Thr Gly Gln Leu Pro Ala Ser Leu Gln Phe
35 40 45

Gly Arg Trp Val Gly Asn Asp His His Ser Pro Arg Ser Pro Asp Gly
50 55 60

Leu Val Phe Arg Ala Leu His Arg His Leu Gln Gln Ala Pro Ala Arg
65 70 75 80

Pro Glu Val Ile Leu Arg Arg Asp Gly Ser
85 90

<210> 6092
<211> 45
<212> PRT
<213> Homo sapiens

<400> 6092
Leu Gln Leu Trp Ile Ala Tyr Phe Glu Lys Gly Glu Leu Gln Ile Leu
1 5 10 15

Pro Lys Asp Gly Glu Lys His Ile Lys Lys Ile Pro Thr Phe Arg Asn
20 25 30

Ser Phe Gln Gln Leu Leu Leu Glu Ile Phe Lys Leu Ile
35 40 45

<210> 6093
<211> 49
<212> PRT
<213> Homo sapiens

<400> 6093
Ile Ser Asp Lys Phe Pro Gly Asn Ala Asp Phe Thr Val Gln Gly Pro
1 5 10 15

His Phe Gly Asn His Thr Asn Arg Asn Leu Met Gln Thr Gln Gly Thr
20 25 30

Tyr Gln Lys Ile Phe Asn Gln Val Ile Leu His Asp Lys Gly Gln Gln
35 40 45

Cys

<210> 6094
<211> 58
<212> PRT
<213> Homo sapiens

<400> 6094
Thr Gly Phe His His Val Ser Gln Ala Ser Leu Glu Leu Leu Thr Ser
1 5 10 15

Gly Asp Pro Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly Ile
20 25 30

Ser His Arg Ala Trp Pro Asn Asn Trp Asn Ile Phe Ile Met Lys Met
35 40 45

Ser Ser Ala Leu Pro Lys Glu Thr Thr Asn
50 55

<210> 6095
<211> 89
<212> PRT
<213> Homo sapiens

<400> 6095
Cys Lys His Cys Ile Ser Tyr Val Glu Met Val Lys Asp Asp Tyr Glu
1 5 10 15

Asp Asp Ser His Val Phe Arg Lys Pro Ala Asn Asp Ile Thr Ser Gln
20 25 30

Leu Glu Ile Asn Phe Gly Asn Leu Pro Arg Pro Gly Arg Gly Ala Arg
35 40 45

Gly Gly Thr Arg Gly Gly Arg Gly Arg Ile Arg Arg Ala Glu Asn Tyr
50 55 60

Gly Pro Arg Ala Glu Val Val Met Gln Asp Val Ala Pro Asn Pro Asp
65 70 75 80

Asp Pro Glu Asp Phe Pro Ala Leu Ser
85

<210> 6096
<211> 32
<212> PRT
<213> Homo sapiens

<400> 6096
Lys Leu Lys Met Leu Ala Glu His Phe Val Val Leu Gln Ala Leu Leu
1 5 10 15

Ile Phe His Cys Ser Thr Cys Cys Trp Gln Ser Asn Phe Ser Glu Leu
20 25 30

<210> 6097
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6097
Ala Glu His Cys Ser Pro Ile Leu Val Leu Ile Trp Lys Phe Leu Gly
1 5 10 15

His Tyr Ala Asp Lys Lys Thr Arg Thr Pro Gly Ala Arg Lys Thr Cys
20 25 30

Cys Lys Ser Leu Val Cys Ser Tyr Glu Cys Pro Ser Thr Leu Glu Glu
35 40 45

Ala Leu Asp Ser Pro Val Pro Ser Phe Leu Gly Ala Arg Val Pro Xaa
50 55 60

Cys
65

<210> 6098
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6098
Phe Tyr Cys Tyr Ser Glu Glu Ser Gln Leu Thr Asp Leu Asp Asp Phe
1 5 10 15

Lys Asp Ala Val Gln Met Arg Glu Gly Cys Lys Tyr Cys Phe Ser Ile
20 25 30

Xaa Glu Leu Thr Val Ala Lys Val Gly Tyr Ser Ile Glu Ser Leu
35 40 45

<210> 6099
<211> 165
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (149)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6099
Ile Arg His Glu Glu Thr Ser Ile Ala Leu Gln Asp Asn Tyr Glu Ile
1 5 10 15

Arg Tyr Thr Ala Ile Ser Val Ile Lys Asn Leu Leu Ile Lys His Ala
20 25 30

Phe Asp Thr Arg Tyr Gln His Lys Asn Gln Gln Ala Lys Ile Ala Gln
35 40 45

Leu Tyr Leu Pro Phe Val Gly Leu Leu Leu Glu Asn Ile Gln Arg Leu
50 55 60

Ala Gly Arg Asp Thr Leu Tyr Ser Cys Ala Ala Met Pro Asn Ser Ala

BNSDOCID: <WO 0122920A2 I >

65 70 75 80

Ser Arg Asp Glu Phe Pro Cys Gly Phe Thr Ser Pro Ala Asn Arg Gly
85 90 95

Ser Leu Ser Thr Asp Lys Asp Thr Ala Tyr Gly Ser Phe Gln Asn Gly
100 105 110

His Gly Ile Lys Arg Glu Asp Ser Arg Gly Ser Leu Phe Pro Glu Gly
115 120 125

Ala Thr Gly Phe Pro Asp Gln Gly Asn Thr Gly Glu Asn Thr Arg Gln
130 135 140

Asn Ser Thr Arg Xaa Ile Val Ser Xaa Tyr Asn Arg Leu Asp Gln Tyr
145 150 155 160

Glu Ile Thr Thr Ser
165

<210> 6100
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6100
Gln Arg Gly Arg Trp Lys Gln Cys Ser Trp Lys Leu Leu Leu Ser Pro
1 5 10 15

Leu Ser His His Ser Arg His Leu Leu Gln Ala Gly Arg His Val Ser
20 25 30

Val Arg Phe Leu Pro Gly Asp Ile Arg Ser Pro Xaa Ile Gln Ile Lys
35 40 45

Cys Asn Ile Leu Gln Thr Ala Leu Leu Arg Glu Ile Ser
50 55 60

<210> 6101
<211> 156
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6101

```
Trp Ile Pro Arg Ala Ser Gly Ile Arg His Glu His Leu Arg Ser His
 1               5                  10                  15

Thr Gln Glu Lys Val Val Ala Cys Pro Thr Cys Gly Gly Met Phe Ala
            20                  25                  30

Asn Asn Thr Lys Phe Leu Asp His Ile Arg Arg Gln Thr Ser Leu Asp
        35                  40                  45

Gln Gln His Phe Gln Cys Ser His Cys Ser Lys Arg Phe Ala Thr Glu
    50                  55                  60

Arg Leu Leu Arg Asp His Met Arg Asn His Val Asn His Tyr Lys Cys
65                  70                  75                  80

Pro Leu Cys Asp Met Thr Cys Pro Leu Pro Ser Xaa Leu Arg Asn His
                85                  90                  95

Met Arg Phe Arg His Ser Glu Asp Arg Pro Phe Lys Cys Xaa Cys Cys
            100                 105                 110

Asp Tyr Ser Cys Lys Asn Leu Ile Asp Leu Gln Lys His Leu Asp Thr
        115                 120                 125

His Ser Glu Glu Pro Ala Tyr Arg Cys Asp Phe Glu Asn Cys Thr Ser
    130                 135                 140

Val Xaa Asp Pro Leu Leu Tyr Gln Val Pro Leu Pro
145                 150                 155
```

<210> 6102
<211> 65

<212> PRT
<213> Homo sapiens

<400> 6102
Phe Cys Leu Leu Leu Ala Gly Glu Glu Ala Met Ser Trp Tyr Ser Gln
1 5 10 15

Trp Ser Gln Asp Pro Glu Cys Val Ala Lys Pro Tyr Thr Ala Phe His
20 25 30

Gly Leu Phe Leu Gly Ala Arg Val Gly Gly Asp Met Val Leu Gly Ser
35 40 45

Asn Leu Pro Cys Asn Arg Trp Arg Ala Val Phe Ser Met Ala Pro Ala
50 55 60

Val
65

<210> 6103
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6103
Leu Gln Val Thr Leu Ser Ser Trp Pro Xaa Ile Ala Pro Arg Leu Phe
1 5 10 15

Leu Pro His Trp Gly Gln Ser Phe Pro Trp Thr Lys Glu Arg Xaa Leu
20 25 30

Gln Pro Phe Phe Lys Ser Leu Gly Pro Gly Pro Trp His Gln His His
35 40 45

```
Xaa Ser Leu Tyr Ser Ile His Gln Lys His Leu Lys Pro Thr Gln Ile
     50                  55                  60

Cys Ser Met Gly Ser Ile His Val
 65                  70
```

<210> 6104
<211> 137
<212> PRT
<213> Homo sapiens

<400> 6104

```
Val Tyr Lys Tyr Leu Phe Phe Lys Arg Arg Cys Cys Ala Cys Glu Thr
  1               5                  10                  15

Ile Leu Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Leu Val Thr Ala
             20                  25                  30

Lys Asp Arg Glu Pro Phe His Phe Gly His Thr Gly Leu Leu Ser Arg
         35                  40                  45

Ser His Phe Ser Ser Trp Leu Leu Lys Ile Thr Ala Ser Pro Val Pro
     50                  55                  60

Ser Trp Arg Ser Ser Arg Gly Arg Ala Asp Phe Ser Pro Thr Gly Gly
 65                  70                  75                  80

Thr Met Trp Gly Ser Glu Gly Trp Glu Gly Asp Phe Pro Leu Glu Trp
                 85                  90                  95

Trp Ser Cys Trp Gly Leu Ile Ser Arg Asp Pro Lys Gly Gly Leu Cys
            100                 105                 110

Arg Arg Phe His Ile Gly Gly Ala Leu Ser Leu Ala Ala Val Arg Val
        115                 120                 125

Gly Pro Gly Cys Gly Val Gln Thr Ala
    130                 135
```

<210> 6105
<211> 65
<212> PRT
<213> Homo sapiens

<400> 6105

```
Gly Asn Ser Arg Val Asp Pro Arg Val Arg Arg Asn Val Thr Arg Val
  1               5                  10                  15
```

Arg Gly Ser Tyr Leu Tyr Ile Gly Phe Pro Ala Glu Asn Arg Pro Leu
20 25 30

Leu Tyr Arg Phe Trp Val His Asn Leu Ala Leu Leu Val Asn Pro Arg
35 40 45

Asp Leu Ser Asp Pro Pro Pro Pro Val Phe Phe Leu Phe Leu Phe Leu
50 55 60

Phe
65

<210> 6106
<211> 50
<212> PRT
<213> Homo sapiens

<400> 6106
Tyr Tyr Lys Ser Tyr Cys Thr His Phe Val Leu Glu Lys Asn Thr Glu
1 5 10 15

Ala Val Ala Gln Thr Leu Phe Asn Ile Arg Glu Phe Ile Leu Glu Lys
20 25 30

Asn Pro Ala Asn Val Met Asn Leu Glu Lys His Phe Phe Ser Lys Thr
35 40 45

Thr Ala
50

<210> 6107
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6107

```
Val Asp Arg Ala Ile Ser Ile Thr Leu Arg Pro Leu Trp Val Ile Gly
  1               5                  10                  15

Ala Asp Lys Val Pro Cys Ile Ala Asp Glu Ile Ser Pro Ser Trp Thr
             20                  25                  30

Phe Pro Arg Asn Gly Pro Gly Val Ser Ser Asn Leu Ser Xaa Xaa Ile
         35                  40                  45

Thr Cys Leu Glu Ile Thr Leu Glu Tyr Val Ser Tyr Lys Ala Arg Ser
     50                  55                  60

His Gly Asn
 65
```

<210> 6108
<211> 47
<212> PRT
<213> Homo sapiens

<400> 6108

```
Thr Arg Glu Arg Arg Gly Gly Asn Met Lys Val Asn Leu Asn Asn Phe
  1               5                  10                  15

Cys Asn Thr Ser Tyr Leu Gln Thr Ile Gly Phe Met Leu Leu His Ser
             20                  25                  30

Arg Cys Asp Leu Ser Tyr Val Ser Asp Arg Phe Tyr Glu Leu Phe
         35                  40                  45
```

<210> 6109
<211> 122
<212> PRT
<213> Homo sapiens

<400> 6109

```
Gly Pro Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys
  1               5                  10                  15

Arg Pro Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys
             20                  25                  30

Ile Lys Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys
         35                  40                  45

Leu Gly Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr
     50                  55                  60
```

BNSDOCID: <WO__0122920A2 I_>

Ile Thr Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala
65 70 75 80

Asp Tyr Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys
85 90 95

Val Ala Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Glu Glu Glu Glu
100 105 110

Glu Glu Glu Glu Glu Glu Glu Glu Asp Glu
115 120

<210> 6110
<211> 82
<212> PRT
<213> Homo sapiens

<400> 6110
Val Asp Phe Leu Phe Ala Ile Asn Gln Ala Lys Val Asn Ala Ile Ile
1 5 10 15

Ser Arg Phe Met Val Asn Lys Phe Glu Val Trp Ile Asn Leu Ser His
20 25 30

Ile Phe Tyr Cys Ser Leu Val Lys Lys Gly Thr Arg Lys Lys Ile Ser
35 40 45

Ser Ser Leu Val Leu Ser Gln Cys Gly Asp Cys Arg Lys Leu Thr Met
50 55 60

Pro Ala Cys Val Asn Val Trp Leu Thr Val Lys Ala Ser Phe Leu Ala
65 70 75 80

Ala Cys

<210> 6111
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2 I_>

<400> 6111
Met Val Leu Arg Lys Tyr Phe Leu Trp Lys Ile Gly Arg Lys Tyr Phe
1 5 10 15

Asn Leu Asn Ile Lys Lys Ile Gly Asn Cys Tyr Phe Gln Gln Gln Ser
20 25 30

Pro Xaa

<210> 6112
<211> 87
<212> PRT
<213> Homo sapiens

<400> 6112
Gly Ser Pro Gly Ala His Glu Pro Cys Gln Ala Pro Ala Gly Ser Ser
1 5 10 15

Arg His Val Pro Asp Leu Trp Gly Pro Arg Glu Gly Thr Phe Pro Ser
20 25 30

Trp Glu Arg Arg Arg Ser Gly Gln Leu Gly Glu Gly Cys Glu His Phe
35 40 45

Pro Pro Gly Arg Asp Gln Gly Asp Leu His Ala Leu Arg Arg Ala Trp
50 55 60

Lys Gly Ser Glu Lys Pro Ala Asp Arg Pro Cys Pro Ser Ser Arg Asp
65 70 75 80

His Leu Met Asn His Val Phe
85

<210> 6113
<211> 253
<212> PRT
<213> Homo sapiens

<400> 6113
Gln Asn Leu Pro Leu Thr Arg Arg Arg Pro Thr Gly Ser Cys Val Cys
1 5 10 15

Leu Gly Arg Gly Gly Pro Gly Gly Gly Gly Leu Arg Ala Gly Ser Arg
20 25 30

His Pro Ala Pro Ala Ala Met His Pro Arg Arg Pro Asp Gly Phe Asp

BNSDOCID: <WO_ 0122920A2 I >

35 40 45

Gly Leu Gly Tyr Arg Gly Gly Ala Arg Asp Glu Gln Gly Phe Gly Gly
50 55 60

Ala Phe Pro Ala Arg Ser Phe Ser Thr Gly Ser Asp Leu Gly His Trp
65 70 75 80

Val Thr Thr Pro Pro Asp Ile Pro Gly Ser Arg Asn Leu His Trp Gly
85 90 95

Glu Lys Ser Pro Pro Tyr Gly Val Pro Thr Thr Ser Thr Pro Tyr Glu
100 105 110

Gly Pro Thr Glu Glu Pro Phe Ser Ser Gly Gly Gly Gly Ser Val Gln
115 120 125

Gly Gln Ser Ser Glu Gln Leu Asn Arg Phe Ala Gly Phe Gly Ile Gly
130 135 140

Leu Ala Ser Leu Phe Thr Glu Asn Val Leu Ala His Pro Cys Ile Val
145 150 155 160

Leu Arg Arg Gln Cys Gln Val Asn Tyr His Ala Gln His Tyr His Leu
165 170 175

Thr Pro Phe Thr Val Ile Asn Ile Met Tyr Ser Phe Asn Lys Thr Gln
180 185 190

Gly Pro Arg Ala Leu Trp Lys Gly Met Gly Ser Thr Phe Ile Val Gln
195 200 205

Gly Val Thr Leu Gly Ala Glu Gly Ile Ile Ser Glu Phe Thr Pro Leu
210 215 220

Pro Arg Glu Val Leu His Lys Trp Ser Pro Lys Gln Ile Gly Glu His
225 230 235 240

Leu Leu Leu Lys Ser Leu Asn Leu Arg Gly Gly Asn Ala
245 250

<210> 6114
<211> 168
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6114

```
Ile Leu Phe Cys Pro Ala Ala Ala Xaa Lys Ala Ser His Pro Thr Pro
  1               5                  10                  15

Arg Thr Phe Leu Val Arg Ser Gly Leu Ala Trp Gly Pro Pro Phe Ser
             20                  25                  30

Val Ser Leu Val Cys Leu Tyr Pro Ala Leu Leu Ser Ser Leu Cys Ser
         35                  40                  45

Ala Cys Leu Ser Leu Phe Ala Ser Pro Phe Ser Leu Ser Cys Arg Leu
     50                  55                  60

Leu Ser Leu Gly Pro Pro Trp Phe Cys Leu Val Ser Leu Ser Leu Leu
 65                  70                  75                  80

Ile Ser Ser Leu Tyr Ser Phe Ser Arg Ala Gly Pro Thr Gly Arg Thr
                 85                  90                  95

Arg Leu Ser Gln Ile Asn Pro His Thr Asn Lys Ile Gln Asn Gln Ile
            100                 105                 110

Pro Leu Xaa Thr Gly Ala Gly Thr Leu Arg Arg Ser Arg Ile Lys Leu
        115                 120                 125

Phe Ser Val Ser Glu Ala Leu Leu Thr Cys Val Cys Val Cys Val Cys
    130                 135                 140

Val Leu Gly Glu Gly Asp Leu Asp Cys Ser Ile Arg Thr Leu Ser Glu
145                 150                 155                 160

Thr Glu Gly Arg Trp Glu Asp Asp
                165
```

<210> 6115
<211> 180
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (140)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (157)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6115

```
His Glu Val Glu Asn Asn Thr Leu Gly Ser Pro Ala Ala Ser Glu Leu
  1               5                  10                  15

Leu Glu His Leu Lys Pro Thr Tyr Trp Phe Ser Ala His Leu His Val
             20                  25                  30

Lys Phe Ala Ala Leu Met Gln His Gln Ala Lys Asp Lys Gly Gln Thr
         35                  40                  45

Ala Arg Ala Thr Lys Phe Leu Ala Leu Asp Lys Cys Leu Pro His Arg
     50                  55                  60

Asp Phe Leu Gln Ile Leu Glu Ile Glu His Asp Pro Ser Ala Pro Asp
 65                  70                  75                  80

Tyr Leu Glu Tyr Asp Ile Glu Trp Leu Thr Ile Leu Arg Ala Thr Asp
                 85                  90                  95

Asp Leu Ile Asn Val Thr Gly Arg Leu Trp Asn Met Pro Glu Asn Asn
            100                 105                 110

Gly Leu His Ala Arg Trp Asp Tyr Ser Ala Thr Glu Glu Gly Met Lys
        115                 120                 125

Glu Val Leu Glu Lys Leu Asn His Asp Leu Lys Xaa Pro Cys Asn Phe
    130                 135                 140

Ser Val Thr Ala Ala Cys Tyr Asp Pro Ser Lys Pro Xaa Thr Gln Met
145                 150                 155                 160

Gln Leu Ile His Arg Ile Asn Pro Xaa Thr Thr Glu Phe Cys Ala Gln
                165                 170                 175

Leu Gly Ile Ile
            180
```

<210> 6116
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6116
Asn Tyr Lys Ile Cys Met Tyr Leu Ala Leu Asn His Asn Leu Lys Tyr
1 5 10 15

Phe Met Asn Ser Phe Thr Ser Ile Asp Ser Gln Asn Ser Asn Xaa Lys
20 25 30

Leu Ala Ser Glu Pro Val Arg Thr Pro Pro His Pro Ser Ser Cys Leu
35 40 45

Asp Leu Ser Thr Ala Ile Ile Leu Cys Lys Ala Val Val Leu Thr
50 55 60

<210> 6117
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO_ 0122920A2 I_>

<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6117
Thr Leu Thr Lys Gly Xaa Lys Ser Trp Xaa Ser Thr Ala Val Thr Thr
1 5 10 15

Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala
20 25 30

Gln Leu Thr Arg Cys Gln Leu Gly Ser Cys Ser Gly Gly Arg Lys Arg
35 40 45

Leu Arg Arg Phe Pro Ala Leu Ser Pro Gln Pro Xaa Arg Xaa Ser Gly
50 55 60

Ser Gln Asp Val Xaa Phe Asp Asp
65 70

<210> 6118
<211> 257
<212> PRT
<213> Homo sapiens

<400> 6118
Pro Arg Val Arg Ala Phe Ala Gly Val Pro Thr Arg Gly Arg Thr Arg
1 5 10 15

Gly Gln Ser Arg Arg Cys Ala Ala Glu Ala Ser Ala Gly Pro Glu Arg
20 25 30

Asp Ala Arg Pro Gly Ala Pro Ala Ala Gly Thr Met Gly Ala Ala His
35 40 45

Ser Ala Ser Glu Glu Val Arg Glu Leu Glu Gly Lys Thr Gly Phe Ser
50 55 60

Ser Asp Gln Ile Glu Gln Leu His Arg Arg Phe Lys Gln Leu Ser Gly
65 70 75 80

Asp Gln Pro Thr Ile Arg Lys Glu Asn Phe Asn Asn Val Pro Asp Leu
85 90 95

Glu Leu Asn Pro Ile Arg Ser Lys Ile Val Arg Ala Phe Phe Asp Asn
100 105 110

Arg Asn Leu Arg Lys Gly Pro Ser Gly Leu Ala Asp Glu Ile Asn Phe
115 120 125

BNSDOCID: <WO 0122920A2 I >

```
Glu Asp Phe Leu Thr Ile Met Ser Tyr Phe Arg Pro Ile Asp Thr Thr
    130                 135                 140

Met Asp Glu Glu Gln Val Glu Leu Ser Arg Lys Glu Lys Leu Arg Phe
145                 150                 155                 160

Leu Phe His Met Tyr Asp Ser Asp Ser Asp Gly Arg Ile Thr Leu Glu
                165                 170                 175

Glu Tyr Arg Asn Val Val Glu Glu Leu Leu Ser Gly Asn Pro His Ile
            180                 185                 190

Glu Lys Glu Ser Ala Arg Ser Ile Ala Asp Gly Ala Met Met Glu Ala
        195                 200                 205

Ala Ser Val Cys Met Gly Gln Met Glu Pro Asp Gln Val Tyr Glu Gly
    210                 215                 220

Ile Thr Phe Glu Asp Phe Leu Lys Ile Trp Gln Gly Ile Asp Ile Glu
225                 230                 235                 240

Thr Lys Met His Val Arg Phe Leu Asn Met Glu Thr Met Ala Leu Cys
                245                 250                 255

His
```

<210> 6119
<211> 94
<212> PRT
<213> Homo sapiens

<400> 6119

```
Leu Ser Ser Gly Ala Glu Gly Asp Pro Gly Ser Leu Thr Gly Arg Ala
  1               5                  10                  15

Phe Phe Phe Thr Thr Thr Trp Ala Glu Val Arg Glu Phe Cys His Thr
            20                  25                  30

Gly Gly Arg Val Thr His Gln Gly Gly Met Trp Leu Gln Gln Ala Lys
        35                  40                  45

Gly His Arg Lys Gly Gly Ala Gly Asp Ser Arg Val Ala Ala Thr Leu
    50                  55                  60

Val Gly Trp Gly Gly Ala Gly Gly Arg Ser Asn Arg Asp Gly Val Gly
65                  70                  75                  80
```

BNSDOCID: <WO__ 0122920A2_I_>

```
Leu Lys Lys Ser Phe Phe Phe Ser Phe Phe Lys Gln Lys Lys
                85                  90
```

<210> 6120
<211> 120
<212> PRT
<213> Homo sapiens

<400> 6120

```
Arg Tyr Phe Leu Lys Met Ala Lys Ile Leu Thr Thr Pro Lys Phe Ala
  1               5                  10                  15

His Ala Phe Arg Asn Leu Thr Phe Glu Gly Tyr Asp Gly Pro Val Thr
             20                  25                  30

Leu Asp Asp Trp Gly Asp Val Asp Ser Thr Met Val Leu Leu Tyr Thr
         35                  40                  45

Ser Val Asp Thr Lys Lys Tyr Lys Val Leu Leu Thr Tyr Asp Thr His
     50                  55                  60

Val Asn Lys Thr Tyr Pro Val Asp Met Ser Pro Thr Phe Thr Trp Lys
 65                  70                  75                  80

Asn Ser Lys Leu Pro Asn Asp Ile Thr Gly Arg Gly Pro Gln Ile Leu
                85                  90                  95

Met Ile Ala Val Phe Thr Leu Thr Gly Ala Val Val Leu Ser Cys Arg
            100                 105                 110

Arg Ser Pro Asp Ala Gln Lys Ile
        115                 120
```

<210> 6121
<211> 72
<212> PRT
<213> Homo sapiens

<400> 6121

```
Arg Pro Glu Gly Ala Gln Leu Cys Pro Gln Gly Lys Leu Lys Ser Pro
  1               5                  10                  15

Ala Leu Ser Ala Leu Gly Pro Cys Arg Ala Val Arg Val Glu Leu Pro
             20                  25                  30

Pro Gln Thr Leu Arg Ser His Ala Val His Ser Ser Ser Trp Ile Ser
         35                  40                  45
```

Leu Arg Thr Phe Val Leu Ala Tyr Leu Asn Asp Leu Ser Thr Glu Thr
50 55 60

Pro Gly Cys Leu Pro Leu Pro Leu
65 70

<210> 6122
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6122
Val Leu Xaa Ser Ile Pro Phe Ile Ile Ser Tyr Val Ile Ser Leu Ser
1 5 10 15

Phe Leu Val Gly Ser Lys Thr His Xaa Gln Phe Ser Gln Ser Ser Met
20 25 30

Asp Ile

<210> 6123
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2 1_ >

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6123
Ser Ser Phe Pro Gln Pro Pro Xaa His Gly Trp Val Gly Glu Ala Arg
1 5 10 15

Arg Asn Xaa Leu Arg Gln Glu Val Ala Ala Ala Gln Val Xaa Leu Leu
20 25 30

Ala Ser Glu Pro Thr Glu Val Arg Ser Gly Arg Trp Thr Cys Pro Pro
35 40 45

Asn Val Pro Asp Ser Gly Ser Cys Cys His Trp Ile Ser Trp His Gly
50 55 60

Arg Gln Lys Glu Arg
65

<210> 6124
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6124
Thr Pro Ala Pro Pro Ser Pro Ala Ala Ala Arg Glu Ser Thr Arg Arg
1 5 10 15

Val Ala Ile Asn Val Arg Ala Ser Ile Ala Leu Ser Ser Ser Leu Arg
20 25 30

Thr Leu Val Leu Pro Arg Leu Thr Pro Thr Ser Pro Gly Pro Arg Gly
35 40 45

Trp Gly Asn Leu Ala Val Pro Arg Leu Ser Asn Lys Ala Val Leu Ser
50 55 60

Asn Ser Lys Lys Lys Lys Lys Lys Xaa Ser Phe Phe Phe Phe Phe Xaa
65 70 75 80

<210> 6125
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6125
Ser Ser Ser Xaa Lys Xaa Asp Xaa Arg Ile Gly Lys Ala Gly Thr Pro
1 5 10 15

Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Gly Glu
20 25 30

Val Leu Phe Ser Thr Cys Gly Val Ser His Trp Lys His Asn Pro Ile
35 40 45

Val Pro Glu Gly Phe Ser Pro Gln Trp Leu Ser His Pro Lys Arg Lys
50 55 60

Ser Leu Ser Phe Leu Thr Leu Leu Phe Cys His Leu Leu Pro Leu Asp
65 70 75 80

Asn Gln Gly Gln Gly Ala Thr Trp Lys Cys Leu Thr
85 90

<210> 6126
<211> 105

<212> PRT
<213> Homo sapiens

<400> 6126
Asp Glu Glu Ala Lys Asp Glu Lys Ala Glu Pro Asn Arg Asp Lys Ser
1 5 10 15

Val Gly Pro Leu Pro Gln Ala Asp Pro Glu Val Ser Asp Ile Glu Ser
20 25 30

Arg Ile Ala Ala Leu Arg Ala Ala Gly Leu Thr Val Lys Pro Ser Gly
35 40 45

Lys Pro Arg Arg Lys Ser Asn Leu Pro Ala Leu Tyr Glu Gly Thr Leu
50 55 60

Ser Leu Cys Ser Glu Asp Leu Lys His Thr His Pro Asp Ser Val Lys
65 70 75 80

Ser Lys Arg Ser Arg Leu Asn His Val Ala Ser Cys Gly Asn Leu Ser
85 90 95

Pro Pro Pro Arg Glu Asp Gly Cys Asp
100 105

<210> 6127
<211> 42
<212> PRT
<213> Homo sapiens

<400> 6127
Thr Pro Glu Leu Lys Arg Ser Phe His Leu Ile Leu Gln Ser Ser Trp
1 5 10 15

Asp Tyr Ser Arg Val Ser Thr Cys Leu Ala Asn Phe Ser Phe Leu Ile
20 25 30

Phe Leu Glu Leu Gly Ser His Tyr Val Ala
35 40

<210> 6128
<211> 176
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6128

```
Pro Ala Ala Val Gln Pro Leu Gly Leu Pro Ser Pro Ser Thr Ser Cys
  1               5                  10                  15

Ser Ser Ala Ser Gln Ala Ile Ala Met Val Phe Val Arg Arg Pro Trp
             20                  25                  30

Pro Ala Leu Thr Thr Val Leu Leu Ala Leu Leu Val Cys Leu Gly Ala
         35                  40                  45

Leu Val Asp Ala Tyr Pro Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala
     50                  55                  60

Ser Pro Glu Glu Leu Asn Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu
 65                  70                  75                  80

Asn Leu Val Thr Arg Gln Arg Tyr Gly Lys Arg Asp Gly Pro Asp Thr
                 85                  90                  95

Leu Leu Ser Lys Thr Phe Phe Pro Asp Gly Glu Asp Arg Pro Val Ser
            100                 105                 110

Arg Gly Lys Ser Ala Arg Tyr His Thr Ser Cys Ile Arg Glu Arg Gly
        115                 120                 125

Leu Ala Leu Pro Trp Gln His His Leu Thr Thr Ser Pro Arg Leu Ala
    130                 135                 140

Ser Pro Asp Pro Ile Leu Xaa Phe Val Xaa Gln Ser Glu Gly Gln Thr
145                 150                 155                 160

Val Val Arg Thr Leu Arg Leu Trp Glu Xaa Ala Asn Ser Gln Ser Phe
                165                 170                 175
```

BNSDOCID: <WO . 0122920A2 I. >

<210> 6129
<211> 205
<212> PRT
<213> Homo sapiens

<400> 6129
Lys Val His Ser Ser Glu Ala Gly Leu Thr Ser Arg Phe Leu Ile Ala
1 5 10 15

Trp Asp Val His Arg Ala Asn Val Leu Glu Gly Gly Asp Pro Thr Phe
20 25 30

Pro Gln Leu Thr Ala Ser Pro His Ser Met Asp Ser Met Leu Pro Ser
35 40 45

Gly Glu Gly Gly Pro Lys Arg Thr His Pro Thr Val Pro Gly Ile Pro
50 55 60

Gly Gly Thr Arg Ala Gly Ala Gly Lys Ile Gly Arg Met Ile Ala Glu
65 70 75 80

Glu Ile Met Glu Ile His Arg Ile Arg Gly Ser Ser Pro Ser Ser Cys
85 90 95

Gly Ser Ser Pro Leu Asn Ile Thr Ser Thr Pro Pro Pro Asp Ala Ser
100 105 110

Ser Pro Gly Gly Lys Lys Ile Leu Asn Gly Gly Thr Pro Asp Ile Pro
115 120 125

Ser Ser Gly Leu Leu Ser Gly Gln Ala Gln Glu Asn Pro Gly Tyr Pro
130 135 140

Tyr Ser Asp Ser Ser Ser Ile Leu Gly Glu Asn Pro His Ile Gly Ile
145 150 155 160

Asp Met Ile Asp Asn Asp Gln Gly Ser Ser Ser Pro Ser Asn Asp Glu
165 170 175

Ala Ala Met Ala Val Ile Met Ser Leu Leu Glu Ala Asp Ala Gly Leu
180 185 190

Gly Gly Pro Val Asp Phe Ser Asp Leu Pro Trp Pro Leu
195 200 205

<210> 6130
<211> 63
<212> PRT

BNSDOCID: <WO__0122920A2_I_>

<213> Homo sapiens

<400> 6130
Pro Ala Lys Pro Gln Lys Gly Gln Glu Ser Gly Lys Leu Gln Arg Pro
1 5 10 15

Lys Arg Gln Gln Leu Ile Val Ser Ser Glu Cys Cys Cys Gln Asn Lys
20 25 30

Pro Thr Arg Ala Val Phe Ser Pro Cys Pro Asn Gln Ile Lys Val Gln
35 40 45

Ile Pro Glu Lys Glu Pro Pro Trp Leu Gly Arg Thr Gln Ala His
50 55 60

<210> 6131
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6131
Xaa Thr Val Ser Arg Val Arg Ala Leu Tyr Lys Arg Val Leu Gln Leu
1 5 10 15

His Arg Val Leu Pro Pro Asp Leu Lys Ser Leu Gly Asp Gln Tyr Val
20 25 30

Lys Asp Glu Phe Arg Arg His Lys Thr Val Gly Ser Asp Glu Ala Gln
35 40 45

Arg Phe Leu Gln Glu Trp Glu Gly Phe Lys Cys Leu Lys Ser Gly Arg
50 55 60

Glu Lys Glu Thr Val Phe Lys Glu Phe Lys Ile Leu Lys Trp Lys Arg
65 70 75 80

Pro Xaa Arg

<210> 6132
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6132
Val Gly Leu Glu Ile Asn Met Leu Ala Phe Ile Pro Val Leu Thr Lys
1 5 10 15

Lys Ile Asn Pro Arg Ser Thr Glu Ala Ala Ile Lys Tyr Phe Leu Thr
20 25 30

Gln Ala Thr Ala Ser Ile Ile Leu Leu Ile Ala Ile Leu Phe Asn Asn
35 40 45

Ile Leu Ser Gly Gln
50

<210> 6133
<211> 180
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6133
Ala Gln Asp Gln Asn Ser Lys Cys Ile Gly Thr Asp Leu Asn Arg Asn
1 5 10 15

Phe Asn Ala Ser Trp Asn Ser Ile Pro Asn Thr Asn Asp Pro Cys Ala
20 25 30

Asp Asn Tyr Arg Gly Ser Ala Pro Glu Ser Glu Xaa Glu Thr Lys Xaa
35 40 45

Val Thr Asn Phe Ile Arg Ser His Leu Asn Glu Ile Lys Val Tyr Ile
50 55 60

Thr Phe His Ser Tyr Ser Gln Met Leu Leu Phe Pro Tyr Gly Tyr Thr

65 70 75 80

Ser Lys Leu Pro Pro Asn His Glu Asp Leu Ala Lys Val Ala Lys Ile
85 90 95

Gly Thr Asp Val Leu Ser Thr Arg Tyr Glu Thr Arg Tyr Ile Tyr Gly
100 105 110

Pro Ile Glu Ser Thr Ile Tyr Pro Ile Ser Gly Ser Ser Leu Asp Trp
115 120 125

Ala Tyr Asp Leu Gly Ile Lys His Thr Phe Ala Phe Glu Leu Arg Asp
130 135 140

Lys Gly Lys Phe Gly Phe Leu Leu Pro Glu Ser Arg Ile Lys Pro Thr
145 150 155 160

Cys Arg Glu Thr Met Leu Ala Val Lys Phe Ile Ala Lys Tyr Ile Leu
165 170 175

Lys His Thr Ser
180

<210> 6134
<211> 42
<212> PRT
<213> Homo sapiens

<400> 6134
Met Val Leu Phe Ala Val Thr Gln Thr Thr Leu His Lys Thr Phe Phe
1 5 10 15

Pro Lys Trp Tyr Lys Phe Ile Asn Tyr His Phe Ser Leu Thr Val Phe
20 25 30

Val Asn Thr Thr Leu Gln Lys Ser Ala Phe
35 40

<210> 6135
<211> 212
<212> PRT
<213> Homo sapiens

<400> 6135
Phe Tyr Leu Gly Ser Ser Thr Ala Ser Asp Phe Leu Ala Val Glu Met
1 5 10 15

```
Arg Arg Gly Arg Val Ala Phe Leu Trp Asp Leu Gly Ser Gly Ser Thr
            20                  25                  30

Arg Leu Glu Phe Pro Asp Phe Pro Ile Asp Asp Asn Arg Trp His Ser
        35                  40                  45

Ile His Val Ala Arg Phe Gly Asn Ile Gly Ser Leu Ser Val Lys Glu
    50                  55                  60

Met Ser Ser Asn Gln Lys Ser Pro Thr Lys Thr Ser Lys Ser Pro Gly
65                  70                  75                  80

Thr Ala Asn Val Leu Asp Val Asn Asn Ser Thr Leu Met Phe Val Gly
                85                  90                  95

Gly Leu Gly Gly Gln Ile Lys Lys Ser Pro Ala Val Lys Val Thr His
            100                 105                 110

Phe Lys Gly Cys Leu Gly Glu Ala Phe Leu Asn Gly Lys Ser Ile Gly
        115                 120                 125

Leu Trp Asn Tyr Ile Glu Arg Glu Gly Lys Cys Arg Gly Cys Phe Gly
    130                 135                 140

Ser Ser Gln Asn Glu Asp Pro Ser Phe His Phe Asp Gly Ser Gly Tyr
145                 150                 155                 160

Ser Val Val Glu Lys Ser Leu Pro Ala Thr Val Thr Gln Ile Ile Met
                165                 170                 175

Leu Phe Asn Thr Phe Ser Pro Asn Gly Leu Leu Ser Leu Pro Gly Phe
            180                 185                 190

Ile Arg His Lys Arg Leu Phe Ile His Arg Ala Val Ser Trp Gln Ser
        195                 200                 205

Glu Gly Tyr Asp
    210
```

<210> 6136
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6136
His Ala Ser Pro Pro Ser Glu Lys Lys Ile Leu Arg Gln Ser Met Cys
1 5 10 15

Phe Ser Cys Pro Ser Xaa His Arg Ser Leu Ser Xaa Thr Gln Xaa Asp
20 25 30

Phe Ser Gly Val Lys Phe Arg Arg His Gly Ala Asp Asn His Glu Ala
35 40 45

Ser Ala Ala Thr Ala Thr Thr Ala Ala Ala Thr Thr Val Ala Ala Ala
50 55 60

Ala Ala Ala Ala Ala Ala Arg Val Thr Leu Thr
65 70 75

<210> 6137
<211> 186
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6137
Lys Leu Thr Leu Thr Lys Gly Xaa Lys Ser Trp Glu Leu His Arg Gly
1 5 10 15

Asp Xaa Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly
20 25 30

Thr Arg Thr Thr Glu Gly Glu Glu Ile Thr Glu Ser Ser Ser Thr Glu

BNSDOCID: <WO__ 0122920A2 I >

```
         35                  40                  45

Glu Met Glu Val Arg Ser Val Val Ala Asp Thr Asp Gln Lys Ala Leu
     50                  55                  60

Gly Ser Glu Val Gln Asp Ala Ser Lys Val Thr Thr Gln Ile Asp Lys
 65                  70                  75                  80

Glu Lys Lys Glu Ile Pro Val Ser Ile Lys Lys Glu Pro Glu Val Thr
                 85                  90                  95

Val Val Ser Gln Pro Thr Glu Pro Gln Pro Val Leu Ile Pro Ser Ile
            100                 105                 110

Asn Ile Asn Ser Asp Ser Gly Glu Asn Lys Glu Glu Ile Gly Ser Leu
        115                 120                 125

Ser Lys Thr Glu Thr Ile Leu Pro Pro Glu Ser Glu Asn Pro Lys Glu
    130                 135                 140

Asn Asp Asn Asp Ser Gly Thr Gly Ser Thr Ala Asp Thr Ser Ser Ile
145                 150                 155                 160

Asp Leu Asn Leu Ser Ile Ser Ser Phe Leu Ser Lys Thr Lys Asp Ser
                165                 170                 175

Gly Ser Ile Ser Leu Gln Glu Thr Lys Lys
            180                 185
```

<210> 6138
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6138
Xaa Xaa Leu Leu Lys Gly Thr Lys Xaa Gly Ser Ser Thr Ala Val Xaa
1 5 10 15

Thr Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
20 25 30

Ala Gly Ser Gly Pro Glu Pro Glu Ser Glu Ser Glu Ser Glu Ser Glu
35 40 45

Pro Lys Ser Glu Cys Gln Ser Glu Pro Asp Ser Glu Ser Asp Ala Glu
50 55 60

Ser Asp Ser Glu Phe Glu Pro Glu Gly Glu Pro Gly Lys Pro Glu Ala
65 70 75 80

Glu Leu Arg Gln Gly Ala Glu
85

<210> 6139
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6139
Arg Ala Phe Gly Gln Ala Arg Xaa Ala Ala Glu Ala Ile Ser Leu Thr
1 5 10 15

Gln Gly Arg Ser Cys Pro Glu Pro Ala Thr Ala Leu Ser Gln Pro Ala

20 25 30

Ser Phe Ser Val Leu Pro Xaa Pro Arg Leu Pro Arg Arg Gly Tyr Pro
35 40 45

Gln Pro Gln Pro Gly Ala Gly Glu Ala Ala Lys Gly Glu Gly Arg Asn
50 55 60

Gln Gly Met Ser Ala Gly Arg Ala Xaa Gly Ala Leu Ser Arg Thr Arg
65 70 75 80

Thr Ala Leu Gly Ala Gly
85

<210> 6140
<211> 594
<212> PRT
<213> Homo sapiens

<400> 6140
Arg Gln Ile Phe Gln Ser Leu Pro Pro Phe Met Asp Ile Leu Leu Leu
1 5 10 15

Leu Leu Phe Phe Met Ile Ile Phe Ala Ile Leu Gly Phe Tyr Leu Phe
20 25 30

Ser Pro Asn Pro Ser Asp Pro Tyr Phe Ser Thr Leu Glu Asn Ser Ile
35 40 45

Val Ser Leu Phe Val Leu Leu Thr Thr Ala Asn Phe Pro Asp Val Met
50 55 60

Met Pro Ser Tyr Ser Arg Asn Pro Trp Ser Cys Val Phe Phe Ile Val
65 70 75 80

Tyr Leu Ser Ile Glu Leu Tyr Phe Ile Met Asn Leu Leu Leu Ala Val
85 90 95

Val Phe Asp Thr Phe Asn Asp Ile Glu Lys Arg Lys Phe Lys Ser Leu
100 105 110

Leu Leu His Lys Arg Thr Ala Ile Gln His Ala Tyr Arg Leu Leu Ile
115 120 125

Ser Gln Arg Arg Pro Ala Gly Ile Ser Tyr Arg Gln Phe Glu Gly Leu
130 135 140

Met Arg Phe Tyr Lys Pro Arg Met Ser Ala Arg Glu Arg Tyr Leu Thr
145 150 155 160

Phe Lys Ala Leu Asn Gln Asn Asn Thr Pro Leu Leu Ser Leu Lys Asp
165 170 175

Phe Tyr Asp Ile Tyr Glu Val Ala Ala Leu Lys Trp Lys Ala Lys Lys
180 185 190

Asn Arg Glu His Trp Phe Asp Glu Leu Pro Arg Thr Ala Leu Leu Ile
195 200 205

Phe Lys Gly Ile Asn Ile Leu Val Lys Ser Lys Ala Phe Gln Tyr Phe
210 215 220

Met Tyr Leu Val Val Ala Val Asn Gly Val Trp Ile Leu Val Glu Thr
225 230 235 240

Phe Met Leu Lys Gly Gly Asn Phe Phe Ser Lys His Val Pro Trp Ser
245 250 255

Tyr Leu Val Phe Leu Thr Ile Tyr Gly Val Glu Leu Phe Leu Lys Val
260 265 270

Ala Gly Leu Gly Pro Val Glu Tyr Leu Ser Ser Gly Trp Asn Leu Phe
275 280 285

Asp Phe Ser Val Thr Val Phe Ala Phe Leu Gly Leu Leu Ala Leu Ala
290 295 300

Leu Asn Met Glu Pro Phe Tyr Phe Ile Val Val Leu Arg Pro Leu Gln
305 310 315 320

Leu Leu Arg Leu Phe Lys Leu Lys Glu Arg Tyr Arg Asn Val Leu Asp
325 330 335

Thr Met Phe Glu Leu Leu Pro Arg Met Ala Ser Leu Gly Leu Thr Leu
340 345 350

Leu Ile Phe Tyr Tyr Ser Phe Ala Ile Val Gly Met Glu Phe Phe Cys
355 360 365

Gly Ile Val Phe Pro Asn Cys Cys Asn Thr Ser Thr Val Ala Asp Ala
370 375 380

Tyr Arg Trp Arg Asn His Thr Val Gly Asn Arg Thr Val Val Glu Glu
385 390 395 400

Gly Tyr Tyr Tyr Leu Asn Asn Phe Asp Asn Ile Leu Asn Ser Phe Val
405 410 415

Thr Leu Phe Glu Leu Thr Val Val Asn Asn Trp Tyr Ile Ile Met Glu
420 425 430

BNSDOCID: <WO 0122920A2 I >

```
Gly Val Thr Ser Gln Thr Ser His Trp Ser Arg Leu Tyr Phe Met Thr
        435                 440                 445

Phe Tyr Ile Val Thr Met Val Val Met Thr Ile Ile Val Ala Phe Ile
    450                 455                 460

Leu Glu Ala Phe Val Phe Arg Met Asn Tyr Ser Arg Lys Asn Gln Asp
465                 470                 475                 480

Ser Glu Val Asp Gly Gly Ile Thr Leu Glu Lys Glu Ile Ser Lys Glu
                485                 490                 495

Glu Leu Val Ala Val Leu Glu Leu Tyr Arg Glu Ala Arg Gly Ala Ser
            500                 505                 510

Ser Asp Val Thr Arg Leu Leu Glu Thr Leu Ser Gln Met Glu Arg Tyr
        515                 520                 525

Gln Gln His Ser Met Val Phe Leu Gly Arg Arg Ser Arg Thr Lys Ser
    530                 535                 540

Asp Leu Ser Leu Lys Met Tyr Gln Glu Glu Ile Gln Glu Trp Tyr Glu
545                 550                 555                 560

Glu His Ala Arg Glu Gln Glu Gln Gln Arg Gln Leu Ser Ser Ser Ala
                565                 570                 575

Ala Pro Ala Ala Gln Gln Pro Pro Gly Ser Arg Gln Arg Ser Gln Thr
            580                 585                 590

Val Thr
```

<210> 6141
<211> 377
<212> PRT
<213> Homo sapiens

<400> 6141

```
Leu Ala Glu Ala Thr Lys Lys Glu Ile Thr Phe Phe Gln Thr His Pro
  1               5                  10                  15

Tyr Phe Arg Val Leu Leu Glu Glu Gly Ser Ala Thr Val Pro Arg Leu
             20                  25                  30

Ala Glu Arg Leu Thr Thr Glu Leu Ile Met His Ile Gln Lys Ser Leu
         35                  40                  45
```

BNSDOCID: <WO___0122920A2_I_>

```
Pro Leu Leu Glu Gly Gln Ile Arg Glu Ser His Gln Lys Ala Thr Glu
     50                  55                  60

Glu Leu Arg Arg Cys Gly Ala Asp Ile Pro Ser Gln Glu Ala Asp Lys
 65                  70                  75                  80

Met Phe Phe Leu Ile Glu Lys Ile Lys Met Phe Asn Gln Asp Ile Glu
                 85                  90                  95

Lys Leu Val Glu Gly Glu Glu Val Val Arg Glu Asn Glu Thr Arg Leu
            100                 105                 110

Tyr Asn Lys Ile Arg Glu Asp Phe Lys Asn Trp Val Gly Ile Leu Ala
        115                 120                 125

Thr Asn Thr Gln Lys Val Lys Asn Ile Ile His Glu Glu Val Glu Lys
    130                 135                 140

Tyr Glu Lys Gln Tyr Arg Gly Lys Glu Leu Leu Gly Phe Val Asn Tyr
145                 150                 155                 160

Lys Thr Phe Glu Ile Ile Val His Gln Tyr Ile Gln Gln Leu Val Glu
                165                 170                 175

Pro Ala Leu Ser Met Leu Gln Lys Ala Met Glu Ile Ile Gln Gln Ala
            180                 185                 190

Phe Ile Asn Val Ala Lys Lys His Phe Gly Glu Phe Phe Asn Leu Asn
        195                 200                 205

Gln Thr Val Gln Ser Thr Ile Glu Asp Ile Lys Val Lys His Thr Ala
    210                 215                 220

Lys Ala Glu Asn Met Ile Gln Leu Gln Phe Arg Met Glu Gln Met Val
225                 230                 235                 240

Phe Cys Gln Asp Gln Ile Tyr Ser Val Val Leu Lys Lys Val Arg Glu
                245                 250                 255

Glu Ile Phe Asn Pro Leu Gly Thr Pro Ser Gln Asn Met Lys Leu Asn
            260                 265                 270

Ser His Phe Pro Ser Asn Glu Ser Ser Val Ser Ser Phe Thr Glu Ile
        275                 280                 285

Gly Ile His Leu Asn Ala Tyr Phe Leu Glu Thr Ser Lys Arg Leu Ala
    290                 295                 300

Asn Gln Ile Pro Phe Ile Ile Gln Tyr Phe Met Leu Arg Glu Asn Gly
305                 310                 315                 320
```

BNSDOCID: <WO_ 0122920A2 I_>

```
Asp Ser Leu Gln Lys Ala Met Met Gln Ile Leu Gln Glu Lys Asn Arg
                325                 330                 335

Tyr Ser Trp Leu Leu Gln Glu Gln Ser Glu Thr Ala Thr Lys Arg Arg
            340                 345                 350

Ile Leu Lys Glu Arg Ile Tyr Arg Leu Thr Gln Ala Arg His Ala Leu
        355                 360                 365

Cys Gln Phe Ser Ser Lys Glu Ile His
    370                 375
```

<210> 6142
<211> 87
<212> PRT
<213> Homo sapiens

<400> 6142

```
Gln Ile Lys Gly Glu Val Leu Ala Lys Ser Ile Cys Glu Asp Asp Thr
  1               5                  10                  15

Leu Gly Ile Ala Gly His Lys Thr Gly Lys Val Gly Lys Cys Ser Leu
            20                  25                  30

Asn Gly Ala Tyr Thr Leu Ser Tyr Arg Gln Trp Glu Ala Leu Gly Lys
        35                  40                  45

Asn Thr Val Ile Arg Lys Phe Cys Ile His Phe Ser Asn Gly Glu Lys
    50                  55                  60

Leu Gly Asn Ser Leu Leu Gly Gly Ser Leu Trp Ala Gly Ile Ser Gln
65                  70                  75                  80

Leu Ile Ser Gly Phe Ile Phe
                85
```

<210> 6143
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6143

```
Ile Arg His Arg Leu Asp Leu Leu Leu Gly Val Arg Glu Lys Ser Val
  1               5                  10                  15

Ser Xaa Leu Leu Val Leu Leu Pro Lys Cys Phe Tyr Lys Glu Met Thr
             20                  25                  30

Gly Asp Ile Tyr Ser Pro Lys Glu Leu Ile Tyr
         35                  40
```

<210> 6144
<211> 76
<212> PRT
<213> Homo sapiens

<400> 6144

```
His Lys Arg Cys Leu Ile Phe Ile Gln Ala Ile Phe Ala His Ile His
  1               5                  10                  15

Gln Asn Gly Met Thr Gln Gly Lys Asn His Phe Ala Lys Gly Asn Lys
             20                  25                  30

Thr Ser Cys Arg Gln Leu Asp Thr Phe Arg Leu Phe Arg Lys Val Cys
         35                  40                  45

Thr Gly Thr Leu Ile Gly Ile Leu Leu Val Tyr Leu Leu Ser Tyr Phe
     50                  55                  60

Lys Val Val Ala Leu Ile Ile Val Val Ser Val Phe
 65                  70                  75
```

<210> 6145
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6145

```
Trp Met Lys Met Arg Lys Thr Glu Pro Arg Glu Leu Leu Glu Thr Ser
  1               5                  10                  15

Leu Arg Lys Lys Arg Arg Asp Gln Phe Asn Val Leu Ile Lys Glu Leu
             20                  25                  30
```

```
Ser Ser Met Leu Pro Gly Asn Thr Arg Lys Met Asp Lys Thr Thr Val
         35                  40                  45

Leu Glu Lys Val Ile Gly Phe Leu Gln Lys His Asn Glu Val Ser Ala
     50                  55                  60

Gln Thr Glu Ile Cys Asp Ile Gln Gln Asp Trp Xaa Pro Ser Phe Leu
 65                  70                  75                  80

Ser Asn Glu Glu Phe Thr Gln Leu Met Leu Glu Ser His Phe Arg Asp
                 85                  90                  95

Cys Glu Glu Ser Arg Cys His Val Leu Val Ala Arg Met Phe Pro Phe
            100                 105                 110
```

<210> 6146
<211> 75
<212> PRT
<213> Homo sapiens

<400> 6146

```
Ser Phe Thr Pro Ala Asn Thr Ser Ile Leu Leu Ile Asn Gly Asn Ile
  1               5                  10                  15

Leu Met Cys His Phe Leu Ser Lys Gln Val Ser Tyr Thr Ala Pro Arg
             20                  25                  30

Gly Pro Arg Glu Ala Glu Ala Gln Thr Glu Gly Glu His Ser Leu Ala
         35                  40                  45

Gly Arg His Met Pro Gly Arg Met Thr Ile Gly Ile Ala Ser Ser Ile
     50                  55                  60

Asn Gln Leu Leu Lys Gly Phe Leu Ser Asp Ser
 65                  70                  75
```

<210> 6147
<211> 32
<212> PRT
<213> Homo sapiens

<400> 6147

```
Thr Leu Cys Val Gly Ser Trp Gln Ala Ala Met Ser Leu Gly Ile Ile
  1               5                  10                  15
```

Glu Ile Ile Asp Asp Thr Glu His Ser Tyr Ala Leu Ser Leu Tyr Ser
20 25 30

<210> 6148
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6148
Gln Asp Arg Lys Gly Asp Arg Xaa Arg Leu Tyr Leu Lys Lys Xaa Xaa
1 5 10 15

Thr Ile Leu Phe Leu Ile Leu Phe Asn Ser Ser Phe Leu Phe Phe Ser
20 25 30

Pro Trp Leu Leu Cys Ser Leu Ile Val Ile
35 40

<210> 6149
<211> 74
<212> PRT
<213> Homo sapiens

<400> 6149
Asp Phe Phe Phe Lys Arg Thr Phe Lys Ile Met Ile Ser Asn Phe Asn
1 5 10 15

Cys Ile Tyr Arg Gly Phe Lys Glu Ser Leu Ile Ser Cys Thr Leu Leu

BNSDOCID: <WO 0122920A2_I_>

20 25 30

Arg Leu Ser Tyr Ser Phe Ser His Pro Arg Thr Gly Leu Pro Leu Arg
35 40 45

Glu Ala Asp Pro Leu Gln Val Ala Ile Thr Val Val Ala Ser Ser Ala
50 55 60

Ser Arg Leu Leu Gln Ser Arg Val Pro Phe
65 70

<210> 6150
<211> 35
<212> PRT
<213> Homo sapiens

<400> 6150
Leu Thr Leu Tyr Asp Met Cys Lys Ala Val Ser Arg Asp Ile Val Leu
1 5 10 15

Glu Glu Ile Lys Leu Ile Ser Lys Thr Gly Gly Gln Arg Gly Asp Phe
20 25 30

His Arg Ala
35

<210> 6151
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6151
Leu Ser Thr Glu Cys Asp Arg Tyr Cys Ser Lys His Phe Ile Cys Asn
1 5 10 15

Asp Leu Leu Leu Gln Asn Thr Pro Met Ser Asn Val Leu Leu Ser Pro
20 25 30

Tyr Leu Gln Leu Arg Lys Leu Gly Thr Glu Xaa Leu Ser Asn
35 40 45

<210> 6152
<211> 66
<212> PRT
<213> Homo sapiens

<400> 6152
Ala Lys Ile Lys Gly Leu Gln Lys His Ser Phe Leu Cys Cys Ser Leu
1 5 10 15

Leu Gly Phe Met Gln Arg Gln Phe Cys Val Asn Val Gln Leu Thr Leu
20 25 30

Ile Trp Lys Tyr Glu Asn Gln Ser Ile Leu Val Ile Lys Asn Phe Phe
35 40 45

Thr Ile Val Ile Ile Leu Met Phe Ile Leu Cys Lys Ile Thr His Leu
50 55 60

Ile Lys
65

<210> 6153
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6153
Gly Val Leu Gly Gln Xaa Val Thr Xaa Tyr Phe Ser Gln Pro Leu Xaa
1 5 10 15

Cys Asp Trp Arg Thr Leu Leu Phe Ser His Val Phe Leu Ile Met Pro
20 25 30

```
Glu Ser Pro Thr Pro Leu Leu Gly Arg Asp Ile Leu Gly Lys Ala Gly
         35                  40                  45

Ala Val Ile His
     50
```

<210> 6154
<211> 83
<212> PRT
<213> Homo sapiens

<400> 6154

```
Ser Val Trp Gly Ser Val Ser Phe Pro Gly Ser Trp His Ser Ser Gly
  1               5                  10                  15

Pro Leu Ser Leu Pro Leu Leu Gly Glu Gly Gly Lys Arg Glu Ile Pro
             20                  25                  30

Ser Ser Gln Pro Glu Arg Ala Glu Ala Asp Arg Ser Pro Leu Ala Leu
         35                  40                  45

Cys Ala Cys Val Arg Ala Ser Val Ser Leu Leu Val Gly Arg Ser Asp
     50                  55                  60

Val Val Gly Gly Lys Pro Gly Met Tyr Pro Phe Gln Thr Lys Leu Asn
 65                  70                  75                  80

Ile Leu Lys
```

<210> 6155
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6155

```
Glu Asn Ala Leu Gln Thr Phe Leu His Pro Thr Pro Pro Asn Ser Glu
```

```
  1               5                  10                  15

Ala Cys Trp Asp Pro Ser Ser Pro Ile Gly Ser Pro Gly Xaa Pro Ser
             20                  25                  30

Val Phe Thr Gln Ser Arg Pro Phe Phe Arg Ser Phe Pro Val Arg Gly
         35                  40                  45

Arg Tyr Thr Trp Thr Arg Ile Tyr Pro His Leu Thr Thr Leu Lys Ser
     50                  55                  60

Cys Phe Leu Pro Xaa Ile His Ile Leu Ser Ser Cys His Leu Pro Ile
 65                  70                  75                  80

Gln Leu His Ile Cys Leu Ile Ala Leu Phe Phe Ser Val His Leu Ser
                 85                  90                  95
```

<210> 6156
<211> 89
<212> PRT
<213> Homo sapiens

<400> 6156

```
Leu Ala Ile Ser Phe Thr Lys Met Ser Ser Ala Ala Glu Asn Gly Glu
  1               5                  10                  15

Ala Ala Pro Gly Lys Gln Asn Glu Glu Lys Thr Tyr Lys Lys Thr Ala
             20                  25                  30

Ser Ser Ala Ile Lys Gly Ala Ile Gln Leu Gly Ile Gly Tyr Thr Val
         35                  40                  45

Gly Asn Leu Thr Ser Lys Pro Glu Pro Arg Cys Ser Tyr Ala Arg Leu
     50                  55                  60

Leu Cys Gly Gly Lys Cys Val Pro Thr Gln Arg Arg Glu Ala Ile Leu
 65                  70                  75                  80

Thr Pro Ala His His Tyr Pro Arg Leu
                 85
```

<210> 6157
<211> 36
<212> PRT

<213> Homo sapiens

<400> 6157
Thr Ala Cys Lys Ile Leu Tyr Met Arg Cys Cys Arg Tyr Arg Asn Glu
1 5 10 15

Phe Ser Val His Val Trp Leu Ile Phe Phe Val His Asp Phe Cys Met
20 25 30

Phe Pro Phe Gln
35

<210> 6158
<211> 387
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6158
Pro Ala Gln Arg Pro Pro Pro Ala Xaa Gly Ala Ser Arg Gly Pro Gly
1 5 10 15

Gln Thr Arg Cys Glu Met Glu Lys Tyr Leu Thr Pro Gln Leu Pro Pro
20 25 30

Val Pro Ile Ile Pro Glu His Lys Lys Tyr Arg Arg Asp Ser Ala Ser
35 40 45

Val Val Asp Gln Phe Phe Thr Asp Thr Glu Gly Leu Pro Tyr Ser Ile
50 55 60

Asn Met Asn Val Phe Leu Pro Asp Ile Thr His Leu Arg Thr Gly Leu
65 70 75 80

Tyr Lys Ser Gln Arg Pro Cys Val Thr His Ile Lys Thr Glu Pro Val
85 90 95

Ala Ile Phe Ser His Gln Ser Glu Thr Thr Ala Pro Pro Pro Ala Pro
100 105 110

Thr Gln Ala Leu Pro Glu Phe Thr Ser Ile Phe Ser Ser His Gln Thr
115 120 125

Ala Ala Pro Glu Val Asn Asn Ile Phe Ile Lys Gln Glu Leu Pro Thr
130 135 140

```
Pro Asp Leu His Leu Ser Val Pro Thr Gln Gln Gly His Leu Tyr Gln
145                 150                 155                 160

Leu Leu Asn Thr Pro Asp Leu Asp Met Pro Ser Ser Thr Asn Gln Thr
                165                 170                 175

Ala Ala Met Asp Thr Leu Asn Val Ser Met Ser Ala Ala Met Ala Gly
            180                 185                 190

Leu Asn Thr His Thr Ser Ala Val Pro Gln Thr Ala Val Lys Gln Phe
        195                 200                 205

Gln Gly Met Pro Pro Cys Thr Tyr Thr Met Pro Ser Gln Phe Leu Pro
    210                 215                 220

Gln Gln Ala Thr Tyr Phe Pro Pro Ser Pro Pro Ser Ser Glu Pro Gly
225                 230                 235                 240

Ser Pro Asp Arg Gln Ala Glu Met Leu Gln Asn Leu Thr Pro Pro Pro
                245                 250                 255

Ser Tyr Ala Ala Thr Ile Ala Ser Lys Leu Ala Ile His Asn Pro Asn
            260                 265                 270

Leu Pro Thr Thr Leu Pro Val Asn Ser Gln Asn Ile Gln Pro Val Arg
        275                 280                 285

Tyr Asn Arg Arg Ser Asn Pro Asp Leu Glu Lys Arg Arg Ile His Tyr
    290                 295                 300

Cys Asp Tyr Pro Gly Cys Thr Lys Val Tyr Thr Lys Ser Ser His Leu
305                 310                 315                 320

Lys Ala His Leu Arg Thr His Thr Gly Glu Lys Pro Tyr Lys Cys Thr
                325                 330                 335

Trp Glu Gly Cys Asp Trp Arg Phe Ala Arg Ser Asp Glu Leu Thr Arg
            340                 345                 350

His Tyr Arg Lys His Thr Gly Ala Lys Pro Phe Gln Cys Gly Val Cys
        355                 360                 365

Asn Arg Ser Phe Ser Arg Ser Asp His Leu Ala Leu His Met Lys Arg
    370                 375                 380

His Gln Asn
385
```

BNSDOCID: <WO_ _0122920A2 1 >

<210> 6159
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6159
Thr Gly Asn Ser Gln Ser Xaa Phe Thr His His Leu Pro Val Asn Ser
1 5 10 15

Gln Asn Xaa Gln Pro Val Arg Tyr Asn Arg Arg Ser Asn Pro Asp Leu
20 25 30

Glu Lys Arg Arg Ile His Tyr Cys Asp Tyr Pro Gly Cys Thr Lys Val
35 40 45

Tyr Thr Lys Ser Ser His Leu Lys Ala His Leu Arg Thr His Thr Gly
50 55 60

Glu Val Ile Ser Thr Arg Leu Phe Cys Phe Asn Leu Gln Lys Glu Gly
65 70 75 80

Val

<210> 6160
<211> 142
<212> PRT
<213> Homo sapiens

<400> 6160
Val Leu Pro Pro Leu Leu Ile Met Leu Val Ile Tyr Ile Lys Ile Phe
1 5 10 15

Leu Val Ala Cys Arg Gln Leu Gln Arg Thr Glu Leu Met Asp His Ser
20 25 30

Arg Thr Thr Leu Gln Arg Glu Ile His Ala Ala Lys Ser Leu Ala Met
35 40 45

```
Ile Val Gly Ile Phe Ala Leu Cys Trp Leu Pro Val His Ala Val Asn
     50                  55                  60

Cys Val Thr Leu Phe Gln Pro Ala Gln Gly Lys Asn Lys Pro Lys Trp
 65                  70                  75                  80

Ala Met Asn Met Ala Ile Leu Leu Ser His Ala Asn Ser Val Val Asn
                 85                  90                  95

Pro Ile Val Tyr Ala Tyr Arg Asn Arg Asp Phe Arg Tyr Thr Phe His
            100                 105                 110

Lys Ile Ile Ser Arg Tyr Leu Leu Cys Gln Ala Asp Val Lys Ser Gly
        115                 120                 125

Asn Gly Gln Ala Gly Val Gln Pro Ala Leu Gly Val Gly Leu
    130                 135                 140
```

<210> 6161
<211> 69
<212> PRT
<213> Homo sapiens

<400> 6161

```
Lys Ser Ile Glu Gln Lys Gly Met His Ala Val Phe Gln Trp Leu Arg
  1               5                  10                  15

His Ala Phe Tyr Ser Leu Thr Ser Ile His Phe Phe Thr Thr Cys Ile
             20                  25                  30

Lys Thr Asn Asp Leu Cys Phe Cys His Arg Gln Lys Gln Val Asp Thr
         35                  40                  45

Gly Gly Leu Ala Leu Leu Ile Asn Phe Phe Ser Ile Arg Phe Ser Leu
     50                  55                  60

Ile Met Leu Asn Phe
 65
```

<210> 6162
<211> 96
<212> PRT
<213> Homo sapiens

<400> 6162

```
Phe Ser Lys His Asn Leu Ile Pro Asn Arg Phe Pro Leu Asn Gly Leu
  1               5                  10                  15
```

```
Arg Cys Val Arg Thr Trp Ala Arg Ala Gly Arg Thr Ile Leu Ile Pro
            20                  25                  30

Leu Phe Pro Ala Tyr His Leu Cys Ser Pro Phe Ser Ser Leu Pro Phe
        35                  40                  45

Asn Cys Leu Leu Cys Phe Val Ser Tyr His Cys Cys Trp Cys Leu Glu
    50                  55                  60

Pro Ala Ser Ser Thr Trp Gln Thr Ser Arg Pro Cys Gly Gln Arg Leu
65                  70                  75                  80

Gly Leu His Ile Tyr Ile Ser Gln Met Ile Trp Val Asp Gly Asp Arg
                85                  90                  95
```

<210> 6163
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6163

```
Ile Leu Cys Thr Arg Ile Pro Gly Arg Val Phe Tyr Pro Trp Lys Gln
  1               5                  10                  15

Val Ser Asp Tyr Phe Val Phe Thr Val Arg Val Ser Ser Leu Glu Met
            20                  25                  30

Leu Thr Leu Lys Ser Val Phe Phe Ser Leu Tyr Leu Lys Ile Val Asn
        35                  40                  45

Ile Leu Ile Ser Ser
    50
```

<210> 6164
<211> 105
<212> PRT
<213> Homo sapiens

<400> 6164

```
Ile Arg His Glu Gly Ala Gly Pro Ser Gln Leu Arg Leu His Tyr Pro
  1               5                  10                  15

Arg Ile Ser Met Ala Val Arg Gln Trp Val Ile Ala Leu Ala Leu Ala
```

BNSDOCID: <WO__ 0122920A2 I >

20 25 30

Ala Leu Leu Val Val Asp Arg Glu Val Pro Val Ala Ala Gly Lys Leu
35 40 45

Pro Phe Ser Arg Met Pro Ile Cys Glu His Met Val Glu Ser Pro Thr
50 55 60

Cys Ser Gln Met Ser Asn Leu Val Cys Gly Thr Asp Gly Leu Thr Tyr
65 70 75 80

Thr Asn Glu Cys Gln Leu Cys Leu Ala Arg Ile Lys Thr Lys Gln Asp
85 90 95

Ile Gln Ile Met Lys Asp Gly Lys Cys
100 105

<210> 6165
<211> 69
<212> PRT
<213> Homo sapiens

<400> 6165
His Arg Leu Asp Phe Leu Gln Leu Met Ile Asp Ser Gln Asn Ser Lys
1 5 10 15

Glu Thr Glu Ser His Lys Ala Leu Ser Asp Leu Glu Leu Ala Ala Gln
20 25 30

Ser Ile Ile Phe Ile Phe Ala Gly Tyr Glu Thr Thr Ser Ser Val Leu
35 40 45

Ser Phe Thr Leu Tyr Glu Leu Ala Thr His Pro Asp Val Gln Gln Lys
50 55 60

Leu Gln Lys Gly Asp
65

<210> 6166
<211> 79
<212> PRT
<213> Homo sapiens

<400> 6166
His Arg Leu Asp Phe Leu Gln Leu Met Ile Asp Ser Gln Asn Ser Lys
1 5 10 15

Glu Thr Glu Ser His Lys Ala Leu Ser Asp Leu Glu Leu Ala Ala Gln
20 25 30

Ser Ile Ile Phe Ile Phe Ala Gly Tyr Glu Thr Thr Ser Ser Val Leu
35 40 45

Ser Phe Thr Leu Tyr Glu Leu Ala Thr His Pro Asp Val Gln Gln Lys
50 55 60

Leu Gln Lys Glu Ile Asp Ala Val Leu Pro Asn Lys Val Arg Gly
65 70 75

<210> 6167
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6167
Xaa Glu His Pro Ser Thr Ala Pro Gly Lys Met Ser Thr Glu Gly Gly
1 5 10 15

Gly Arg Arg Cys Gln Ala Gln Val Ser Arg Arg Ile Ser Phe Ser Ala
20 25 30

Ser His Arg Leu Tyr Ser Lys Phe Leu Ser Asp Glu Glu Asn Leu Lys
35 40 45

Leu Phe Gly Lys Cys Asn Asn Pro Asn Gly His Gly His Asn Tyr Lys
50 55 60

Val Val Val Thr Val His Gly Glu Ile Asp Pro Ala Thr Gly Met Val
65 70 75 80

Met Asn Leu Ala Asp Leu Lys Lys Tyr Met Glu Glu Ala Ile Met Gln
85 90 95

Pro Leu Asp His Lys Asn Leu Asp Met Asp Val Pro Tyr Phe Ala Asp
100 105 110

Val Val Xaa Leu Pro Gly Leu
115

<210> 6168
<211> 192
<212> PRT
<213> Homo sapiens

<400> 6168
Pro Glu Gln Arg Gly Ser Ser Met Ala His Gly Pro Gly Ala Leu Met
1 5 10 15

Leu Lys Cys Val Val Val Gly Asp Gly Ala Val Gly Lys Thr Cys Leu
20 25 30

Leu Met Ser Tyr Ala Asn Asp Ala Phe Pro Glu Ser Thr Cys Pro Pro
35 40 45

Ser Ser Thr Thr Thr Gln Glu Asp Tyr Asp Arg Leu Arg Pro Leu Ser
50 55 60

Tyr Pro Met Thr Asp Val Phe Leu Ile Cys Phe Ser Val Val Asn Pro
65 70 75 80

Ala Ser Phe Gln Asn Val Lys Glu Glu Trp Val Pro Glu Leu Lys Glu
85 90 95

Tyr Ala Pro Asn Val Pro Phe Leu Leu Ile Gly Thr Gln Ile Asp Leu
100 105 110

Arg Asp Asp Pro Lys Thr Leu Ala Arg Leu Asn Asp Met Lys Glu Lys
115 120 125

Pro Ile Cys Val Glu Gln Gly Gln Lys Leu Ala Lys Glu Ile Gly Ala
130 135 140

Cys Cys Tyr Val Glu Cys Ser Ala Leu Thr Gln Lys Gly Leu Lys Thr
145 150 155 160

Val Phe Asp Glu Ala Ile Ile Ala Ile Leu Thr Pro Lys Lys His Thr
165 170 175

Val Lys Lys Arg Ile Gly Ser Arg Cys Ile Asn Cys Cys Leu Ile Thr
180 185 190

BNSDOCID: <WO_ 0122920A2 I >

<210> 6169
<211> 51
<212> PRT
<213> Homo sapiens

<400> 6169
Ala Lys Cys Arg Pro Val Cys Ser Cys Val Phe Phe Leu Trp Leu Pro
1 5 10 15

His Leu Phe His Leu Gln Leu Asp Pro Pro Leu Gln Ile Glu Asn Ser
20 25 30

Gly Gly Gly Trp Gly Leu Lys Ser Arg Glu Pro Pro Phe Cys Ser Thr
35 40 45

Asn Phe Thr
50

<210> 6170
<211> 353
<212> PRT
<213> Homo sapiens

<400> 6170
Arg Arg Arg Ser Val Leu Pro Val Thr Ala Ala Ala Ala Ala Ala Pro
1 5 10 15

Asp Thr Cys Gly Gly Gly Gly Asp Pro Ala Ala Gly Ala Glu Met Trp
20 25 30

Pro Leu Val Ala Ala Leu Leu Leu Gly Ser Ala Cys Cys Gly Ser Ala
35 40 45

Gln Leu Leu Phe Asn Lys Thr Lys Ser Val Glu Phe Thr Phe Cys Asn
50 55 60

Asp Thr Val Val Ile Pro Cys Phe Val Thr Asn Met Glu Ala Gln Asn
65 70 75 80

Thr Thr Glu Val Tyr Val Lys Trp Lys Phe Lys Gly Arg Asp Ile Tyr
85 90 95

Thr Phe Asp Gly Ala Leu Asn Lys Ser Thr Val Pro Thr Asp Phe Ser
100 105 110

Ser Ala Lys Ile Glu Val Ser Gln Leu Leu Lys Gly Asp Ala Ser Leu
115 120 125

```
Lys Met Asp Lys Ser Asp Ala Val Ser His Thr Gly Asn Tyr Thr Cys
    130                 135                 140

Glu Val Thr Glu Leu Thr Arg Glu Gly Glu Thr Ile Ile Glu Leu Lys
145                 150                 155                 160

Tyr Arg Val Val Ser Trp Phe Ser Pro Asn Glu Asn Ile Leu Ile Val
                165                 170                 175

Ile Phe Pro Ile Phe Ala Ile Leu Leu Phe Trp Gly Gln Phe Gly Ile
            180                 185                 190

Lys Thr Leu Lys Tyr Arg Ser Gly Gly Met Asp Glu Lys Thr Ile Ala
        195                 200                 205

Leu Leu Val Ala Gly Leu Val Ile Thr Val Ile Val Ile Val Gly Ala
    210                 215                 220

Ile Leu Phe Val Pro Gly Glu Tyr Ser Leu Lys Asn Ala Thr Gly Leu
225                 230                 235                 240

Gly Leu Ile Val Thr Ser Thr Gly Ile Leu Ile Leu Leu His Tyr Tyr
                245                 250                 255

Val Phe Ser Thr Ala Ile Gly Leu Thr Ser Phe Val Ile Ala Ile Leu
            260                 265                 270

Val Ile Gln Val Ile Ala Tyr Ile Leu Ala Val Val Gly Leu Ser Leu
        275                 280                 285

Cys Ile Ala Ala Cys Ile Pro Met His Gly Pro Leu Leu Ile Ser Gly
    290                 295                 300

Leu Ser Ile Leu Ala Leu Ala Gln Leu Leu Gly Leu Val Tyr Met Lys
305                 310                 315                 320

Phe Val Ala Ser Asn Gln Lys Thr Ile Gln Pro Pro Arg Lys Ala Val
                325                 330                 335

Glu Glu Pro Leu Asn Ala Phe Lys Glu Ser Lys Gly Met Met Asn Asp
            340                 345                 350

Glu
```

<210> 6171
<211> 358
<212> PRT
<213> Homo sapiens

<400> 6171

```
Arg Glu Gln Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr
  1               5                  10                  15

Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Gly Trp Ala Leu
             20                  25                  30

Arg Ile Ser Arg Phe Leu Pro Gly Phe His Ser Phe Ala Pro Cys Thr
         35                  40                  45

Val Ala Pro Ser Leu Arg Ala Gln Pro Ala Lys Gln Arg Ala Pro Val
     50                  55                  60

Ala Gly Val Met Gln Arg Ala Arg Pro Thr Leu Trp Ala Ala Ala Leu
 65                  70                  75                  80

Thr Leu Leu Val Leu Leu Arg Gly Pro Pro Val Ala Arg Ala Gly Ala
                 85                  90                  95

Ser Ser Ala Gly Leu Gly Pro Val Val Arg Cys Glu Pro Cys Asp Ala
            100                 105                 110

Arg Ala Leu Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu
        115                 120                 125

Val Arg Glu Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu
    130                 135                 140

Gly Gln Pro Cys Gly Ile Tyr Thr Glu Arg Cys Gly Ser Gly Leu Arg
145                 150                 155                 160

Cys Gln Pro Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp
                165                 170                 175

Gly Arg Gly Leu Cys Val Asn Ala Ser Ala Val Ser Arg Leu Arg Ala
            180                 185                 190

Tyr Leu Leu Pro Ala Pro Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu
        195                 200                 205

Glu Asp Arg Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr
    210                 215                 220

His Arg Val Ser Asp Pro Lys Phe His Pro Leu His Ser Lys Ile Ile
225                 230                 235                 240

Ile Ile Lys Lys Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp
                245                 250                 255

Tyr Glu Ser Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys
```

260 265 270

Arg Glu Thr Glu Tyr Gly Pro Cys Arg Arg Glu Met Glu Asp Thr Leu
275 280 285

Asn His Leu Lys Phe Leu Asn Val Leu Ser Pro Arg Gly Val His Ile
290 295 300

Pro Asn Cys Asp Lys Lys Gly Phe Tyr Lys Lys Lys Gln Cys Arg Pro
305 310 315 320

Ser Lys Gly Arg Lys Arg Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly
325 330 335

Gln Pro Leu Pro Gly Tyr Thr Thr Lys Gly Lys Glu Asp Val His Cys
340 345 350

Tyr Ser Met Gln Ser Lys
355

<210> 6172
<211> 140
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6172
Gln Arg Ile Pro Asp Pro Ala Arg Glu Gly Ser Arg Thr Met Glu Ser
1 5 10 15

Ser Ser Ser Ser Asn Ser Tyr Phe Ser Val Gly Pro Thr Ser Pro Ser
20 25 30

Ala Val Val Leu Leu Tyr Ser Lys Glu Leu Lys Lys Trp Asp Glu Phe
35 40 45

Glu Asp Ile Leu Glu Glu Arg Arg His Val Ser Asp Leu Lys Phe Ala
50 55 60

Met Lys Cys Tyr Thr Pro Leu Val Tyr Lys Gly Ile Thr Pro Cys Lys
65 70 75 80

Pro Ile Asp Ile Lys Cys Ser Val Leu Asn Ser Glu Xaa Ile His Tyr
85 90 95

Val Ile Lys Gln Xaa Ser Lys Xaa Ser Leu Gln Ser Val Gly Val Pro
100 105 110

Pro Arg Lys Leu Val Gly Phe Arg Trp Asn Gly Ser Gln Xaa Gly Phe
115 120 125

Gly Pro Phe Gly Leu Xaa Leu Xaa Xaa Ala Ser Phe
130 135 140

<210> 6173
<211> 229
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2_I >

<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6173

```
Val Pro Gly Ala Glu Gly Gly Gly Thr Gly Leu Asp Val Gly Arg Pro
  1               5                  10                  15

Ala Met Lys Pro Pro Ser Ser Ile Gln Thr Ser Glu Phe Asp Ser Ser
             20                  25                  30

Asp Glu Glu Pro Ile Glu Asp Glu Gln Thr Pro Ile His Ile Ser Trp
         35                  40                  45

Leu Ser Leu Ser Arg Val Asn Cys Ser Gln Phe Leu Gly Leu Cys Ala
     50                  55                  60

Leu Pro Gly Cys Lys Phe Lys Asp Val Arg Arg Asn Val Gln Lys Asp
 65                  70                  75                  80

Thr Glu Glu Leu Lys Ser Cys Gly Ile Gln Asp Ile Phe Val Phe Cys
                 85                  90                  95

Thr Arg Gly Glu Leu Ser Lys Tyr Arg Val Pro Asn Leu Leu Asp Leu
            100                 105                 110

Tyr Gln Gln Cys Gly Ile Ile Thr His His His Pro Ile Ala Asp Gly
        115                 120                 125

Gly Thr Pro Asp Ile Ala Ser Cys Cys Glu Ile Met Glu Glu Leu Thr
    130                 135                 140

Thr Cys Leu Lys Asn Tyr Arg Lys Thr Leu Ile His Cys Tyr Gly Gly
145                 150                 155                 160

Leu Gly Arg Ser Xaa Leu Val Ala Ala Xaa Leu Leu Leu Tyr Leu Ser
                165                 170                 175

Asp Thr Ile Ser Pro Glu Gln Ala Ile Asp Ser Leu Arg Asp Leu Arg
            180                 185                 190

Gly Ser Gly Ala Ile Gln Thr Ile Lys Gln Tyr Asn Tyr Leu His Glu
        195                 200                 205

Phe Arg Asp Lys Leu Ala Ala His Leu Ser Ser Arg Asp Ser Gln Ser
    210                 215                 220

Arg Ser Val Ser Arg
225
```

<210> 6174
<211> 183
<212> PRT
<213> Homo sapiens

<400> 6174
Ser Arg Leu Ser Leu Ser Arg Val Asn Cys Ser Gln Phe Leu Gly Leu
1 5 10 15

Cys Ala Leu Pro Gly Cys Lys Phe Lys Asp Val Arg Arg Asn Val Gln
20 25 30

Lys Asp Thr Glu Glu Leu Lys Ser Cys Gly Ile Gln Asp Ile Phe Val
35 40 45

Phe Cys Thr Arg Gly Glu Leu Ser Lys Tyr Arg Val Pro Asn Leu Leu
50 55 60

Asp Leu Tyr Gln Gln Cys Gly Ile Ile Thr His His His Pro Ile Ala
65 70 75 80

Asp Gly Gly Thr Pro Asp Ile Ala Ser Cys Cys Glu Ile Met Glu Glu
85 90 95

Leu Thr Thr Cys Leu Lys Asn Tyr Arg Lys Thr Leu Ile His Cys Tyr
100 105 110

Gly Gly Leu Gly Arg Ser Cys Leu Val Ala Ala Cys Leu Leu Leu Tyr
115 120 125

Leu Ser Asp Thr Ile Ser Pro Glu Gln Ala Ile Asp Ser Leu Arg Asp
130 135 140

Leu Arg Gly Ser Gly Ala Ile Gln Thr Ile Lys Gln Tyr Asn Tyr Leu
145 150 155 160

His Glu Phe Arg Asp Lys Leu Ala Ala His Leu Ser Ser Arg Asp Ser
165 170 175

Gln Ser Arg Ser Val Ser Arg
180

<210> 6175
<211> 594
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (148)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6175

```
Arg Arg Arg Ala Ala Val Glu Glu Lys Arg Arg Gln Arg Leu Glu Glu
  1               5                  10                  15

Asp Lys Glu Arg His Glu Ala Val Val Arg Arg Thr Met Glu Arg Ser
             20                  25                  30

Gln Lys Pro Lys Gln Lys His Asn Arg Trp Ser Trp Gly Gly Ser Leu
         35                  40                  45

His Gly Ser Pro Ser Ile His Ser Ala Ala Arg Arg Leu Gln Leu Ser
     50                  55                  60

Pro Trp Glu Ser Ser Val Val Asn Arg Leu Leu Thr Pro Thr His Ser
 65                  70                  75                  80

Phe Leu Ala Arg Ser Lys Ser Thr Ala Ala Leu Ser Gly Glu Ala Ala
                 85                  90                  95

Ser Cys Ser Pro Ile Ile Met Pro Tyr Lys Ala Ala His Ser Arg Asn
            100                 105                 110

Ser Met Asp Arg Pro Lys Leu Phe Val Thr Pro Pro Glu Gly Ser Ser
        115                 120                 125

Arg Arg Arg Ile Ile His Gly Thr Ala Ser Tyr Lys Lys Glu Arg Glu
    130                 135                 140

Arg Glu Asn Xaa Leu Phe Leu Thr Ser Gly Thr Arg Arg Ala Val Ser
145                 150                 155                 160

Pro Ser Asn Pro Lys Ala Arg Gln Pro Ala Arg Ser Arg Leu Trp Leu
                165                 170                 175

Pro Ser Lys Ser Leu Pro His Leu Pro Gly Thr Pro Arg Pro Thr Ser
            180                 185                 190

Ser Leu Pro Pro Gly Ser Val Lys Ala Ala Pro Ala Gln Val Arg Pro
        195                 200                 205

Pro Ser Pro Gly Asn Ile Arg Pro Val Lys Arg Glu Val Lys Val Glu
    210                 215                 220

Pro Glu Lys Lys Asp Pro Glu Lys Glu Pro Gln Lys Val Ala Asn Glu
225                 230                 235                 240
```

Pro Ser Leu Lys Gly Arg Ala Pro Leu Val Lys Val Glu Glu Ala Thr
245 250 255

Val Glu Glu Arg Thr Pro Ala Glu Pro Glu Val Gly Pro Ala Ala Pro
260 265 270

Ala Met Ala Pro Ala Pro Ala Ser Ala Pro Ala Pro Ala Ser Ala Pro
275 280 285

Ala Pro Ala Pro Val Pro Thr Pro Ala Met Val Ser Ala Pro Ser Ser
290 295 300

Thr Val Asn Ala Ser Ala Ser Val Lys Thr Ser Ala Gly Thr Thr Asp
305 310 315 320

Pro Glu Glu Ala Thr Arg Leu Leu Ala Glu Lys Arg Arg Leu Ala Arg
325 330 335

Glu Gln Arg Glu Lys Glu Glu Arg Glu Arg Arg Glu Gln Glu Glu Leu
340 345 350

Glu Arg Gln Lys Arg Glu Glu Leu Ala Gln Arg Val Ala Glu Glu Arg
355 360 365

Thr Thr Arg Arg Glu Glu Glu Ser Arg Arg Leu Glu Ala Glu Gln Ala
370 375 380

Arg Glu Lys Glu Glu Gln Leu Gln Arg Gln Ala Glu Glu Arg Ala Leu
385 390 395 400

Arg Glu Trp Glu Glu Ala Glu Arg Ala Gln Arg Gln Lys Glu Glu Glu
405 410 415

Ala Arg Val Arg Glu Glu Ala Glu Arg Val Arg Gln Glu Arg Glu Lys
420 425 430

His Phe Gln Arg Glu Glu Gln Glu Arg Leu Glu Arg Lys Lys Arg Leu
435 440 445

Glu Glu Ile Met Lys Arg Thr Arg Arg Thr Glu Ala Thr Asp Lys Lys
450 455 460

Thr Ser Asp Gln Arg Asn Gly Asp Ile Ala Lys Gly Ala Leu Thr Gly
465 470 475 480

Gly Thr Glu Val Ser Ala Leu Pro Cys Thr Thr Asn Ala Pro Gly Asn
485 490 495

Gly Lys Pro Val Gly Ser Pro His Val Val Thr Ser His Gln Ser Lys
500 505 510

BNSDOCID: <WO___0122920A2_I_>

```
Val Thr Val Glu Ser Thr Pro Asp Leu Glu Lys Gln Pro Asn Glu Asn
        515                 520                 525

Gly Val Ser Val Gln Asn Glu Asn Phe Glu Glu Ile Ile Asn Leu Pro
    530                 535                 540

Ile Gly Ser Lys Pro Ser Arg Leu Asp Val Thr Asn Ser Glu Ser Pro
545                 550                 555                 560

Glu Ile Pro Leu Asn Pro Ile Leu Ala Phe Asp Asp Glu Gly Thr Leu
                565                 570                 575

Gly Pro Leu Pro Gln Val Asp Gly Val Gln Thr Gln Gln Thr Ala Glu
            580                 585                 590

Val Ile
```

<210> 6176
<211> 293
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (270)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (280)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6176

```
Asn Thr Cys Glu Ser Asn His Gly Leu Gly Thr Thr Pro Pro Glu Asn
  1               5                  10                  15

Gly Leu Ser Glu His Pro Cys Glu Thr Glu Gln Ile Asn Ala Lys Arg
             20                  25                  30

Lys Asp Thr Thr Ser Asp Lys Asp Asp Ser Leu Gly Ser Gln Gln Thr
         35                  40                  45

Asn Glu Gln Cys Ala Gln Lys Ala Glu Pro Thr Glu Ser Cys Glu Gln
     50                  55                  60

Ile Ala Val Gln Val Asn Asn Gly Asp Ala Gly Arg Glu Met Pro Cys
 65                  70                  75                  80
```

```
Pro Leu Pro Cys Asp Glu Glu Ser Pro Glu Ala Glu Leu His Asn His
                 85                  90                  95

Gly Ile Gln Ile Asn Ser Cys Ser Val Arg Leu Val Asp Ile Lys Lys
            100                 105                 110

Glu Lys Pro Phe Ser Asn Ser Lys Val Glu Cys Gln Ala Gln Ala Arg
        115                 120                 125

Thr His His Asn Gln Ala Ser Asp Ile Ile Val Ile Ser Ser Glu Asp
    130                 135                 140

Ser Glu Gly Ser Thr Asp Val Asp Glu Pro Leu Glu Val Phe Ile Ser
145                 150                 155                 160

Ala Pro Arg Ser Glu Pro Val Ile Asn Asn Asp Asn Pro Leu Glu Ser
                165                 170                 175

Asn Asp Glu Lys Glu Gly Gln Glu Ala Thr Cys Ser Arg Pro Gln Ile
            180                 185                 190

Val Pro Glu Pro Met Asp Phe Arg Lys Leu Ser Thr Phe Arg Glu Ser
        195                 200                 205

Phe Lys Lys Arg Val Ile Gly Gln Asp His Asp Phe Ser Glu Ser Ser
    210                 215                 220

Glu Glu Glu Ala Pro Ala Glu Ala Ser Ser Gly Ala Leu Arg Ser Lys
225                 230                 235                 240

His Gly Glu Lys Ala Pro Met Thr Ser Arg Ser Thr Ser Thr Trp Arg
                245                 250                 255

Ile Pro Ser Arg Lys Arg Arg Phe Ser Ser Ser Asp Phe Xaa Asp Leu
            260                 265                 270

Ser Asn Lys Cys Leu Tyr Leu Xaa Gln Lys Leu His Ser Leu Phe Ile
        275                 280                 285

Leu Lys Asp Ile Thr
    290
```

<210> 6177
<211> 720
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (693)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6177

```
Asp Thr Gly Pro Thr Gly Ile Lys Tyr Asp Leu Asp Arg His Gln Tyr
  1               5                  10                  15

Asn Tyr Val Asp Ala Val Cys Tyr Glu Asn Arg Leu His Trp Phe Ala
             20                  25                  30

Lys Tyr Phe Pro Tyr Leu Val Leu Leu His Thr Leu Ile Phe Leu Ala
         35                  40                  45

Cys Ser Asn Phe Trp Phe Lys Phe Pro Arg Thr Ser Ser Lys Leu Glu
     50                  55                  60

His Phe Val Ser Ile Leu Leu Lys Cys Phe Asp Ser Pro Trp Thr Thr
 65                  70                  75                  80

Arg Ala Leu Ser Glu Thr Val Val Glu Glu Ser Asp Pro Lys Pro Ala
                 85                  90                  95

Phe Ser Lys Met Asn Gly Ser Met Asp Lys Lys Ser Ser Thr Val Ser
            100                 105                 110

Glu Asp Val Glu Ala Thr Val Pro Met Leu Gln Arg Thr Lys Ser Arg
        115                 120                 125

Ile Glu Gln Gly Ile Val Asp Arg Ser Glu Thr Gly Val Leu Asp Lys
    130                 135                 140

Lys Glu Gly Glu Gln Ala Lys Ala Leu Phe Glu Lys Val Lys Lys Phe
145                 150                 155                 160

Arg Thr His Val Glu Glu Gly Asp Ile Val Tyr Arg Leu Tyr Met Arg
                165                 170                 175

Gln Thr Ile Ile Lys Val Ile Lys Phe Ile Leu Ile Ile Cys Tyr Thr
            180                 185                 190

Val Tyr Tyr Val His Asn Ile Lys Phe Asp Val Asp Cys Thr Val Asp
        195                 200                 205

Ile Glu Ser Leu Thr Gly Tyr Arg Thr Tyr Arg Cys Ala His Pro Leu
    210                 215                 220

Ala Thr Leu Phe Lys Ile Leu Ala Ser Phe Tyr Ile Ser Leu Val Ile
225                 230                 235                 240

Phe Tyr Gly Leu Ile Cys Met Tyr Thr Leu Trp Trp Met Leu Arg Arg
                245                 250                 255
```

BNSDOCID: <WO_ _ 0122920A2 I >

Ser Leu Lys Lys Tyr Ser Phe Glu Ser Ile Arg Glu Glu Ser Ser Tyr
260 265 270

Ser Asp Ile Pro Asp Val Lys Asn Asp Phe Ala Phe Met Leu His Leu
275 280 285

Ile Asp Gln Tyr Asp Pro Leu Tyr Ser Lys Arg Phe Ala Val Phe Leu
290 295 300

Ser Glu Val Ser Glu Asn Lys Leu Arg Gln Leu Asn Leu Asn Asn Glu
305 310 315 320

Trp Thr Leu Asp Lys Leu Arg Gln Arg Leu Thr Lys Asn Ala Gln Asp
325 330 335

Lys Leu Glu Leu His Leu Phe Met Leu Ser Gly Ile Pro Asp Thr Val
340 345 350

Phe Asp Leu Val Glu Leu Glu Val Leu Lys Leu Glu Leu Ile Pro Asp
355 360 365

Val Thr Ile Pro Pro Ser Ile Ala Gln Leu Thr Gly Leu Lys Glu Leu
370 375 380

Trp Leu Tyr His Thr Ala Ala Lys Ile Glu Ala Pro Ala Leu Ala Phe
385 390 395 400

Leu Arg Glu Asn Leu Arg Ala Leu His Ile Lys Phe Thr Asp Ile Lys
405 410 415

Glu Ile Pro Leu Trp Ile Tyr Ser Leu Lys Thr Leu Glu Glu Leu His
420 425 430

Leu Thr Gly Asn Leu Ser Ala Glu Asn Asn Arg Tyr Ile Val Ile Asp
435 440 445

Gly Leu Arg Glu Leu Lys Arg Leu Lys Val Leu Arg Leu Lys Ser Asn
450 455 460

Leu Ser Lys Leu Pro Gln Val Val Thr Asp Val Gly Val His Leu Gln
465 470 475 480

Lys Leu Ser Ile Asn Asn Glu Gly Thr Lys Leu Ile Val Leu Asn Ser
485 490 495

Leu Lys Lys Met Ala Asn Leu Thr Glu Leu Glu Leu Ile Arg Cys Asp
500 505 510

Leu Glu Arg Ile Pro His Ser Ile Phe Ser Leu His Asn Leu Gln Glu
515 520 525

BNSDOCID: <WO___ 0122920A2 I_>

```
Ile Asp Leu Lys Asp Asn Asn Leu Lys Thr Ile Glu Glu Ile Ile Ser
    530                 535                 540

Phe Gln His Leu His Arg Leu Thr Cys Leu Lys Leu Trp Tyr Asn His
545                 550                 555                 560

Ile Ala Tyr Ile Pro Ile Gln Ile Gly Asn Leu Thr Asn Leu Glu Arg
                565                 570                 575

Leu Tyr Leu Asn Arg Asn Lys Ile Glu Lys Ile Pro Thr Gln Leu Phe
            580                 585                 590

Tyr Cys Arg Lys Leu Arg Tyr Leu Asp Leu Ser His Asn Asn Leu Thr
        595                 600                 605

Phe Leu Pro Ala Asp Ile Gly Leu Leu Gln Asn Leu Gln Asn Leu Ala
    610                 615                 620

Ile Thr Ala Asn Arg Ile Glu Thr Leu Pro Pro Glu Leu Phe Gln Cys
625                 630                 635                 640

Arg Lys Leu Arg Ala Leu His Leu Gly Asn Asn Val Leu Gln Ser Leu
                645                 650                 655

Pro Ser Arg Val Gly Glu Leu Thr Asn Leu Thr Gln Ile Glu Leu Arg
            660                 665                 670

Gly Asn Arg Leu Glu Cys Leu Pro Val Glu Leu Gly Glu Cys Pro Leu
        675                 680                 685

Leu Lys Arg Ser Xaa Leu Val Val Glu Glu Asp Leu Phe Asn Thr Leu
    690                 695                 700

Pro Pro Glu Val Lys Glu Arg Leu Trp Arg Ala Asp Lys Glu Gln Ala
705                 710                 715                 720
```

<210> 6178
<211> 27
<212> PRT
<213> Homo sapiens

<400> 6178

```
Val Ser Gly Asp Tyr Gly His Pro Val Tyr Ile Val Gln Asp Gly Pro
  1               5                  10                  15
```

```
Pro Gln Ser Pro Pro Asn Ile Tyr Tyr Lys Val
             20                  25
```

<210> 6179
<211> 154
<212> PRT
<213> Homo sapiens

<400> 6179

```
Asp Leu Cys Arg Leu Ser Cys Gly Arg Lys Met Pro Lys Val Lys Arg
  1               5                  10                  15

Ser Arg Lys Ala Pro Pro Asp Gly Trp Glu Leu Ile Glu Pro Thr Leu
             20                  25                  30

Asp Glu Leu Asp Gln Lys Met Arg Glu Ala Glu Thr Glu Pro His Glu
         35                  40                  45

Gly Lys Arg Lys Val Glu Ser Leu Trp Pro Ile Phe Arg Ile His His
     50                  55                  60

Gln Lys Thr Arg Tyr Ile Phe Asp Leu Phe Tyr Lys Arg Lys Ala Ile
 65                  70                  75                  80

Ser Arg Glu Leu Tyr Glu Tyr Cys Ile Lys Glu Gly Tyr Ala Asp Lys
                 85                  90                  95

Asn Leu Ile Ala Lys Trp Lys Lys Gln Gly Tyr Glu Asn Leu Cys Cys
            100                 105                 110

Leu Arg Cys Ile Gln Thr Arg Asp Thr Asn Phe Gly Thr Asn Cys Ile
        115                 120                 125

Cys Arg Val Pro Lys Ser Lys Leu Glu Val Gly Arg Ile Ile Glu Cys
    130                 135                 140

Thr His Cys Gly Cys Arg Gly Cys Ser Gly
145                 150
```

<210> 6180
<211> 442
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6180

```
Leu Glu Gln Glu Leu Gly Asp Gly Trp Gly His Ser Asp Leu His Lys
  1               5                  10                  15

Ala Leu Leu Cys Arg Xaa Pro Pro Leu Pro Glu Pro Asp Ala Met Ser
             20                  25                  30

Ser Lys Gly Ser Val Val Leu Ala Tyr Ser Gly Gly Leu Asp Thr Ser
         35                  40                  45

Cys Ile Leu Val Trp Leu Lys Glu Gln Gly Tyr Asp Val Ile Ala Tyr
     50                  55                  60

Leu Ala Asn Ile Gly Gln Lys Glu Asp Phe Glu Glu Ala Arg Lys Lys
 65                  70                  75                  80

Ala Leu Lys Leu Gly Ala Lys Lys Val Phe Ile Glu Asp Val Ser Arg
                 85                  90                  95

Glu Phe Val Glu Glu Phe Ile Trp Pro Ala Ile Gln Ser Ser Ala Leu
            100                 105                 110

Tyr Glu Asp Arg Tyr Leu Leu Gly Thr Ser Leu Ala Arg Pro Cys Ile
        115                 120                 125

Ala Arg Lys Gln Val Glu Ile Ala Gln Arg Glu Gly Ala Lys Tyr Val
    130                 135                 140

Ser His Gly Ala Thr Gly Lys Gly Asn Asp Gln Val Arg Phe Glu Leu
145                 150                 155                 160

Ser Cys Tyr Ser Leu Ala Pro Gln Ile Lys Val Ile Ala Pro Trp Arg
                165                 170                 175

Met Pro Glu Phe Tyr Asn Arg Phe Lys Gly Arg Asn Asp Leu Met Glu
            180                 185                 190

Tyr Ala Lys Gln His Gly Ile Pro Ile Pro Val Thr Pro Lys Asn Pro
        195                 200                 205

Trp Ser Met Asp Glu Asn Leu Met His Ile Ser Tyr Glu Ala Gly Ile
    210                 215                 220

Leu Glu Asn Pro Lys Asn Gln Ala Pro Pro Gly Leu Tyr Thr Lys Thr
225                 230                 235                 240

Gln Asp Pro Ala Lys Ala Pro Asn Thr Pro Asp Ile Leu Glu Ile Glu
                245                 250                 255
```

```
Phe Lys Lys Gly Val Pro Val Lys Val Thr Asn Val Lys Asp Gly Thr
            260                 265                 270

Thr His Gln Thr Ser Leu Glu Leu Phe Met Tyr Leu Asn Glu Val Ala
        275                 280                 285

Gly Lys His Gly Val Gly Arg Ile Asp Ile Val Glu Asn Arg Phe Ile
    290                 295                 300

Gly Met Lys Ser Arg Gly Ile Tyr Glu Thr Pro Ala Gly Thr Ile Leu
305                 310                 315                 320

Tyr His Ala His Leu Asp Ile Glu Ala Phe Thr Met Asp Arg Glu Val
                325                 330                 335

Arg Lys Ile Lys Gln Gly Leu Gly Leu Lys Phe Ala Glu Leu Val Tyr
            340                 345                 350

Thr Gly Phe Trp His Ser Pro Glu Cys Glu Phe Val Arg His Cys Ile
        355                 360                 365

Ala Lys Ser Gln Glu Arg Val Glu Gly Lys Val Gln Val Ser Val Leu
    370                 375                 380

Lys Gly Gln Val Tyr Ile Leu Gly Arg Glu Ser Pro Leu Ser Leu Tyr
385                 390                 395                 400

Asn Glu Glu Leu Val Ser Met Asn Val Gln Gly Asp Tyr Glu Pro Thr
                405                 410                 415

Asp Ala Thr Gly Phe Ile Asn Ile Asn Ser Leu Arg Leu Lys Glu Tyr
            420                 425                 430

His Arg Leu Gln Ser Lys Val Thr Ala Lys
        435                 440
```

<210> 6181
<211> 155
<212> PRT
<213> Homo sapiens

<400> 6181

```
Asp Ser Tyr Phe Asp Arg Ile Cys Ser His Ser Ser Cys Lys Leu Gln
  1               5                  10                  15

Met Tyr Lys Leu His Leu Tyr Phe Tyr Arg Val Val Met Phe Tyr Met
             20                  25                  30

Cys Met Val Gln Glu Lys Ile Gly Ser Asn Gln Ser Ala Val Asp Val
```

BNSDOCID: <WO__ 0122920A2 I >

```
          35                  40                  45

Pro Lys Cys Lys His Arg His Thr His Ala His Thr His Lys His Thr
      50                  55                  60

His Ser Ala Leu Arg Lys Gly Gln Val Ile Ser His Pro Asn Phe Thr
 65                  70                  75                  80

Ser Thr Asp Pro Leu Ala Pro Thr Pro Ala Ser Thr Val Thr Ser Lys
                 85                  90                  95

Ala Arg Ala Thr Cys Ala His Gln Thr Cys Ile Lys Gln Leu Ala Gly
            100                 105                 110

Asp Gly Cys Gly Ala Gly Gly Leu Ser Asp Gly Ser Leu Leu Leu Pro
        115                 120                 125

Leu Leu Arg Val Lys Leu Leu Ser Phe Leu Arg Val Tyr Leu Cys Gln
    130                 135                 140

Val Cys Ala Phe Asn Cys Phe Tyr Phe Val Phe
145                 150                 155
```

<210> 6182
<211> 401
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (309)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (311)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (377)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6182

```
Asn Ile Lys Lys Arg Asp Glu Glu Leu Thr Glu Lys Met Lys Lys Ala
  1               5                  10                  15

Glu Glu Glu Tyr Lys Leu Glu Lys Glu Glu Glu Ile Ser Asn Leu Lys
            20                  25                  30
```

BNSDOCID: <WO__0122920A2 I_>

Ala Ala Phe Glu Lys Asn Ile Asn Thr Glu Arg Thr Leu Lys Thr Gln
35 40 45

Ala Val Asn Lys Leu Ala Glu Ile Met Asn Arg Lys Asp Phe Lys Ile
50 55 60

Asp Arg Lys Lys Ala Asn Thr Gln Asp Leu Arg Lys Lys Glu Lys Glu
65 70 75 80

Asn Arg Lys Leu Gln Leu Glu Leu Asn Gln Glu Arg Glu Lys Phe Asn
85 90 95

Gln Met Val Val Lys His Gln Lys Glu Leu Asn Asp Met Gln Ala Gln
100 105 110

Leu Val Glu Glu Cys Ala His Arg Asn Glu Leu Gln Met Gln Leu Ala
115 120 125

Ser Lys Glu Ser Asp Ile Glu Gln Leu Arg Ala Lys Leu Leu Asp Leu
130 135 140

Ser Asp Ser Thr Ser Val Ala Ser Phe Pro Ser Ala Asp Glu Thr Asp
145 150 155 160

Gly Asn Leu Pro Glu Ser Arg Ile Glu Gly Trp Leu Ser Val Pro Asn
165 170 175

Arg Gly Asn Ile Lys Arg Tyr Gly Trp Lys Lys Gln Tyr Val Val Val
180 185 190

Ser Ser Lys Lys Ile Leu Phe Tyr Asn Asp Glu Gln Asp Lys Glu Gln
195 200 205

Ser Asn Pro Ser Met Val Leu Asp Ile Asp Lys Leu Phe His Val Arg
210 215 220

Pro Val Thr Gln Gly Asp Val Tyr Arg Ala Glu Thr Glu Glu Ile Pro
225 230 235 240

Lys Ile Phe Gln Ile Leu Tyr Ala Asn Glu Gly Glu Cys Arg Lys Asp
245 250 255

Val Glu Met Glu Pro Val Gln Gln Ala Glu Lys Thr Asn Phe Gln Asn
260 265 270

His Lys Gly His Glu Phe Ile Pro Thr Leu Tyr His Phe Pro Ala Asn
275 280 285

Cys Asp Ala Cys Ala Lys Pro Leu Trp His Val Phe Lys Pro Pro Pro
290 295 300

```
Ala Leu Glu Cys Xaa Arg Xaa His Val Lys Cys His Arg Asp His Leu
305                 310                 315                 320

Asp Lys Lys Glu Asp Leu Ile Cys Pro Cys Lys Val Ser Tyr Asp Val
                325                 330                 335

Thr Ser Ala Arg Asp Met Leu Leu Leu Ala Cys Ser Gln Asp Glu Gln
            340                 345                 350

Lys Lys Trp Val Thr His Leu Val Lys Lys Ile Pro Lys Asn Pro Pro
        355                 360                 365

Ser Gly Phe Val Arg Ala Ser Pro Xaa Thr Leu Ser Thr Arg Ser Thr
    370                 375                 380

Ala Asn Gln Ser Phe Arg Lys Val Val Lys Asn Thr Ser Gly Lys Thr
385                 390                 395                 400

Ser
```

<210> 6183
<211> 337
<212> PRT
<213> Homo sapiens

<400> 6183

```
Gln Ser Arg Ser Asp Ser Arg Val Asp Pro Arg Val Arg Gly Pro Pro
  1               5                  10                  15

Gly Pro Val Gly Pro Ser Gly Lys Glu Gly Asn Pro Gly Pro Leu Gly
            20                  25                  30

Pro Ile Gly Pro Pro Gly Val Arg Gly Ser Val Gly Glu Ala Gly Pro
        35                  40                  45

Glu Gly Pro Pro Gly Glu Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro
    50                  55                  60

Gly His Leu Thr Ala Ala Leu Gly Asp Ile Met Gly His Tyr Asp Glu
65                  70                  75                  80

Ser Met Pro Asp Pro Leu Pro Glu Phe Thr Glu Asp Gln Ala Ala Pro
                85                  90                  95

Asp Asp Lys Asn Lys Thr Asp Pro Gly Val His Ala Thr Leu Lys Ser
            100                 105                 110
```

BNSDOCID: <WO_ 0122920A2 I >

5400

```
Leu Ser Ser Gln Ile Glu Thr Met Arg Ser Pro Asp Gly Ser Lys Lys
        115                 120                 125

His Pro Ala Arg Thr Cys Asp Asp Leu Lys Leu Cys His Ser Ala Lys
    130                 135                 140

Gln Ser Gly Glu Tyr Trp Ile Asp Pro Asn Gln Gly Ser Val Glu Asp
145                 150                 155                 160

Ala Ile Lys Val Tyr Cys Asn Met Glu Thr Gly Glu Thr Cys Ile Ser
                165                 170                 175

Ala Asn Pro Ser Ser Val Pro Arg Lys Thr Trp Trp Ala Ser Lys Ser
            180                 185                 190

Pro Asp Asn Lys Pro Val Trp Tyr Gly Leu Asp Met Asn Arg Gly Ser
        195                 200                 205

Gln Phe Ala Tyr Gly Asp His Gln Ser Pro Asn Thr Ala Ile Thr Gln
    210                 215                 220

Met Thr Phe Leu Arg Leu Leu Ser Lys Glu Ala Ser Gln Asn Ile Thr
225                 230                 235                 240

Tyr Ile Cys Lys Asn Ser Val Gly Tyr Met Asp Asp Gln Ala Lys Asn
                245                 250                 255

Leu Lys Lys Ala Val Val Leu Lys Gly Ala Asn Asp Leu Asp Ile Lys
            260                 265                 270

Ala Glu Gly Asn Ile Arg Phe Arg Tyr Ile Val Leu Gln Asp Thr Cys
        275                 280                 285

Ser Lys Arg Asn Gly Asn Val Gly Lys Thr Val Phe Glu Tyr Arg Thr
    290                 295                 300

Gln Asn Val Ala Arg Leu Pro Ile Ile Asp Leu Ala Pro Val Asp Val
305                 310                 315                 320

Gly Gly Thr Asp Gln Glu Phe Gly Val Glu Ile Gly Pro Val Cys Phe
                325                 330                 335

Val
```

<210> 6184
<211> 104
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2_I_>

<400> 6184
Leu His Cys Phe Tyr Ser Gly Leu Gly Phe Arg Lys Thr Gly Thr Val
1 5 10 15

Leu Ser Val His Arg Asn Thr Cys Gln Cys Gln Gly Phe Gln Ser Gly
20 25 30

Val Tyr Pro Asn Trp Ser Gly Arg Glu Gly Gln Thr His Ser Gln Arg
35 40 45

Pro Pro Cys Pro Arg Ser Asp Ser Ser Pro Leu Ala Ala Pro Thr Gly
50 55 60

Ala Leu Gly Trp Ser Gly Ser Trp Gly Ser Val Pro Leu Ile Ala Gly
65 70 75 80

Leu Cys Ser Pro Gly Phe Gly Ile Tyr Val Gly Thr Thr Pro Gly Leu
85 90 95

Leu Ser Lys Gly Leu Trp Leu Leu
100

<210> 6185
<211> 74
<212> PRT
<213> Homo sapiens

<400> 6185
Gly Leu Thr Trp Ala Phe Arg Tyr Arg Pro Ala Gly Ile Ile Val Met
1 5 10 15

Ala Leu Leu Gly Met Phe Asn Val His Arg His Gly Ala Ile Asn Ser
20 25 30

Ala Ala Ile Leu Leu Tyr Ala Leu Thr Cys Cys Ile Ser Gly Tyr Val
35 40 45

Ser Ser His Phe Tyr Arg Gln Ile Gly Gly Glu Arg Trp Val Trp Glu
50 55 60

His His Ser His His Gln Ser Leu Leu Trp
65 70

<210> 6186
<211> 134
<212> PRT

<213> Homo sapiens

<400> 6186

```
Thr Leu Leu Glu Ala Leu Thr Val Ala Val Val Val Thr Phe Tyr Asp
  1               5                  10                  15

Val Tyr Ile Ile Leu Gln Ala Phe Ile Leu Thr Thr Thr Val Phe Phe
             20                  25                  30

Gly Leu Thr Val Tyr Thr Leu Gln Ser Lys Lys Asp Phe Ser Lys Phe
         35                  40                  45

Gly Ala Gly Leu Phe Ala Leu Leu Trp Ile Leu Cys Leu Ser Gly Phe
     50                  55                  60

Leu Lys Phe Phe Phe Tyr Ser Glu Ile Met Glu Leu Val Leu Ala Ala
 65                  70                  75                  80

Ala Gly Ala Leu Leu Phe Cys Gly Phe Ile Ile Tyr Asp Thr His Ser
                 85                  90                  95

Leu Met His Lys Leu Ser Pro Glu Glu Tyr Val Leu Ala Ala Ile Ser
            100                 105                 110

Leu Tyr Leu Asp Ile Ile Asn Leu Phe Leu His Leu Leu Arg Phe Leu
        115                 120                 125

Glu Ala Val Asn Lys Lys
    130
```

<210> 6187
<211> 220
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6187

```
Asp Tyr Ala Xaa Thr Pro Gln Gly Leu Cys Tyr Asp Val Ala Cys Thr
  1               5                  10                  15

Arg Lys Leu Gly Pro Leu Glu Gly Ser Ser Arg Ala Ala Ala Ala Ala
             20                  25                  30

Phe Gly Glu Ser Ala Gly Gln Met Ser Asn Glu Arg Gly Phe Glu Asn
         35                  40                  45
```

```
Val Glu Leu Gly Val Ile Gly Lys Lys Lys Lys Val Pro Arg Arg Val
     50                  55                  60

Ile His Phe Val Ser Gly Glu Thr Met Glu Glu Tyr Ser Thr Asp Glu
 65                  70                  75                  80

Asp Glu Val Asp Gly Leu Glu Lys Lys Asp Val Leu Pro Thr Val Asp
                 85                  90                  95

Pro Thr Lys Leu Thr Trp Gly Pro Tyr Leu Trp Phe Tyr Met Leu Arg
            100                 105                 110

Ala Ala Thr Ser Thr Leu Ser Val Cys Asp Phe Leu Gly Glu Lys Ile
        115                 120                 125

Ala Ser Val Leu Gly Ile Ser Thr Pro Lys Tyr Gln Tyr Ala Ile Asp
    130                 135                 140

Glu Tyr Tyr Arg Met Lys Lys Glu Glu Glu Glu Glu Glu Glu Glu Asn
145                 150                 155                 160

Arg Met Ser Glu Glu Ala Glu Lys Gln Tyr Gln Gln Asn Lys Leu Gln
                165                 170                 175

Thr Asp Ser Ile Val Gln Thr Asp Gln Pro Glu Thr Val Ile Ser Ser
            180                 185                 190

Ser Phe Val Asn Val Asn Phe Glu Met Glu Gly Asp Ser Glu Val Ile
        195                 200                 205

Met Glu Ser Lys Gln Asn Pro Val Ser Val Pro Pro
    210                 215                 220
```

<210> 6188
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_0122920A2 I >

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6188
Glu Arg Cys Gly Xaa Xaa Arg Glu Ala Gln Glu Gly Asp Leu Gln Gly
1 5 10 15

Gln Glu Gly Ala Glu Ala Ser His Ala Gly Gly Pro Ala Ala Asp His
20 25 30

Tyr Ser Gly Xaa Ala His Xaa Gly Arg Gly Arg Ala Leu Asp Arg Gly
35 40 45

Val Cys Val Arg Gly His Ala Pro His His His Arg Val Ser Pro Ala
50 55 60

Xaa Gly Arg Gly Pro His Arg Gln Gly Glu Glu Cys Ser Gly Gly Gly
65 70 75 80

Arg Lys Gln Lys Met Ala Phe Ile Phe Arg Asp Val His Val Ala Glu
85 90 95

Leu Leu Ser Xaa Xaa His Xaa
100

<210> 6189
<211> 166
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6189
Lys Phe Trp Leu Gln Lys Xaa His Phe Leu Cys Ala Asn Lys Asn Val
1 5 10 15

Cys Ile Lys Tyr Asp Val Pro Pro Thr Trp Thr His Ser Val Pro His
20 25 30

Lys Ala Lys Pro Thr Ala Ala Ala Thr Ser Leu Gly Leu Arg Cys Ser
35 40 45

Arg Cys Phe Phe Gln Asp Arg Asn Gln Asn Val Arg Asn Thr Ala Glu
50 55 60

Arg Gly His Leu Glu Thr Lys Arg Arg Met Arg Ser Ser Ala Glu Val
65 70 75 80

Thr Gly Lys Ser Gln Asn Ser Asn Thr Leu Ala Gly Ala Trp Gly Val
85 90 95

Lys Asn Arg Arg Arg Glu Glu Ala Phe Pro Ser Leu Gln Arg Arg Asn
100 105 110

Gln Gly Gln Pro Lys Leu Pro Gly Ser Gln Asn Gln Phe Phe Tyr Gln
115 120 125

Ala Val Pro Leu Leu Ser Phe Gln Leu Leu Ala Thr Gly Arg Cys Cys
130 135 140

Ser Lys Gly Phe Ala Leu Arg Leu Gln Glu Glu Ala Ala Gly Arg Thr
145 150 155 160

Ala Gly Val Leu Gly Phe
165

<210> 6190
<211> 90

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6190
Ser Leu Gln Val Glu Lys Pro Leu Tyr Pro Phe Asn Pro Leu Trp Pro
1 5 10 15

Ser Phe Pro Xaa Xaa Val Asp Ala Thr Arg Glu Thr Asn Arg Leu Gly
20 25 30

Arg Leu Ile Asn His Ser Lys Cys Gly Asn Cys Gln Thr Lys Leu His
35 40 45

Asp Ile Asp Gly Val Pro His Leu Ile Leu Ile Ala Ser Arg Asp Ile
50 55 60

Ala Ala Gly Glu Glu Leu Leu Tyr Asp Tyr Gly Asp Arg Ser Lys Ala
65 70 75 80

Ser Ile Glu Ala His Pro Trp Leu Lys His
85 90

<210> 6191
<211> 162
<212> PRT
<213> Homo sapiens

<400> 6191
Tyr Lys Met Thr Glu Pro Gly Ala Ser Pro Glu Asp Pro Trp Val Lys
1 5 10 15

Val Glu Tyr Ala Tyr Ser Asp Asn Ser Leu Asp Pro Gly Leu Phe Val
20 25 30

Glu Ser Thr Arg Lys Gly Ser Val Val Ser Arg Ala Asn Ser Ile Gly
35 40 45

Ser Thr Ser Ala Ser Ser Val Pro Asn Thr Asp Asp Glu Asp Ser Asp
50 55 60

```
Tyr His Gln Glu Ala Tyr Lys Glu Ser Tyr Lys Asp Arg Arg Arg Arg
 65                  70                  75                  80

Ala His Thr Gln Ala Glu Gln Lys Arg Arg Asp Ala Ile Lys Arg Gly
                 85                  90                  95

Tyr Asp Asp Leu Gln Thr Ile Val Pro Thr Cys Gln Gln Gln Asp Phe
            100                 105                 110

Ser Ile Gly Ser Gln Lys Leu Ser Lys Ala Ile Val Leu Gln Lys Thr
        115                 120                 125

Ile Asp Tyr Ile Gln Phe Leu His Lys Glu Lys Lys Lys Gln Glu Glu
    130                 135                 140

Glu Val Ser Arg Tyr Ala Arg Met Tyr Arg Pro Lys Asp His Glu Ser
145                 150                 155                 160

Glu Leu
```

<210> 6192
<211> 350
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (148)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6192

```
Gly Thr Ser Gly Cys Trp Leu Leu Leu Val Leu Val Leu Val Leu Leu
  1               5                  10                  15

Val Ser Pro Arg Gly Cys Arg Ala Arg Arg Gly Leu Arg Gly Leu Leu
             20                  25                  30

Met Ala His Ser Gln Arg Leu Leu Phe Arg Ile Gly Tyr Ser Leu Tyr
         35                  40                  45

Thr Arg Thr Trp Leu Gly Tyr Leu Phe Tyr Arg Gln Gln Leu Arg Arg
     50                  55                  60

Ala Arg Asn Arg Tyr Pro Lys Gly His Ser Lys Thr Gln Pro Arg Leu
 65                  70                  75                  80

Phe Asn Gly Val Lys Val Leu Pro Ile Pro Val Leu Ser Asp Asn Tyr
                 85                  90                  95

Ser Tyr Leu Ile Ile Asp Thr Gln Ala Gln Leu Ala Val Ala Val Asp
            100                 105                 110

Pro Ser Asp Pro Arg Ala Val Gln Ala Ser Ile Glu Lys Xaa Gly Val
        115                 120                 125

Thr Leu Val Ala Ile Leu Xaa Thr His Lys His Trp Xaa His Xaa Gly
    130                 135                 140

Xaa Asn Arg Xaa Leu Xaa Arg Gly His Arg Asp Cys Arg Val Tyr Gly
145                 150                 155                 160

Ser Pro Gln Asp Gly Ile Pro Tyr Leu Thr His Pro Leu Cys His Gln
                165                 170                 175

Asp Val Val Ser Val Gly Arg Leu Gln Ile Arg Ala Leu Ala Thr Pro
            180                 185                 190

Gly His Thr Gln Gly His Leu Val Tyr Leu Leu Asp Gly Glu Pro Tyr
```

BNSDOCID: <WO _ 0122920A2 I >

195 200 205

Lys Gly Pro Ser Cys Leu Phe Ser Gly Asp Leu Leu Phe Leu Ser Gly
210 215 220

Cys Gly Arg Thr Phe Glu Gly Asn Ala Glu Thr Met Leu Ser Ser Leu
225 230 235 240

Asp Thr Val Leu Gly Leu Gly Asp Asp Thr Leu Leu Trp Pro Gly His
245 250 255

Glu Tyr Ala Glu Glu Asn Leu Gly Phe Ala Gly Val Val Glu Pro Glu
260 265 270

Asn Leu Ala Arg Glu Arg Lys Met Gln Trp Val Gln Arg Gln Arg Leu
275 280 285

Glu Arg Lys Gly Thr Cys Pro Ser Thr Leu Gly Glu Glu Arg Ser Tyr
290 295 300

Asn Pro Phe Leu Arg Thr His Cys Leu Ala Leu Gln Glu Ala Leu Gly
305 310 315 320

Pro Gly Pro Gly Pro Thr Gly Asp Asp Asp Tyr Ser Arg Ala Gln Leu
325 330 335

Leu Glu Glu Leu Arg Arg Leu Lys Asp Met His Lys Ser Lys
340 345 350

<210> 6193
<211> 200
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6193
Ile Ser Tyr Ser Arg Trp Lys Thr Leu His Thr Val Leu Pro Gln Xaa
1 5 10 15

Ile Arg Xaa Leu Leu Phe Cys Leu Leu Gln Lys Asp Pro Cys Pro Val

BNSDOCID: <WO_ 0122920A2 I >

```
            20                  25                  30

Ala Glu Arg Gly Asn Asp Lys Asp Phe Thr Leu Asn Asp Phe Gly Phe
        35                  40                  45

Met Ile Phe His Ser Pro Tyr Cys Lys Leu Val Gln Lys Ser Leu Ala
    50                  55                  60

Arg Met Leu Leu Asn Asp Phe Leu Asn Asp Gln Asn Arg Asp Lys Asn
65                  70                  75                  80

Ser Ile Tyr Ser Gly Leu Glu Ala Phe Gly Asp Val Lys Leu Glu Asp
                85                  90                  95

Thr Tyr Phe Asp Arg Asp Val Glu Lys Ala Phe Met Lys Ala Ser Ser
            100                 105                 110

Glu Leu Phe Ser Gln Lys Thr Lys Ala Ser Leu Leu Val Ser Asn Gln
        115                 120                 125

Asn Gly Asn Met Tyr Thr Ser Ser Val Tyr Gly Ser Leu Ala Ser Val
    130                 135                 140

Leu Ala Gln Tyr Ser Pro Gln Gln Leu Ala Gly Lys Arg Ile Gly Val
145                 150                 155                 160

Phe Ser Tyr Gly Ser Gly Leu Ala Ala Thr Leu Tyr Ser Leu Lys Val
                165                 170                 175

Thr Gln Asp Ala Thr Pro Gly Ser Ala Leu Asp Lys Ile Thr Ala Ser
            180                 185                 190

Leu Cys Asp Leu Lys Ser Lys Ala
        195                 200
```

<210> 6194
<211> 113
<212> PRT
<213> Homo sapiens

<400> 6194

```
Glu Glu Leu Arg Glu Ser Ala Ala Ala Gly Ser Ala Asp Ala Met Asp
  1               5                  10                  15

Asn Val Gln Pro Lys Ile Lys His Arg Pro Phe Cys Phe Ser Val Lys
            20                  25                  30

Gly His Val Lys Met Leu Arg Leu Asp Ile Ile Asn Ser Leu Val Thr
        35                  40                  45
```

Thr Val Phe Met Leu Ile Val Ser Val Leu Ala Leu Ile Pro Glu Thr
50 55 60

Thr Thr Leu Thr Val Gly Gly Gly Val Phe Ala Leu Val Thr Ala Val
65 70 75 80

Cys Cys Leu Ala Asp Gly Ala Leu Ile Tyr Arg Lys Leu Leu Phe Asn
85 90 95

Pro Ser Gly Pro Tyr Gln Lys Lys Pro Val His Glu Lys Lys Glu Val
100 105 110

Leu

<210> 6195
<211> 480
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (196)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (392)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6195
Ser Asp Lys Trp Pro Thr Ala Val Arg Ala Asn Gly His Leu Leu Leu
1 5 10 15

Asn Ser Glu Lys Met Ser Lys Ser Thr Gly Asn Phe Leu Thr Leu Thr
20 25 30

Gln Ala Ile Asp Lys Phe Ser Ala Asp Gly Met Arg Leu Ala Leu Ala
35 40 45

Asp Ala Gly Asp Thr Val Glu Asp Ala Asn Phe Val Glu Ala Met Ala
50 55 60

Asp Ala Gly Ile Leu Arg Leu Tyr Thr Trp Val Glu Trp Val Lys Glu
65 70 75 80

Met Val Ala Asn Trp Asp Ser Leu Arg Ser Gly Pro Ala Ser Thr Phe
85 90 95

BNSDOCID: <WO 0122920A2 I >

```
Asn Asp Arg Val Phe Ala Ser Glu Leu Asn Ala Gly Ile Ile Lys Thr
            100                 105                 110

Asp Gln Asn Tyr Glu Lys Met Met Phe Lys Glu Ala Leu Lys Thr Gly
        115                 120                 125

Phe Phe Glu Phe Gln Ala Ala Lys Asp Lys Tyr Arg Glu Leu Ala Val
    130                 135                 140

Glu Gly Met His Arg Glu Leu Val Phe Arg Phe Ile Glu Val Gln Thr
145                 150                 155                 160

Leu Leu Leu Ala Pro Phe Cys Pro His Leu Cys Glu His Ile Trp Thr
                165                 170                 175

Leu Leu Gly Lys Pro Asp Ser Ile Met Asn Ala Ser Trp Pro Val Ala
            180                 185                 190

Gly Pro Val Xaa Glu Val Leu Ile His Ser Ser Gln Tyr Leu Met Glu
        195                 200                 205

Val Thr His Asp Leu Arg Leu Arg Leu Lys Asn Tyr Met Met Pro Ala
    210                 215                 220

Lys Gly Lys Lys Thr Asp Lys Gln Pro Leu Gln Lys Pro Ser His Cys
225                 230                 235                 240

Thr Ile Tyr Val Ala Lys Asn Tyr Pro Pro Trp Gln His Thr Thr Leu
                245                 250                 255

Ser Val Leu Arg Lys His Phe Glu Ala Asn Asn Gly Lys Leu Pro Asp
            260                 265                 270

Asn Lys Val Ile Ala Ser Glu Leu Gly Ser Met Pro Glu Leu Lys Lys
        275                 280                 285

Tyr Met Lys Lys Val Met Pro Phe Val Ala Met Ile Lys Glu Asn Leu
    290                 295                 300

Glu Lys Met Gly Pro Arg Ile Leu Asp Leu Gln Leu Glu Phe Asp Glu
305                 310                 315                 320

Lys Ala Val Leu Met Glu Asn Ile Val Tyr Leu Thr Asn Ser Leu Glu
                325                 330                 335

Leu Glu His Ile Glu Val Lys Phe Ala Ser Glu Ala Glu Asp Lys Ile
            340                 345                 350

Arg Glu Asp Cys Cys Pro Gly Lys Pro Leu Asn Val Phe Arg Ile Glu
        355                 360                 365
```

```
Pro Gly Val Ser Val Ser Leu Val Asn Pro Gln Pro Ser Asn Gly His
    370                 375                 380

Phe Ser Thr Lys Ile Glu Ile Xaa Gln Gly Asp Asn Cys Asp Ser Ile
385                 390                 395                 400

Ile Arg Arg Leu Met Lys Met Asn Arg Gly Ile Lys Asp Leu Ser Lys
                405                 410                 415

Val Lys Leu Met Arg Phe Asp Asp Pro Leu Leu Gly Pro Arg Arg Val
            420                 425                 430

Pro Val Leu Gly Lys Glu Tyr Thr Glu Lys Thr Pro Ile Ser Glu His
        435                 440                 445

Ala Val Phe Asn Val Asp Leu Met Ser Lys Lys Ile His Leu Thr Glu
    450                 455                 460

Asn Gly Ile Arg Val Asp Ile Gly Asp Thr Ile Ile Tyr Leu Val His
465                 470                 475                 480
```

<210> 6196
<211> 110
<212> PRT
<213> Homo sapiens

<400> 6196

```
Met Lys Thr Arg Thr Ile Ser Phe Ala Arg Ile Pro Asn Leu Ala Arg
  1               5                  10                  15

Pro Ala Ala Pro Ser Leu Arg Pro Asp Asp Val Phe Ile Ala Val Lys
            20                  25                  30

Thr Thr Arg Lys Asn His Gly Pro Arg Leu Arg Leu Leu Leu Arg Thr
        35                  40                  45

Trp Ile Ser Arg Ala Arg Gln Gln Thr Phe Ile Phe Thr Asp Gly Asp
    50                  55                  60

Asp Pro Glu Leu Glu Leu Gln Gly Gly Asp Arg Val Ile Asn Thr Asn
65                  70                  75                  80

Cys Ser Ala Val Arg Thr Arg Gln Ala Leu Cys Cys Lys Met Ser Val
                85                  90                  95
```

BNSDOCID: <WO 0122920A2_I >

```
Glu Tyr Asp Lys Phe Ile Glu Ser Gly Arg Lys Trp Phe Cys
            100                 105                 110



<210> 6197
<211> 74
<212> PRT
<213> Homo sapiens

<400> 6197
Trp Leu Asn Ala Ala Lys Met Arg Ile Lys Gly Met Lys Trp Phe Asn
  1               5                  10                  15

Thr Leu Ser His Asn Arg Trp Leu Glu Gln Glu Thr Asp Arg Ile Phe
             20                  25                  30

Asp Phe Gly Lys Asn Ser Val Val Pro Thr Gly Phe Gly Trp Leu Gly
         35                  40                  45

Asn Lys Gly Gln Ile Lys Glu Glu Met Gly Thr His Leu Trp Ile Thr
     50                  55                  60

Ala Arg Met Leu His Val Tyr Ser Val Ala
 65                  70



<210> 6198
<211> 251
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6198
Leu Leu Pro Ala Gly Arg Lys Ala Arg Leu Ser Glu Ala Pro Gly Gly
  1               5                  10                  15

Lys Lys Ser Leu Ser Met Leu His Tyr Ile Arg Gly Ala Ala Pro Lys
             20                  25                  30

Asp Ile Pro Val Pro Leu Ser His Ser Thr Asn Gly Lys Ser Lys Pro
         35                  40                  45

Trp Glu Pro Phe Val Ala Glu Glu Phe Ala His Xaa Phe His Glu Ser
     50                  55                  60
```

```
Val Leu Gln Ser Thr Gln Lys Ala Leu Gln Lys His Lys Gly Ser Val
 65                  70                  75                  80

Ala Val Leu Ser Ala Glu Gln Asn His Lys Val Asp Thr Ser Val His
                 85                  90                  95

Tyr Asn Ile Pro Glu Leu Gln Ser Ser Ser Arg Ala Pro Pro Pro Gln
            100                 105                 110

His Asn Gly Gln Gln Glu Pro Pro Thr Ala Arg Lys Gly Pro Pro Thr
        115                 120                 125

Gln Glu Leu Asp Arg Asp Ser Glu Glu Glu Glu Glu Glu Asp Asp Glu
    130                 135                 140

Asp Gly Glu Asp Glu Glu Glu Val Pro Lys Arg Lys Trp Gln Gly Ile
145                 150                 155                 160

Glu Ala Val Phe Glu Ala Tyr Gln Glu His Ile Glu Glu Gln Asn Leu
                165                 170                 175

Glu Arg Gln Val Leu Gln Thr Gln Cys Arg Arg Leu Glu Ala Arg His
            180                 185                 190

Tyr Ser Leu Ser Leu Thr Ala Glu Gln Leu Ser His Ser Val Ala Glu
        195                 200                 205

Leu Arg Ser Gln Lys Gln Lys Met Val Ser Glu Arg Glu Arg Leu Gln
    210                 215                 220

Ala Glu Leu Asp His Leu Arg Lys Cys Leu Ala Leu Pro Ala Met His
225                 230                 235                 240

Trp Pro Arg Gly Tyr Leu Lys Gly Tyr Pro Arg
                245                 250
```

<210> 6199
<211> 115
<212> PRT
<213> Homo sapiens

<400> 6199

```
Glu Arg Val Ser Val Gly Gly Leu Val Gly Glu Val Ala Cys Ala Cys
  1               5                  10                  15

Arg Asp Cys Ile Pro Glu Thr Met Ala Glu Gly Asp Asn Arg Ser Thr
             20                  25                  30

Asn Leu Leu Ala Ala Glu Thr Ala Ser Leu Glu Glu Lys Pro Lys Met
```

BNSDOCID: <WO_ 0122920A2 I >

35 40 45

Tyr Phe Met Thr Met Ile Val Ser Leu Ala Ala Val Ala Trp Val Gly
50 55 60

Gln Gln Val His Asn Leu Leu Leu Thr Tyr Leu Ile Val Thr Ser Leu
65 70 75 80

Leu Leu Leu Pro Gly Leu Asn Gln His Gly Ile Ile Leu Lys Tyr Ile
85 90 95

Gly Met Ala Lys Arg Glu Ile Asn Lys Leu Leu Lys Gln Lys Glu Lys
100 105 110

Lys Asn Glu
115

<210> 6200
<211> 63
<212> PRT
<213> Homo sapiens

<400> 6200
Leu Phe Val Ser Phe Ile Phe Thr Leu Lys Gln Glu Leu Ser Tyr Leu
1 5 10 15

Ile Ile Lys Val Ser Tyr Val Leu Ser Ala Arg Thr Phe Leu Ala Phe
20 25 30

Val Arg Met Cys Leu His Met Ser Ile Ile Asn Pro His Val Tyr Thr
35 40 45

Ile Val Ser Tyr Val Leu Leu Pro Asp Ser Ser Leu Cys Ile Leu
50 55 60

<210> 6201
<211> 141
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6201
Pro Leu Pro Ser Gln Gly Ala Arg Trp Trp Leu Trp His Ser Cys Arg

```
  1               5                  10                  15

Val Val Phe Phe Ser Leu Arg Trp Ser Leu Thr Leu Val Thr Pro Ala
            20                  25                  30

Gly Met Trp Trp Cys Lys Gln Leu Thr Ala Ala Leu Thr Leu Arg Leu
        35                  40                  45

Lys Arg Ser Phe Cys Leu Gly Leu Leu Ser Ser Trp Asp Pro Arg Arg
    50                  55                  60

Glu Ser Pro His Pro Val His Val Pro Ala Gly Leu Asp Met Arg Gly
65                  70                  75                  80

Arg Cys Val Phe Pro Ala Thr Phe Ser Ser Ser Phe Leu Arg Gln Thr
                85                  90                  95

Leu Ala Pro Ser Pro Arg Pro Glu Cys Gly Xaa Ala Asn Thr Ala His
            100                 105                 110

Cys Ser Leu Asp Pro Gln Ala Gln Ala Ile Leu Thr Pro Arg Thr Pro
        115                 120                 125

Lys Val Leu Gly Ser Gln Ala Arg Val Thr Met Leu Ala
    130                 135                 140
```

<210> 6202
<211> 231
<212> PRT
<213> Homo sapiens

<400> 6202

```
Ile Ala Gly Thr Ala Thr Ala Arg Trp Trp Pro Ser Trp Trp Cys Ser
  1               5                  10                  15

Asn Val Arg His Leu Gly Leu Lys Ser Glu Glu Ile Cys Trp Thr Asn
            20                  25                  30

Ser Glu Thr Phe Ala Ala Trp Cys Ala Leu Ala Ser Gly Ser Ser Arg
        35                  40                  45

Arg Glu Gly Arg Cys Arg Gln Ala Arg Ser Pro Arg Ser Ser Ser Thr
    50                  55                  60

Ile Ser Arg Cys Thr Trp Glu Arg Thr Arg Ser Thr Pro Pro Gly Phe
65                  70                  75                  80

Thr Ala Trp Lys Thr Ser Ser Ala Arg Ser Ala Val Ser Thr Pro Ala
                85                  90                  95
```

```
Ala Ala Cys Glu Cys Ser Arg Ser Ser Pro Thr Ser Trp Thr Thr Arg
            100                 105                 110

Ser Ser Arg Leu Gly Ala Ala Gly Pro Ser Ala Ser Pro Ala Pro Arg
        115                 120                 125

Ser Leu Pro Phe Pro Ala Pro Gly Leu Arg Ser Gln Arg Phe Ser Thr
    130                 135                 140

Ser Ala Pro Pro Arg His Ala Arg Pro Pro Pro Val Ala Arg Ala Arg
145                 150                 155                 160

Ala Ala Pro Pro His Pro Gln Ala Ser Gly Arg Lys Ser Gln Glu Leu
                165                 170                 175

Pro Gln Gly Arg Lys Gly Ala Ala Ala Ser Ala Trp Leu Thr Ala Thr
            180                 185                 190

Ala Val Val Thr Val Leu Gly Asp Pro Ala Cys Ala Phe Pro Leu Arg
        195                 200                 205

Cys Lys Pro Gly Thr Gly Lys Gly Leu Arg Gly Glu Arg Thr Trp Pro
    210                 215                 220

Ser Pro Arg Val His Gly Gln
225                 230
```

<210> 6203
<211> 191
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (171)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (188)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (189)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6203

```
Gly Asp Pro Thr Cys Arg Gln Asn Leu Arg Cys Gly Thr Pro Gly Thr
  1               5                  10                  15

Val Ala Ala Ala Gly Asp Cys Gly Leu Phe Ser Ala Met His Pro Leu
             20                  25                  30

Gln Cys Val Leu Gln Val Gln Arg Ser Leu Gly Trp Gly Pro Leu Ala
         35                  40                  45

Ser Val Ser Trp Leu Ser Leu Arg Met Cys Arg Ala His Ser Ser Leu
     50                  55                  60

Ser Ser Thr Met Cys Pro Ser Pro Glu Arg Gln Glu Asp Gly Ala Arg
 65                  70                  75                  80

Lys Asp Phe Ser Ser Arg Leu Ala Ala Gly Pro Thr Phe Gln His Phe
                 85                  90                  95

Leu Lys Ser Ala Ser Ala Pro Gln Glu Lys Leu Ser Ser Glu Val Glu
            100                 105                 110

Asp Pro Pro Pro Tyr Leu Met Met Asp Glu Leu Leu Gly Arg Gln Arg
        115                 120                 125

Lys Val Tyr Leu Glu Thr Tyr Gly Cys Gln Met Asn Val Asn Asp Thr
    130                 135                 140

Glu Ile Ala Trp Ser Ile Leu Gln Lys Ser Gly Tyr Leu Arg Thr Ser
145                 150                 155                 160

Asn Leu Gln Glu Ala Asp Val Ile Leu Leu Xaa Xaa Ala Leu Ser Gly
                165                 170                 175

Arg Xaa Leu Ser Arg Pro Ser Gly Thr Val Thr Xaa Xaa Lys Ala
            180                 185                 190
```

<210> 6204
<211> 408
<212> PRT

<213> Homo sapiens

<400> 6204

```
Lys Ile Met Ala His Tyr Gly Ser Ile Gln Tyr Cys Phe His Thr Cys
  1               5                  10                  15

Thr Leu Glu Thr Lys Phe Pro Ile Ile Pro Tyr Ile Pro Thr Leu Ile
             20                  25                  30

Thr Gln Leu Thr Gln Lys Leu Leu Ala Val Ser Lys Asn Pro Ser Lys
         35                  40                  45

Pro His Phe Asn His Tyr Met Phe Glu Ala Ile Cys Leu Ser Ile Arg
     50                  55                  60

Ile Thr Cys Lys Ala Asn Pro Ala Ala Val Val Asn Phe Glu Glu Ala
 65                  70                  75                  80

Leu Phe Leu Val Phe Thr Glu Ile Leu Gln Asn Asp Val Gln Glu Phe
                 85                  90                  95

Ile Pro Tyr Val Phe Gln Val Met Ser Leu Leu Leu Glu Thr His Lys
            100                 105                 110

Asn Asp Ile Pro Ser Ser Tyr Met Ala Leu Phe Pro His Leu Leu Gln
        115                 120                 125

Pro Val Leu Trp Glu Arg Thr Gly Asn Ile Pro Ala Leu Val Arg Leu
    130                 135                 140

Leu Gln Ala Phe Leu Glu Arg Gly Ser Asn Thr Ile Ala Ser Ala Ala
145                 150                 155                 160

Ala Asp Lys Ile Pro Gly Leu Leu Gly Val Phe Gln Lys Leu Ile Ala
                165                 170                 175

Ser Lys Ala Asn Asp His Gln Gly Phe Tyr Leu Leu Asn Ser Ile Ile
            180                 185                 190

Glu His Met Pro Pro Glu Ser Val Asp Gln Tyr Arg Lys Gln Ile Phe
        195                 200                 205

Ile Leu Leu Phe Gln Arg Leu Gln Asn Ser Lys Thr Thr Lys Phe Ile
    210                 215                 220

Lys Ser Phe Leu Val Phe Ile Asn Leu Tyr Cys Ile Lys Tyr Gly Ala
225                 230                 235                 240

Leu Ala Leu Gln Glu Ile Phe Asp Gly Ile Gln Pro Lys Met Phe Gly
                245                 250                 255
```

```
Met Val Leu Glu Lys Ile Ile Ile Pro Glu Ile Gln Lys Val Ser Gly
            260                 265                 270

Asn Val Glu Lys Lys Ile Cys Ala Val Gly Ile Thr Lys Leu Leu Thr
        275                 280                 285

Glu Cys Pro Pro Met Met Asp Thr Glu Tyr Thr Lys Leu Trp Thr Pro
    290                 295                 300

Leu Leu Gln Ser Leu Ile Gly Leu Phe Glu Leu Pro Glu Asp Asp Thr
305                 310                 315                 320

Ile Pro Asp Glu Glu His Phe Ile Asp Ile Glu Asp Thr Pro Gly Tyr
                325                 330                 335

Gln Thr Ala Phe Ser Gln Leu Ala Phe Ala Gly Lys Lys Glu His Asp
            340                 345                 350

Pro Val Gly Gln Met Val Asn Asn Pro Lys Ile His Leu Ala Gln Ser
        355                 360                 365

Leu His Lys Leu Ser Thr Ala Cys Pro Gly Arg Val Pro Ser Met Val
    370                 375                 380

Ser Thr Ser Leu Asn Ala Glu Ala Leu Gln Tyr Leu Gln Gly Tyr Leu
385                 390                 395                 400

Gln Ala Ala Ser Val Thr Leu Leu
                405
```

<210> 6205
<211> 139
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2_I >

<400> 6205
Ala Ala Ala Ser Arg Arg Pro Cys Ala Gln Arg Ser Arg Thr Ser Pro
1 5 10 15

Ala Ala Ala Ser Cys Arg Ser Ala Phe Gly Val Arg Arg Ala Gln Pro
20 25 30

Ala Ser Glu Leu Arg Gly Pro Gly Arg Val Ala Arg Met Ala Trp Ala
35 40 45

Gly Ser Arg Arg Val Pro Ala Gly Thr Arg Ala Ala Ala Glu Arg Cys
50 55 60

Cys Arg Leu Ser Leu Ser Pro Gly Ala Gln Pro Ala Arg Pro Arg Pro
65 70 75 80

Ser Ala Pro Pro Arg Pro Met Arg Phe Leu Thr Ser Cys Xaa Leu Leu
85 90 95

Leu Pro Arg Ala Ala Gln Ile Leu Ala Xaa Glu Ala Gly Leu Pro Ser
100 105 110

Xaa Arg Ser Phe Met Gly Phe Ala Ala Pro Phe Thr Asn Lys Arg Lys
115 120 125

Ala Tyr Ser Glu Arg Arg Ile Met Gly Tyr Ser
130 135

<210> 6206
<211> 275
<212> PRT
<213> Homo sapiens

<400> 6206
Gly Gly Ala Ser Asn Phe Leu Ser Trp Arg Glu Ser Ala Arg Trp Ser
1 5 10 15

Arg Gln Leu Arg Arg Thr Leu Ile Arg Leu Ser Phe Pro Ile Ser Cys
20 25 30

Gly Arg Ser His Ala Phe Gly Gly Cys Lys Met Ala Ala Thr Ser Gly
35 40 45

Thr Asp Glu Pro Val Ser Gly Glu Leu Val Ser Val Ala His Ala Leu
50 55 60

Ser Leu Pro Ala Glu Ser Tyr Gly Asn Asp Pro Asp Ile Glu Met Ala
65 70 75 80

```
Trp Ala Met Arg Ala Met Gln His Ala Glu Val Tyr Tyr Lys Leu Ile
                 85                  90                  95

Ser Ser Val Asp Pro Gln Phe Leu Lys Leu Thr Lys Val Asp Asp Gln
            100                 105                 110

Ile Tyr Ser Glu Phe Arg Lys Asn Phe Glu Thr Leu Arg Ile Asp Val
        115                 120                 125

Leu Asp Pro Glu Glu Leu Lys Ser Glu Ser Ala Lys Glu Lys Trp Arg
    130                 135                 140

Pro Phe Cys Leu Lys Phe Asn Gly Ile Val Glu Asp Phe Asn Tyr Gly
145                 150                 155                 160

Thr Leu Leu Arg Leu Asp Cys Ser Gln Gly Tyr Thr Glu Glu Asn Thr
                165                 170                 175

Ile Phe Ala Pro Arg Ile Gln Phe Phe Ala Ile Glu Ile Ala Arg Asn
            180                 185                 190

Arg Glu Gly Tyr Asn Lys Ala Val Tyr Ile Ser Val Gln Asp Lys Glu
        195                 200                 205

Gly Glu Lys Gly Val Asn Asn Gly Gly Glu Lys Arg Ala Asp Ser Gly
    210                 215                 220

Glu Glu Glu Asn Thr Lys Asn Gly Gly Glu Lys Gly Ala Asp Ser Gly
225                 230                 235                 240

Glu Glu Lys Glu Glu Gly Ile Asn Arg Glu Asp Lys Thr Asp Lys Gly
                245                 250                 255

Gly Glu Lys Gly Lys Glu Ala Asp Lys Glu Ile Asn Lys Ser Gly Glu
            260                 265                 270

Lys Ala Met
        275
```

<210> 6207
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6207
Lys Met Leu Xaa Glu Ile Lys Ile Ile Ser Leu Xaa Val Arg Leu Asn
1 5 10 15

Thr Xaa Asn Leu Xaa Pro Asn Ile Thr Tyr Gly Ser Asn Tyr Phe Leu
20 25 30

Phe Cys Cys Leu Pro Ile Leu Asn Asn Ile Phe Ser Leu Asn Tyr Cys
35 40 45

Lys Xaa Phe Phe Val Gly Gly Xaa Phe Tyr Leu Leu Gln Asn Asn Lys
50 55 60

Val Gln Thr Ile Leu Cys Leu Thr Val Ala Leu Ser Lys His Tyr Ala
65 70 75 80

Trp Ile Ala Phe Glu Lys Lys
85

<210> 6208
<211> 119
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO___0122920A2_I_>

<400> 6208
Pro Phe Pro Ser Leu Pro Ser Ser Cys Cys Gln Gly Leu Gln Val Cys
1 5 10 15

His Arg Pro Gly Pro Ser Leu Lys His Gly Ile Ile Ser Glu Leu Glu
20 25 30

Val Ala Ala Ser Glu Lys Asn Pro Ser Arg Val Leu Thr Ala Glu Ile
35 40 45

Gln Glu Leu Gly Asn Gln Pro Pro Val Cys Arg Leu Leu Ser Leu Glu
50 55 60

Ile Leu Trp Pro Asn Leu Val Ala Val Phe Trp Asn Ser Phe Tyr Arg
65 70 75 80

Gly Arg Gln Cys Cys Ala Phe Leu Asp Phe Arg Met Phe Gln Gly Cys
85 90 95

Cys Trp Ile Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys
100 105 110

Val Arg Ala Cys Met Cys Ala
115

<210> 6209
<211> 180
<212> PRT
<213> Homo sapiens

<400> 6209
Arg Asn Met Ser Ser Phe Ser Arg Ala Pro Gln Gln Trp Ala Thr Phe
1 5 10 15

Ala Arg Ile Trp Tyr Leu Leu Asp Gly Lys Met Gln Pro Pro Gly Lys
20 25 30

Leu Ala Ala Met Ala Ser Ile Arg Leu Gln Gly Leu His Lys Pro Val
35 40 45

Tyr His Ala Leu Ser Asp Cys Gly Asp His Val Val Ile Met Asn Thr
50 55 60

Arg His Ile Ala Phe Ser Gly Asn Lys Trp Glu Gln Lys Val Tyr Ser
65 70 75 80

Ser His Thr Gly Tyr Pro Gly Gly Phe Arg Gln Val Thr Ala Ala Gln
85 90 95

Leu His Leu Arg Asp Pro Val Ala Ile Val Lys Leu Ala Ile Tyr Gly
100 105 110

Met Leu Pro Lys Asn Leu His Arg Arg Thr Met Met Glu Arg Leu His
115 120 125

Leu Phe Pro Asp Glu Tyr Ile Pro Glu Asp Ile Leu Lys Asn Leu Val
130 135 140

Glu Glu Leu Pro Gln Pro Arg Lys Ile Pro Lys Arg Leu Asp Glu Tyr
145 150 155 160

Thr Gln Glu Glu Ile Asp Ala Phe Pro Arg Leu Trp Thr Pro Pro Glu
165 170 175

Asp Tyr Arg Leu
180

<210> 6210
<211> 86
<212> PRT
<213> Homo sapiens

<400> 6210
Ala Glu Leu Gly Ala Asn Gly Ser Ile Ala Val Ile Ser Gly Arg Arg
1 5 10 15

Val Ser Ile Gln Val Ser Asp Ser Ser Ala Arg Leu Pro Trp Val Trp
20 25 30

Glu Glu Ala Leu Pro Phe Cys Ala Val Asp Pro Ala Cys Leu Leu Trp
35 40 45

Ser Pro Pro Thr Leu Ala Arg Ser Phe Thr Asn Gln Arg Arg Ala Val
50 55 60

Ser Lys Ser Ser Asp Arg Met Trp Cys Lys Cys Arg Cys Thr Ser Leu
65 70 75 80

Thr Leu Ser Cys Arg Ser
85

<210> 6211
<211> 42
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__0122920A2 I_>

<400> 6211
Ile Leu Ser Asp Val Trp Ser Leu Ser Ile Gln Thr Val Asn Ile Val
1 5 10 15

Leu Val Phe Val Leu Ile Leu Ile Leu Leu Leu Tyr Ser Leu Arg Cys
20 25 30

Ala Met Gln Thr Leu Ser Asn Cys Val Trp
35 40

<210> 6212
<211> 269
<212> PRT
<213> Homo sapiens

<400> 6212
Arg Asp Leu Ser Glu Pro Val Ala Gly Leu Phe Tyr Phe Pro Ser Leu
1 5 10 15

Ser Pro Ala Pro Tyr Leu Phe Ser Pro Phe Ser His Pro Arg Ser Arg
20 25 30

Ser His Gly Gly Ala Ser Ala Ala Thr Gln Ser His Ser Ile Ser Ser
35 40 45

Ser Ser Phe Gly Ala Glu Pro Ser Ala Pro Gly Gly Gly Gly Ser Pro
50 55 60

Gly Ala Cys Pro Ala Leu Gly Thr Lys Ser Cys Ser Ser Ser Cys Ala
65 70 75 80

Val His Asp Leu Ile Phe Trp Arg Asp Val Lys Lys Thr Gly Phe Val
85 90 95

Phe Gly Thr Thr Leu Ile Met Leu Leu Ser Leu Ala Ala Phe Ser Val
100 105 110

Ile Ser Val Val Ser Tyr Leu Ile Leu Ala Leu Leu Ser Val Thr Ile
115 120 125

Ser Phe Arg Ile Tyr Lys Ser Val Ile Gln Ala Val Gln Lys Ser Glu
130 135 140

Glu Gly His Pro Phe Lys Ala Tyr Leu Asp Val Asp Ile Thr Leu Ser
145 150 155 160

Ser Glu Ala Phe His Asn Tyr Met Asn Ala Ala Met Val His Ile Asn
165 170 175

```
Arg Ala Leu Lys Leu Ile Ile Arg Leu Phe Leu Val Glu Asp Leu Val
            180                 185                 190

Asp Ser Leu Lys Leu Ala Val Phe Met Trp Leu Met Thr Tyr Val Gly
        195                 200                 205

Ala Val Phe Asn Gly Ile Thr Leu Leu Ile Leu Ala Glu Leu Leu Ile
    210                 215                 220

Phe Ser Val Pro Ile Val Tyr Glu Lys Tyr Lys Thr Gln Ile Asp His
225                 230                 235                 240

Tyr Val Gly Ile Ala Arg Asp Gln Thr Lys Ser Ile Val Glu Lys Ile
                245                 250                 255

Gln Ala Lys Leu Pro Gly Ile Ala Lys Lys Lys Ala Glu
            260                 265
```

<210> 6213
<211> 206
<212> PRT
<213> Homo sapiens

<400> 6213

```
Pro Ala Gly Asp Asn Gly Asn Met Ala Leu Asn Gly Ala Glu Val Asp
  1               5                  10                  15

Asp Phe Ser Trp Glu Pro Pro Thr Glu Ala Glu Thr Lys Val Leu Gln
             20                  25                  30

Ala Arg Arg Glu Arg Gln Asp Arg Ile Ser Arg Leu Met Gly Asp Tyr
         35                  40                  45

Leu Leu Arg Gly Tyr Arg Met Leu Gly Glu Thr Cys Ala Asp Cys Gly
     50                  55                  60

Thr Ile Leu Leu Gln Asp Lys Gln Arg Lys Ile Tyr Cys Val Ala Cys
 65                  70                  75                  80

Gln Glu Leu Asp Ser Asp Val Asp Lys Asp Asn Pro Ala Leu Asn Ala
                 85                  90                  95

Gln Ala Ala Leu Ser Gln Ala Arg Glu His Gln Leu Ala Ser Ala Ser
            100                 105                 110

Glu Leu Pro Leu Gly Ser Arg Pro Ala Pro Gln Pro Pro Val Pro Arg
        115                 120                 125
```

```
Pro Glu His Cys Glu Gly Ala Ala Ala Gly Leu Lys Ala Ala Gln Gly
    130                 135                 140

Pro Pro Ala Pro Ala Val Pro Pro Asn Thr Asp Val Met Ala Cys Thr
145                 150                 155                 160

Gln Thr Ala Leu Leu Gln Lys Leu Thr Trp Ala Ser Ala Glu Leu Gly
                165                 170                 175

Ser Ser Thr Ser Leu Glu Thr Ser Ile Gln Leu Cys Gly Leu Ile Arg
            180                 185                 190

Ala Cys Ala Glu Ala Leu Arg Ser Leu Gln Gln Leu Gln His
        195                 200                 205
```

<210> 6214
<211> 583
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (397)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6214

```
Ala Ala Pro Ala Trp Ala Ala Leu Pro Leu Ser Arg Ser Leu Pro Pro
  1               5                  10                  15

Cys Ser Asn Ser Ser Ser Phe Ser Met Pro Leu Phe Leu Leu Leu Leu
            20                  25                  30

Leu Val Leu Leu Leu Leu Leu Glu Asp Ala Gly Ala Gln Gln Gly Asp
        35                  40                  45

Gly Cys Gly His Thr Val Leu Gly Pro Glu Ser Gly Thr Leu Thr Ser
    50                  55                  60

Ile Asn Tyr Pro Gln Thr Tyr Pro Asn Ser Thr Val Cys Glu Trp Glu
65                  70                  75                  80

Ile Arg Val Lys Met Gly Glu Arg Val Arg Ile Lys Phe Gly Asp Phe
                85                  90                  95

Asp Ile Glu Asp Ser Asp Ser Cys His Phe Asn Tyr Leu Arg Ile Tyr
            100                 105                 110

Asn Gly Ile Gly Val Ser Arg Thr Glu Ile Gly Lys Tyr Cys Gly Leu
        115                 120                 125
```

```
Gly Leu Gln Met Asn His Ser Ile Glu Ser Lys Gly Asn Glu Ile Thr
    130                 135                 140

Leu Leu Phe Met Ser Gly Ile His Val Ser Gly Arg Gly Phe Leu Ala
145                 150                 155                 160

Ser Tyr Ser Val Ile Asp Lys Gln Asp Leu Ile Thr Cys Leu Asp Thr
                165                 170                 175

Ala Ser Asn Phe Leu Glu Pro Glu Phe Ser Lys Tyr Cys Pro Ala Gly
            180                 185                 190

Cys Leu Leu Pro Phe Ala Glu Ile Ser Gly Thr Ile Pro His Gly Tyr
        195                 200                 205

Arg Asp Ser Ser Pro Leu Cys Met Ala Gly Val His Ala Gly Val Val
    210                 215                 220

Ser Asn Thr Leu Gly Gly Gln Ile Ser Val Val Ile Ser Lys Gly Ile
225                 230                 235                 240

Pro Tyr Tyr Glu Ser Ser Leu Ala Asn Asn Val Thr Ser Val Val Gly
                245                 250                 255

His Leu Ser Thr Ser Leu Phe Thr Phe Lys Thr Ser Gly Cys Tyr Gly
            260                 265                 270

Thr Leu Gly Met Glu Ser Gly Val Ile Ala Asp Pro Gln Ile Thr Ala
        275                 280                 285

Ser Ser Val Leu Glu Trp Thr Asp His Thr Gly Gln Glu Asn Ser Trp
    290                 295                 300

Lys Pro Lys Lys Ala Arg Leu Lys Lys Pro Gly Pro Pro Trp Ala Ala
305                 310                 315                 320

Phe Ala Thr Asp Glu Tyr Gln Trp Leu Gln Ile Asp Leu Asn Lys Glu
                325                 330                 335

Lys Lys Ile Thr Gly Ile Ile Thr Thr Gly Ile Thr Met Val Glu His
            340                 345                 350

Asn Tyr Tyr Val Ser Ala Tyr Arg Ile Leu Tyr Ser Asp Asp Gly Gln
        355                 360                 365

Lys Trp Thr Val Tyr Arg Glu Pro Gly Val Glu Gln Asp Lys Ile Phe
    370                 375                 380

Gln Gly Asn Lys Asp Tyr His Gln Asp Val Arg Asn Xaa Phe Leu Pro
385                 390                 395                 400
```

```
Pro Ile Ile Ala Arg Phe Ile Arg Val Asn Pro Thr Gln Trp Gln Gln
                405                 410                 415

Lys Ile Ala Met Lys Met Glu Leu Leu Gly Cys Gln Phe Ile Pro Lys
            420                 425                 430

Gly Arg Pro Pro Lys Leu Thr Gln Pro Pro Pro Pro Arg Asn Ser Asn
        435                 440                 445

Asp Leu Lys Asn Thr Thr Ala Pro Pro Lys Ile Ala Lys Gly Arg Ala
    450                 455                 460

Pro Lys Phe Thr Gln Pro Leu Gln Pro Arg Ser Ser Asn Glu Phe Pro
465                 470                 475                 480

Ala Gln Thr Glu Gln Thr Thr Ala Ser Pro Asp Ile Arg Asn Thr Thr
                485                 490                 495

Val Thr Pro Asn Val Thr Lys Asp Val Ala Leu Ala Ala Val Leu Val
            500                 505                 510

Pro Val Leu Val Met Val Leu Thr Thr Leu Ile Leu Ile Leu Val Cys
        515                 520                 525

Ala Trp His Trp Arg Asn Arg Lys Lys Lys Thr Glu Gly Thr Tyr Asp
    530                 535                 540

Leu Pro Tyr Trp Asp Arg Ala Gly Asn Ser Arg Gly Leu Cys Ile Ser
545                 550                 555                 560

Phe Leu Ser Glu Gly Cys Arg Ser Pro Thr Gly Gly Ser Ser Glu Lys
                565                 570                 575

Arg Val Ile Leu Trp Pro Arg
            580
```

<210> 6215
<211> 167
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (163)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6215

```
Pro Ser Arg Gly His Thr Trp Ala Tyr Ser Gly Xaa Ala Glu Pro Ala
 1               5                  10                  15

Xaa Ala Arg Leu Arg Ala Ser Leu Thr Leu Ser Arg Glu Ala Gln Lys
            20                  25                  30

Phe Ala Leu Ala Arg Glu Val Val Tyr Leu Glu Ser Ser Thr Thr Ala
        35                  40                  45

Val His Ala Leu Leu Ala Pro Ala Cys Leu Ala Gly Thr Trp Ala Leu
    50                  55                  60

Gly Val Gly Ala Lys Tyr Thr Leu Gly Leu His Ala Gly Pro Met Asn
65                  70                  75                  80

Leu Arg Ala Ala Phe Ser Leu Val Ala Ala Val Ala Gly Phe Val Ala
                85                  90                  95

Tyr Ala Phe Ser Gln Asp Ser Leu Thr His Ala Val Glu Ser Trp Leu
            100                 105                 110

Asp Arg Arg Thr Ala Ser Leu Ser Ala Ala Tyr Ala Cys Gly Gly Val
        115                 120                 125

Glu Phe Tyr Glu Lys Leu Leu Ser Gly Asn Leu Ala Leu Arg Xaa Leu
    130                 135                 140

Phe Gly Gln Lys Lys Gly Glu Lys Leu Tyr Thr Pro Asn Xaa Glu His
145                 150                 155                 160

Arg Pro Xaa Asp Thr Cys Ser
                165
```

<210> 6216
<211> 63
<212> PRT
<213> Homo sapiens

<400> 6216
Gln Gly Leu Pro Ser Met Lys Tyr Leu Thr Phe Ser His Pro Leu Lys
1 5 10 15

Asn Ile His Phe Tyr Lys Met Lys Thr Ile Ile Asn Val Leu Asn Ile
20 25 30

Lys Lys Asn Asn Asn Leu Gln Arg Lys Ile Asn Gly Asp Ser Tyr Leu
35 40 45

Pro Cys Thr Phe Ser Thr Ile Val Ala Ala Ser Cys Thr His Leu
50 55 60

<210> 6217
<211> 521
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6217
Ala Asp Tyr Leu Leu Ser Arg Met Asp Val Thr Ser Cys Ile Ser Tyr
1 5 10 15

Arg Asn Phe Ala Ser Cys Met Gly Asp Ser Arg Leu Leu Asn Lys Val
20 25 30

Asp Ala Tyr Ile Gln Glu His Leu Leu Gln Ile Ser Glu Glu Glu Glu

35 40 45

Phe Leu Lys Leu Pro Arg Leu Lys Leu Glu Val Met Leu Glu Asp Asn
50 55 60

Val Cys Leu Pro Ser Asn Gly Lys Leu Tyr Thr Lys Val Ile Asn Trp
65 70 75 80

Val Gln Arg Xaa Ile Trp Glu Asn Gly Asp Ser Leu Xaa Xaa Leu Met
85 90 95

Glu Glu Val Gln Thr Leu Tyr Tyr Ser Ala Asp His Lys Leu Leu Asp
100 105 110

Gly Asn Leu Leu Asp Gly Gln Ala Glu Val Phe Gly Ser Asp Asp Asp
115 120 125

His Ile Gln Phe Val Gln Lys Lys Pro Pro Arg Glu Asn Gly His Lys
130 135 140

Gln Ile Ser Ser Ser Ser Thr Gly Cys Leu Ser Ser Pro Asn Ala Thr
145 150 155 160

Val Gln Ser Pro Lys His Glu Trp Lys Ile Val Ala Ser Glu Lys Thr
165 170 175

Ser Asn Asn Thr Tyr Leu Cys Leu Ala Val Leu Asp Gly Ile Phe Cys
180 185 190

Val Ile Phe Leu His Gly Arg Asn Ser Pro Gln Ser Ser Pro Thr Ser
195 200 205

Thr Pro Lys Leu Ser Lys Ser Leu Ser Phe Glu Met Gln Gln Asp Glu
210 215 220

Leu Ile Glu Lys Pro Met Ser Pro Met Gln Tyr Ala Arg Ser Gly Leu
225 230 235 240

Gly Thr Ala Glu Met Asn Gly Lys Leu Ile Ala Ala Gly Gly Tyr Asn
245 250 255

Arg Glu Glu Cys Leu Arg Thr Val Glu Cys Tyr Asn Pro His Thr Asp
260 265 270

His Trp Ser Phe Leu Ala Pro Met Arg Thr Pro Arg Ala Arg Phe Gln
275 280 285

Met Ala Val Leu Met Gly Gln Leu Tyr Val Val Gly Gly Ser Asn Gly
290 295 300

His Ser Asp Asp Leu Ser Cys Gly Glu Met Tyr Asp Ser Asn Ile Asp

BNSDOCID: <WO__ 0122920A2_I >

305 310 315 320

Asp Trp Ile Pro Val Pro Glu Leu Arg Thr Asn Arg Cys Asn Ala Gly
325 330 335

Val Cys Ala Leu Asn Gly Lys Leu Tyr Ile Val Gly Gly Ser Asp Pro
340 345 350

Tyr Gly Gln Lys Gly Leu Lys Asn Cys Asp Val Phe Asp Pro Val Thr
355 360 365

Lys Leu Trp Thr Ser Cys Ala Pro Leu Asn Ile Arg Arg His Gln Ser
370 375 380

Ala Val Cys Glu Leu Gly Gly Tyr Leu Tyr Ile Ile Gly Gly Ala Glu
385 390 395 400

Ser Trp Asn Cys Leu Asn Thr Val Glu Arg Tyr Asn Pro Glu Asn Asn
405 410 415

Thr Trp Thr Leu Ile Ala Pro Met Asn Val Ala Arg Arg Gly Ala Gly
420 425 430

Val Ala Val Leu Asn Gly Lys Leu Phe Val Cys Gly Gly Phe Asp Gly
435 440 445

Ser His Ala Ile Ser Cys Val Glu Met Tyr Asp Pro Thr Arg Asn Glu
450 455 460

Trp Lys Met Met Gly Asn Met Thr Ser Pro Arg Ser Asn Ala Gly Ile
465 470 475 480

Ala Thr Val Gly Asn Thr Ile Tyr Ala Val Gly Gly Phe Asp Gly Asn
485 490 495

Glu Phe Leu Asn Thr Val Glu Val Tyr Asn Leu Glu Ser Asn Glu Trp
500 505 510

Ser Pro Tyr Thr Lys Ile Phe Gln Phe
515 520

<210> 6218
<211> 425
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6218

```
Gly Val Trp Ser Leu Met Leu Leu Gly Asp Met Arg Leu Xaa Phe Xaa
  1               5                  10                  15

Gln Val Glu Asp Glu Leu Ser Ser Pro Val Val Val Phe Arg Phe Phe
             20                  25                  30

Gln Glu Leu Pro Gly Ser Asp Pro Val Phe Lys Ala Val Pro Val Pro
         35                  40                  45

Asn Met Thr Pro Ser Gly Val Gly Arg Glu Arg His Ser Cys Asp Ala
     50                  55                  60

Leu Asn Arg Trp Leu Gly Glu Gln Leu Lys Gln Leu Val Pro Ala Ser
 65                  70                  75                  80

Gly Leu Thr Val Met Asp Leu Glu Ala Glu Gly Thr Cys Leu Arg Phe
                 85                  90                  95

Ser Pro Leu Met Thr Ala Ala Val Leu Gly Thr Arg Gly Glu Asp Val
            100                 105                 110

Asp Gln Leu Val Ala Cys Ile Glu Ser Lys Leu Pro Val Leu Cys Cys
        115                 120                 125

Thr Leu Gln Leu Arg Glu Glu Phe Lys Gln Glu Val Glu Ala Thr Ala
    130                 135                 140

Gly Leu Leu Tyr Val Asp Asp Pro Asn Trp Ser Gly Ile Gly Val Val
145                 150                 155                 160

Arg Tyr Glu His Ala Asn Asp Asp Lys Ser Ser Leu Lys Ser Asp Pro
                165                 170                 175

Glu Gly Glu Asn Ile His Ala Gly Leu Leu Lys Lys Leu Asn Glu Leu
            180                 185                 190

Glu Ser Asp Leu Thr Phe Lys Ile Gly Pro Glu Tyr Lys Ser Met Lys
        195                 200                 205

Ser Cys Leu Tyr Val Gly Met Ala Ser Asp Asn Val Asp Ala Ala Glu
    210                 215                 220

Leu Val Glu Thr Ile Ala Ala Thr Ala Arg Glu Ile Glu Glu Asn Ser
```

225 230 235 240

Arg Leu Leu Glu Asn Met Thr Glu Val Val Arg Lys Gly Ile Gln Glu
245 250 255

Ala Gln Val Glu Leu Gln Lys Ala Ser Glu Glu Arg Leu Leu Glu Glu
260 265 270

Gly Val Leu Arg Gln Ile Pro Val Val Gly Ser Val Leu Asn Trp Phe
275 280 285

Ser Pro Val Gln Ala Leu Gln Lys Gly Arg Thr Phe Asn Leu Thr Ala
290 295 300

Gly Ser Leu Glu Ser Thr Glu Pro Ile Tyr Val Tyr Lys Ala Gln Gly
305 310 315 320

Ala Gly Val Thr Leu Pro Pro Thr Pro Ser Gly Ser Arg Thr Lys Gln
325 330 335

Arg Leu Pro Gly Gln Lys Pro Phe Lys Arg Ser Leu Arg Gly Ser Asp
340 345 350

Ala Leu Ser Glu Thr Ser Ser Val Ser His Ile Glu Asp Leu Glu Lys
355 360 365

Val Glu Arg Leu Ser Ser Gly Pro Glu Gln Ile Thr Leu Glu Ala Ser
370 375 380

Ser Thr Glu Gly His Pro Gly Ala Pro Ser Pro Gln His Thr Asp Gln
385 390 395 400

Thr Glu Ala Phe Gln Lys Gly Val Pro His Pro Glu Asp Asp His Ser
405 410 415

Gln Val Glu Gly Pro Glu Ser Leu Arg
420 425

<210> 6219
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6219

Ser	Lys	Glu	Ala	Ala	Leu	Gln	Trp	His	Ser	Trp	Val	Trp	Cys	Thr	Thr
1				5					10					15	

Pro	Gln	Glu	His	Leu	Xaa	Phe	Cys	Leu	Ile	Asn	Ala	Gly	Val	Leu	Tyr
			20					25					30		

Leu	Tyr	Phe	Ser	Asn	Tyr	Leu	Gln	Ile	Asp	Glu	Glu	Xaa	Tyr	Gly	Gly
		35					40					45			

Thr	Trp	Glu	Leu	Thr	Xaa	Glu	Gly	Phe	Met	Thr	Xaa	Phe	Ala	Leu	Phe
	50					55					60				

Arg	Ser	Leu	Asp	His	Leu	Leu	His	Cys	His	Pro	Leu	Xaa	Leu	Met	Val
65					70					75					80

Tyr	Ser	Ser	Gln	Cys	Ser	Leu	Ser	Ser	Pro	Lys	Asp	Pro	Leu	Gly	Leu
				85					90					95	

Gln	His	Arg	Asn	Leu	Asp	Arg	Trp	Gly	Thr	Gln	Pro	Leu	Gly	Asn	Leu
			100					105					110		

Glu	Asp	Pro	Cys	Phe	Arg	Asp	Arg	Glu	Ser	Val	Cys	Trp	Gly	Ile	Ser
		115					120					125			

Val	Phe	
	130	

<210> 6220
<211> 150

<212> PRT
<213> Homo sapiens

<400> 6220
Thr Pro Thr Pro Phe Gly Ser Ala Arg Ala Pro Gln Ala Arg Pro Gly
1 5 10 15

Arg Arg Asp Gly Arg Met Ser Gly Gly Arg Arg Lys Glu Glu Pro Pro
20 25 30

Gln Pro Gln Leu Ala Asn Gly Ala Leu Lys Val Ser Val Trp Ser Lys
35 40 45

Val Leu Arg Ser Asp Ala Ala Trp Glu Asp Lys Asp Glu Phe Leu Asp
50 55 60

Val Ile Tyr Trp Phe Arg Gln Ile Ile Ala Val Val Leu Gly Val Ile
65 70 75 80

Trp Gly Val Leu Pro Leu Arg Gly Phe Leu Gly Ile Ala Gly Phe Cys
85 90 95

Leu Ile Asn Ala Gly Val Leu Tyr Leu Tyr Phe Ser Asn Tyr Leu Gln
100 105 110

Ile Asp Glu Glu Glu Tyr Gly Gly Thr Trp Glu Leu Thr Lys Glu Gly
115 120 125

Phe Met Thr Ser Phe Ala Leu Phe Met Val Ile Trp Ile Ile Phe Tyr
130 135 140

Thr Ala Ile His Tyr Asp
145 150

<210> 6221
<211> 782
<212> PRT
<213> Homo sapiens

<400> 6221
Trp Ser Ala Ala Ala Ala Ala Ala Ala Ala Ala Gln Ser Arg Trp Trp
1 5 10 15

Ser Arg Arg Gly Gly Ser Arg Ser Thr Met Pro Ala Leu Pro Leu Asp
20 25 30

Gln Leu Gln Ile Thr His Lys Asp Pro Lys Thr Gly Lys Leu Arg Thr
35 40 45

```
Ser Pro Ala Leu His Pro Glu Gln Lys Ala Asp Arg Tyr Phe Val Leu
     50                  55                  60

Tyr Lys Pro Pro Pro Lys Asp Asn Ile Pro Ala Leu Val Glu Glu Tyr
 65                  70                  75                  80

Leu Glu Arg Ala Thr Phe Val Ala Asn Asp Leu Asp Trp Leu Leu Ala
                85                  90                  95

Leu Pro His Asp Lys Phe Trp Cys Gln Val Ile Phe Asp Glu Thr Leu
            100                 105                 110

Gln Lys Cys Leu Asp Ser Tyr Leu Arg Tyr Val Pro Arg Lys Phe Asp
        115                 120                 125

Glu Gly Val Ala Ser Ala Pro Glu Val Val Asp Met Gln Lys Arg Leu
    130                 135                 140

His Arg Ser Val Phe Leu Thr Phe Leu Arg Met Ser Thr His Lys Glu
145                 150                 155                 160

Ser Lys Asp His Phe Ile Ser Pro Ser Ala Phe Gly Glu Ile Leu Tyr
                165                 170                 175

Asn Asn Phe Leu Phe Asp Ile Pro Lys Ile Leu Asp Leu Cys Val Leu
            180                 185                 190

Phe Gly Lys Gly Asn Ser Pro Leu Leu Gln Lys Met Ile Gly Asn Ile
        195                 200                 205

Phe Thr Gln Gln Pro Ser Tyr Tyr Ser Asp Leu Asp Glu Thr Leu Pro
    210                 215                 220

Thr Ile Leu Gln Val Phe Ser Asn Ile Leu Gln His Cys Gly Leu Gln
225                 230                 235                 240

Gly Asp Gly Ala Asn Thr Thr Pro Gln Lys Leu Glu Glu Arg Gly Arg
                245                 250                 255

Leu Thr Pro Ser Asp Met Pro Leu Leu Glu Leu Lys Asp Ile Val Leu
            260                 265                 270

Tyr Leu Cys Asp Thr Cys Thr Thr Leu Trp Ala Phe Leu Asp Ile Phe
        275                 280                 285

Pro Leu Ala Cys Gln Thr Phe Gln Lys His Asp Phe Cys Tyr Arg Leu
    290                 295                 300

Ala Ser Phe Tyr Glu Ala Ala Ile Pro Glu Met Glu Ser Ala Ile Lys
305                 310                 315                 320
```

```
Lys Arg Arg Leu Glu Asp Ser Lys Leu Leu Gly Asp Leu Trp Gln Arg
                325                 330                 335

Leu Ser His Ser Arg Lys Lys Leu Met Glu Ile Phe His Ile Ile Leu
            340                 345                 350

Asn Gln Ile Cys Leu Leu Pro Ile Leu Glu Ser Ser Cys Asp Asn Ile
        355                 360                 365

Gln Gly Phe Ile Glu Glu Phe Leu Gln Ile Phe Ser Ser Leu Leu Gln
    370                 375                 380

Glu Lys Arg Phe Leu Arg Asp Tyr Asp Ala Leu Phe Pro Val Ala Glu
385                 390                 395                 400

Asp Ile Ser Leu Leu Gln Gln Ala Ser Ser Val Leu Asp Glu Thr Arg
                405                 410                 415

Thr Ala Tyr Ile Leu Gln Ala Val Glu Ser Ala Trp Glu Gly Val Asp
            420                 425                 430

Arg Arg Lys Ala Thr Asp Ala Lys Asp Pro Ser Val Ile Glu Glu Pro
        435                 440                 445

Asn Gly Glu Pro Asn Gly Val Thr Val Thr Ala Glu Ala Val Ser Gln
    450                 455                 460

Ala Ser Ser His Pro Glu Asn Ser Glu Glu Glu Glu Cys Met Gly Ala
465                 470                 475                 480

Ala Ala Ala Val Gly Pro Ala Met Cys Gly Val Glu Leu Asp Ser Leu
                485                 490                 495

Ile Ser Gln Val Lys Asp Leu Leu Pro Asp Leu Gly Glu Gly Phe Ile
            500                 505                 510

Leu Ala Cys Leu Glu Tyr Tyr His Tyr Asp Pro Glu Gln Val Ile Asn
        515                 520                 525

Asn Ile Leu Glu Glu Arg Leu Ala Pro Thr Leu Ser Gln Leu Asp Arg
    530                 535                 540

Asn Leu Asp Arg Glu Met Lys Pro Asp Pro Thr Pro Leu Leu Thr Ser
545                 550                 555                 560

Arg His Asn Val Phe Gln Asn Asp Glu Phe Asp Val Phe Ser Arg Asp
                565                 570                 575

Ser Val Asp Leu Ser Arg Val His Lys Gly Lys Ser Thr Arg Lys Glu
            580                 585                 590
```

```
Glu Asn Thr Arg Ser Leu Leu Asn Asp Lys Arg Ala Val Ala Ala Gln
        595                 600                 605

Arg Gln Arg Tyr Glu Gln Tyr Ser Val Val Val Glu Glu Val Pro Leu
    610                 615                 620

Gln Pro Gly Glu Ser Leu Pro Tyr His Ser Val Tyr Tyr Glu Asp Glu
625                 630                 635                 640

Tyr Asp Asp Thr Tyr Asp Gly Asn Gln Val Gly Ala Asn Asp Ala Asp
                645                 650                 655

Ser Asp Asp Glu Leu Ile Ser Arg Arg Pro Phe Thr Ile Pro Gln Val
            660                 665                 670

Leu Arg Thr Lys Val Pro Arg Glu Gly Gln Glu Glu Asp Asp Asp Asp
        675                 680                 685

Glu Glu Asp Asp Ala Asp Glu Glu Ala Pro Lys Pro Asp His Phe Val
    690                 695                 700

Gln Asp Pro Ala Val Leu Arg Glu Lys Ala Glu Ala Arg Arg Met Ala
705                 710                 715                 720

Phe Leu Ala Lys Lys Gly Tyr Arg His Asp Ser Ser Thr Ala Val Ala
                725                 730                 735

Gly Ser Pro Arg Gly His Gly Gln Ser Arg Glu Thr Thr Gln Glu Arg
            740                 745                 750

Arg Lys Lys Glu Ala Asn Lys Ala Thr Arg Ala Asn His Asn Arg Arg
        755                 760                 765

Thr Met Ala Asp Arg Lys Arg Ser Lys Gly Met Ile Pro Ser
    770                 775                 780
```

<210> 6222
<211> 345
<212> PRT
<213> Homo sapiens

<400> 6222

```
Ile Arg His Glu Pro Gly Ser Thr Gln Ser Lys Thr Leu Met Ala Ala
  1               5                  10                  15

Val Phe Leu Val Thr Leu Tyr Glu Tyr Ser Pro Leu Phe Tyr Ile Ala
             20                  25                  30

Val Val Phe Thr Cys Phe Ile Val Thr Thr Gly Leu Val Leu Gly Trp
```

35 40 45

Phe Gly Trp Asp Val Pro Val Ile Leu Arg Asn Ser Glu Glu Thr Gln
50 55 60

Phe Ser Thr Arg Val Phe Lys Lys Gln Met Arg Gln Val Lys Asn Pro
65 70 75 80

Phe Gly Leu Glu Ile Thr Asn Pro Ser Ser Ala Ser Ile Thr Thr Gly
85 90 95

Ile Thr Leu Thr Thr Asp Cys Leu Glu Asp Ser Leu Leu Thr Cys Tyr
100 105 110

Trp Gly Cys Ser Val Gln Lys Leu Tyr Glu Ala Leu Gln Lys His Val
115 120 125

Tyr Cys Phe Arg Ile Ser Thr Pro Gln Ala Leu Glu Asp Ala Leu Tyr
130 135 140

Ser Glu Tyr Leu Tyr Gln Glu Gln Tyr Phe Ile Lys Lys Asp Ser Lys
145 150 155 160

Glu Glu Ile Tyr Cys Gln Leu Pro Arg Asp Thr Lys Ile Glu Asp Phe
165 170 175

Gly Thr Val Pro Arg Ser Arg Tyr Pro Leu Val Ala Leu Leu Thr Leu
180 185 190

Ala Asp Glu Asp Asp Arg Glu Ile Tyr Asp Ile Ile Ser Met Val Ser
195 200 205

Val Ile His Ile Pro Asp Arg Thr Tyr Lys Leu Ser Cys Arg Ile Leu
210 215 220

Tyr Gln Tyr Leu Leu Leu Ala Gln Gly Gln Phe His Asp Leu Lys Gln
225 230 235 240

Leu Phe Met Ser Ala Asn Asn Asn Phe Thr Pro Ser Asn Asn Ser Ser
245 250 255

Ser Glu Glu Lys Asn Thr Asp Arg Ser Leu Leu Glu Lys Val Gly Leu
260 265 270

Ser Glu Ser Glu Val Glu Pro Ser Glu Glu Asn Ser Lys Asp Cys Val
275 280 285

Val Cys Gln Asn Gly Thr Val Asn Trp Val Leu Leu Pro Cys Arg His
290 295 300

Thr Cys Leu Cys Asp Gly Cys Val Lys Tyr Phe Gln Gln Cys Pro Met

BNSDOCID: <WO 0122920A2 1 >

305 310 315 320

Cys Arg Gln Phe Val Gln Glu Ser Phe Ala Leu Cys Ser Gln Lys Glu
325 330 335

Gln Asp Lys Asp Lys Pro Lys Thr Leu
340 345

<210> 6223
<211> 133
<212> PRT
<213> Homo sapiens

<400> 6223
Arg Ser Pro Thr Glu Thr Leu Phe Cys Lys Glu Pro Thr Ser Arg Ala
1 5 10 15

Ala Ala Ala Arg Glu Glu Ser Thr Cys Ser Ser Arg Leu Thr Val Arg
20 25 30

Leu Ser Ser Ala Leu Ala Gly Glu Gly Pro Gln Ala Ser Pro Thr Ala
35 40 45

Thr Glu Arg Ala Ser Leu Gln Gly Asn His Ile Arg His Ala Cys Ala
50 55 60

His Ser Arg Leu Lys Thr Ala Ser Lys Met Ser Met Lys Pro Leu Ser
65 70 75 80

Ser Arg Ala Val Ser Phe Asn Thr Ser Glu Tyr Tyr Leu Trp Leu Lys
85 90 95

Gly Cys Met Cys Ile Gly Val Cys Val Cys Val Cys Val Cys Val Phe
100 105 110

Gly Leu Val Trp Arg Met Lys Lys Gly Phe His Leu Gly Ile Cys Lys
115 120 125

Tyr Ser Met Ala Ser
130

<210> 6224
<211> 109
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6224
Gly Thr Ala Glu Glu Leu Lys Arg Asn Ala Glu Thr Gly Asn Leu Pro
1 5 10 15

His Ser Tyr Arg Leu Ile Ser Val Val Ser His Ile Gly Ser Thr Ser
20 25 30

Ser Ser Gly His Tyr Ile Ser Asp Val Tyr Asp Ile Lys Lys Gln Ala
35 40 45

Trp Phe Thr Tyr Asn Asp Leu Glu Val Ser Lys Ile Gln Glu Ala Ala
50 55 60

Val Gln Ser Asp Arg Asp Arg Ser Gly Tyr Ile Phe Phe Tyr Met His
65 70 75 80

Lys Glu Ile Phe Asp Glu Leu Leu Glu Thr Glu Lys Asn Ser Gln Ser
85 90 95

Leu Ser Thr Glu Val Gly Lys Thr Thr Arg Gln Xaa Ser
100 105

<210> 6225
<211> 219
<212> PRT
<213> Homo sapiens

<400> 6225
Pro Gly Ala Ala Trp Ser Arg Pro Asp Leu Arg Gly Cys Cys Thr Gly
1 5 10 15

Pro Gln Pro Ala Leu Arg Met Leu Val Leu Pro Ser Pro Cys Pro Gln
20 25 30

Pro Leu Ala Phe Ser Ser Val Glu Thr Met Glu Gly Pro Pro Arg Arg
35 40 45

Thr Cys Arg Ser Pro Glu Pro Gly Pro Ser Ser Ser Ile Gly Ser Pro
50 55 60

Gln Ala Ser Ser Pro Pro Arg Pro Asn His Tyr Leu Leu Ile Asp Thr
65 70 75 80

Gln Gly Val Pro Tyr Thr Val Leu Val Asp Glu Glu Ser Gln Arg Glu
85 90 95

```
Pro Gly Ala Ser Gly Ala Pro Gly Gln Lys Lys Cys Tyr Ser Cys Pro
            100                 105                 110

Val Cys Ser Arg Val Phe Glu Tyr Met Ser Tyr Leu Gln Arg His Ser
        115                 120                 125

Ile Thr His Ser Glu Val Lys Pro Phe Glu Cys Asp Ile Cys Gly Lys
    130                 135                 140

Ala Phe Lys Arg Ala Ser His Leu Ala Arg His His Ser Ile His Leu
145                 150                 155                 160

Ala Gly Gly Gly Arg Pro His Gly Cys Pro Leu Cys Pro Arg Arg Phe
                165                 170                 175

Arg Asp Ala Gly Glu Leu Ala Gln His Ser Arg Val His Ser Gly Glu
            180                 185                 190

Arg Pro Phe Gln Cys Pro His Cys Pro Arg Arg Phe Met Glu Gln Asn
        195                 200                 205

Thr Leu Gln Lys His Thr Arg Trp Lys His Pro
    210                 215
```

<210> 6226
<211> 163
<212> PRT
<213> Homo sapiens

<400> 6226

```
Val Tyr Leu Phe Ile Tyr Phe Arg Asn Lys Ser Leu Gly Asp Lys Ser
  1               5                  10                  15

Glu Thr Leu Ser Pro Lys Lys Lys Lys Lys Lys Lys Lys Asn Trp Ile
             20                  25                  30

Ala Trp Leu Tyr Ser Gly His Ser Met Gln Ala Gln Phe Cys Cys Ser
         35                  40                  45

Ala Val Cys Ser Ala Phe Leu His Ile Leu Ala Ser Pro Ser Gly Ala
     50                  55                  60

Lys Met Ala Ala Ala Phe Gln Ala Ser His Pro Asp Ser Asp Pro Glu
 65                  70                  75                  80

Lys Leu Pro Ile Pro Thr Trp Val Ser Leu Cys Arg Asn Glu Lys Pro
                 85                  90                  95
```

BNSDOCID: <WO__0122920A2_I_>

```
His Pro Ala Ala Glu Thr Ser Pro Ser Ser Val Phe Ser Gly Leu Ile
            100                 105                 110

His Gln Arg Arg Pro Pro Leu Asn Gln Ser Leu Ala Lys Arg Met Gly
        115                 120                 125

Pro Pro Gly Arg Leu Asp Gln Thr Gly Pro Ala Leu Trp Gly Trp Gly
    130                 135                 140

Glu Ala Gln Met Lys Ala Ala Gly Gln Asp Gly Leu Leu Asp Leu Cys
145                 150                 155                 160

Tyr Gln Gln
```

<210> 6227
<211> 185
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (155)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (168)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _ 0122920A2 I_>

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6227
His Arg Arg Lys Gly Lys Asp Arg Val Arg Gln Gly Ala Trp Gly Gly
1 5 10 15

Ala Met Val Pro Met His Leu Leu Gly Arg Leu Glu Lys Pro Leu Leu
20 25 30

Leu Leu Cys Cys Ala Ser Phe Leu Leu Gly Leu Ala Leu Leu Gly Ile
35 40 45

Lys Thr Asp Ile Thr Pro Val Ala Tyr Phe Phe Leu Thr Leu Gly Gly
50 55 60

Phe Phe Leu Phe Ala Tyr Leu Leu Val Arg Phe Leu Glu Trp Gly Leu
65 70 75 80

Arg Ser Gln Leu Gln Ser Met Gln Thr Xaa Ser Pro Gly Xaa Ser Gly
85 90 95

Asn Ala Arg Asp Asn Glu Ala Phe Glu Val Pro Val Tyr Glu Glu Ala
100 105 110

Val Val Gly Leu Glu Ser Gln Cys Arg Pro Lys Ser Trp Thr Asn His
115 120 125

Pro Pro Thr Ala Thr Gly Gly Asp Thr Pro Ser Thr Leu Xaa Xaa Glu
130 135 140

Gln Pro Ser Pro Phe Gln Lys Gly Ser Arg Xaa Lys Pro Lys Leu Gly
145 150 155 160

Thr Glu Ala Glu Trp Ala Leu Xaa Gly Gly Pro Met Gly Pro Arg Lys
165 170 175

Gly Xaa Pro Trp Glu Glu Leu Pro Asn
180 185

<210> 6228
<211> 58
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6228
Val Leu Leu Ser Gln Leu Gln Arg Ala Gly Ala Arg Xaa Pro Ser Gly
1 5 10 15

Leu Pro Gly Ala Pro Gly Thr Ala Leu His His Pro Pro Arg Glu Gly
20 25 30

Asp Ser Glu Ala Gln Xaa Gly Pro Xaa Pro Thr Glu Pro Thr Pro Pro
35 40 45

Tyr Ser Ser Xaa Leu Lys Asn Ile Xaa Gly
50 55

<210> 6229
<211> 231
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (179)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (216)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (218)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6229

```
Met Ser Tyr Cys Asp Glu Ser Arg Leu Ser Asn Leu Leu Arg Arg Ile
  1               5                  10                  15

Thr Arg Glu Xaa Asp Arg Asp Xaa Arg Leu Xaa Thr Val Lys Gln Leu
             20                  25                  30

Lys Glu Phe Ile Gln Gln Pro Glu Asn Lys Leu Val Leu Val Lys Gln
         35                  40                  45

Leu Asp Ile Leu Ala Ala Xaa His Asp Val Leu Asn Glu Ser Ser Lys
     50                  55                  60

Leu Leu Gln Glu Leu Arg Gln Glu Gly Ala Cys Cys Leu Gly Leu Leu
 65                  70                  75                  80

Cys Ala Ser Leu Ser Tyr Glu Ala Glu Lys Ile Phe Lys Trp Ile Phe
                 85                  90                  95
```

BNSDOCID: <WO__0122920A2_I_>

```
Ser Lys Phe Ser Ser Ser Ala Lys Asp Glu Val Lys Leu Leu Tyr Leu
            100                 105                 110

Cys Ala Thr Tyr Lys Ala Leu Glu Thr Val Gly Glu Lys Lys Ala Phe
        115                 120                 125

Ser Ser Val Met Gln Leu Val Met Thr Ser Leu Gln Ser Ile Leu Glu
    130                 135                 140

Asn Val Asp Thr Pro Glu Leu Leu Cys Lys Cys Val Lys Cys Ile Leu
145                 150                 155                 160

Leu Val Ala Arg Cys Tyr Pro His Ile Phe Ser Xaa Asn Phe Arg Asp
                165                 170                 175

Thr Val Xaa Ile Leu Val Gly Trp His Arg Asp His Thr Gln Lys Pro
            180                 185                 190

Ser Leu Thr Gln Gln Val Ser Gly Trp Leu Gln Ser Leu Glu Pro Phe
        195                 200                 205

Trp Val Ala Asp Leu Ala Phe Xaa Thr Xaa Leu Leu Gly Ser Val Ser
    210                 215                 220

Arg Arg His Gly Ser Ile Cys
225                 230
```

<210> 6230
<211> 305
<212> PRT
<213> Homo sapiens

<400> 6230

```
Asp Trp Val Ser Val Gly Gly Ala Trp Val Trp Arg Ala Gly Gln Gly
  1               5                  10                  15

Leu Leu Gly Leu Gly Asp Gly Asp Gly Ala Gly Ser Gln Arg Arg Gln
             20                  25                  30

Gly Leu Arg Ala Glu Glu Arg Thr Trp Ser Pro Gly Ser Arg Val Gly
         35                  40                  45

Asp Ala Ala Arg His Arg Cys Phe Leu Lys Val Ser Arg Leu Glu Ala
     50                  55                  60

Gln Leu Leu Leu Glu Arg Tyr Pro Glu Cys Gly Asn Leu Leu Leu Arg
 65                  70                  75                  80
```

BNSDOCID: <WO 0122920A2 I >

```
Pro Ser Gly Asp Gly Ala Asp Gly Val Ser Val Thr Thr Arg Gln Met
                85                  90                  95

His Asn Gly Thr His Val Val Arg His Tyr Lys Val Lys Arg Glu Gly
            100                 105                 110

Pro Lys Tyr Val Ile Asp Val Glu Gln Pro Phe Ser Cys Thr Ser Leu
        115                 120                 125

Asp Ala Val Val Asn Tyr Phe Val Ser His Thr Lys Lys Ala Leu Val
    130                 135                 140

Pro Phe Leu Leu Asp Glu Asp Tyr Glu Lys Val Leu Gly Tyr Val Glu
145                 150                 155                 160

Ala Asp Lys Glu Asn Gly Glu Asn Val Trp Val Ala Pro Ser Ala Pro
                165                 170                 175

Gly Pro Gly Pro Ala Pro Cys Thr Gly Gly Pro Lys Pro Leu Ser Pro
            180                 185                 190

Ala Ser Ser Gln Asp Lys Leu Pro Pro Leu Pro Pro Leu Pro Asn Gln
        195                 200                 205

Glu Glu Asn Tyr Val Thr Pro Ile Gly Asp Gly Pro Ala Val Asp Tyr
    210                 215                 220

Glu Asn Gln Asp Val Ala Ser Ser Ser Trp Pro Val Ile Leu Lys Pro
225                 230                 235                 240

Lys Lys Leu Pro Lys Pro Pro Ala Lys Leu Pro Lys Pro Pro Val Gly
                245                 250                 255

Pro Lys Pro Glu Pro Lys Val Phe Asn Gly Gly Leu Gly Arg Lys Leu
            260                 265                 270

Pro Val Ser Ser Ala Gln Pro Leu Phe Pro Thr Ala Gly Leu Ala Asp
        275                 280                 285

Met Thr Ala Glu Leu Gln Lys Lys Leu Glu Lys Arg Arg Ala Leu Glu
    290                 295                 300

His
305
```

<210> 6231
<211> 210
<212> PRT
<213> Homo sapiens

<400> 6231

```
Thr Met Ala Ser Met Gly Leu Gln Val Met Gly Ile Ala Leu Ala Val
  1               5                  10                  15

Leu Gly Trp Leu Ala Val Met Leu Cys Cys Ala Leu Pro Met Trp Arg
             20                  25                  30

Val Thr Ala Phe Ile Gly Ser Asn Ile Val Thr Ser Gln Thr Ile Trp
         35                  40                  45

Glu Gly Leu Trp Met Asn Cys Val Val Gln Ser Thr Gly Gln Met Gln
     50                  55                  60

Cys Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp Leu Gln Ala
 65                  70                  75                  80

Ala Arg Ala Leu Val Ile Ile Ser Ile Ile Val Ala Ala Leu Gly Val
                 85                  90                  95

Leu Leu Ser Val Val Gly Gly Lys Cys Thr Asn Cys Leu Glu Asp Glu
            100                 105                 110

Ser Ala Lys Ala Lys Thr Met Ile Val Ala Gly Val Val Phe Leu Leu
        115                 120                 125

Ala Gly Leu Met Val Ile Val Pro Val Ser Trp Thr Ala His Asn Ile
    130                 135                 140

Ile Gln Asp Phe Tyr Asn Pro Leu Val Ala Ser Gly Gln Lys Arg Glu
145                 150                 155                 160

Met Gly Ala Ser Leu Tyr Val Gly Trp Ala Ala Ser Gly Leu Leu Leu
                165                 170                 175

Leu Gly Gly Gly Leu Leu Cys Cys Asn Cys Pro Pro Arg Thr Asp Lys
            180                 185                 190

Pro Tyr Ser Ala Lys Tyr Ser Ala Ala Arg Ser Ala Ala Ala Ser Asn
        195                 200                 205

Tyr Val
    210
```

<210> 6232
<211> 88
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2 I_>

<400> 6232
Ser Phe Asn Pro Trp Pro Pro Pro Arg Asn Ser Asp Phe Ser Arg Glu
1 5 10 15

Glu Glu Ala Ala Gly Ala Val Gly Leu Gly Leu His Arg Ala Gly Arg
20 25 30

Ala Val Gly Lys Ala Gly Glu Leu Leu Cys Cys Trp Ala Ser Leu Trp
35 40 45

Pro Ser Leu Pro Thr Leu Arg Cys Met Lys Cys Met Tyr Arg Pro Glu
50 55 60

Met Phe Ile Gln Pro Ile Lys Met Glu Phe Pro Tyr Leu Ser Val Lys
65 70 75 80

Lys Lys Lys Lys Lys Lys Leu Glu
85

<210> 6233
<211> 33
<212> PRT
<213> Homo sapiens

<400> 6233
Asp Asn Lys Leu Ile Leu Asn Ala Ile Tyr Val Leu Ser Leu Leu Trp
1 5 10 15

His Leu Phe Arg Ser Cys Ser Asn His Cys Ser Arg Ala Leu Gln Ile
20 25 30

Lys

<210> 6234
<211> 63
<212> PRT
<213> Homo sapiens

<400> 6234
Leu Leu Leu Leu Leu Gly Met Ala Ala Arg Ile Val Glu Arg Arg Gly
1 5 10 15

Leu Glu Ser Trp Ser Asn Pro Gly Leu Lys Ser Gly Leu Val Ile Phe
20 25 30

Gln Leu Leu Ser Trp Val Ser Phe Ala Asn Phe Leu Ser Phe Ile Ser

BNSDOCID: <WO__0122920A2_I_>

35 40 45

Leu Ile Asn Thr Val Gly His Asn Ser Tyr Ser Cys Ile Glu Asn
50 55 60

<210> 6235
<211> 178
<212> PRT
<213> Homo sapiens

<400> 6235
Gln Leu Leu Asp Lys His Ser Ala Ala Gly Phe Ala Met Ala Ala Ile
1 5 10 15

Pro Pro Asp Ser Trp Gln Pro Pro Asn Val Tyr Leu Glu Thr Ser Met
20 25 30

Gly Ile Ile Val Leu Glu Leu Tyr Trp Lys His Ala Pro Lys Thr Cys
35 40 45

Lys Asn Phe Ala Glu Leu Ala Arg Arg Gly Tyr Tyr Asn Gly Thr Lys
50 55 60

Phe His Arg Ile Ile Lys Asp Phe Met Ile Gln Gly Gly Asp Pro Thr
65 70 75 80

Gly Thr Gly Arg Gly Gly Ala Ser Ile Tyr Gly Lys Gln Phe Glu Asp
85 90 95

Glu Leu His Pro Asp Leu Lys Phe Thr Gly Ala Gly Ile Leu Ala Met
100 105 110

Ala Asn Ala Gly Pro Asp Thr Asn Gly Ser Gln Phe Phe Val Thr Leu
115 120 125

Ala Pro Thr Gln Trp Leu Asp Gly Lys His Thr Ile Phe Gly Arg Val
130 135 140

Cys Gln Gly Ile Gly Met Val Asn Arg Val Gly Met Val Glu Thr Asn
145 150 155 160

Ser Gln Asp Arg Pro Val Asp Asp Val Lys Ile Ile Lys Ala Tyr Pro
165 170 175

Ser Gly

BNSDOCID: <WO_ _ 0122920A2 I_ >

<210> 6236
<211> 175
<212> PRT
<213> Homo sapiens

<400> 6236
Met Asp Val Lys Thr Leu Val Gln Gln Leu Tyr Thr Thr Leu Cys Ile
1 5 10 15

Glu Gln His Gln Leu Asn Lys Glu Arg Glu Leu Ile Glu Arg Leu Glu
20 25 30

Asp Leu Lys Glu Gln Leu Ala Pro Leu Glu Lys Val Arg Ile Glu Ile
35 40 45

Ser Arg Lys Ala Glu Lys Arg Thr Thr Leu Val Leu Trp Gly Gly Leu
50 55 60

Ala Tyr Met Ala Thr Gln Phe Gly Ile Leu Ala Arg Leu Thr Trp Trp
65 70 75 80

Glu Tyr Ser Trp Asp Ile Met Glu Pro Val Thr Tyr Phe Ile Thr Tyr
85 90 95

Gly Ser Ala Met Ala Met Tyr Ala Tyr Phe Val Met Thr Arg Gln Glu
100 105 110

Tyr Val Tyr Pro Glu Ala Arg Asp Arg Gln Tyr Leu Leu Phe Phe His
115 120 125

Lys Gly Ala Lys Lys Ser Arg Phe Asp Leu Glu Lys Tyr Asn Gln Leu
130 135 140

Lys Asp Ala Ile Ala Gln Ala Glu Met Asp Leu Lys Arg Leu Arg Asp
145 150 155 160

Pro Leu Gln Val His Leu Pro Leu Arg Gln Ile Gly Glu Lys Asp
165 170 175

<210> 6237
<211> 461
<212> PRT
<213> Homo sapiens

<400> 6237
Thr Arg Pro Lys Leu Cys Ala Gly Ile Met Ile Thr Ala Ser His Asn
1 5 10 15

Pro Lys Gln Asp Asn Gly Tyr Lys Val Tyr Trp Asp Asn Gly Ala Gln

```
                20                  25                  30

Ile Ile Ser Pro His Asp Lys Gly Ile Ser Gln Ala Ile Glu Glu Asn
            35                  40                  45

Leu Glu Pro Trp Pro Gln Ala Trp Asp Asp Ser Leu Ile Asp Ser Ser
        50                  55                  60

Pro Leu Leu His Asn Pro Ser Ala Ser Ile Asn Asn Asp Tyr Phe Glu
    65                  70                  75                  80

Asp Leu Lys Lys Tyr Cys Phe His Arg Ser Val Asn Arg Glu Thr Lys
                85                  90                  95

Val Lys Phe Val His Thr Ser Val His Gly Val Gly His Ser Phe Val
            100                 105                 110

Gln Ser Ala Phe Lys Ala Phe Asp Leu Val Pro Pro Glu Ala Val Pro
        115                 120                 125

Glu Gln Lys Asp Pro Asp Pro Glu Phe Pro Thr Val Lys Tyr Pro Asn
    130                 135                 140

Pro Glu Glu Gly Lys Gly Val Leu Thr Leu Ser Phe Ala Leu Ala Asp
145                 150                 155                 160

Lys Thr Lys Ala Arg Ile Val Leu Ala Asn Asp Pro Asp Ala Asp Arg
                165                 170                 175

Leu Ala Val Ala Glu Lys Gln Asp Ser Gly Glu Trp Arg Val Phe Ser
            180                 185                 190

Gly Asn Glu Leu Gly Ala Leu Leu Gly Trp Trp Leu Phe Thr Ser Trp
        195                 200                 205

Lys Glu Lys Asn Gln Asp Arg Ser Ala Leu Lys Asp Thr Tyr Met Leu
    210                 215                 220

Ser Ser Thr Val Ser Ser Lys Ile Leu Arg Ala Ile Ala Leu Lys Glu
225                 230                 235                 240

Gly Phe His Phe Glu Glu Thr Leu Thr Gly Phe Lys Trp Met Gly Asn
                245                 250                 255

Arg Ala Lys Gln Leu Ile Asp Gln Gly Lys Thr Val Leu Phe Ala Phe
            260                 265                 270

Glu Glu Ala Ile Gly Tyr Met Cys Cys Pro Phe Val Leu Asp Lys Asp
        275                 280                 285

Gly Val Ser Ala Ala Val Ile Ser Ala Glu Leu Ala Ser Phe Leu Ala
```

BNSDOCID: <WO__ 0122920A2 1 >

```
    290                 295                 300

Thr Lys Asn Leu Ser Leu Ser Gln Gln Leu Lys Ala Ile Tyr Val Glu
305                 310                 315                 320

Tyr Gly Tyr His Ile Thr Lys Ala Ser Tyr Phe Ile Cys His Asp Gln
                325                 330                 335

Glu Thr Ile Lys Lys Leu Phe Glu Asn Leu Arg Asn Tyr Asp Gly Lys
            340                 345                 350

Asn Asn Tyr Pro Lys Ala Cys Gly Lys Phe Glu Ile Ser Ala Ile Arg
        355                 360                 365

Asp Leu Thr Thr Gly Tyr Asp Asp Ser Gln Pro Asp Lys Lys Ala Val
    370                 375                 380

Leu Pro Thr Ser Lys Ser Ser Gln Met Ile Thr Phe Thr Phe Ala Asn
385                 390                 395                 400

Gly Gly Val Ala Thr Met Arg Thr Ser Gly Thr Glu Pro Lys Ile Lys
                405                 410                 415

Tyr Tyr Ala Glu Leu Cys Ala Pro Pro Gly Asn Ser Asp Pro Glu Gln
            420                 425                 430

Leu Lys Lys Glu Leu Asn Glu Leu Val Ser Ala Ile Glu Glu His Phe
        435                 440                 445

Phe Gln Pro Gln Lys Tyr Asn Leu Gln Pro Lys Ala Asp
    450                 455                 460
```

<210> 6238
<211> 925
<212> PRT
<213> Homo sapiens

<400> 6238

```
Ala Arg Gly Glu Ile Thr Gly Arg Cys Thr Ala Met Gly Pro Phe Lys
  1               5                  10                  15

Ser Ser Val Phe Ile Leu Ile Leu His Leu Leu Glu Gly Ala Leu Ser
             20                  25                  30

Asn Ser Leu Ile Gln Leu Asn Asn Asn Gly Tyr Glu Gly Ile Val Val
         35                  40                  45

Ala Ile Asp Pro Asn Val Pro Glu Asp Glu Thr Leu Ile Gln Gln Ile
     50                  55                  60
```

BNSDOCID: <WO_ _ 0122920A2_I_>

```
Lys Asp Met Val Thr Gln Ala Ser Leu Tyr Leu Phe Glu Ala Thr Gly
 65                  70                  75                  80

Lys Arg Phe Tyr Phe Lys Asn Val Ala Ile Leu Ile Pro Glu Thr Trp
                 85                  90                  95

Lys Thr Lys Ala Asp Tyr Val Arg Pro Lys Leu Glu Thr Tyr Lys Asn
            100                 105                 110

Ala Asp Val Leu Val Ala Glu Ser Thr Pro Pro Gly Asn Asp Glu Pro
        115                 120                 125

Tyr Thr Glu Gln Met Gly Asn Cys Gly Glu Lys Gly Glu Arg Ile His
    130                 135                 140

Leu Thr Pro Asp Phe Ile Ala Gly Lys Lys Leu Ala Glu Tyr Gly Pro
145                 150                 155                 160

Gln Gly Arg Ala Phe Val His Glu Trp Ala His Leu Arg Trp Gly Val
                165                 170                 175

Phe Asp Glu Tyr Asn Asn Asp Glu Lys Phe Tyr Leu Ser Asn Gly Arg
            180                 185                 190

Ile Gln Ala Val Arg Cys Ser Ala Gly Ile Thr Gly Thr Asn Val Val
        195                 200                 205

Lys Lys Cys Gln Gly Gly Ser Cys Tyr Thr Lys Arg Cys Thr Phe Asn
    210                 215                 220

Lys Val Thr Gly Leu Tyr Glu Lys Gly Cys Glu Phe Val Leu Gln Ser
225                 230                 235                 240

Arg Gln Thr Glu Lys Ala Ser Ile Met Phe Ala Gln His Val Asp Ser
                245                 250                 255

Ile Val Glu Phe Cys Thr Glu Gln Asn His Asn Lys Glu Ala Pro Asn
            260                 265                 270

Lys Gln Asn Gln Lys Cys Asn Leu Arg Ser Thr Trp Glu Val Ile Arg
        275                 280                 285

Asp Ser Glu Asp Phe Lys Lys Thr Thr Pro Met Thr Thr Gln Pro Pro
    290                 295                 300

Asn Pro Thr Phe Ser Leu Leu Gln Ile Gly Gln Arg Ile Val Cys Leu
305                 310                 315                 320

Val Leu Asp Lys Ser Gly Ser Met Ala Thr Gly Asn Arg Leu Asn Arg
                325                 330                 335
```

```
Leu Asn Gln Ala Gly Gln Leu Phe Leu Leu Gln Thr Val Glu Leu Gly
            340                 345                 350

Ser Trp Val Gly Met Val Thr Phe Asp Ser Ala Ala His Val Gln Ser
        355                 360                 365

Glu Leu Ile Gln Ile Asn Ser Gly Ser Asp Arg Asp Thr Leu Ala Lys
    370                 375                 380

Arg Leu Pro Ala Ala Ala Ser Gly Gly Thr Ser Ile Cys Ser Gly Leu
385                 390                 395                 400

Arg Ser Ala Phe Thr Val Ile Arg Lys Lys Tyr Pro Thr Asp Gly Ser
                405                 410                 415

Glu Ile Val Leu Leu Thr Asp Gly Glu Asp Asn Thr Ile Ser Gly Cys
            420                 425                 430

Phe Asn Glu Val Lys Gln Ser Gly Ala Ile Ile His Thr Val Ala Leu
        435                 440                 445

Gly Pro Ser Ala Ala Gln Glu Leu Glu Glu Leu Ser Lys Met Thr Gly
    450                 455                 460

Gly Leu Gln Thr Tyr Ala Ser Asp Gln Val Gln Asn Asn Gly Leu Ile
465                 470                 475                 480

Asp Ala Phe Gly Ala Leu Ser Ser Gly Asn Gly Ala Val Ser Gln Arg
                485                 490                 495

Ser Ile Gln Leu Glu Ser Lys Gly Leu Thr Leu Gln Asn Ser Gln Trp
            500                 505                 510

Met Asn Gly Thr Val Ile Val Asp Ser Thr Val Gly Lys Asp Thr Leu
        515                 520                 525

Phe Leu Ile Thr Trp Thr Thr Gln Pro Pro Gln Ile Leu Leu Trp Asp
    530                 535                 540

Pro Ser Gly Gln Lys Gln Gly Gly Phe Val Val Asp Lys Asn Thr Lys
545                 550                 555                 560

Met Ala Tyr Leu Gln Ile Pro Gly Ile Ala Lys Val Gly Thr Trp Lys
                565                 570                 575

Tyr Ser Leu Gln Ala Ser Ser Gln Thr Leu Thr Leu Thr Val Thr Ser
            580                 585                 590

Arg Ala Ser Asn Ala Thr Leu Pro Pro Ile Thr Val Thr Ser Lys Thr
        595                 600                 605
```

BNSDOCID: <WO___0122920A2_I_>

```
Asn Lys Asp Thr Ser Lys Phe Pro Ser Pro Leu Val Val Tyr Ala Asn
    610                 615                 620

Ile Arg Gln Gly Ala Ser Pro Ile Leu Arg Ala Ser Val Thr Ala Leu
625                 630                 635                 640

Ile Glu Ser Val Asn Gly Lys Thr Val Thr Leu Glu Leu Leu Asp Asn
                645                 650                 655

Gly Ala Gly Ala Asp Ala Thr Lys Asp Asp Gly Val Tyr Ser Arg Tyr
            660                 665                 670

Phe Thr Thr Tyr Asp Thr Asn Gly Arg Tyr Ser Val Lys Val Arg Ala
        675                 680                 685

Leu Gly Gly Val Asn Ala Ala Arg Arg Arg Val Ile Pro Gln Gln Ser
    690                 695                 700

Gly Ala Leu Tyr Ile Pro Gly Trp Ile Glu Asn Asp Glu Ile Gln Trp
705                 710                 715                 720

Asn Pro Pro Arg Pro Glu Ile Asn Lys Asp Asp Val Gln His Lys Gln
                725                 730                 735

Val Cys Phe Ser Arg Thr Ser Ser Gly Gly Ser Phe Val Ala Ser Asp
            740                 745                 750

Val Pro Asn Ala Pro Ile Pro Asp Leu Phe Pro Pro Gly Gln Ile Thr
        755                 760                 765

Asp Leu Lys Ala Glu Ile His Gly Gly Ser Leu Ile Asn Leu Thr Trp
    770                 775                 780

Thr Ala Pro Gly Asp Asp Tyr Asp His Gly Thr Ala His Lys Tyr Ile
785                 790                 795                 800

Ile Arg Ile Ser Thr Ser Ile Leu Asp Leu Arg Asp Lys Phe Asn Glu
                805                 810                 815

Ser Leu Gln Val Asn Thr Thr Ala Leu Ile Pro Lys Glu Ala Asn Ser
            820                 825                 830

Glu Glu Val Phe Leu Phe Lys Pro Glu Asn Ile Thr Phe Glu Asn Gly
        835                 840                 845

Thr Asp Leu Phe Ile Ala Ile Gln Ala Val Asp Lys Val Asp Leu Lys
    850                 855                 860

Ser Glu Ile Ser Asn Ile Ala Arg Val Ser Leu Phe Ile Pro Pro Gln
865                 870                 875                 880
```

BNSDOCID: <WO 0122920A2 I >

Thr Pro Pro Glu Thr Pro Ser Pro Asp Glu Thr Ser Ala Pro Cys Pro
885 890 895

Asn Ile His Ile Asn Ser Thr Ile Pro Gly Ile His Ile Leu Lys Ile
900 905 910

Met Trp Lys Trp Ile Gly Glu Leu Gln Leu Ser Ile Ala
915 920 925

<210> 6239
<211> 311
<212> PRT
<213> Homo sapiens

<400> 6239
Val Leu Lys Phe Leu Leu Leu Gln Thr Met Asp Glu Gln Ser Gln Gly
1 5 10 15

Met Gln Gly Pro Pro Val Pro Gln Phe Gln Pro Gln Lys Ala Leu Arg
20 25 30

Pro Asp Met Gly Tyr Asn Thr Leu Ala Asn Phe Arg Ile Glu Lys Lys
35 40 45

Ile Gly Arg Gly Gln Phe Ser Glu Val Tyr Arg Ala Ala Cys Leu Leu
50 55 60

Asp Gly Val Pro Val Ala Leu Lys Lys Val Gln Ile Phe Asp Leu Met
65 70 75 80

Asp Ala Lys Ala Arg Ala Asp Cys Ile Lys Glu Ile Asp Leu Leu Lys
85 90 95

Gln Leu Asn His Pro Asn Val Ile Lys Tyr Tyr Ala Ser Phe Ile Glu
100 105 110

Asp Asn Glu Leu Asn Ile Val Leu Glu Leu Ala Asp Ala Gly Asp Leu
115 120 125

Ser Arg Met Ile Lys His Phe Lys Lys Gln Lys Arg Leu Ile Pro Glu
130 135 140

Arg Thr Val Trp Lys Tyr Phe Val Gln Leu Cys Ser Ala Leu Glu His
145 150 155 160

Met His Ser Arg Arg Val Met His Arg Asp Ile Lys Pro Ala Asn Val
165 170 175

```
Phe Ile Thr Ala Thr Gly Val Val Lys Leu Gly Asp Leu Gly Leu Gly
            180                 185                 190

Arg Phe Phe Ser Ser Lys Thr Thr Ala Ala His Ser Leu Val Gly Thr
        195                 200                 205

Pro Tyr Tyr Met Ser Pro Glu Arg Ile His Glu Asn Gly Tyr Asn Phe
    210                 215                 220

Lys Ser Asp Ile Trp Ser Leu Gly Cys Leu Leu Tyr Glu Met Ala Ala
225                 230                 235                 240

Leu Gln Ser Pro Phe Tyr Gly Asp Lys Met Asn Leu Tyr Ser Leu Cys
                245                 250                 255

Lys Lys Ile Glu Gln Cys Asp Tyr Pro Pro Leu Pro Ser Asp His Tyr
            260                 265                 270

Ser Glu Glu Leu Arg Gln Leu Val Asn Met Cys Ile Asn Pro Asp Pro
        275                 280                 285

Glu Lys Arg Pro Asp Val Thr Tyr Val Tyr Asp Val Ala Lys Arg Met
    290                 295                 300

His Ala Cys Thr Ala Ser Ser
305                 310
```

<210> 6240
<211> 258
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (220)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (248)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (254)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (258)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6240

```
Gly Gly His Leu Leu Pro Gly Pro Ala Ala Val His Cys Ala Ser Xaa
  1               5                  10                  15

Val Leu Leu His Pro Pro Pro Ala Asp Leu Cys Trp Tyr Cys Arg Asp
             20                  25                  30

Trp Phe Leu Lys Gly Asn Leu Leu Ile Ile Ile Val Ser Val Leu Ile
         35                  40                  45

Ile Leu Pro Leu Ala Leu Met Lys His Leu Gly Tyr Leu Gly Tyr Thr
     50                  55                  60

Ser Gly Leu Ser Leu Thr Cys Met Leu Phe Phe Leu Val Ser Val Ile
 65                  70                  75                  80

Tyr Lys Lys Phe Gln Leu Gly Cys Ala Ile Gly His Asn Glu Thr Ala
                 85                  90                  95

Met Glu Ser Glu Ala Leu Val Gly Leu Pro Ser Gln Gly Leu Asn Ser
            100                 105                 110

Ser Cys Glu Ala Gln Met Phe Thr Val Asp Ser Gln Met Ser Tyr Thr
        115                 120                 125

Val Pro Ile Met Ala Phe Ala Phe Val Cys His Pro Glu Val Leu Pro
    130                 135                 140

Ile Tyr Thr Glu Leu Cys Arg Ser Thr Thr Ser Thr Pro Gln Ala Leu
145                 150                 155                 160

Gln Ala Gln Asp Ala Gly Arg Gly Gln Arg Val His Trp Gly His Val
                165                 170                 175

Leu His Val Trp Ala His Ser Asn Leu Trp Ile Pro His Leu Leu Gln
            180                 185                 190

Gln Cys Glu Gly Gly Asp Ala Ala His Val Gln Pro Glu Gly Pro Ala
        195                 200                 205

His Pro Leu Cys Ala Pro Gly Arg Ala Ala Ser Xaa Val Thr Pro His
    210                 215                 220
```

Cys Ala Ser Arg Ala Gly Ser Tyr Pro Pro Gly Pro Gly Ser Asn Cys
225 230 235 240

Phe Ser Gln Ala Arg Ala Phe Xaa Leu Ala Thr Thr Leu Xaa Ala Ile
245 250 255

Ser Xaa

<210> 6241
<211> 149
<212> PRT
<213> Homo sapiens

<400> 6241
Val His Leu Leu Leu Phe Ser Arg Pro Tyr Asp Gly Lys Trp Ser Lys
1 5 10 15

Thr Met Val Gly Phe Gly Pro Glu Asp Asp His Phe Val Ala Glu Leu
20 25 30

Thr Tyr Asn Tyr Gly Val Gly Asp Tyr Lys Leu Gly Asn Asp Phe Met
35 40 45

Gly Ile Thr Leu Ala Ser Ser Gln Ala Val Ser Asn Ala Arg Lys Leu
50 55 60

Glu Trp Pro Leu Thr Glu Val Ala Glu Gly Val Phe Glu Thr Glu Ala
65 70 75 80

Pro Gly Gly Tyr Lys Phe Tyr Leu Gln Asn Arg Ser Leu Pro Gln Ser
85 90 95

Asp Pro Val Leu Lys Val Thr Leu Ala Val Ser Asp Leu Gln Lys Ser
100 105 110

Leu Asn Tyr Trp Cys Asn Leu Leu Gly Met Lys Ile Tyr Glu Lys Asp
115 120 125

Glu Glu Lys Gln Arg Ala Leu Leu Gly Tyr Ala Asp Asn Gln Val Ser
130 135 140

Asn Leu Gly Glu Glu
145

<210> 6242
<211> 126

BNSDOCID: <WO _ 0122920A2 I >

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6242
Leu Ser Leu Arg Thr Arg Glu Thr Pro Ala Pro Pro Arg Cys Glu Ala
1 5 10 15

Ala Ser Gln Gly Arg Val Gly Trp Arg Ala Asp Ala Ala Ala Glu Glu
20 25 30

Ala Val Arg Ser Val Trp Asn Arg Thr Arg Asp Arg Gly Thr Met Ala
35 40 45

Pro Gln Asn Leu Ser Thr Phe Cys Leu Leu Leu Leu Tyr Leu Ile Gly
50 55 60

Ala Val Ile Ala Gly Arg Asp Phe Tyr Lys Ile Leu Gly Val Pro Arg
65 70 75 80

Ser Ala Ser Ile Lys Asp Ile Lys Lys Ala Tyr Arg Lys Leu Ala Leu
85 90 95

Gln Leu His Pro Asp Arg Asn Pro Asp Asp Pro Gln Ala Gln Glu Lys
100 105 110

Phe Gln Asp Leu Gly Ala Ala Tyr Glu Val Leu Val Arg Xaa
115 120 125

<210> 6243
<211> 384
<212> PRT
<213> Homo sapiens

<400> 6243
Gly Ile Leu Ala His Ser Leu Ser Pro Thr Leu Leu Ser His Arg Cys
1 5 10 15

Gln Glu Glu Cys Pro Phe Gly Ser Phe Gly Phe Gln Cys Ser Gln Arg
20 25 30

Cys Asp Cys His Asn Gly Gly Gln Cys Ser Pro Thr Thr Gly Ala Cys
35 40 45

Glu Cys Glu Pro Gly Tyr Lys Gly Pro Arg Cys Gln Glu Arg Leu Cys

```
     50                  55                  60

Pro Glu Gly Leu His Gly Pro Gly Cys Thr Leu Pro Cys Pro Cys Asp
 65                  70                  75                  80

Ala Asp Asn Thr Ile Ser Cys His Pro Val Thr Gly Ala Cys Thr Cys
                 85                  90                  95

Gln Pro Gly Trp Ser Gly His His Cys Asn Glu Ser Cys Pro Val Gly
            100                 105                 110

Tyr Tyr Gly Asp Gly Cys Gln Leu Pro Cys Thr Cys Gln Asn Gly Ala
        115                 120                 125

Asp Cys His Ser Ile Thr Gly Gly Cys Thr Cys Ala Pro Gly Phe Met
    130                 135                 140

Gly Glu Val Cys Ala Val Ser Cys Ala Ala Gly Thr Tyr Gly Pro Asn
145                 150                 155                 160

Cys Ser Ser Ile Cys Ser Cys Asn Asn Gly Gly Thr Cys Ser Pro Val
                165                 170                 175

Asp Gly Ser Cys Thr Cys Lys Glu Gly Trp Gln Gly Leu Asp Cys Thr
            180                 185                 190

Leu Pro Cys Pro Ser Gly Thr Trp Gly Leu Asn Cys Asn Glu Ser Cys
        195                 200                 205

Thr Cys Ala Asn Gly Ala Ala Cys Ser Pro Ile Asp Gly Ser Cys Ser
    210                 215                 220

Cys Thr Pro Gly Trp Leu Gly Asp Thr Cys Glu Leu Pro Cys Pro Asp
225                 230                 235                 240

Gly Thr Phe Gly Leu Asn Cys Ser Glu His Cys Asp Cys Ser His Ala
                245                 250                 255

Asp Gly Cys Asp Pro Val Thr Gly His Cys Cys Cys Leu Ala Gly Trp
            260                 265                 270

Thr Gly Ile Arg Cys Asp Ser Thr Cys Pro Pro Gly Arg Trp Gly Pro
        275                 280                 285

Asn Cys Ser Val Ser Cys Ser Cys Glu Asn Gly Gly Ser Cys Ser Pro
    290                 295                 300

Glu Asp Gly Ser Cys Glu Cys Ala Pro Gly Phe Arg Gly Pro Leu Cys
305                 310                 315                 320

Gln Arg Ile Cys Pro Pro Gly Phe Tyr Gly His Gly Cys Ala Gln Pro
```

325 330 335

Cys Pro Leu Cys Val His Ser Ser Arg Pro Cys His His Ile Ser Gly
340 345 350

Ile Cys Glu Cys Leu Pro Gly Phe Ser Gly Ala Leu Cys Asn Gln Ala
355 360 365

Ser Lys Trp Gln Lys Gln Ile Leu Ile Pro Thr Cys Met Leu Lys Gly
370 375 380

<210> 6244
<211> 159
<212> PRT
<213> Homo sapiens

<400> 6244
Ile His Met Ala Leu Leu Arg Lys Ile Asn Gln Val Leu Leu Phe Leu
1 5 10 15

Leu Ile Val Thr Leu Cys Val Ile Leu Tyr Lys Lys Val His Lys Gly
20 25 30

Thr Val Pro Lys Asn Asp Ala Asp Asp Glu Ser Glu Thr Pro Glu Glu
35 40 45

Leu Glu Glu Glu Ile Pro Val Val Ile Cys Ala Ala Ala Gly Arg Met
50 55 60

Gly Ala Thr Met Ala Ala Ile Asn Ser Ile Tyr Ser Asn Thr Asp Ala
65 70 75 80

Asn Ile Leu Phe Tyr Val Val Gly Leu Arg Asn Thr Leu Thr Arg Ile
85 90 95

Arg Lys Trp Ile Glu His Ser Lys Leu Arg Glu Ile Asn Phe Lys Ile
100 105 110

Val Glu Phe Asn Pro Met Val Leu Lys Gly Lys Ile Arg Pro Asp Ser
115 120 125

Ser Arg Pro Glu Leu Leu Gln Pro Leu Asn Phe Val Arg Phe Tyr Leu
130 135 140

Pro Leu Leu Ile His Gln His Glu Glu Ser His Leu Phe Gly Arg
145 150 155

BNSDOCID: <WO_ 0122920A2 I >

<210> 6245
<211> 27
<212> PRT
<213> Homo sapiens

<400> 6245
Arg Gln Pro Lys Cys Pro Ser Thr Asp Glu Trp Ile Gln Lys Met Trp
1 5 10 15

Tyr Val Tyr Thr Met Gly Thr Ser Gln Pro Gly
20 25

<210> 6246
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6246
Asp Leu Met Ile Leu Asn Thr Gly Val Ser Pro Ala Gln Ala Leu Ser
1 5 10 15

Leu Pro Ala Ala Ser His Val Arg His Asp Leu Leu Leu Leu Ala Phe
20 25 30

His His Asp Cys Glu Ala Phe Pro Ala Thr Trp Asn Cys Lys Ser Ile
35 40 45

Lys Pro Leu Phe Phe Tyr Lys Trp Pro Ser Leu Lys Tyr Xaa Phe Ile
50 55 60

Asn Ser Val Lys Trp Thr Ser Thr Val Asn Trp Tyr Gln
65 70 75

<210> 6247
<211> 251
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO_ 0122920A2_I_>

<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6247

```
Xaa Leu Val Leu Xaa Ser Tyr Leu Gly Asp Thr Ile Glu Gly Thr Pro
  1               5                  10                  15

Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Glu Gly
             20                  25                  30

Ser Arg Gly Cys Gly Lys Gln His Ile Ser Asp Ser Ser Trp Leu Leu
         35                  40                  45

Asp Ser Ala Gly Arg Glu Gly Arg Leu Val Ala Met Ser Gln Gln Lys
     50                  55                  60

Cys Ile Val Ile Phe Ala Leu Val Cys Cys Phe Ala Ile Leu Val Ala
 65                  70                  75                  80

Leu Ile Phe Ser Ala Val Asp Ile Met Gly Glu Asp Glu Asp Gly Leu
                 85                  90                  95

Ser Glu Lys Asn Cys Gln Asn Lys Cys Arg Ile Ala Leu Val Glu Asn
            100                 105                 110

Ile Pro Glu Gly Leu Asn Tyr Ser Glu Asn Ala Pro Phe His Leu Ser
        115                 120                 125

Leu Phe Gln Gly Trp Met Asn Leu Leu Asn Met Ala Lys Lys Ser Val
    130                 135                 140

Asp Ile Val Ser Ser His Trp Asp Leu Asn His Thr His Pro Ser Ala
145                 150                 155                 160

Cys Gln Gly Gln Arg Leu Phe Glu Lys Leu Leu Gln Leu Thr Ser Gln
                165                 170                 175

Asn Ile Glu Ile Lys Leu Val Ser Asp Val Thr Ala Asp Ser Lys Val
            180                 185                 190

Leu Glu Ala Leu Lys Leu Lys Gly Ala Glu Val Thr Tyr Met Asn Met
        195                 200                 205

Thr Ala Tyr Asn Lys Gly Arg Leu Gln Ser Ser Phe Trp Ile Val Asp
    210                 215                 220
```

```
Lys Gln His Val Tyr Ile Gly Ser Ala Gly Leu Asp Trp Gln Ser Leu
225                 230                 235                 240

Gly Gln Val His Ile Leu Leu Tyr Ser Cys Lys
                245                 250
```

<210> 6248
<211> 137
<212> PRT
<213> Homo sapiens

<400> 6248

```
Lys Gly Val Thr Glu Phe Gln Gln Phe Ser Asp Phe Tyr Ile Leu Phe
  1               5                  10                  15

Leu Phe Leu Ser Asn Pro Cys Leu Leu Ser Pro Gly Gly Lys Tyr Ile
             20                  25                  30

Phe Phe Asn Val Phe Pro Ala Phe Leu Pro Lys Cys Val Phe Phe Phe
         35                  40                  45

Gly Leu Leu Tyr Pro Ala Ser Ser Ala Val Pro Gly Ile Gly Pro Ser
     50                  55                  60

Leu Gln Lys Pro Phe Gln Glu Tyr Leu Glu Ala Gln Arg Gln Lys Leu
 65                  70                  75                  80

His His Lys Ser Glu Met Gly Thr Pro Gln Gly Glu Asn Trp Leu Ser
                85                  90                  95

Trp Met Phe Glu Lys Leu Val Val Val Met Val Cys Tyr Phe Ile Leu
            100                 105                 110

Ser Ile Ile Asn Ser Met Ala Gln Ser Tyr Ala Lys Arg Ile Gln Gln
        115                 120                 125

Arg Leu Asn Ser Glu Glu Lys Thr Lys
    130                 135
```

<210> 6249
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO_ 0122920A2_I >

<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6249
Ala Xaa Ser Trp Ala Ala Leu His Ser Gln Val Phe Pro Ala Leu Thr
1 5 10 15

Pro Lys Arg Trp Thr Gln Val Arg Arg Gly Thr Ala Thr Val Gly Gly
20 25 30

Met Ala Ile Leu Gln Val Thr Ala Gly His Pro Leu Ala Met Ala Gln
35 40 45

Gly Pro Ala Gly His Pro Pro Thr Met Val Gln Gly Pro Ala Gly His
50 55 60

Pro Leu Ala Met Ala Gln Gly Pro Ala Gly His Pro Pro Thr Met Val
65 70 75 80

Gln Gly Pro Ala Gly Leu Pro Leu Ala Met Ala Gln Val Thr His Pro
85 90 95

Leu Val His Ile Thr Glu Glu Val Glu Glu Asn Arg Thr Gln Asp Gly
100 105 110

Lys Pro Glu Arg Ile Ala Gln Leu Thr Trp Asn Glu Ala
115 120 125

<210> 6250
<211> 289
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (225)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (228)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (229)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6250

```
Gly Glu Glu Gln Pro Leu Ala Ala Ala Pro Thr Glu Cys Leu Glu Gln
 1               5                  10                  15

Val Ile Gly Gly Ala Gly Asp Pro Gly Thr Trp Ala Ser Phe Pro Ser
            20                  25                  30

Pro Leu Pro Gly Pro Ala Pro Leu Lys Gly Gly Lys Thr Met Ala Thr
        35                  40                  45

Asn Phe Ser Asp Ile Val Lys Gln Gly Tyr Val Lys Met Lys Ser Arg
    50                  55                  60

Lys Leu Gly Ile Tyr Arg Arg Cys Trp Leu Val Phe Arg Lys Ser Ser
65                  70                  75                  80

Ser Lys Gly Pro Gln Arg Leu Glu Lys Tyr Pro Asp Glu Lys Ser Val
                85                  90                  95

Cys Leu Arg Gly Cys Pro Lys Val Thr Glu Ile Ser Asn Val Lys Cys
            100                 105                 110

Val Thr Arg Leu Pro Lys Glu Thr Lys Arg Gln Ala Val Ala Ile Ile
        115                 120                 125

Phe Thr Asp Asp Ser Ala Arg Thr Phe Thr Cys Asp Ser Glu Leu Glu
    130                 135                 140

Ala Glu Glu Trp Tyr Lys Thr Leu Ser Val Glu Cys Leu Gly Ser Arg
145                 150                 155                 160

Leu Asn Asp Ile Ser Leu Gly Glu Pro Asp Leu Leu Ala Pro Gly Val
                165                 170                 175

Gln Cys Glu Gln Thr Asp Arg Phe Asn Val Phe Leu Leu Pro Cys Pro
            180                 185                 190

Asn Leu Asp Val Tyr Gly Glu Cys Lys Leu Gln Ile Thr His Glu Asn
        195                 200                 205

Ile Tyr Leu Trp Asp Ile His Asn Pro Arg Val Lys Leu Val Ser Trp
    210                 215                 220

Xaa Leu Cys Xaa Xaa Arg Arg Tyr Gly Arg Asp Ala Thr Arg Phe Thr
225                 230                 235                 240

Phe Glu Ala Gly Arg Met Cys Asp Ala Gly Glu Gly Leu Tyr Thr Phe
                245                 250                 255

Gln Thr Gln Glu Gly Glu Gln Ile Tyr Gln Arg Val His Ser Ala Thr
            260                 265                 270
```

BNSDOCID: <WO 0122920A2 I_>

Leu Ala Ile Ala Glu Gln His Lys Arg Val Leu Leu Glu Met Glu Lys
275 280 285

Thr

<210> 6251
<211> 147
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6251
Arg Xaa Gln Ala Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg
1 5 10 15

Phe Asn Gln Thr Ala Gln Thr Cys Met Glu Ala Ala Ser Asp Arg Leu
20 25 30

Gly Leu Gly Gln Arg Arg Ser Lys Thr Met Val Gly Lys Met Trp Pro
35 40 45

Val Leu Trp Thr Leu Cys Ala Val Arg Val Thr Val Asp Ala Ile Ser
50 55 60

Val Glu Thr Pro Gln Asp Val Leu Arg Ala Ser Gln Gly Lys Ser Val
65 70 75 80

Thr Leu Pro Cys Thr Tyr His Thr Ser Thr Ser Ser Arg Glu Gly Leu
85 90 95

Ile Gln Trp Asp Lys Leu Leu Leu Thr His Thr Glu Arg Val Val Ile
100 105 110

Trp Pro Phe Ser Asn Lys Asn Tyr Ile His Gly Glu Leu Tyr Lys Asn
115 120 125

Arg Val Ser Ile Ser Asn Asn Ala Glu Gln Ser Asp Ala Ser Ser Pro
130 135 140

Leu Ile Ser
145

<210> 6252
<211> 179
<212> PRT
<213> Homo sapiens

<400> 6252
Pro Arg Gly Thr Ser Arg Arg Ser Ala Trp Pro Lys Met Ala Ala Ser
1 5 10 15

Val Cys Ser Gly Leu Leu Gly Pro Arg Val Leu Ser Trp Ser Arg Glu
20 25 30

Leu Pro Cys Ala Trp Arg Ala Leu His Thr Ser Pro Val Cys Ala Lys
35 40 45

Asn Arg Ala Ala Arg Val Arg Val Ser Lys Gly Asp Lys Pro Val Thr
50 55 60

Tyr Glu Glu Ala His Ala Pro His Tyr Ile Ala His Arg Lys Gly Trp
65 70 75 80

Leu Ser Leu His Thr Gly Asn Leu Asp Gly Glu Asp His Ala Ala Glu
85 90 95

Arg Thr Val Glu Asp Val Phe Leu Arg Lys Phe Met Trp Gly Thr Phe
100 105 110

Pro Gly Cys Leu Ala Asp Gln Leu Val Leu Lys Arg Arg Gly Asn Gln
115 120 125

Leu Glu Ile Cys Ala Val Val Leu Arg Gln Leu Ser Pro His Lys Tyr
130 135 140

Tyr Phe Leu Val Gly Tyr Ser Glu Thr Leu Leu Ser Tyr Phe Tyr Lys
145 150 155 160

Cys Pro Val Arg Leu His Leu Gln Thr Val Pro Ser Lys Val Val Tyr
165 170 175

Lys Tyr Leu

<210> 6253
<211> 288
<212> PRT
<213> Homo sapiens

<400> 6253
Glu Ile Arg Val Ser Cys Thr Ala Gly Ala Gly Phe Pro Ala Ala Gln

5476

```
1               5                  10                  15

Ala Arg Val Arg Cys Leu Cys His Leu Ile Leu Met Ser Gly Glu Ile
            20                  25                  30

Ala Met Cys Glu Pro Glu Phe Gly Asn Asp Lys Ala Arg Glu Pro Ser
        35                  40                  45

Val Gly Gly Arg Trp Arg Val Ser Trp Tyr Glu Arg Phe Val Gln Pro
    50                  55                  60

Cys Leu Val Glu Leu Leu Gly Ser Ala Leu Phe Ile Phe Ile Gly Cys
65                  70                  75                  80

Leu Ser Val Ile Glu Asn Gly Thr Asp Thr Gly Leu Leu Gln Pro Ala
                85                  90                  95

Leu Ala His Gly Leu Ala Leu Gly Leu Val Ile Ala Thr Leu Gly Asn
            100                 105                 110

Ile Ser Gly Gly His Phe Asn Pro Ala Val Ser Leu Ala Ala Met Leu
        115                 120                 125

Ile Gly Gly Leu Asn Leu Val Met Leu Leu Pro Tyr Trp Val Ser Gln
    130                 135                 140

Leu Leu Gly Gly Met Leu Gly Ala Ala Leu Ala Lys Ala Val Ser Pro
145                 150                 155                 160

Glu Glu Arg Phe Trp Asn Ala Ser Gly Ala Ala Phe Val Thr Val Gln
                165                 170                 175

Glu Gln Gly Gln Val Ala Gly Ala Leu Val Ala Glu Ile Ile Leu Thr
            180                 185                 190

Thr Leu Leu Ala Leu Ala Val Cys Met Gly Ala Ile Asn Glu Lys Thr
        195                 200                 205

Lys Gly Pro Leu Ala Pro Phe Ser Ile Gly Phe Ala Val Thr Val Asp
    210                 215                 220

Ile Leu Ala Gly Gly Pro Val Ser Gly Gly Cys Met Asn Pro Ala Arg
225                 230                 235                 240

Ala Phe Gly Pro Ala Val Val Ala Asn His Trp Asn Phe His Trp Ile
                245                 250                 255

Tyr Trp Leu Gly Pro Leu Leu Ala Gly Leu Leu Val Gly Leu Leu Ile
            260                 265                 270

Arg Cys Phe Ile Gly Asp Gly Lys Thr Arg Leu Ile Leu Lys Ala Gln
```

BNSDOCID: <WO__ 0122920A2_I_>

275 280 285

<210> 6254
<211> 165
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6254
Gly Val Thr Arg Pro Thr Arg Ala Pro Arg Phe Ala Ser Ala Ala Ser
1 5 10 15

Trp Pro Lys Gly Gly Asp Arg Gly Gly Trp Arg Gly Ala Ala Arg Thr
20 25 30

Arg Ser Pro Gly Ala Gly Pro Val Arg Thr Ala Arg Glu Gly Arg Ser
35 40 45

Val Gly Arg Ser Arg Pro Arg Asp Ser Ile Ser Ala Arg Ser Asp Asn
50 55 60

Ser Pro Phe Pro Trp Arg Ser Leu Arg Ala Trp His Pro Ala Gly Arg
65 70 75 80

Leu Lys Thr Val Val Ser Ser Ile Ala Ser Leu Asp Leu Ala Thr Ile
85 90 95

Ser Glu Met Ser Ser Arg Ser Thr Lys Asp Leu Ile Lys Ser Lys Trp
100 105 110

Gly Ser Lys Pro Ser Asn Ser Lys Ser Glu Thr Thr Leu Glu Lys Leu
115 120 125

Lys Gly Glu Ile Ala His Leu Lys Thr Ser Val Asp Glu Ile Thr Ser
130 135 140

Gly Lys Gly Lys Leu Thr Asp Lys Glu Arg Gln Arg Phe Xaa Glu Lys
145 150 155 160

Ile Arg Val Leu Glu
165

<210> 6255
<211> 189
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6255

```
Ser Thr Gly Pro Cys Pro Ser His Gly Gln Arg Phe Glu Ser Trp Leu
  1               5                  10                  15

Ser Cys Thr Cys Val Trp Pro Lys Ala Lys Cys Ala Leu Leu Arg Asp
             20                  25                  30

Asp Leu Val Leu Val Asp Ser Pro Gly Thr Asp Val Thr Thr Glu Leu
         35                  40                  45

Asp Ser Trp Ile Asp Lys Phe Cys Leu Asp Ala Asp Val Phe Val Leu
     50                  55                  60

Val Ala Asn Ser Glu Ser Thr Leu Met Asn Thr Glu Lys His Phe Phe
 65                  70                  75                  80

His Lys Val Asn Glu Arg Leu Ser Lys Pro Asn Ile Phe Ile Leu Asn
                 85                  90                  95

Asn Arg Trp Asp Ala Ser Ala Ser Glu Pro Glu Tyr Met Glu Asp Val
            100                 105                 110

Arg Arg Gln His Met Glu Arg Cys Leu His Phe Leu Val Glu Glu Leu
        115                 120                 125

Lys Val Val Asn Ala Leu Glu Ala Xaa Asn Arg Ile Phe Phe Val Ser
    130                 135                 140

Ala Lys Glu Val Leu Ser Ala Arg Lys Gln Lys Ala Gln Gly Met Pro
145                 150                 155                 160

Glu Ser Gly Val Ala Leu Ala Glu Gly Phe His Ala Arg Leu Gln Glu
                165                 170                 175

Phe Gln Asn Phe Glu Gln Ile Phe Glu Val Gly Ile Leu
            180                 185
```

BNSDOCID: <WO__ 0122920A2 I >

<210> 6256
<211> 337
<212> PRT
<213> Homo sapiens

<400> 6256

```
Arg Pro Asp Leu Ala Thr Met Arg Ala Leu Leu Ala Arg Leu Leu Leu
  1               5                  10                  15

Cys Val Leu Val Val Ser Asp Ser Lys Gly Ser Asn Glu Leu His Gln
             20                  25                  30

Val Pro Ser Asn Cys Asp Cys Leu Asn Gly Gly Thr Cys Val Ser Asn
         35                  40                  45

Lys Tyr Phe Ser Asn Ile His Trp Cys Asn Cys Pro Lys Lys Phe Gly
     50                  55                  60

Gly Gln His Cys Glu Ile Asp Lys Ser Lys Thr Cys Tyr Glu Gly Asn
 65                  70                  75                  80

Gly His Phe Tyr Arg Gly Lys Ala Ser Thr Asp Thr Met Gly Arg Pro
                 85                  90                  95

Cys Leu Pro Trp Asn Ser Ala Thr Val Leu Gln Gln Thr Tyr His Ala
            100                 105                 110

His Arg Ser Asp Ala Leu Gln Leu Gly Leu Gly Lys His Asn Tyr Cys
        115                 120                 125

Arg Asn Pro Asp Asn Arg Arg Arg Pro Trp Cys Tyr Val Gln Val Gly
    130                 135                 140

Leu Lys Pro Leu Val Gln Glu Cys Met Val His Asp Cys Ala Asp Gly
145                 150                 155                 160

Lys Lys Pro Ser Ser Pro Pro Glu Glu Leu Lys Phe Gln Cys Gly Gln
                165                 170                 175

Lys Thr Leu Arg Pro Arg Phe Lys Ile Ile Gly Gly Glu Phe Thr Thr
            180                 185                 190

Ile Glu Asn Gln Pro Trp Phe Ala Ala Ile Tyr Arg Arg His Arg Gly
        195                 200                 205

Gly Ser Val Thr Tyr Val Cys Gly Gly Ser Leu Ile Ser Pro Cys Trp
    210                 215                 220

Val Ile Ser Ala Thr His Cys Phe Ile Asp Tyr Pro Lys Lys Glu Asp
225                 230                 235                 240
```

BNSDOCID: <WO__ 0122920A2_I_>

```
Tyr Ile Val Tyr Leu Gly Arg Ser Arg Leu Asn Ser Asn Thr Gln Gly
                245                 250                 255

Glu Met Lys Phe Glu Val Glu Asn Leu Ile Leu His Lys Asp Tyr Ser
            260                 265                 270

Ala Asp Thr Leu Ala His His Asn Asp Ile Ala Leu Leu Lys Ile Arg
        275                 280                 285

Ser Lys Glu Gly Arg Cys Ala Gln His Pro Gly Leu Tyr Arg Pro Ser
    290                 295                 300

Ala Cys Pro Arg Cys Ile Thr Ile Pro Ser Leu Ala Gln Ala Val Arg
305                 310                 315                 320

Ser Leu Ala Leu Glu Lys Arg Ile Leu Pro Thr Ile Ser Ile Arg Ser
                325                 330                 335

Ser
```

<210> 6257
<211> 89
<212> PRT
<213> Homo sapiens

<400> 6257

```
Asn Lys Lys Lys Lys Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly Pro
  1               5                  10                  15

Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val
            20                  25                  30

Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn
        35                  40                  45

Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu
    50                  55                  60

Ala Arg Thr Asp Arg Leu Pro Thr Val Ala Gln Pro Glu Trp Arg Met
65                  70                  75                  80

Ala Asn Cys Lys Ala Leu Ile Phe Trp
                85
```

<210> 6258
<211> 370

<212> PRT
<213> Homo sapiens

<400> 6258

```
Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
  1               5                  10                  15

Pro Gly Lys Leu Val Ala Leu Val Leu Leu Gly Val Gly Leu Ser Leu
             20                  25                  30

Val Gly Glu Met Phe Leu Ala Phe Arg Glu Arg Val Asn Ala Ser Arg
         35                  40                  45

Glu Val Glu Pro Val Glu Pro Glu Asn Cys His Leu Ile Glu Glu Leu
     50                  55                  60

Glu Ser Gly Ser Glu Asp Ile Asp Ile Leu Pro Ser Gly Leu Ala Phe
 65                  70                  75                  80

Ile Ser Ser Gly Leu Lys Tyr Pro Gly Met Pro Asn Phe Ala Pro Asp
                 85                  90                  95

Glu Pro Gly Lys Ile Phe Leu Met Asp Leu Asn Glu Gln Asn Pro Arg
            100                 105                 110

Ala Gln Ala Leu Glu Ile Ser Gly Gly Phe Asp Lys Glu Leu Phe Asn
        115                 120                 125

Pro His Gly Ile Ser Ile Phe Ile Asp Lys Asp Asn Thr Val Tyr Leu
    130                 135                 140

Tyr Val Val Asn His Pro His Met Lys Ser Thr Val Glu Ile Phe Lys
145                 150                 155                 160

Phe Glu Glu Gln Gln Arg Ser Leu Val Tyr Leu Lys Thr Ile Lys His
                165                 170                 175

Glu Leu Leu Lys Ser Val Asn Asp Ile Val Val Leu Gly Pro Glu Gln
            180                 185                 190

Phe Tyr Ala Thr Arg Asp His Tyr Phe Thr Asn Ser Leu Leu Ser Phe
        195                 200                 205

Phe Glu Met Ile Leu Asp Leu Arg Trp Thr Tyr Val Leu Phe Tyr Ser
    210                 215                 220

Pro Arg Glu Val Lys Val Val Ala Lys Gly Phe Cys Ser Ala Asn Gly
225                 230                 235                 240

Ile Thr Val Ser Ala Asp Gln Lys Tyr Val Tyr Val Ala Asp Val Ala
                245                 250                 255
```

```
Ala Lys Asn Ile His Ile Met Glu Lys His Asp Asn Trp Asp Leu Thr
            260                 265                 270

Gln Leu Lys Val Ile Gln Leu Gly Thr Leu Val Asp Asn Leu Thr Val
        275                 280                 285

Asp Pro Ala Thr Gly Asp Ile Leu Ala Gly Cys His Pro Asn Pro Met
    290                 295                 300

Lys Leu Leu Asn Tyr Asn Pro Glu Asp Pro Pro Gly Ser Glu Val Leu
305                 310                 315                 320

Arg Ile Gln Asn Val Leu Ser Glu Lys Pro Arg Val Ser Thr Val Tyr
                325                 330                 335

Ala Asn Asn Gly Ser Val Leu Gln Gly Thr Ser Val Ala Ser Val Tyr
            340                 345                 350

His Gly Lys Ile Leu Ile Gly Thr Val Phe His Lys Thr Leu Tyr Cys
        355                 360                 365

Glu Leu
    370
```

<210> 6259
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6259

```
Leu Met Gln Ala Ile Ser Leu Phe Ser Xaa Asp Arg Pro Gly Val Leu
  1               5                  10                  15

Gln His Arg Val Val Asp Gln Leu Gln Glu Gln Phe Ala Ile Thr Leu
            20                  25                  30

Lys Ser Tyr Ile Glu Cys Asn Arg Pro Gln Pro Ala His Arg Phe Leu
        35                  40                  45

Phe Leu Lys Ile Met Ala Met Leu Thr Glu Leu Arg Ser Ile Asn Ala
    50                  55                  60

Gln His Thr Gln Arg Leu Leu Arg Ile Gln Asp Ile His Pro Phe Ala
```

65 70 75 80

Thr Pro Leu Met Gln Glu Leu Phe Gly Ile Thr Gly Ser
85 90

<210> 6260
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6260
Val Ile Lys Leu Ile Cys Pro Ala Ala Phe Pro Val Tyr Phe Gln Asp
1 5 10 15

Met Ala Arg Gly Cys Val Cys Ser Leu Cys Ala Ser Val Cys Ile Xaa
20 25 30

Leu Ser Ser Leu Phe Pro Leu Leu Pro Ser Val His Ser Val Asn Ile
35 40 45

Ile Ser Cys Leu Xaa Leu Ser Lys Cys Phe Glu Ser Leu Asn Ser Cys
50 55 60

Val Ser Ile Leu Ser Thr Ile Pro Ile Ala Val Leu His His Lys Ser
65 70 75 80

Pro Ile Gly Xaa Tyr Pro
85

<210> 6261
<211> 95
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6261
Ala Ser Phe Leu Leu Glu Leu Leu Val Leu Pro Ala Ser Thr Thr His
1 5 10 15

Pro Cys Ser Ala Glu Pro Leu Gly Ala Glu Trp Gln Glu Pro Gln Gly
20 25 30

Cys Pro Ile Trp Val Trp Leu Ala Gly Ser Leu Thr Ser Val Ile Cys
35 40 45

Phe Leu Pro Phe Gln Ile Met Arg Ile Lys Pro His Gln Gly Gln His
50 55 60

Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys Glu Cys Arg Xaa
65 70 75 80

Lys Xaa Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly Pro Xaa Ser
85 90 95

<210> 6262
<211> 127
<212> PRT
<213> Homo sapiens

<400> 6262
Ala Asp Asn Asn Phe Thr Gln Glu Thr Ala Met Thr Met Ile Thr Pro
1 5 10 15

Ser Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
20 25 30

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn

```
         35                  40                  45

Ser Ala Arg Ala Trp Leu Leu Gln Asn Phe Leu Leu Phe Leu Leu Leu
      50                  55                  60

Leu Val Phe Ser Leu Leu Cys Phe Thr Leu Cys Ser Cys Pro Thr Val
 65                  70                  75                  80

Leu Asp Ile Ile Phe Cys Ser Phe Gln Cys Phe Phe Ser Leu Val Phe
                 85                  90                  95

Glu Val Ser Asp Asp Lys Ser Ser Ser Ser Glu Ile Leu Tyr Ser Ala
            100                 105                 110

Glu Ser Ser Leu Leu Ile Ser His Gln Arg Tyr Ser Ser Val Ile
        115                 120                 125
```

<210> 6263
<211> 247
<212> PRT
<213> Homo sapiens

<400> 6263

```
Pro Glu Asn Ser Thr Ser Ser Phe Leu Leu Trp Gly Cys Pro Pro Ser
  1               5                  10                  15

Val Val Cys Phe Thr Val Gly Ser Pro Ala Arg Arg Pro Gln Cys Phe
             20                  25                  30

Leu Arg Ala Glu Met Ala Asn Ser Gly Leu Gln Leu Leu Gly Phe Ser
         35                  40                  45

Met Ala Leu Leu Gly Trp Val Gly Leu Val Ala Cys Thr Ala Ile Pro
      50                  55                  60

Gln Trp Gln Met Ser Ser Tyr Ala Gly Asp Asn Ile Ile Thr Ala Gln
 65                  70                  75                  80

Ala Met Tyr Lys Gly Leu Trp Met Asp Cys Val Thr Gln Ser Thr Gly
                 85                  90                  95

Met Met Ser Cys Lys Met Tyr Asp Ser Val Leu Ala Leu Ser Ala Ala
            100                 105                 110

Leu Gln Ala Thr Arg Ala Leu Met Val Val Ser Leu Val Leu Gly Phe
        115                 120                 125

Leu Ala Met Phe Val Ala Thr Met Gly Met Lys Cys Thr Arg Cys Gly
    130                 135                 140
```

```
Gly Asp Asp Lys Val Lys Lys Ala Arg Ile Ala Met Gly Gly Gly Ile
145                 150                 155                 160

Ile Phe Ile Val Ala Gly Leu Ala Ala Leu Val Ala Cys Ser Trp Tyr
                165                 170                 175

Gly His Gln Ile Val Thr Asp Phe Tyr Asn Pro Leu Ile Pro Thr Asn
            180                 185                 190

Ile Lys Tyr Glu Phe Gly Pro Ala Ile Phe Ile Gly Trp Ala Gly Ser
        195                 200                 205

Ala Leu Val Ile Leu Gly Gly Ala Leu Leu Ser Cys Ser Cys Pro Gly
    210                 215                 220

Asn Glu Ser Lys Ala Gly Tyr Arg Ala Pro Arg Ser Tyr Pro Lys Ser
225                 230                 235                 240

Asn Ser Ser Lys Glu Tyr Val
                245
```

<210> 6264
<211> 145
<212> PRT
<213> Homo sapiens

<400> 6264

```
Pro Asp Ser Val Phe Ser Pro Ala Ala Ser Pro Thr Lys Glu Ile Gln
  1               5                  10                  15

Val Lys Lys Tyr Lys Cys Gly Leu Ile Lys Pro Cys Pro Ala Asn Tyr
            20                  25                  30

Phe Ala Phe Lys Ile Cys Ser Gly Ala Ala Asn Val Val Gly Pro Thr
        35                  40                  45

Met Cys Phe Glu Asp Arg Met Ile Met Ser Pro Val Lys Asn Asn Val
    50                  55                  60

Gly Arg Gly Leu Asn Ile Ala Leu Val Asn Gly Thr Thr Gly Ala Val
65                  70                  75                  80

Leu Gly Gln Lys Ala Phe Asp Met Tyr Ser Gly Asp Val Met His Leu
                85                  90                  95

Val Lys Phe Leu Lys Glu Ile Pro Gly Gly Ala Leu Val Leu Val Ala
            100                 105                 110
```

BNSDOCID: <WO___0122920A2_I_>

```
Ser Tyr Asp Asp Pro Gly Thr Lys Met Asn Asp Glu Ser Arg Lys Leu
        115                 120                 125

Phe Ser Asp Leu Gly Ser Ser Tyr Ala Lys Gln Leu Gly Phe Gly Thr
    130                 135                 140

Val
145
```

<210> 6265
<211> 66
<212> PRT
<213> Homo sapiens

<400> 6265

```
Leu Glu Ser Arg Ser Cys Thr Pro Leu Ile Phe Leu Leu Lys His Leu
  1               5                  10                  15

Lys Val Tyr Ile Gly Cys Gln Met Ser Asn Ile Thr Tyr Phe Ile Leu
             20                  25                  30

Phe Ser Ser Asn Leu Tyr Phe Thr Val Val Gln Gly Met Lys Glu Ala
         35                  40                  45

Gln Glu Arg Leu Thr Gly Asp Ala Phe Arg Lys Lys His Leu Glu Asp
     50                  55                  60

Glu Leu
 65
```

<210> 6266
<211> 134
<212> PRT
<213> Homo sapiens

<400> 6266

```
Ala Arg Gly Pro Arg Gly Leu Ala Pro Pro Arg Pro Ala Arg Pro Pro
  1               5                  10                  15

Pro Gly Gly Met Ser Tyr Lys Pro Asn Leu Ala Ala His Met Pro Ala
             20                  25                  30

Ala Ala Leu Asn Ala Ala Gly Ser Val His Ser Pro Ser Thr Ser Met
         35                  40                  45

Ala Thr Ser Ser Gln Tyr Arg Gln Leu Leu Ser Asp Tyr Gly Pro Pro
     50                  55                  60
```

```
Ser Leu Gly Tyr Thr Gln Gly Thr Gly Asn Ser Gln Val Pro Gln Ser
 65                  70                  75                  80

Lys Tyr Ala Glu Leu Leu Ala Ile Ile Glu Glu Leu Gly Lys Glu Ile
                85                  90                  95

Arg Pro Thr Tyr Ala Gly Ser Lys Ser Ala Met Glu Arg Leu Lys Arg
            100                 105                 110

Gly Ile Ile His Ala Arg Gly Leu Val Arg Glu Cys Leu Ala Glu Thr
        115                 120                 125

Glu Arg Asn Ala Arg Ser
    130
```

<210> 6267
<211> 201
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6267

```
Xaa Xaa Leu Thr Lys Gly Asn Lys Ser Xaa Xaa Leu His Arg Gly Val
  1               5                  10                  15
```

```
Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr
             20                  25                  30

Ser Ile Gly Thr Gly Gly Phe Ala Lys Val Lys Leu Ala Cys His Ile
         35                  40                  45

Leu Thr Gly Glu Met Val Ala Ile Lys Ile Met Asp Lys Asn Thr Leu
     50                  55                  60

Gly Ser Asp Leu Pro Arg Ile Lys Thr Glu Ile Glu Ala Leu Lys Asn
 65                  70                  75                  80

Leu Arg His Gln His Ile Cys Gln Leu Tyr His Val Leu Glu Thr Ala
                 85                  90                  95

Asn Lys Ile Phe Met Val Leu Glu Tyr Cys Pro Gly Gly Glu Leu Phe
            100                 105                 110

Asp Tyr Ile Ile Ser Gln Xaa Arg Leu Ser Glu Glu Glu Thr Arg Val
        115                 120                 125

Val Phe Arg Gln Ile Val Ser Ala Val Ala Tyr Val His Ser Gln Gly
    130                 135                 140

Tyr Ala His Arg Asp Leu Lys Pro Glu Asn Leu Leu Phe Asp Glu Tyr
145                 150                 155                 160

His Lys Leu Lys Leu Ile Asp Phe Gly Leu Cys Ala Lys Pro Lys Gly
                165                 170                 175

Asn Lys Asp Tyr His Leu Gln Thr Cys Cys Gly Ser Leu Ala Tyr Ala
            180                 185                 190

Ala Pro Glu Leu Ile Gln Gly Lys Ser
        195                 200


<210> 6268
<211> 355
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (233)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
```

<222> (264)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (302)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (305)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (313)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (344)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (352)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6268

```
Arg Pro Thr Arg Pro Val Gln Tyr Glu Leu Trp Ala Ala Leu Pro Gly
  1               5                  10                  15

Ala Ser Gly Val Ala Leu Ala Cys Cys Phe Val Ala Ala Ala Val Ala
             20                  25                  30

Leu Arg Trp Ser Gly Arg Arg Thr Ala Val Ala Arg Trp Ser Gly Arg
         35                  40                  45

Asp Arg Gly Ser Glu Arg Ala Trp Arg Thr Trp Thr Gly Arg Arg Thr
     50                  55                  60

Phe Arg Leu Gln Asn Pro Asp Leu Asp Ser Glu Ala Leu Leu Ala Leu
 65                  70                  75                  80

Pro Leu Pro Gln Leu Val Gln Lys Leu His Ser Arg Glu Leu Ala Pro
                 85                  90                  95

Glu Ala Val Leu Phe Thr Tyr Val Gly Lys Ala Trp Glu Val Asn Lys
            100                 105                 110

Gly Thr Asn Cys Val Thr Ser Tyr Leu Ala Asp Cys Glu Thr Gln Leu
```

```
        115                 120                 125

Ser Gln Ala Pro Arg Gln Gly Leu Leu Tyr Gly Val Pro Val Ser Leu
    130                 135                 140

Lys Glu Cys Phe Thr Tyr Lys Gly Gln Asp Ser Thr Leu Gly Leu Ser
145                 150                 155                 160

Leu Asn Glu Gly Val Pro Ala Glu Cys Asp Ser Val Val Val His Val
                165                 170                 175

Leu Lys Leu Gln Gly Ala Val Pro Phe Val His Thr Asn Val Pro Gln
            180                 185                 190

Ser Met Phe Ser Tyr Asp Cys Ser Asn Pro Leu Phe Gly Gln Thr Val
        195                 200                 205

Asn Pro Trp Lys Ser Ser Lys Ser Pro Gly Gly Ser Ser Gly Gly Glu
    210                 215                 220

Gly Ala Leu Ile Gly Ser Gly Gly Xaa Pro Leu Gly Leu Gly Thr Asp
225                 230                 235                 240

Ile Gly Gly Ser Ile Arg Phe Pro Ser Ser Phe Cys Gly Ile Cys Gly
                245                 250                 255

Leu Lys Pro Thr Gly Asn Pro Xaa Gln Cys Val Ser Pro Trp Ala Pro
            260                 265                 270

Trp Pro Gly Thr Trp Lys Ser Leu Ala Leu Val Pro Ala Asn Pro Ala
        275                 280                 285

Cys Ala Lys Asp Met Phe Pro Leu Gly Pro Asn Val Pro Xaa Leu Pro
    290                 295                 300

Xaa Lys Lys Arg Ser Thr Pro Ser Xaa Asn Pro Cys Val Trp Gly Thr
305                 310                 315                 320

Met Arg Ile Asp Asn Tyr Thr Met Pro Ser Arg His Glu Ala Ala Leu
                325                 330                 335

Leu Gly Asn Lys Gln Ser Leu Xaa Trp Gly Thr Pro Ala Ser Cys Xaa
            340                 345                 350

Ser Lys Thr
        355
```

<210> 6269
<211> 133

BNSDOCID: <WO__ 0122920A2 1_>

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6269
Xaa Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala
1 5 10 15

Val Xaa Ser Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser
20 25 30

Ala Arg Gly Thr Phe Phe Lys Met Glu Leu Phe Glu Gly Met Arg Glu
35 40 45

Ser Thr Lys Ile Ser Ser Leu Leu Ala Glu Leu Glu Ala Ile Gln Arg
50 55 60

Asn Ser Ala Ser Gln Lys Ser Val Ile Val Ser Gln Trp Thr Asn Met
65 70 75 80

Leu Lys Val Val Ala Leu His Leu Lys Lys His Gly Leu Thr Tyr Ala
85 90 95

Thr Ile Asp Gly Ser Val Asn Pro Lys Gln Arg Met Asp Leu Val Glu
100 105 110

Ala Phe Asn His Ser Arg Gly Pro Gln Val Met Leu Ile Ser Leu Leu
115 120 125

Ala Gly Val Leu Val
130

<210> 6270
<211> 466
<212> PRT
<213> Homo sapiens

<400> 6270
Asn Thr Val Met Gly Arg Lys Lys Lys Lys Gln Leu Lys Pro Trp Cys
1 5 10 15

```
Trp Tyr Cys Asn Arg Asp Phe Asp Asp Glu Lys Ile Leu Ile Gln His
            20                  25                  30

Gln Lys Ala Lys His Phe Lys Cys His Ile Cys His Lys Lys Leu Tyr
        35                  40                  45

Thr Gly Pro Gly Leu Ala Ile His Cys Met Gln Val His Lys Glu Thr
    50                  55                  60

Ile Asp Ala Val Pro Asn Ala Ile Pro Gly Arg Thr Asp Ile Glu Leu
65                  70                  75                  80

Glu Ile Tyr Gly Met Glu Gly Ile Pro Glu Lys Asp Met Asp Glu Arg
                85                  90                  95

Arg Arg Leu Leu Glu Gln Lys Thr Gln Glu Ser Gln Lys Lys Lys Gln
            100                 105                 110

Gln Asp Asp Ser Asp Glu Tyr Asp Asp Asp Asp Ser Ala Ala Ser Thr
        115                 120                 125

Ser Phe Gln Pro Gln Pro Val Gln Pro Gln Gln Gly Tyr Ile Pro Pro
    130                 135                 140

Met Ala Gln Pro Gly Leu Pro Pro Val Pro Gly Ala Pro Gly Met Pro
145                 150                 155                 160

Pro Gly Ile Pro Pro Leu Met Pro Gly Val Pro Pro Leu Met Pro Gly
                165                 170                 175

Met Pro Pro Val Met Pro Gly Met Pro Pro Gly Leu His His Gln Arg
            180                 185                 190

Lys Tyr Thr Gln Ser Phe Cys Gly Glu Asn Ile Met Met Pro Met Gly
        195                 200                 205

Gly Met Met Pro Pro Gly Pro Gly Ile Pro Pro Leu Met Pro Gly Met
    210                 215                 220

Pro Pro Gly Met Pro Pro Pro Val Pro Arg Pro Gly Ile Pro Pro Met
225                 230                 235                 240

Thr Gln Ala Gln Ala Val Ser Ala Pro Gly Ile Leu Asn Arg Pro Pro
                245                 250                 255

Ala Pro Thr Ala Thr Val Pro Ala Pro Gln Pro Pro Val Thr Lys Pro
            260                 265                 270

Leu Phe Pro Ser Ala Gly Gln Ala Gln Ala Ala Val Gln Gly Pro Val
        275                 280                 285
```

BNSDOCID: <WO_ _0122920A2 I >

```
Gly Thr Asp Phe Lys Pro Leu Asn Ser Thr Pro Ala Thr Thr Thr Glu
    290                 295                 300

Pro Pro Lys Pro Thr Phe Pro Ala Tyr Thr Gln Ser Thr Ala Ser Thr
305                 310                 315                 320

Thr Ser Thr Thr Asn Ser Thr Ala Ala Lys Pro Ala Ala Ser Ile Thr
                325                 330                 335

Ser Lys Pro Ala Thr Leu Thr Thr Thr Ser Ala Thr Ser Lys Leu Ile
            340                 345                 350

His Pro Asp Glu Asp Ile Ser Leu Glu Glu Arg Arg Ala Gln Leu Pro
        355                 360                 365

Lys Tyr Gln Arg Asn Leu Pro Arg Pro Gly Gln Ala Pro Ile Gly Asn
    370                 375                 380

Pro Pro Val Gly Pro Ile Gly Gly Met Met Pro Pro Gln Pro Gly Ile
385                 390                 395                 400

Pro Gln Gln Gln Gly Met Arg Pro Pro Met Pro Pro His Gly Gln Tyr
                405                 410                 415

Gly Gly His His Gln Gly Met Pro Gly Tyr Leu Pro Gly Ala Met Pro
            420                 425                 430

Pro Tyr Gly Gln Gly Pro Pro Met Val Pro Pro Tyr Gln Gly Gly Pro
        435                 440                 445

Pro Arg Pro Pro Met Gly Met Arg Pro Pro Val Met Ser Gln Gly Gly
    450                 455                 460

Arg Tyr
465
```

<210> 6271
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ _ 0122920A2 I_>

<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6271
His Thr Ala Leu Ser Ala Phe Thr Ala Ile Pro Ala Val Leu Ala Ala
1 5 10 15

Pro Ala Met Gly Leu Glu Leu Phe Leu Asp Leu Val Ser Gln Pro Ser
20 25 30

Arg Ala Val Tyr Ile Phe Ala Lys Lys Asn Gly Ile Pro Leu Glu Leu
35 40 45

Arg Thr Val Asp Leu Val Lys Gly Gly Pro Ser Pro Phe Pro Arg Val
50 55 60

Ser Thr Asn Pro Val Xaa Pro Gln Ala Pro Ala Cys Ser Ala Leu Ser
65 70 75 80

Val Ser Pro Pro His Ser Pro Ser Pro Pro Pro Ala Ala Ser Ala Thr
85 90 95

Arg Glu Cys Cys Gly Leu Ser Gly Leu Glu Gly Ser Gln Xaa Xaa
100 105 110

<210> 6272
<211> 670
<212> PRT
<213> Homo sapiens

<400> 6272
Val Pro Ser Ala Ser Gln Val Arg Ala Ser Leu Pro Glu Pro Arg Asn
1 5 10 15

Ser Ala Ala Ala Met Ala Ser Asn Met Asp Arg Glu Met Ile Leu Ala
20 25 30

Asp Phe Gln Ala Cys Thr Gly Ile Glu Asn Ile Asp Glu Ala Ile Thr
35 40 45

Leu Leu Glu Gln Asn Asn Trp Asp Leu Val Ala Ala Ile Asn Gly Val
50 55 60

Ile Pro Gln Glu Asn Gly Ile Leu Gln Ser Glu Tyr Gly Gly Glu Thr

BNSDOCID: <WO 0122920A2 1 >

65 70 75 80

Ile Pro Gly Pro Ala Phe Asn Pro Ala Ser His Pro Ala Ser Ala Pro
85 90 95

Thr Ser Ser Ser Ser Ser Ala Phe Arg Pro Val Met Pro Ser Arg Gln
100 105 110

Ile Val Glu Arg Gln Pro Arg Met Leu Asp Phe Arg Val Glu Tyr Arg
115 120 125

Asp Arg Asn Val Asp Val Val Leu Glu Asp Thr Cys Thr Val Gly Glu
130 135 140

Ile Lys Gln Ile Leu Glu Asn Glu Leu Gln Ile Pro Val Ser Lys Met
145 150 155 160

Leu Leu Lys Gly Trp Lys Thr Gly Asp Val Glu Asp Ser Thr Val Leu
165 170 175

Lys Ser Leu His Leu Pro Lys Asn Asn Ser Leu Tyr Val Leu Thr Pro
180 185 190

Asp Leu Pro Pro Pro Ser Ser Ser Ser His Ala Gly Ala Leu Gln Glu
195 200 205

Ser Leu Asn Gln Asn Phe Met Leu Ile Ile Thr His Arg Glu Val Gln
210 215 220

Arg Glu Tyr Asn Leu Asn Phe Ser Gly Ser Ser Thr Ile Gln Glu Val
225 230 235 240

Lys Arg Asn Val Tyr Asp Leu Thr Ser Ile Pro Val Arg His Gln Leu
245 250 255

Trp Glu Gly Trp Pro Thr Ser Ala Thr Asp Asp Ser Met Cys Leu Ala
260 265 270

Glu Ser Gly Leu Ser Tyr Pro Cys His Arg Leu Thr Val Gly Arg Arg
275 280 285

Ser Ser Pro Ala Gln Thr Arg Glu Gln Ser Glu Glu Gln Ile Thr Asp
290 295 300

Val His Met Val Ser Asp Ser Asp Gly Asp Asp Phe Glu Asp Ala Thr
305 310 315 320

Glu Phe Gly Val Asp Asp Gly Glu Val Phe Gly Met Ala Ser Ser Ala
325 330 335

Leu Arg Lys Ser Pro Met Met Pro Glu Asn Ala Glu Asn Glu Gly Asp

BNSDOCID:<WO__ 0122920A2_I >

340 345 350

Ala Leu Leu Gln Phe Thr Ala Glu Phe Ser Ser Arg Tyr Gly Asp Cys
355 360 365

His Pro Val Phe Phe Ile Gly Ser Leu Glu Ala Ala Phe Gln Glu Ala
370 375 380

Phe Tyr Val Lys Ala Arg Asp Arg Lys Leu Leu Ala Ile Tyr Leu His
385 390 395 400

His Asp Glu Ser Val Leu Thr Asn Val Phe Cys Ser Gln Met Leu Cys
405 410 415

Ala Glu Ser Ile Val Ser Tyr Leu Ser Gln Asn Phe Ile Thr Trp Ala
420 425 430

Trp Asp Leu Thr Lys Asp Ser Asn Arg Ala Arg Phe Leu Thr Met Cys
435 440 445

Asn Arg His Phe Gly Ser Val Val Ala Gln Thr Ile Arg Thr Gln Lys
450 455 460

Thr Asp Gln Phe Pro Leu Phe Leu Ile Ile Met Gly Lys Arg Ser Ser
465 470 475 480

Asn Glu Val Leu Asn Val Ile Gln Gly Asn Thr Thr Val Asp Glu Leu
485 490 495

Met Met Arg Leu Met Ala Ala Met Glu Ile Phe Thr Ala Gln Gln Gln
500 505 510

Glu Asp Ile Lys Asp Glu Asp Glu Arg Glu Ala Arg Glu Asn Val Lys
515 520 525

Arg Glu Gln Asp Glu Ala Tyr Arg Leu Ser Leu Glu Ala Asp Arg Ala
530 535 540

Lys Arg Glu Ala His Glu Arg Glu Met Ala Glu Gln Phe Arg Leu Glu
545 550 555 560

Gln Ile Arg Lys Glu Gln Glu Glu Glu Arg Glu Ala Ile Arg Leu Ser
565 570 575

Leu Glu Gln Ala Leu Pro Pro Glu Pro Lys Glu Glu Asn Ala Glu Pro
580 585 590

Val Ser Lys Leu Arg Ile Arg Thr Pro Ser Gly Glu Phe Leu Glu Arg
595 600 605

Arg Phe Leu Ala Ser Asn Lys Leu Gln Ile Val Phe Asp Phe Val Ala

BNSDOCID: <WO__ 0122920A2_I >

610 615 620

Ser Lys Gly Phe Pro Trp Asp Glu Tyr Lys Leu Leu Ser Thr Phe Pro
625 630 635 640

Arg Arg Asp Val Thr Gln Leu Asp Pro Asn Lys Ser Leu Leu Glu Val
645 650 655

Lys Leu Phe Pro Gln Glu Thr Leu Phe Leu Glu Ala Lys Glu
660 665 670

<210> 6273
<211> 496
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6273
Pro Thr Arg Xaa Pro Thr Arg Pro Ala Arg Gly Trp Glu Ala Ile Thr
1 5 10 15

Tyr Leu Ala Leu Arg Lys Lys Thr Lys Ala Ser Met His Ser Phe Pro
20 25 30

Pro Leu Leu Leu Leu Leu Phe Trp Gly Val Val Ser His Ser Phe Pro
35 40 45

Ala Thr Leu Glu Thr Gln Glu Gln Asp Val Asp Leu Val Gln Lys Tyr
50 55 60

Leu Glu Lys Tyr Tyr Asn Leu Lys Asn Asp Gly Arg Gln Val Glu Lys
65 70 75 80

Arg Arg Asn Ser Gly Pro Val Val Glu Lys Leu Lys Gln Met Gln Glu
85 90 95

Phe Phe Gly Leu Lys Val Thr Gly Lys Pro Asp Ala Glu Thr Leu Lys
100 105 110

Val Met Lys Gln Pro Arg Cys Gly Val Pro Asp Val Ala Gln Phe Val
115 120 125

Leu Thr Glu Gly Asn Pro Arg Trp Glu Gln Thr His Leu Thr Tyr Arg
130 135 140

```
Ile Glu Asn Tyr Thr Pro Asp Leu Pro Arg Ala Asp Val Asp His Ala
145                 150                 155                 160

Ile Glu Lys Ala Phe Gln Leu Trp Ser Asn Val Thr Pro Leu Thr Phe
                165                 170                 175

Thr Lys Val Ser Glu Gly Gln Ala Asp Ile Met Ile Ser Phe Val Arg
            180                 185                 190

Gly Asp His Arg Asp Asn Ser Pro Phe Asp Gly Pro Gly Gly Asn Leu
        195                 200                 205

Ala His Ala Phe Gln Pro Gly Pro Gly Ile Gly Gly Asp Ala His Phe
    210                 215                 220

Asp Glu Asp Glu Arg Trp Thr Asn Asn Phe Arg Glu Tyr Asn Leu His
225                 230                 235                 240

Arg Val Ala Ala His Glu Leu Gly His Ser Leu Gly Leu Ser His Ser
                245                 250                 255

Thr Asp Ile Gly Ala Leu Met Tyr Pro Ser Tyr Thr Phe Ser Gly Asp
            260                 265                 270

Val Gln Leu Ala Gln Asp Asp Ile Asp Gly Ile Gln Ala Ile Tyr Gly
        275                 280                 285

Arg Ser Gln Asn Pro Val Gln Pro Ile Gly Pro Gln Thr Pro Lys Ala
    290                 295                 300

Cys Asp Ser Lys Leu Thr Phe Asp Ala Ile Thr Thr Ile Arg Gly Glu
305                 310                 315                 320

Val Met Phe Phe Lys Asp Arg Phe Tyr Met Arg Thr Asn Pro Phe Tyr
                325                 330                 335

Pro Glu Val Glu Leu Asn Phe Ile Ser Val Phe Trp Pro Gln Leu Pro
            340                 345                 350

Asn Gly Leu Glu Ala Ala Tyr Glu Phe Ala Asp Arg Asp Glu Val Arg
        355                 360                 365

Phe Phe Lys Gly Asn Lys Tyr Trp Ala Val Gln Gly Gln Asn Val Leu
    370                 375                 380

His Gly Tyr Pro Lys Asp Ile Tyr Ser Ser Phe Gly Phe Pro Arg Thr
385                 390                 395                 400

Val Lys His Ile Asp Ala Ala Leu Ser Glu Glu Asn Thr Gly Lys Thr
                405                 410                 415
```

```
Tyr Phe Phe Val Ala Asn Lys Tyr Trp Arg Tyr Asp Glu Tyr Lys Arg
            420                 425                 430

Ser Met Asp Pro Gly Tyr Pro Lys Met Ile Ala His Asp Phe Pro Gly
        435                 440                 445

Ile Gly His Lys Val Asp Ala Val Phe Met Lys Asp Gly Phe Phe Tyr
    450                 455                 460

Phe Phe His Gly Thr Arg Gln Tyr Lys Phe Asp Pro Lys Thr Lys Arg
465                 470                 475                 480

Ile Leu Thr Leu Gln Lys Ala Asn Ser Trp Phe Asn Cys Arg Lys Asn
                485                 490                 495
```

<210> 6274
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6274

BNSDOCID: <WO___0122920A2_I_>

```
Arg Leu Pro Arg Gln Lys Ser Arg Xaa Lys Leu Ser Xaa Ser His Val
 1               5                  10                  15

Thr Gln Xaa Arg Leu Ile Lys Phe Phe Xaa Leu Phe Pro Ile Ile Phe
            20                  25                  30

Xaa Met Ser Lys Leu Thr Lys Arg Ser Lys Gly Phe Leu Gly Leu Leu
        35                  40                  45

Thr Ser Ser Val Glu Ile Leu Val Leu Cys Gly Gln Gly Lys Ala Lys
    50                  55                  60

Ala Phe Leu Phe Ser Leu Cys Tyr Leu Glu Asp Arg Lys Thr Ser Cys
65                  70                  75                  80

Leu His Pro Leu Ala Val Cys Arg Ile Thr Leu Ser Leu Arg Tyr
                85                  90                  95
```

<210> 6275
<211> 135
<212> PRT
<213> Homo sapiens

<400> 6275

```
Arg Pro Pro Ile Ser Ser Ala Gly His Leu Pro Gly Val Cys Lys Val
 1               5                  10                  15

Ser Thr Asp Leu Leu Arg Glu Gly Ala Pro Ile Glu Pro Asp Pro Pro
            20                  25                  30

Val Ser His Trp Lys Pro Glu Ala Val Gln Tyr Tyr Glu Asp Gly Ala
        35                  40                  45

Arg Ile Glu Ala Ala Phe Arg Asn Tyr Ile His Arg Ala Asp Ala Arg
    50                  55                  60

Gln Glu Glu Asp Ser Tyr Glu Ile Phe Ile Cys His Ala Asn Val Ile
65                  70                  75                  80

Arg Tyr Ile Val Cys Arg Ala Leu Gln Phe Pro Pro Glu Gly Trp Leu
                85                  90                  95

Arg Leu Ser Leu Asn Asn Gly Ser Ile Thr His Leu Val Ile Arg Pro
            100                 105                 110

Asn Gly Arg Val Ala Leu Arg Thr Leu Gly Asp Thr Gly Phe Met Pro
        115                 120                 125

Pro Asp Lys Ile Thr Arg Ser
```

130 135

<210> 6276
<211> 159
<212> PRT
<213> Homo sapiens

<400> 6276
Thr Ser His Ala Arg Phe Gln Ala Leu His Ala Thr Gly Ser Val Leu
1 5 10 15

Ala Ala Ser Ser Leu Ser Trp Asn Ser Ser Ser Gln Leu Leu Leu Pro
20 25 30

Glu Phe Gln Gly Glu Pro Pro Ser Ala Pro Ser Glu Tyr Ala Gly Leu
35 40 45

Val Val Arg Thr Val Leu Glu Pro Val Leu Gln Gly Leu Gln Gly Leu
50 55 60

Pro Pro Gln Ala Gln Ala Pro Ala Leu Gly Gln Ala Leu Thr Ala Ile
65 70 75 80

Val Gly Ala Trp Leu Asp His Ile Leu Thr His Gly Ile Arg Phe Arg
85 90 95

Ser Gly Val Lys Val Glu Val Ala Gly Gly Glu Trp Asn Trp Glu Lys
100 105 110

Glu Gly Asp Lys Trp Glu Arg Gln Glu Gly Gln Val Ala Ile Leu Tyr
115 120 125

Leu Cys Leu Gln Pro Ala Gly Ser Ala Ala Ala Gln Thr Arg Leu Trp
130 135 140

Ser Gly Gln Gly Val Ala Gly Arg Gly Ala Val Glu Pro Val Pro
145 150 155

<210> 6277
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I_>

<400> 6277
Ala Gln Gly Ala Ala Trp Xaa Cys Gln Ser Pro Gly Pro Arg Ala Leu
1 5 10 15

Leu Glu Arg Arg Gln Thr Glu Ala Ala Gly Pro Ala Ser Arg Arg Arg
20 25 30

Gly Glu Met Ser Asp Cys Tyr Thr Glu Leu Glu Lys Ala Val Ile Val
35 40 45

Leu Val Glu Asn Phe Tyr Lys Tyr Val Ser Lys Tyr Ser Leu Val Lys
50 55 60

Asn Lys Ile Ser Lys Ser Ser Phe Arg Glu Met Leu Gln Lys Glu Leu
65 70 75 80

Asn His Met Leu Ser His Cys
85

<210> 6278
<211> 383
<212> PRT
<213> Homo sapiens

<400> 6278
His Ala Ser Ala His Ala Ser Gly Ala Leu Pro Gly Leu Thr Ala Thr
1 5 10 15

Pro Glu Ala Met Leu Arg Phe Leu Pro Asp Leu Ala Phe Ser Phe Leu
20 25 30

Leu Ile Leu Ala Leu Gly Gln Ala Val Gln Phe Gln Glu Tyr Val Phe
35 40 45

Leu Gln Phe Leu Gly Leu Asp Lys Ala Pro Ser Pro Gln Lys Phe Gln
50 55 60

Pro Val Pro Tyr Ile Leu Lys Lys Ile Phe Gln Asp Arg Glu Ala Ala
65 70 75 80

Ala Thr Thr Gly Val Ser Arg Asp Leu Cys Tyr Val Lys Glu Leu Gly
85 90 95

Val Arg Gly Asn Val Leu Arg Phe Leu Pro Asp Gln Gly Phe Phe Leu
100 105 110

Tyr Pro Lys Lys Ile Ser Gln Ala Ser Ser Cys Leu Gln Lys Leu Leu
115 120 125

Tyr Phe Asn Leu Ser Ala Ile Lys Glu Arg Glu Gln Leu Thr Leu Ala
130 135 140

Gln Leu Gly Leu Asp Leu Gly Pro Asn Ser Tyr Tyr Asn Leu Gly Pro
145 150 155 160

Glu Leu Glu Leu Ala Leu Phe Leu Val Gln Glu Pro His Val Trp Gly
165 170 175

Gln Thr Thr Pro Lys Pro Gly Lys Met Phe Val Leu Arg Ser Val Pro
180 185 190

Trp Pro Gln Gly Ala Val His Phe Asn Leu Leu Asp Val Ala Lys Asp
195 200 205

Trp Asn Asp Asn Pro Arg Lys Asn Phe Gly Leu Phe Leu Glu Ile Leu
210 215 220

Val Lys Glu Asp Arg Asp Ser Gly Val Asn Phe Gln Pro Glu Asp Thr
225 230 235 240

Cys Ala Arg Leu Arg Cys Ser Leu His Ala Ser Leu Leu Val Val Thr
245 250 255

Leu Asn Pro Asp Gln Cys His Pro Ser Arg Lys Arg Arg Ala Ala Ile
260 265 270

Pro Val Pro Lys Leu Ser Cys Lys Asn Leu Cys His Arg His Gln Leu
275 280 285

Phe Ile Asn Phe Arg Asp Leu Gly Trp His Lys Trp Ile Ile Ala Pro
290 295 300

Lys Gly Phe Met Ala Asn Tyr Cys His Gly Glu Cys Pro Phe Ser Leu
305 310 315 320

Thr Ile Ser Leu Asn Ser Ser Asn Tyr Ala Phe Met Gln Ala Leu Met
325 330 335

His Ala Val Asp Pro Glu Ile Pro Gln Ala Val Cys Ile Pro Thr Lys
340 345 350

Leu Ser Pro Ile Ser Met Leu Tyr Gln Asp Asn Asn Asp Asn Val Ile
355 360 365

Leu Arg His Tyr Glu Asp Met Val Val Asp Glu Cys Gly Cys Gly
370 375 380

<210> 6279
<211> 70
<212> PRT
<213> Homo sapiens

<400> 6279
Arg Gln Arg Arg Lys Gly Gly Gly Asn Asp Ser Arg Pro Lys Trp Pro
1 5 10 15

His Leu Glu Asp Thr Ser Asp Asp Asn His Cys Tyr Val Cys Ala Ile
20 25 30

Leu Phe Asn Ser Ala Val Tyr Val Val Asp Lys Leu Tyr Glu Ile Ser
35 40 45

Ser Leu Ser Arg Tyr Leu Glu Val Leu Asp Val Phe Lys Ser Gly Ser
50 55 60

Arg Ile Thr Leu Cys Lys
65 70

<210> 6280
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6280
Gly Thr Thr Asn Ile Phe Tyr Val Val Asn Ser Ile Lys Leu Ala Ser
1 5 10 15

Phe Gly Lys Lys Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly Pro Xaa
20 25 30

Pro Asn Ser Pro Tyr Ser Glu Ser Xaa Tyr Asn Ser Leu Ala Val Val
35 40 45

Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg
50 55 60

```
Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala
 65                  70                  75                  80

Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp
                 85                  90                  95

Gln Ile Val Ser Val Asn Ile Leu Leu Lys Phe Ala Leu Asn Phe Cys
            100                 105                 110
```

<210> 6281
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6281

```
Asn Leu Gly Thr Leu Lys Lys Glu Gln Asp Asn Ser Tyr Val Gln Gly
  1               5                  10                  15

Thr Arg Glu Ile Thr Ile Arg Ser Gly Cys Leu Xaa Ala Arg Gln Asn
            20                  25                  30

Arg Thr Ile Phe Leu Phe Phe Gln Lys Gln Ile Gly Glu Ile Ser Leu
        35                  40                  45

Asn Ser Phe Ser Gln Gln Arg Thr Ala Trp Arg Lys Arg Val Cys Ser
    50                  55                  60
```

<210> 6282
<211> 469
<212> PRT
<213> Homo sapiens

<400> 6282

```
Val Arg Gly Leu Ser Gly Ser Cys Pro Gly Cys Ser Pro Leu Glu Pro
  1               5                  10                  15
```

```
Gly Ser Arg Gly Arg Gly Ala Ala Ala Trp Arg Ile Leu Arg Cys Arg
            20                  25                  30

Arg Leu Pro Glu Pro Ser Pro Phe Leu Thr Gln Pro Asn Leu Ala Gln
        35                  40                  45

Ser Gln Pro Pro Ala Pro Val Pro Val Thr Asp Pro Ser Val Thr Met
    50                  55                  60

His Pro Ala Val Phe Leu Ser Leu Pro Asp Leu Arg Cys Ser Leu Leu
65                  70                  75                  80

Leu Leu Val Thr Trp Val Phe Thr Pro Val Thr Thr Glu Ile Thr Ser
                85                  90                  95

Leu Asp Thr Glu Asn Ile Asp Glu Ile Leu Asn Asn Ala Asp Val Ala
            100                 105                 110

Leu Val Asn Phe Tyr Ala Asp Trp Cys Arg Phe Ser Gln Met Leu His
        115                 120                 125

Pro Ile Phe Glu Glu Ala Ser Asp Val Ile Lys Glu Glu Phe Pro Asn
    130                 135                 140

Glu Asn Gln Val Val Phe Ala Arg Val Asp Cys Asp Gln His Ser Asp
145                 150                 155                 160

Ile Ala Gln Arg Tyr Arg Ile Ser Lys Tyr Pro Thr Leu Lys Leu Phe
                165                 170                 175

Arg Asn Gly Met Met Met Lys Arg Glu Tyr Arg Gly Gln Arg Ser Val
            180                 185                 190

Lys Ala Leu Ala Asp Tyr Ile Arg Gln Gln Lys Ser Asp Pro Ile Gln
        195                 200                 205

Glu Ile Arg Asp Leu Ala Glu Ile Thr Thr Leu Asp Arg Ser Lys Arg
    210                 215                 220

Asn Ile Ile Gly Tyr Phe Glu Gln Lys Asp Ser Asp Asn Tyr Arg Val
225                 230                 235                 240

Phe Glu Arg Val Ala Asn Ile Leu His Asp Asp Cys Ala Phe Leu Ser
                245                 250                 255

Ala Phe Gly Asp Val Ser Lys Pro Glu Arg Tyr Ser Gly Asp Asn Ile
            260                 265                 270

Ile Tyr Lys Pro Pro Gly His Ser Ala Pro Asp Met Val Tyr Leu Gly
        275                 280                 285
```

BNSDOCID: <WO__0122920A2_I_>

```
Ala Met Thr Asn Phe Asp Val Thr Tyr Asn Trp Ile Gln Asp Lys Cys
    290                 295                 300

Val Pro Leu Val Arg Glu Ile Thr Phe Glu Asn Gly Glu Glu Leu Thr
305                 310                 315                 320

Glu Glu Gly Leu Pro Phe Leu Ile Leu Phe His Met Lys Glu Asp Thr
                325                 330                 335

Glu Ser Leu Glu Ile Phe Gln Asn Glu Val Ala Arg Gln Leu Ile Ser
            340                 345                 350

Glu Lys Gly Thr Ile Asn Phe Leu His Ala Asp Cys Asp Lys Phe Arg
        355                 360                 365

His Pro Leu Leu His Ile Gln Lys Thr Pro Ala Asp Cys Pro Val Ile
    370                 375                 380

Ala Ile Asp Ser Phe Arg His Met Tyr Val Phe Gly Asp Phe Lys Asp
385                 390                 395                 400

Val Leu Ile Pro Gly Lys Leu Lys Gln Phe Val Phe Asp Leu His Ser
                405                 410                 415

Gly Lys Leu His Arg Glu Phe His His Gly Pro Asp Pro Thr Asp Thr
            420                 425                 430

Ala Pro Gly Glu Gln Ala Gln Asp Val Ala Ser Ser Pro Pro Glu Ser
        435                 440                 445

Ser Phe Gln Lys Leu Ala Pro Ser Glu Tyr Arg Tyr Thr Leu Leu Arg
    450                 455                 460

Asp Arg Asp Glu Leu
465
```

<210> 6283
<211> 172
<212> PRT
<213> Homo sapiens

<400> 6283

```
Pro Arg Gly Ala Arg Gln Asp Thr Glu Ala Gly Ser Pro Trp Cys Ser
  1               5                  10                  15

Tyr Arg His Gly Pro Leu Ser Ser Arg Gln Asp Cys Pro Arg Ala Trp
            20                  25                  30

Gln Trp Arg Gln Pro His Arg Pro Gly His Leu Gln Asp Val Pro Pro
```

35 40 45

Pro Gly Ile His Leu Gln Arg Leu Ser Gln Pro Gly Pro Arg Glu Ala
50 55 60

Leu Arg Glu Cys Pro Ser Gln Trp Pro Leu Ile Arg Gly Arg His Leu
65 70 75 80

Cys Gln Leu Arg Gln Pro Gln Gly Asp Ser Gly Pro Ala Gly Leu Gly
85 90 95

Arg Arg Asp Gly Pro Ser Ala Phe Cys His Pro Ala Arg Cys Cys His
100 105 110

Cys Ser Arg Gln Cys Pro Ala Pro Gly Leu Cys Ala Gly Gly Val Leu
115 120 125

Ala Ala Leu Pro Ser Ser Gly Leu Trp Glu Lys Gly Thr Met Asp Ala
130 135 140

Val Gly His Gly His Asp Gly Ala Ser Arg Arg Val Thr Leu Gly Leu
145 150 155 160

Gln Gly Asp Ile Lys Gly Gln Gly Cys Leu Leu Arg
165 170

<210> 6284
<211> 140
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6284
Pro Ser Pro Pro Ser Pro Pro Cys Asn Thr Thr Ala Leu Gly Ala Leu
1 5 10 15

Ser Thr Ser Ile Met Gly Pro Arg Pro His Ala Tyr Phe Gly Pro Glu
20 25 30

Ala Ser Ala Ser Lys Phe Lys Leu Leu His Pro Asp Phe Ile Ser Tyr
35 40 45

Leu Thr Glu Arg Phe Leu Lys Ser Lys Leu Ile Asn Thr His Phe Gly
50 55 60

5510

```
Asp Leu Tyr Met Pro Ser Thr Gly Ala Leu Met Leu Leu Thr Ala Xaa
 65                  70                  75                  80

His Thr Cys Asp Gln Val Ser Ala Tyr Gly Phe Ile Thr Ser Asn Tyr
                 85                  90                  95

Trp Lys Phe Ser Asp His Tyr Phe Glu Arg Lys Met Lys Pro Leu Ile
            100                 105                 110

Phe Tyr Ala Asn His Asp Leu Ser Leu Glu Ala Ala Leu Trp Arg Asp
        115                 120                 125

Leu His Lys Ala Gly Ile Leu Gln Leu Tyr Gln Arg
    130                 135                 140
```

<210> 6285
<211> 137
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6285

```
Ile Tyr Cys Ala Leu Leu Gly Cys Met Asp Asp Tyr Thr Thr Asp Ser
  1               5                  10                  15

Arg Gly Asp Val Gly Thr Trp Val Arg Lys Ala Ala Met Thr Ser Leu
             20                  25                  30

Met Asp Leu Thr Leu Leu Leu Ala Arg Ser Gln Pro Glu Leu Ile Glu
         35                  40                  45
```

```
Ala His Thr Cys Glu Arg Ile Met Cys Cys Val Ala Gln Gln Ala Ser
     50                  55                  60

Glu Lys Ile Asp Arg Phe Arg Ala His Ala Ala Ser Val Phe Leu Thr
 65                  70                  75                  80

Leu Leu His Phe Asp Ser Pro Pro Ile Pro His Val Pro His Arg Gly
                 85                  90                  95

Glu Leu Glu Lys Leu Phe Pro Arg Ser Asp Val Ala Ser Val Asn Trp
            100                 105                 110

Ser Ala Xaa Ser Gln Ala Phe Pro Arg Ile Thr Xaa Pro Trp Val Ala
        115                 120                 125

Thr Tyr Gly Xaa Xaa Ser Trp Trp Gly
    130                 135
```

<210> 6286
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6286

```
Arg Trp Gly Ser Lys Ser Pro Thr Ala Leu Pro Ile Phe Leu Glu Leu
  1               5                  10                  15

Thr Ala Gly Val Leu Ala Phe Val Phe Lys Asp Trp Ile Lys Asp Gln
            20                  25                  30

Leu Tyr Phe Phe Ile Xaa Asn Asn Ile Arg Ala Tyr Arg Asp Asp Ile
        35                  40                  45

Asp Leu Gln Asn Leu Ile Asp Phe Thr Gln Glu Tyr Trp Gln Cys Cys
     50                  55                  60

Gly Ala Phe Gly Ala Asp Asp Trp Asn Leu Asn Ile Tyr Phe Asn Cys
 65                  70                  75                  80

Thr Asp Ser Asn Ala Ser Arg Glu Arg Cys Gly Val Pro Phe Ser Cys
                 85                  90                  95

Cys Thr Lys Asp Pro Ala Glu Asp Val Ile Asn Thr Glu Cys Gly Tyr
```

BNSDOCID: <WO_ 0122920A2_I_>

100 105 110

Gly Cys Gln Ala Lys Thr Arg Ser
115 120

<210> 6287
<211> 153
<212> PRT
<213> Homo sapiens

<400> 6287
Ser Thr His Ala Ser Gly Ser Pro Ser Pro Ala Asn His Gly Glu Leu
1 5 10 15

Gly Ser Val Pro Gly Gly Arg Arg Arg Gly Cys Gln Ala Pro Gly Thr
20 25 30

Arg Gly Val Cys Arg Met Pro Val Thr Arg Leu His Glu Gly Arg Phe
35 40 45

His Leu Arg His Arg His Arg His Gly Leu Trp Leu Ala Asp Val His
50 55 60

Ser Glu Glu Val Ser Ile Pro Phe Ala Val Glu Pro Pro Ser Gly Arg
65 70 75 80

Gly Cys Arg Leu Cys Gly Gln Leu Arg Gly Asp Glu Ser Gly Val Gly
85 90 95

Glu Met Gln Gln Pro Leu Ala Leu Pro Gly Asp Arg Ala Ala Pro Gln
100 105 110

Arg Gln Glu His Arg Ser Glu Lys Leu Gly Glu Leu Gln Gln Gly His
115 120 125

Arg Gly Leu Gly Ala Gly Gly Val Trp Asn Thr Ala Phe Met Pro Pro
130 135 140

Asp Pro Arg Pro Thr Leu Pro Thr Pro
145 150

<210> 6288
<211> 108
<212> PRT
<213> Homo sapiens

<400> 6288

```
Ala Lys Ile Ala Lys Glu Glu Ile Phe Gly Pro Val Met Gln Ile Leu
  1               5                  10                  15

Lys Phe Lys Thr Ile Glu Glu Val Val Gly Arg Ala Asn Asn Ser Thr
             20                  25                  30

Tyr Gly Leu Ala Ala Ala Val Phe Thr Lys Asp Leu Asp Lys Ala Asn
         35                  40                  45

Tyr Leu Ser Gln Ala Leu Gln Ala Gly Thr Val Trp Val Asn Cys Tyr
     50                  55                  60

Asp Val Phe Gly Ala Gln Ser Pro Phe Gly Gly Tyr Lys Met Ser Gly
 65                  70                  75                  80

Ser Gly Arg Glu Leu Gly Glu Tyr Gly Leu Gln Ala Tyr Thr Glu Val
                 85                  90                  95

Lys Thr Val Thr Val Lys Val Pro Gln Lys Asn Ser
            100                 105
```

<210> 6289
<211> 341
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (225)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (231)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (291)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6289

```
Met Asn Thr Asn Trp Pro Ala Ser Val Gln Val Ser Val Asn Ala Thr
  1               5                  10                  15

Pro Leu Thr Ile Glu Arg Gly Asp Asn Lys Thr Ser His Lys Pro Leu
             20                  25                  30

Tyr Leu Lys His Val Cys Gln Pro Gly Arg Asn Thr Ile Gln Ile Thr
```

35 40 45

Val Thr Ala Cys Cys Cys Ser His Leu Phe Val Leu Gln Leu Val His
50 55 60

Arg Pro Ser Val Arg Ser Val Leu Gln Gly Leu Leu Lys Lys Arg Leu
65 70 75 80

Leu Pro Ala Glu His Cys Ile Thr Lys Ile Lys Arg Asn Phe Ser Ser
85 90 95

Gly Thr Ile Pro Gly Thr Pro Gly Pro Asn Gly Glu Asp Gly Val Glu
100 105 110

Gln Thr Ala Ile Lys Val Ser Leu Lys Cys Pro Ile Thr Phe Arg Arg
115 120 125

Ile Gln Leu Pro Ala Arg Gly His Asp Cys Arg His Ile Gln Cys Phe
130 135 140

Asp Leu Glu Ser Tyr Leu Gln Leu Asn Cys Glu Arg Gly Thr Trp Arg
145 150 155 160

Cys Pro Val Cys Asn Lys Thr Ala Leu Leu Glu Gly Leu Glu Val Asp
165 170 175

Gln Tyr Met Leu Gly Ile Leu Ile Tyr Ile Gln Asn Ser Asp Tyr Glu
180 185 190

Glu Ile Thr Ile Asp Pro Thr Cys Ser Trp Lys Pro Val Pro Val Lys
195 200 205

Pro Asp Met His Ile Lys Glu Glu Pro Asp Gly Pro Ala Leu Lys Arg
210 215 220

Xaa Arg Thr Val Ser Pro Xaa His Val Leu Met Pro Ser Val Met Glu
225 230 235 240

Met Ile Ala Ala Leu Gly Pro Gly Ala Ala Pro Phe Ala Pro Leu Gln
245 250 255

Pro Pro Ser Val Pro Pro Pro Ala Ser Arg Gln Ser Leu Gly Gln Ala
260 265 270

Ser Leu Gly Pro Thr Gly Glu Leu Ala Phe Ser Pro Ala Thr Gly Val
275 280 285

Met Gly Xaa Pro Ser Met Ser Gly Ala Gly Glu Ala Pro Glu Pro Ala
290 295 300

Leu Asp Leu Leu Pro Glu Leu Thr Asn Pro Asp Glu Leu Leu Ser Tyr

BNSDOCID: <WO 0122920A2 I >

305 310 315 320

Leu Gly Pro Pro Asp Leu Pro Thr Asn Asn Asn Asp Asp Leu Leu Ser
325 330 335

Leu Phe Glu Asn Asn
340

<210> 6290
<211> 235
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (156)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (214)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (229)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (233)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6290

```
Ala Val Leu Cys Pro Ser Xaa Pro Cys Gln Xaa Pro Thr Gln Pro Pro
 1               5                  10                  15

Gly Ala Cys Cys Pro Ser Cys Asp Ser Cys Thr Tyr His Ser Gln Val
            20                  25                  30

Tyr Ala Asn Gly Gln Asn Phe Thr Asp Ala Asp Ser Pro Cys His Ala
        35                  40                  45

Cys His Cys Gln Asp Gly Thr Val Thr Cys Ser Leu Val Asp Cys Pro
    50                  55                  60

Xaa Thr Thr Cys Ala Arg Pro Gln Ser Gly Pro Gly Gln Cys Cys Pro
65                  70                  75                  80

Arg Cys Pro Asp Cys Ile Leu Glu Glu Glu Val Phe Val Asp Gly Glu
                85                  90                  95

Ser Phe Ser His Pro Arg Asp Pro Cys Gln Glu Cys Arg Cys Gln Glu
            100                 105                 110

Gly His Ala His Cys Gln Pro Arg Pro Cys Pro Arg Ala Pro Cys Ala
        115                 120                 125

His Pro Leu Pro Gly Thr Cys Cys Pro Asn Asp Cys Ser Gly Cys Ala
    130                 135                 140

Phe Gly Gly Lys Glu Tyr Pro Ser Gly Ala Asp Xaa Pro His Pro Ser
145                 150                 155                 160

Asp Pro Cys Arg Leu Cys Arg Cys Leu Ser Gly Asn Val Gln Cys Leu
                165                 170                 175

Ala Arg Arg Cys Val Pro Leu Pro Cys Pro Glu Pro Val Leu Leu Pro
            180                 185                 190

Gly Glu Cys Cys Pro Glu Trp Pro Lys Pro Pro Ser Pro Arg Pro Ala
        195                 200                 205

Ala His Gly Pro Gly Xaa Gly Pro Thr Ala Arg Pro Pro Arg Lys Tyr
    210                 215                 220

Leu Phe Ser Pro Xaa Pro Gly Asp Xaa Leu Gly
225                 230                 235
```

<210> 6291
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6291
Ala Asp Asn Asn Phe Thr Gln Glu Thr Ala Met Thr Met Ile Thr Pro
1 5 10 15

Ser Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
20 25 30

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
35 40 45

Ser Xaa Arg Ala Lys Leu Gln
50 55

<210> 6292
<211> 421
<212> PRT
<213> Homo sapiens

<400> 6292
Val Gly Asp Cys Cys Val Pro Tyr Leu Asp Pro Glu Gly Thr Ser Leu
1 5 10 15

Leu Gly Trp Leu Ser Val Ser Leu Leu Ser Ser Gly Glu Ile Thr Ala
20 25 30

Ser Ser Ala Pro Arg Met Glu Pro Pro Gly Arg Arg Glu Cys Pro Phe
35 40 45

Pro Ser Trp Arg Phe Pro Gly Leu Leu Leu Ala Ala Met Val Leu Leu
50 55 60

Leu Tyr Ser Phe Ser Asp Ala Cys Glu Glu Pro Pro Thr Phe Glu Ala
65 70 75 80

Met Glu Leu Ile Gly Lys Pro Lys Pro Tyr Tyr Glu Ile Gly Glu Arg
85 90 95

Val Asp Tyr Lys Cys Lys Lys Gly Tyr Phe Tyr Ile Pro Pro Leu Ala
100 105 110

Thr His Thr Ile Cys Asp Arg Asn His Thr Trp Leu Pro Val Ser Asp
115 120 125

BNSDOCID: <WO 0122920A2_I_>

```
Asp Ala Cys Tyr Arg Glu Thr Cys Pro Tyr Ile Arg Asp Pro Leu Asn
    130                 135                 140

Gly Gln Ala Val Pro Ala Asn Gly Thr Tyr Glu Phe Gly Tyr Gln Met
145                 150                 155                 160

His Phe Ile Cys Asn Glu Gly Tyr Tyr Leu Ile Gly Glu Glu Ile Leu
                165                 170                 175

Tyr Cys Glu Leu Lys Gly Ser Val Ala Ile Trp Ser Gly Lys Pro Pro
            180                 185                 190

Ile Cys Glu Lys Val Leu Cys Thr Pro Pro Pro Lys Ile Lys Asn Gly
        195                 200                 205

Lys His Thr Phe Ser Glu Val Glu Val Phe Glu Tyr Leu Asp Ala Val
    210                 215                 220

Thr Tyr Ser Cys Asp Pro Ala Pro Gly Pro Asp Pro Phe Ser Leu Ile
225                 230                 235                 240

Gly Glu Ser Thr Ile Tyr Cys Gly Asp Asn Ser Val Trp Ser Arg Ala
                245                 250                 255

Ala Pro Glu Cys Lys Val Val Lys Cys Arg Phe Pro Val Val Glu Asn
            260                 265                 270

Gly Lys Gln Ile Ser Gly Phe Gly Lys Lys Phe Tyr Tyr Lys Ala Thr
        275                 280                 285

Val Met Phe Glu Cys Asp Lys Gly Phe Tyr Leu Asp Gly Ser Asp Thr
    290                 295                 300

Ile Val Cys Asp Ser Asn Ser Thr Trp Asp Pro Pro Val Pro Lys Cys
305                 310                 315                 320

Leu Lys Val Ser Thr Ser Ser Thr Thr Lys Ser Pro Ala Ser Ser Ala
                325                 330                 335

Ser Gly Pro Arg Pro Thr Tyr Lys Pro Pro Val Ser Asn Tyr Pro Gly
            340                 345                 350

Tyr Pro Lys Pro Glu Glu Gly Ile Leu Asp Ser Leu Asp Val Trp Val
        355                 360                 365

Ile Ala Val Ile Val Ile Ala Ile Val Val Gly Val Ala Val Ile Cys
    370                 375                 380

Val Val Pro Tyr Arg Tyr Leu Gln Arg Arg Lys Lys Lys Gly Lys Ala
385                 390                 395                 400
```

BNSDOCID: <WO__ 0122920A2 I_ >

```
Asp Gly Gly Ala Glu Tyr Ala Thr Tyr Gln Thr Lys Ser Thr Thr Pro
                405                 410                 415

Ala Glu Gln Arg Gly
            420
```

<210> 6293
<211> 80
<212> PRT
<213> Homo sapiens

<400> 6293

```
Gly His Cys Gln Gly Leu Lys Pro Val Glu Gln Pro Leu Ala Met Ser
  1               5                  10                  15

Pro Leu Gln Tyr Ser Phe Met Ala Val Ile His Phe Ala Gly Leu Lys
            20                  25                  30

Ala Val Gly Glu Ser Val Gln Lys Pro Leu Asp Tyr Tyr Arg Val Asn
         35                  40                  45

Leu Thr Gly Thr Ile Gln Leu Leu Glu Ile Met Lys Ala His Gly Val
     50                  55                  60

Lys Asn Leu Val Phe Ser Ser Ser Ala Thr Val Tyr Gly Asn Pro Gln
 65                  70                  75                  80
```

<210> 6294
<211> 78
<212> PRT
<213> Homo sapiens

<400> 6294

```
Glu Ala Asp Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys
  1               5                  10                  15

Val Cys Ile Gln Thr His Ile Phe Leu Lys Cys Lys Tyr Ser Leu Phe
            20                  25                  30

Lys Lys Ile Ile Ile Thr Ala Lys Gln Ile Thr Ser Asn Ser Phe Ile
         35                  40                  45

Leu Ile Tyr Pro Val Phe Arg Phe Ser Arg Leu Ala Pro Asn Phe Phe
     50                  55                  60
```

BNSDOCID: <WO 0122920A2 I >

```
Thr Asp Tyr Leu Asn Leu Ile Gln Phe Met Tyr Cys Asn Val
 65                  70                  75

<210> 6295
<211> 284
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6295
Phe Ser Val Val Asp Xaa Arg Lys Phe Ser Ala Val Ser Gly Glu Thr
  1               5                  10                  15

Arg Gly Leu Arg Val Ser Leu Ser Val Phe Gln Ser Pro Gly Ala Val
             20                  25                  30

Val Gln Gly Leu Gly Leu Val Met Ala Ser Pro Ser Arg Arg Leu Gln
         35                  40                  45

Thr Lys Pro Val Ile Thr Cys Phe Lys Ser Val Leu Leu Ile Tyr Thr
     50                  55                  60

Phe Ile Phe Trp Ile Thr Gly Val Ile Leu Leu Ala Val Gly Ile Trp
 65                  70                  75                  80

Gly Lys Val Ser Leu Glu Asn Tyr Phe Ser Leu Leu Asn Glu Lys Ala
                 85                  90                  95

Thr Asn Val Pro Phe Val Leu Ile Ala Thr Gly Thr Val Ile Ile Leu
            100                 105                 110

Leu Gly Thr Phe Gly Cys Phe Ala Thr Cys Arg Ala Ser Ala Trp Met
        115                 120                 125

Leu Lys Leu Tyr Ala Met Phe Leu Thr Leu Val Phe Leu Val Glu Leu
    130                 135                 140

Val Ala Ala Ile Val Gly Phe Val Phe Arg His Glu Ile Lys Asn Ser
145                 150                 155                 160

Phe Lys Asn Asn Tyr Glu Lys Ala Leu Lys Gln Tyr Asn Ser Thr Gly
                165                 170                 175

Asp Tyr Arg Ser His Ala Val Asp Lys Ile Gln Asn Thr Leu His Cys
```

180 185 190

Cys Gly Val Thr Asp Tyr Arg Asp Trp Thr Asp Thr Asn Tyr Tyr Ser
195 200 205

Glu Lys Gly Phe Pro Lys Ser Cys Cys Lys Leu Glu Asp Cys Thr Pro
210 215 220

Gln Arg Asp Ala Asp Lys Val Asn Asn Glu Gly Cys Phe Ile Lys Val
225 230 235 240

Met Thr Ile Ile Glu Ser Glu Met Gly Val Val Ala Gly Ile Ser Phe
245 250 255

Gly Val Ala Cys Phe Gln Leu Ile Gly Ile Phe Leu Ala Tyr Cys Leu
260 265 270

Ser Arg Ala Ile Thr Asn Asn Gln Tyr Glu Ile Val
275 280

<210> 6296
<211> 368
<212> PRT
<213> Homo sapiens

<400> 6296
Lys Thr Leu Ser Gly Gly Gly Arg Arg Gln Lys Gly Trp Asp Val Ser
1 5 10 15

Phe Lys Phe Pro Gly His Ser Leu Ile Val Leu Tyr Val Pro Ala Asp
20 25 30

Cys Gln Cys Asp Leu Thr Leu Ser Ser His Pro Ser Ser Val Pro Ala
35 40 45

Met Ser Ser Cys Asn Phe Thr His Ala Thr Phe Val Leu Ile Gly Ile
50 55 60

Pro Gly Leu Glu Lys Ala His Phe Trp Val Gly Phe Pro Leu Leu Ser
65 70 75 80

Met Tyr Val Val Ala Met Phe Gly Asn Cys Ile Val Val Phe Ile Val
85 90 95

Arg Thr Glu Arg Ser Leu His Ala Pro Met Tyr Leu Phe Leu Cys Met
100 105 110

Leu Ala Ala Ile Asp Leu Ala Leu Ser Thr Ser Thr Met Pro Lys Ile
115 120 125

Leu Ala Leu Phe Trp Phe Asp Ser Arg Glu Ile Ser Phe Glu Ala Cys
130 135 140

Leu Thr Gln Met Phe Phe Ile His Ala Leu Ser Ala Ile Glu Ser Thr
145 150 155 160

Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile Cys His Pro
165 170 175

Leu Arg His Ala Ala Val Leu Asn Asn Thr Val Thr Ala Gln Ile Gly
180 185 190

Ile Val Ala Val Val Arg Gly Ser Leu Phe Phe Phe Pro Leu Pro Leu
195 200 205

Leu Ile Lys Arg Leu Ala Phe Cys His Ser Asn Val Leu Ser His Ser
210 215 220

Tyr Cys Val His Gln Asp Val Met Lys Leu Ala Tyr Ala Asp Thr Leu
225 230 235 240

Pro Asn Val Val Tyr Gly Leu Thr Ala Ile Leu Leu Val Met Gly Val
245 250 255

Asp Val Met Phe Ile Ser Leu Ser Tyr Phe Leu Ile Ile Arg Thr Val
260 265 270

Leu Gln Leu Pro Ser Lys Ser Glu Arg Ala Lys Ala Phe Gly Thr Cys
275 280 285

Val Ser His Ile Gly Val Val Leu Ala Phe Tyr Val Pro Leu Ile Gly
290 295 300

Leu Ser Val Val His Arg Phe Gly Asn Ser Leu His Pro Ile Val Arg
305 310 315 320

Val Val Met Gly Asp Ile Tyr Leu Leu Leu Pro Pro Val Ile Asn Pro
325 330 335

Ile Ile Tyr Gly Ala Lys Thr Lys Gln Ile Arg Thr Arg Val Leu Ala
340 345 350

Met Phe Lys Ile Ser Cys Asp Lys Asp Leu Gln Ala Val Gly Gly Lys
355 360 365

BNSDOCID: <WO__0122920A2 I. >

<210> 6297
<211> 335
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6297
Thr Ser Ser Ile Ser Tyr Leu Tyr Asn Lys Leu Pro Arg Arg Arg Ala
1 5 10 15

Asp Leu Phe Gly Glu Glu Leu Glu Arg Leu Leu Lys Xaa Lys Tyr Glu
20 25 30

Gly His Trp Tyr Pro Glu Lys Pro Leu Lys Gly Ser Gly Phe Arg Cys
35 40 45

Val His Ile Gly Glu Met Val Asp Pro Val Val Glu Leu Ala Ala Lys
50 55 60

Arg Ser Gly Leu Ala Val Glu Asp Val Arg Ala Asn Val Pro Glu Glu
65 70 75 80

Leu Ser Val Trp Ile Asp Pro Phe Glu Val Ser Tyr Gln Ile Gly Glu
85 90 95

Lys Gly Ala Val Lys Val Leu Tyr Leu Asp Asp Ser Glu Gly Cys Gly
100 105 110

Ala Pro Glu Leu Asp Lys Glu Ile Lys Ser Ser Phe Asn Pro Asp Ala
115 120 125

Gln Val Phe Val Pro Ile Gly Ser Gln Asp Ser Ser Leu Ser Asn Ser
130 135 140

Pro Ser Pro Ser Phe Gly Gln Ser Pro Ser Pro Thr Phe Ile Pro Arg
145 150 155 160

Ser Ala Gln Pro Ile Thr Phe Thr Thr Ala Ser Phe Ala Ala Thr Lys
165 170 175

Phe Gly Ser Thr Lys Met Lys Lys Gly Gly Gly Ala Ala Ser Gly Gly
180 185 190

Gly Val Ala Ser Ser Gly Ala Gly Gly Gln Gln Pro Pro Gln Gln Pro
195 200 205

Arg Met Ala Arg Ser Pro Thr Asn Ser Leu Leu Lys His Lys Ser Leu

BNSDOCID: <WO 0122920A2 I >

```
    210                 215                 220

Ser Leu Ser Met His Ser Leu Asn Phe Ile Thr Ala Asn Pro Ala Pro
225                 230                 235                 240

Gln Ser Gln Leu Ser Pro Asn Ala Lys Glu Phe Val Tyr Asn Gly Gly
                245                 250                 255

Gly Ser Pro Ser Leu Phe Phe Asp Ala Ala Asp Gly Gln Gly Ser Gly
            260                 265                 270

Thr Pro Gly Pro Phe Gly Gly Ser Gly Ala Gly Thr Cys Asn Ser Ser
        275                 280                 285

Ser Phe Asp Met Ala Gln Val Phe Gly Gly Gly Ala Asn Ser Leu Phe
    290                 295                 300

Leu Glu Lys Thr Pro Phe Val Glu Gly Leu Ser Tyr Asn Leu Asn Thr
305                 310                 315                 320

Met Gln Tyr Pro Ser Gln Gln Phe Gln Pro Val Val Leu Ala Asn
                325                 330                 335
```

<210> 6298
<211> 461
<212> PRT
<213> Homo sapiens

<400> 6298

```
Gln Ser Leu Asn Asn Tyr Leu Val Ile Pro Thr Ser Ala Pro Trp Cys
  1               5                  10                  15

Glu Gln Leu Leu Asn Met Asn Tyr Ser Leu His Leu Ala Phe Val Cys
            20                  25                  30

Leu Ser Leu Phe Thr Glu Arg Met Cys Ile Gln Gly Ser Gln Phe Asn
        35                  40                  45

Val Glu Val Gly Arg Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn
    50                  55                  60

Leu Thr Ala Gly Tyr Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu
65                  70                  75                  80

Pro Val Gln Ile Ala Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile
                85                  90                  95

Ser Glu Ser Asn Met Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg
            100                 105                 110
```

```
Trp Met Asp Gln Arg Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu
        115                 120                 125

Asp Ala Arg Leu Val Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val
    130                 135                 140

Glu Ser Lys Lys Ser Phe Leu His Glu Val Thr Val Gly Asn Arg Leu
145                 150                 155                 160

Ile Arg Leu Phe Ser Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr
                165                 170                 175

Thr Thr Val Ala Cys Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr
            180                 185                 190

Gln Thr Cys Lys Leu Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp
        195                 200                 205

Val Glu Phe Thr Trp Leu Arg Gly Asn Asp Ser Val Arg Gly Leu Glu
    210                 215                 220

His Leu Arg Leu Ala Gln Tyr Thr Ile Glu Arg Tyr Phe Thr Leu Val
225                 230                 235                 240

Thr Arg Ser Gln Gln Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln
                245                 250                 255

Phe Glu Leu Arg Arg Asn Val Leu Tyr Phe Ile Leu Glu Thr Tyr Val
            260                 265                 270

Pro Ser Thr Phe Leu Val Val Leu Ser Trp Val Ser Phe Trp Ile Ser
        275                 280                 285

Leu Asp Ser Val Pro Ala Arg Thr Cys Ile Gly Val Thr Thr Val Leu
    290                 295                 300

Ser Met Thr Thr Leu Met Ile Gly Ser Arg Thr Ser Leu Pro Asn Thr
305                 310                 315                 320

Asn Cys Phe Ile Lys Ala Ile Asp Val Tyr Leu Gly Ile Cys Phe Ser
                325                 330                 335

Phe Val Phe Gly Ala Leu Leu Glu Tyr Ala Val Ala His Tyr Ser Ser
            340                 345                 350

Leu Gln Gln Met Ala Ala Lys Asp Arg Gly Thr Thr Lys Glu Val Glu
        355                 360                 365

Glu Val Ser Ile Thr Asn Ile Ile Asn Ser Ser Ile Ser Ser Phe Lys
    370                 375                 380
```

```
Arg Lys Ile Ser Phe Ala Ser Ile Glu Ile Ser Ser Asp Asn Val Asp
385                 390                 395                 400

Tyr Ser Asp Leu Thr Met Lys Thr Ser Asp Lys Phe Lys Phe Val Phe
                405                 410                 415

Arg Glu Lys Met Gly Arg Ile Val Asp Tyr Phe Thr Ile Gln Asn Pro
            420                 425                 430

Ser Asn Val Asp His Tyr Ser Lys Leu Leu Phe Pro Leu Ile Phe Met
        435                 440                 445

Leu Ala Asn Val Phe Tyr Trp Ala Tyr Tyr Met Tyr Phe
    450                 455                 460
```

<210> 6299
<211> 403
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (244)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6299

```
Ala Gly Trp Ser Pro Glu Ser Leu Ala Tyr Trp Pro Xaa Arg Ser Asp
  1               5                  10                  15

Thr Glu Val Pro Pro Leu Asp Leu Gly Trp Thr Asp Thr Gly Phe Tyr
            20                  25                  30

Arg Gly Val Ser Xaa Val Thr Leu Phe Thr His Pro Pro Lys Asp Glu
```

35 40 45

Lys Ala Pro His Leu Lys Gln Xaa Val Arg Gln Met Ile Gln Gln Ala
50 55 60

Gln Lys Val Ile Ala Val Val Met Asp Leu Phe Thr Asp Gly Asp Ile
65 70 75 80

Phe Gln Asp Ile Val Asp Ala Ala Cys Lys Arg Arg Val Pro Val Tyr
85 90 95

Ile Ile Leu Asp Glu Ala Gly Val Lys Tyr Phe Leu Glu Met Cys Gln
100 105 110

Asp Leu Gln Leu Thr Asp Phe Arg Ile Arg Asn Ile Arg Val Arg Ser
115 120 125

Val Thr Gly Val Gly Phe Tyr Met Pro Met Gly Arg Ile Lys Gly Thr
130 135 140

Leu Ser Ser Arg Phe Leu Met Val Asp Gly Asp Lys Val Ala Thr Gly
145 150 155 160

Ser Tyr Arg Phe Thr Trp Ser Ser Ser His Val Asp Arg Asn Leu Leu
165 170 175

Leu Leu Leu Thr Gly Gln Asn Val Glu Pro Phe Asp Thr Glu Phe Arg
180 185 190

Glu Leu Tyr Ala Ile Ser Glu Glu Val Asp Leu Tyr Arg Gln Leu Ser
195 200 205

Leu Ala Gly Arg Val Gly Leu His Tyr Ser Ser Thr Val Ala Arg Lys
210 215 220

Leu Ile Asn Pro Lys Tyr Ala Leu Val Ser Gly Cys Arg His Pro Pro
225 230 235 240

Gly Glu Met Xaa Arg Trp Ala Ala Arg Gln Gln Arg Glu Ala Gly Gly
245 250 255

Asn Pro Glu Gly Gln Glu Glu Gly Ala Ser Gly Gly Glu Ser Ala Trp
260 265 270

Arg Leu Glu Ser Phe Leu Lys Asp Leu Val Thr Val Glu Gln Val Leu
275 280 285

Pro Pro Val Glu Pro Ile Pro Leu Gly Glu Leu Ser Gln Lys Asp Gly
290 295 300

Arg Met Val Ser His Met His Arg Asp Leu Lys Pro Lys Ser Arg Glu

BNSDOCID <WO _ 0122920A2 I >

305 310 315 320

Ala Pro Ser Arg Asn Gly Met Gly Glu Ala Ala Arg Gly Glu Ala Ala
325 330 335

Pro Ala Gly Arg Phe Ser Ser Arg Leu Phe Ser Arg Arg Ala Lys Arg
340 345 350

Pro Ala Ala Pro Asn Gly Met Ala Ser Ser Val Ser Thr Glu Thr Ser
355 360 365

Glu Val Glu Phe Leu Thr Gly Lys Arg Pro Asn Glu Asn Ser Ser Ala
370 375 380

Asp Ile Ser Gly Lys Thr Ser Pro Ser Ser Ala Lys Pro Ser Asn Cys
385 390 395 400

Val Ile Ser

<210> 6300
<211> 775
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6300
Gln Xaa Xaa Tyr Xaa Xaa Pro Gly Arg Pro Thr Arg Pro Gly Ser Ser
1 5 10 15

```
Gly Ala Lys Met Ser Phe Val Ala Gly Val Ile Arg Arg Leu Asp Glu
            20                  25                  30

Thr Val Val Asn Arg Ile Ala Ala Gly Glu Val Ile Gln Arg Pro Ala
        35                  40                  45

Asn Ala Ile Lys Glu Met Ile Glu Asn Cys Leu Asp Ala Lys Ser Thr
    50                  55                  60

Ser Ile Gln Val Ile Val Lys Glu Gly Gly Leu Lys Leu Ile Gln Ile
65                  70                  75                  80

Gln Asp Asn Gly Thr Gly Ile Arg Lys Glu Asp Leu Asp Ile Val Cys
                85                  90                  95

Glu Arg Phe Thr Thr Ser Lys Leu Gln Ser Phe Glu Asp Leu Ala Ser
            100                 105                 110

Ile Ser Thr Tyr Gly Phe Arg Gly Glu Ala Leu Ala Ser Ile Ser His
        115                 120                 125

Val Ala His Val Thr Ile Thr Thr Lys Thr Ala Asp Gly Lys Cys Ala
    130                 135                 140

Tyr Arg Ala Ser Tyr Ser Asp Gly Lys Leu Lys Ala Pro Pro Lys Pro
145                 150                 155                 160

Cys Ala Gly Asn Gln Gly Thr Gln Ile Thr Val Glu Asp Leu Phe Tyr
                165                 170                 175

Asn Ile Ala Thr Arg Arg Lys Ala Leu Lys Asn Pro Ser Glu Glu Tyr
            180                 185                 190

Gly Lys Ile Leu Glu Val Val Gly Arg Tyr Ser Val His Asn Ala Gly
        195                 200                 205

Ile Ser Phe Ser Val Lys Lys Gln Gly Glu Thr Val Ala Asp Val Arg
    210                 215                 220

Thr Leu Pro Asn Ala Ser Thr Val Asp Asn Ile Arg Ser Ile Phe Gly
225                 230                 235                 240

Asn Ala Val Ser Arg Glu Leu Ile Glu Ile Gly Cys Glu Asp Lys Thr
                245                 250                 255

Leu Ala Phe Lys Met Asn Gly Tyr Ile Ser Asn Ala Asn Tyr Ser Val
            260                 265                 270

Lys Lys Cys Ile Phe Leu Leu Phe Ile Asn His Arg Leu Val Glu Ser
        275                 280                 285
```

Thr Ser Leu Arg Lys Ala Ile Glu Thr Val Tyr Ala Ala Tyr Leu Pro
290 295 300

Lys Asn Thr His Pro Phe Leu Tyr Leu Ser Leu Glu Ile Ser Pro Gln
305 310 315 320

Asn Val Asp Val Asn Val His Pro Thr Lys His Glu Val His Phe Leu
325 330 335

His Glu Glu Ser Ile Leu Glu Arg Val Gln Gln His Ile Glu Ser Lys
340 345 350

Leu Leu Gly Ser Asn Ser Ser Arg Met Tyr Phe Thr Gln Thr Leu Leu
355 360 365

Pro Gly Leu Ala Gly Pro Ser Gly Glu Met Val Lys Ser Thr Thr Ser
370 375 380

Leu Thr Ser Ser Ser Thr Ser Gly Ser Ser Asp Lys Val Tyr Ala His
385 390 395 400

Gln Met Val Arg Thr Asp Ser Arg Glu Gln Lys Leu Asp Ala Phe Leu
405 410 415

Gln Pro Leu Ser Lys Pro Leu Ser Ser Gln Pro Gln Ala Ile Val Thr
420 425 430

Glu Asp Lys Thr Asp Ile Ser Ser Gly Arg Ala Arg Gln Gln Asp Glu
435 440 445

Glu Met Leu Glu Leu Pro Ala Pro Ala Glu Val Ala Ala Lys Asn Gln
450 455 460

Ser Leu Glu Gly Asp Thr Thr Lys Gly Thr Ser Glu Met Ser Glu Lys
465 470 475 480

Arg Gly Pro Thr Ser Ser Asn Pro Arg Lys Arg His Arg Glu Asp Ser
485 490 495

Asp Val Glu Met Val Glu Asp Asp Ser Arg Lys Glu Met Thr Ala Ala
500 505 510

Cys Thr Pro Arg Arg Arg Ile Ile Asn Leu Thr Ser Val Leu Ser Leu
515 520 525

Gln Glu Glu Ile Asn Glu Gln Gly His Glu Val Leu Arg Glu Met Leu
530 535 540

His Asn His Ser Phe Val Gly Cys Val Asn Pro Gln Trp Ala Leu Ala
545 550 555 560

```
Gln His Gln Thr Lys Leu Tyr Leu Leu Asn Thr Thr Lys Leu Ser Glu
                565                 570                 575

Glu Leu Phe Tyr Gln Ile Leu Ile Tyr Asp Phe Ala Asn Phe Gly Val
            580                 585                 590

Leu Arg Leu Ser Glu Pro Ala Pro Leu Phe Asp Leu Ala Met Leu Ala
        595                 600                 605

Leu Asp Ser Pro Glu Ser Gly Trp Thr Glu Glu Asp Gly Pro Lys Glu
    610                 615                 620

Gly Leu Ala Glu Tyr Ile Val Glu Phe Leu Lys Lys Lys Ala Glu Met
625                 630                 635                 640

Leu Ala Asp Tyr Phe Ser Leu Glu Ile Asp Glu Glu Gly Asn Leu Ile
                645                 650                 655

Gly Leu Pro Leu Leu Ile Asp Asn Tyr Val Pro Pro Leu Glu Gly Leu
            660                 665                 670

Pro Ile Phe Ile Leu Arg Leu Ala Thr Glu Val Asn Trp Asp Glu Glu
        675                 680                 685

Lys Glu Cys Phe Glu Ser Leu Ser Lys Glu Cys Ala Met Phe Tyr Ser
    690                 695                 700

Ile Arg Lys Gln Tyr Ile Ser Glu Glu Ser Thr Leu Ser Gly Gln Gln
705                 710                 715                 720

Ser Glu Val Pro Gly Ser Ile Pro Asn Ser Trp Lys Trp Thr Val Glu
                725                 730                 735

His Ile Val Tyr Lys Ala Leu Arg Ser His Ile Leu Pro Pro Lys His
            740                 745                 750

Phe Thr Glu Asp Gly Asn Ile Leu Gln Leu Ala Asn Leu Pro Asp Leu
        755                 760                 765

Tyr Lys Val Phe Glu Arg Cys
    770                 775
```

<210> 6301
<211> 159
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (149)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6301

```
Ala Gln Leu Val Phe Pro Ser Ser Cys Leu Ala Phe Xaa Ser Pro Leu
  1               5                  10                  15

Ser Val Phe Lys Arg Phe Lys Glu Thr Thr Arg Pro Phe Ser Asn Glu
             20                  25                  30

Cys Leu Gly Thr Thr Arg Pro Val Val Pro Ile Asp Ser Ser Asp Phe
         35                  40                  45

Ala Leu Asp Ile Arg Met Pro Gly Val Thr Pro Lys Gln Ser Asp Thr
     50                  55                  60

Tyr Phe Cys Met Ser Met Arg Ile Pro Val Asp Glu Glu Ala Phe Val
 65                  70                  75                  80

Ile Asp Phe Lys Pro Arg Ala Ser Met Asp Thr Val His His Met Leu
                 85                  90                  95

Leu Phe Gly Cys Asn Met Pro Ser Ser Thr Gly Xaa Tyr Trp Phe Cys
            100                 105                 110

Asp Glu Gly Thr Cys Thr Asp Lys Ala Asn Asp Ser Val Cys Leu Gly
        115                 120                 125

Glu Lys Cys Phe Pro Leu Pro Gly Leu Pro Lys Xaa Cys Trp Asp Ser
    130                 135                 140

Glu Leu Gly Gly Xaa Asp Trp Glu Val Asn Thr Trp Tyr Tyr Arg
145                 150                 155
```

<210> 6302
<211> 211
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6302

Asp	Ser	Tyr	Arg	Glu	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr	Arg	Ser	Gly	Ile
1				5					10					15	

Pro	Gly	Ser	Thr	His	Ala	Ser	Gly	Lys	Gly	Phe	Tyr	Ser	Tyr	Gln	Ser
			20					25					30		

Leu	His	Glu	Trp	Phe	Arg	Asp	Thr	Asp	Ala	Glu	Phe	Val	Asp	Ile	Asp
		35					40					45			

Gly	Lys	Ser	His	Leu	Ile	Leu	Xaa	Xaa	Arg	Ser	Xaa	Val	Pro	Ile	Ile
	50					55					60				

Leu	Gln	Trp	Asn	Lys	Ser	Ser	Lys	Lys	Phe	Val	Pro	His	Gly	Asp	Ile
65					70					75					80

Pro	Asn	Met	Glu	Asp	Val	Leu	Ala	Val	Lys	Ser	Phe	Arg	Met	Gln	Asn
			85						90					95	

Thr	Leu	Tyr	Leu	Ser	Leu	Thr	Arg	Phe	Ile	Gly	Asp	Ser	Arg	Val	Met
			100					105					110		

Arg	Trp	Asn	Ser	Lys	Gln	Phe	Val	Glu	Ile	Gln	Ala	Leu	Pro	Ser	Arg
		115					120					125			

Gly	Ala	Met	Thr	Leu	Gln	Pro	Phe	Ser	Phe	Lys	Asp	Asn	His	Tyr	Leu
	130					135					140				

Ala	Leu	Gly	Ser	Asp	Tyr	Thr	Phe	Ser	Gln	Ile	Tyr	Gln	Trp	Asp	Lys
145					150					155					160

```
Glu Lys Gln Leu Phe Lys Lys Phe Lys Glu Ile Tyr Val Gln Ala Pro
                165                 170                 175

Arg Ser Phe Thr Ala Val Ser Thr Asp Arg Arg Asp Phe Phe Phe Ala
            180                 185                 190

Ser Ser Phe Lys Gly Lys Thr Lys Ile Phe Glu His Ile Ile Val Asp
        195                 200                 205

Leu Ser Leu
    210
```

<210> 6303
<211> 704
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6303

```
Arg His Pro Ala Ala His Pro Ala Gly Pro Gly Glu Ala Leu Ala Ala
  1               5                  10                  15

Val Leu Lys Glu Val Cys Asp Ala Trp Ser Leu Thr His Ser Glu Arg
             20                  25                  30

Tyr Ala Leu Gln Phe Ala Asp Gly His Arg Arg Tyr Ile Thr Glu Asn
         35                  40                  45

Asn Arg Ala Glu Ile Lys Asn Gly Ser Ile Leu Cys Leu Ser Thr Ala
     50                  55                  60

Pro Asp Leu Glu Ala Glu Gln Leu Leu Gly Gly Leu Gln Ser Asn Ser
 65                  70                  75                  80

Pro Glu Gly Arg Arg Glu Ala Leu Xaa Arg Leu Val Pro Leu Ala Ser
                85                  90                  95

Asp Met Ile Phe Ala Arg Glu Val Ile Ser Arg Asn Gly Leu Gln Ile
            100                 105                 110
```

BNSDOCID: <WO__ 0122920A2 I >

Leu Gly Thr Ile Ile Glu Asp Gly Asp Xaa Leu Gly Glu Val Leu Ala
115 120 125

Leu Ser Leu Arg Ala Phe Ser Glu Leu Met Glu His Gly Val Val Ser
130 135 140

Trp Glu Thr Leu Ser Ile Pro Phe Val Arg Lys Val Val Cys Tyr Val
145 150 155 160

Asn Met Asn Leu Met Asp Ala Ser Val Pro Pro Leu Ala Leu Gly Leu
165 170 175

Leu Glu Ser Val Thr Leu Ser Ser Pro Ala Leu Gly Gln Leu Val Lys
180 185 190

Ser Glu Val Pro Leu Asp Arg Leu Leu Val His Leu Gln Val Met Asn
195 200 205

Gln Gln Leu Gln Thr Lys Ala Met Ala Leu Leu Thr Ala Leu Leu Gln
210 215 220

Gly Ala Ser Pro Val Glu Arg Lys His Met Leu Asp Tyr Leu Trp Gln
225 230 235 240

Arg Asn Leu Arg Gln Phe Ile Tyr Lys Asn Ile Ile His Ser Ala Ala
245 250 255

Pro Met Gly Asp Glu Met Ala His His Leu Tyr Val Leu Gln Ala Leu
260 265 270

Met Leu Gly Leu Leu Glu Pro Arg Met Arg Thr Pro Leu Asp Pro Tyr
275 280 285

Ser Gln Glu Gln Arg Glu Gln Leu Gln Val Leu Arg Gln Ala Ala Phe
290 295 300

Glu Val Glu Gly Glu Ser Ser Gly Ala Gly Leu Ser Ala Asp Arg Arg
305 310 315 320

Arg Ser Leu Cys Ala Arg Glu Phe Arg Lys Leu Gly Phe Ser Asn Ser
325 330 335

Asn Pro Ala Gln Asp Leu Glu Arg Val Pro Pro Gly Leu Leu Ala Leu
340 345 350

Asp Asn Met Leu Tyr Phe Ser Arg Asn Ala Pro Ser Ala Tyr Ser Arg
355 360 365

Phe Val Leu Glu Asn Ser Ser Arg Glu Asp Lys His Glu Cys Pro Phe
370 375 380

```
Ala Arg Gly Ser Ile Gln Leu Thr Val Leu Leu Cys Glu Leu Leu Arg
385                 390                 395                 400

Val Gly Glu Pro Cys Ser Glu Thr Ala Gln Asp Phe Ser Pro Met Phe
                405                 410                 415

Phe Gly Gln Asp Gln Ser Phe His Glu Leu Phe Cys Val Gly Ile Gln
            420                 425                 430

Leu Leu Asn Lys Thr Trp Lys Glu Met Arg Ala Thr Gln Glu Asp Phe
        435                 440                 445

Asp Lys Val Met Gln Val Val Arg Glu Gln Leu Ala Arg Thr Leu Ala
    450                 455                 460

Leu Lys Pro Thr Ser Leu Glu Leu Phe Arg Thr Lys Val Asn Ala Leu
465                 470                 475                 480

Thr Tyr Gly Glu Val Leu Arg Leu Arg Gln Thr Glu Arg Leu His Gln
                485                 490                 495

Glu Gly Thr Leu Ala Pro Pro Ile Leu Glu Leu Arg Glu Lys Leu Lys
            500                 505                 510

Pro Glu Leu Met Gly Leu Ile Arg Gln Gln Arg Leu Leu Arg Leu Cys
        515                 520                 525

Glu Gly Thr Leu Phe Arg Lys Ile Ser Ser Arg Arg Arg Gln Asp Lys
    530                 535                 540

Leu Trp Phe Cys Cys Leu Ser Pro Asn His Lys Leu Leu Gln Tyr Gly
545                 550                 555                 560

Asp Met Glu Glu Gly Ala Ser Pro Pro Thr Leu Glu Ser Leu Pro Glu
                565                 570                 575

Gln Leu Pro Val Ala Asp Met Arg Ala Leu Leu Thr Gly Lys Asp Cys
            580                 585                 590

Pro His Val Arg Glu Lys Gly Ser Gly Lys Gln Asn Lys Asp Leu Tyr
        595                 600                 605

Glu Leu Ala Phe Ser Ile Ser Tyr Asp Arg Gly Glu Glu Glu Ala Tyr
    610                 615                 620

Leu Asn Phe Ile Ala Pro Ser Lys Arg Glu Phe Tyr Leu Trp Thr Asp
625                 630                 635                 640

Gly Leu Ser Ala Leu Leu Gly Ser Pro Met Gly Ser Glu Gln Thr Arg
                645                 650                 655
```

BNSDOCID: <WO___0122920A2_I_>

```
Leu Asp Leu Glu Gln Leu Leu Thr Met Glu Thr Lys Leu Arg Leu Leu
            660                 665                 670

Glu Leu Glu Asn Val Pro Ile Pro Glu Arg Pro Pro Pro Val Pro Pro
        675                 680                 685

Pro Pro Thr Asn Phe Asn Phe Cys Tyr Asp Cys Ser Ile Ala Glu Pro
    690                 695                 700
```

<210> 6304
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6304

```
Leu Pro Leu Leu Gln Xaa Glu Met Cys Ile Arg Asp Ser Tyr Arg Arg
  1               5                  10                  15

Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser
             20                  25                  30

Ala His Ala Ser Ala Asp Ala Trp Ala Val Thr Glu Ile Ile Phe Pro
         35                  40                  45

Tyr Glu Gln Thr Leu Cys Val Arg Pro Val Ser His Met Ser Arg Ala
     50                  55                  60

Cys Val Gln Val Cys Phe Trp His Val Pro His
 65                  70                  75
```

<210> 6305
<211> 238
<212> PRT
<213> Homo sapiens

<400> 6305

```
Glu Ile Ser His Asn Leu Gly Val Cys Tyr Ile Tyr Leu Lys Gln Phe
  1               5                  10                  15
```

BNSDOCID: <WO__0122920A2_I_>

Asn Lys Ala Gln Asp Gln Leu His Asn Ala Leu Asn Leu Asn Arg His
20 25 30

Asp Leu Thr Tyr Ile Met Leu Gly Lys Ile His Leu Leu Glu Gly Asp
35 40 45

Leu Asp Lys Ala Ile Glu Val Tyr Lys Lys Ala Val Glu Phe Ser Pro
50 55 60

Glu Asn Thr Glu Leu Leu Thr Thr Leu Gly Leu Leu Tyr Leu Gln Leu
65 70 75 80

Gly Ile Tyr Gln Lys Ala Phe Glu His Leu Gly Asn Ala Leu Thr Tyr
85 90 95

Asp Pro Thr Asn Tyr Lys Ala Ile Leu Ala Ala Gly Ser Met Met Gln
100 105 110

Thr His Gly Asp Phe Asp Val Ala Leu Thr Lys Tyr Arg Val Val Ala
115 120 125

Cys Ala Val Pro Glu Ser Pro Pro Leu Trp Asn Asn Ile Gly Met Cys
130 135 140

Phe Phe Gly Lys Lys Lys Tyr Val Ala Ala Ile Ser Cys Leu Lys Arg
145 150 155 160

Ala Asn Tyr Leu Ala Pro Phe Asp Trp Lys Ile Leu Tyr Asn Leu Gly
165 170 175

Leu Val His Leu Thr Met Gln Gln Tyr Ala Ser Ala Phe His Phe Leu
180 185 190

Ser Ala Ala Ile Asn Phe Gln Pro Lys Met Gly Glu Leu Tyr Met Leu
195 200 205

Leu Ala Val Ala Leu Thr Asn Leu Glu Asp Thr Glu Asn Ala Lys Arg
210 215 220

Ala Tyr Ala Glu Ala Val His Leu Asp Lys Tyr Ala Leu Cys
225 230 235

<210> 6306
<211> 345
<212> PRT
<213> Homo sapiens

<400> 6306
Arg Glu Gln Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr

```
  1               5                  10                  15

Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Asn Asp Ala Ala
            20                  25                  30

Ser Met Glu Ser Leu Tyr Asp Leu Trp Glu Phe Tyr Leu Pro Tyr Leu
        35                  40                  45

Tyr Ser Cys Ile Ser Leu Met Gly Cys Leu Leu Leu Leu Leu Cys Thr
    50                  55                  60

Pro Val Gly Leu Ser Arg Met Phe Thr Val Met Gly His Leu Leu Val
65                  70                  75                  80

Lys Pro Thr Ile Leu Glu Asp Leu Asp Glu Gln Ile Tyr Ile Ile Thr
                85                  90                  95

Leu Glu Glu Glu Ala Leu Gln Arg Arg Leu Asn Gly Leu Ser Ser Ser
            100                 105                 110

Val Glu Tyr Asn Ile Met Glu Leu Glu Gln Glu Leu Glu Asn Val Lys
        115                 120                 125

Thr Leu Lys Thr Lys Leu Glu Arg Arg Lys Lys Ala Ser Ala Trp Glu
    130                 135                 140

Arg Asn Leu Val Tyr Pro Ala Val Met Val Leu Leu Leu Ile Glu Thr
145                 150                 155                 160

Ser Ile Ser Val Leu Leu Val Ala Cys Asn Ile Leu Cys Leu Leu Val
                165                 170                 175

Asp Glu Thr Ala Met Pro Lys Gly Thr Arg Gly Pro Gly Ile Gly Asn
            180                 185                 190

Ala Ser Leu Ser Thr Phe Gly Phe Val Gly Ala Ala Leu Glu Ile Ile
        195                 200                 205

Leu Ile Phe Tyr Leu Met Val Ser Ser Val Val Gly Phe Tyr Ser Leu
    210                 215                 220

Arg Phe Phe Gly Asn Phe Thr Pro Lys Lys Asp Asp Thr Thr Met Thr
225                 230                 235                 240

Lys Ile Ile Gly Asn Cys Val Ser Ile Leu Val Leu Ser Ser Ala Leu
                245                 250                 255

Pro Val Met Ser Arg Thr Leu Gly Ile Thr Arg Phe Asp Leu Leu Gly
            260                 265                 270

Asp Phe Gly Arg Phe Asn Trp Leu Gly Asn Phe Tyr Ile Val Leu Ser
```

275 280 285

Tyr Asn Leu Leu Phe Ala Ile Val Thr Thr Leu Cys Leu Val Arg Lys
290 295 300

Phe Thr Ser Ala Val Arg Glu Glu Leu Phe Lys Ala Leu Gly Leu His
305 310 315 320

Lys Leu His Leu Pro Asn Thr Ser Arg Asp Ser Glu Thr Ala Lys Pro
325 330 335

Ser Val Asn Gly His Gln Lys Ala Leu
340 345

<210> 6307
<211> 404
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (346)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (401)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6307
Xaa Val Arg Val Gln Thr Arg Gly Ser Ala Asp Pro Ala Gln Leu Arg
1 5 10 15

Arg His Pro Gly Tyr Lys Arg Thr Ala Ser Ala Thr Leu Ser Asp Pro
20 25 30

Ala Ala Ala Ala Met Gln Pro Ser Ser Leu Leu Pro Leu Ala Leu Cys
35 40 45

Leu Leu Ala Ala Pro Ala Ser Ala Leu Val Arg Ile Pro Leu His Lys
50 55 60

Phe Thr Ser Ile Arg Arg Thr Met Ser Glu Val Gly Gly Ser Val Glu
65 70 75 80

```
Asp Leu Ile Ala Lys Gly Pro Val Ser Lys Tyr Ser Gln Ala Val Pro
                 85                  90                  95

Ala Val Thr Glu Gly Pro Ile Pro Glu Val Leu Lys Asn Tyr Met Asp
            100                 105                 110

Ala Gln Tyr Tyr Gly Glu Ile Gly Ile Gly Thr Pro Pro Gln Cys Phe
        115                 120                 125

Thr Val Val Phe Asp Thr Gly Ser Ser Asn Leu Trp Val Pro Ser Ile
    130                 135                 140

His Cys Lys Leu Leu Asp Ile Ala Cys Trp Ile His His Lys Tyr Asn
145                 150                 155                 160

Ser Asp Lys Ser Ser Thr Tyr Val Lys Asn Gly Thr Ser Phe Asp Ile
                165                 170                 175

His Tyr Gly Ser Gly Ser Leu Ser Gly Tyr Leu Ser Gln Asp Thr Val
            180                 185                 190

Ser Val Pro Cys Gln Ser Ala Ser Ser Ala Ser Ala Leu Gly Gly Val
        195                 200                 205

Lys Val Glu Arg Gln Val Phe Gly Glu Ala Thr Lys Gln Pro Gly Ile
    210                 215                 220

Thr Phe Ile Ala Ala Lys Phe Asp Gly Ile Leu Gly Met Ala Tyr Pro
225                 230                 235                 240

Arg Ile Ser Val Asn Asn Val Leu Pro Val Phe Asp Asn Leu Met Gln
                245                 250                 255

Gln Lys Leu Val Asp Gln Asn Ile Phe Ser Phe Tyr Leu Ser Arg Asp
            260                 265                 270

Pro Asp Ala Gln Pro Gly Gly Glu Leu Met Leu Gly Gly Thr Asp Ser
        275                 280                 285

Lys Tyr Tyr Lys Gly Ser Leu Ser Tyr Leu Asn Val Thr Arg Lys Ala
    290                 295                 300

Tyr Trp Gln Val His Leu Asp Gln Val Glu Val Ala Ser Gly Leu Thr
305                 310                 315                 320

Leu Cys Lys Glu Gly Cys Glu Ala Ile Val Asp Thr Gly Thr Ser Leu
                325                 330                 335

Met Val Gly Pro Val Asp Glu Val Arg Xaa Leu Gln Lys Ala Ile Gly
            340                 345                 350
```

BNSDOCID: <WO__0122920A2 I_>

Ala Val Pro Leu Ile Gln Gly Glu Tyr Met Ile Pro Cys Glu Lys Val
355 360 365

Ser Thr Leu Pro Ala Ile Thr Leu Lys Leu Gly Gly Lys Gly Tyr Lys
370 375 380

Leu Ser Pro Glu Asp Tyr Thr Leu Lys Val Ser Gln Ala Gly Lys Thr
385 390 395 400

Xaa Cys Leu Ser

<210> 6308
<211> 40
<212> PRT
<213> Homo sapiens

<400> 6308
Asn Pro Val Ser Thr Lys Ile Gln Lys Ile Ser Trp Ala Trp Trp Arg
1 5 10 15

Thr Pro Val Val Pro Ala Thr Leu Glu Ala Glu Ala Gly Glu Ser Leu
20 25 30

Lys Pro Arg Arg Arg Arg Leu Gln
35 40

<210> 6309
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6309
Thr Ala His Ser Gly Cys Cys Ile Glu Lys Arg Met Trp Trp Thr Asp
1 5 10 15

Ile Glu Ala Trp Lys Pro Asp Arg Xaa Ile Ala Ile Thr Gln Lys Arg
20 25 30

Gly Asp Gly Ser Leu Asp Leu Leu Glu Ala Val Xaa Cys Pro Thr Leu
35 40 45

Gln Leu Xaa Xaa Xaa Glu Lys Gly Pro Glu Arg Leu Ile Leu Ile Thr
50 55 60

Asn Gly Pro Met Met
65

<210> 6310
<211> 206
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6310
Arg Val Asp Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val Arg Gly
1 5 10 15

Ala Arg Arg Arg Ser Ser Gly Ser Gly Ser Met Ser Ala Gly Gly Ala
20 25 30

Ser Val Pro Pro Pro Pro Asn Pro Ala Val Ser Phe Pro Pro Pro Arg
35 40 45

Val Thr Leu Pro Ala Gly Pro Asp Ile Leu Arg Thr Tyr Ser Gly Ala
50 55 60

```
Phe Val Cys Leu Glu Ile Leu Phe Gly Gly Leu Val Trp Ile Leu Val
 65                  70                  75                  80

Ala Ser Ser Asn Val Pro Leu Pro Leu Leu Gln Gly Trp Val Met Phe
                85                  90                  95

Val Ser Val Thr Ala Phe Phe Phe Ser Leu Leu Phe Leu Gly Met Phe
            100                 105                 110

Leu Ser Gly Met Val Ala Gln Ile Asp Ala Asn Trp Asn Phe Leu Asp
        115                 120                 125

Phe Ala Tyr His Phe Thr Val Phe Val Phe Tyr Phe Gly Ala Phe Leu
    130                 135                 140

Leu Glu Ala Ala Ala Thr Ser Leu His Asp Leu His Cys Asn Thr Thr
145                 150                 155                 160

Ile Thr Gly Gln Pro Leu Leu Ser Asp Asn Gln Tyr Asn Ile Asn Val
                165                 170                 175

Ala Xaa Ser Ile Phe Ala Phe Met Thr Thr Ala Cys Tyr Gly Cys Lys
            180                 185                 190

Phe Gly Ser Gly Phe Thr Lys Met Ala Thr Arg Asn Thr Ser
        195                 200                 205


<210> 6311
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6311
```

BNSDOCID: <WO 0122920A2 I >

```
Ala Phe Pro Trp Asp Leu Trp Pro Ser Trp Arg Gln Glu Pro Ser Ser
  1               5                  10                  15

Pro Ser Thr Asp Trp Val Leu Leu Ala Leu Ala Leu Val Asn Leu Leu
             20                  25                  30

Leu Ser Leu Pro Ala Pro Trp Ala Xaa Phe Leu Leu Cys His Ser Leu
         35                  40                  45

Gly Pro Thr Val Xaa Arg Gly Leu Leu Xaa Thr Gly Thr
     50                  55                  60
```

<210> 6312
<211> 169
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6312

```
Pro Ser Leu Ala Val Ala Lys Ile Ile Ile Ile Glu Phe Asn Pro Met
  1               5                  10                  15

Tyr Pro Lys Xaa Asn Asp Ile Ala Leu Met Lys Leu Gln Phe Pro Leu
             20                  25                  30

Thr Phe Ser Gly Thr Val Arg Pro Ile Cys Leu Pro Phe Phe Asp Glu
         35                  40                  45

Glu Leu Thr Pro Ala Thr Pro Leu Trp Ile Ile Gly Trp Gly Phe Thr
     50                  55                  60

Lys Gln Asn Gly Gly Lys Met Ser Asp Ile Leu Leu Gln Ala Ser Val
 65                  70                  75                  80

Gln Val Ile Asp Ser Thr Arg Cys Asn Ala Asp Asp Ala Tyr Gln Gly
                 85                  90                  95

Glu Val Thr Glu Lys Met Met Cys Ala Gly Ile Pro Glu Gly Gly Val
            100                 105                 110

Asp Thr Cys Gln Gly Asp Ser Gly Gly Pro Leu Met Tyr Gln Ser Asp
        115                 120                 125

Gln Trp His Val Val Gly Ile Val Ser Trp Gly Tyr Gly Cys Gly Gly
    130                 135                 140
```

```
Pro Ser Thr Pro Gly Val Tyr Thr Lys Val Ser Ala Tyr Leu Asn Trp
145                 150                 155                 160

Ile Tyr Asn Val Trp Lys Ala Glu Leu
                165
```

<210> 6313
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6313

```
Arg Phe Ile Leu Lys Ser Val His Ile Gln His Lys Glu Arg Lys Asn
  1               5                  10                  15

Leu Thr Asn Leu Lys Ser Ala Val Ile Leu Ala His Val Asn Thr Ile
             20                  25                  30

Leu Ile Ser Trp Phe Ile Tyr Phe Leu Met Phe Val Ser Ile Tyr Ile
         35                  40                  45

Tyr Ile Tyr Ile Tyr Ile Tyr Ile Tyr Ile Tyr Ile Tyr Ile Tyr Ile
     50                  55                  60

Tyr Ile Tyr Ile Tyr Ile Xaa Ile Pro Ser Ser Lys Trp Pro Val Ile
 65                  70                  75                  80

Ala Cys Lys His Phe Phe
                85
```

<210> 6314
<211> 106
<212> PRT
<213> Homo sapiens

<400> 6314

```
Gly Gly Tyr Ser Val Asp Ser Pro Thr Leu Thr Arg Phe Phe Thr Phe
  1               5                  10                  15

His Phe Ile Leu Pro Phe Ile Ile Ala Ala Leu Ala Ala Leu His Leu
             20                  25                  30
```

```
Leu Phe Leu His Glu Thr Gly Ser Asn Asn Pro Leu Gly Ile Thr Ser
         35                  40                  45

His Ser Asp Lys Ile Thr Phe His Pro Tyr Tyr Thr Ile Lys Asp Ala
     50                  55                  60

Leu Gly Leu Leu Leu Phe Leu Leu Ser Leu Met Thr Leu Thr Leu Phe
 65                  70                  75                  80

Ser Pro Asp Leu Leu Gly Asp Pro Asp Asn Tyr Thr Leu Ala Asn Pro
                 85                  90                  95

Leu Asn Thr Pro Pro His Ile Lys Pro Glu
            100                 105
```

<210> 6315
<211> 101
<212> PRT
<213> Homo sapiens

<400> 6315

```
Asp Tyr Ala Arg Pro Lys Tyr Tyr Phe Gln Ile Glu Pro Ser Ser Trp
  1               5                  10                  15

Val Ala Val Tyr Asn Thr Gln Val Glu Phe Gly Lys Cys Ser Pro Ser
            20                  25                  30

Leu Pro Phe Phe Thr Val Asp Ala Ser Ala Ser Phe Leu Ser Leu His
         35                  40                  45

Thr His Cys Pro Thr Ala Gly Phe Pro Phe Ser Phe Arg Ala Val Ala
     50                  55                  60

Val Pro Phe Leu His Ser His Pro Ser Gln Trp Gln Pro Pro Leu Pro
 65                  70                  75                  80

Ser Cys Ile Leu Asn Pro Thr Leu Ile Ile Cys Leu Asp Phe Ala Phe
                 85                  90                  95

Leu Pro Ala Val Leu
            100
```

<210> 6316
<211> 132
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2 I_>

<400> 6316
Gln Arg His Ala Gly Glu Thr Gly Ala Ala Thr Ala Arg Arg Glu Ser
1 5 10 15

Leu Pro Gln Ala Asn Asn Pro Glu Gln Leu Cys Lys Gln Arg Cys Ile
20 25 30

Asn Glu Ala Ser Trp Thr Met Lys Arg Val Leu Ser Cys Val Pro Glu
35 40 45

Pro Thr Val Val Met Ala Ala Arg Ala Leu Cys Met Leu Gly Leu Val
50 55 60

Leu Ala Leu Leu Ser Ser Ser Ser Ala Glu Glu Tyr Val Gly Leu Ser
65 70 75 80

Ala Asn Gln Cys Ala Val Pro Ala Lys Asp Arg Val Asp Cys Gly Tyr
85 90 95

Pro His Val Thr Pro Lys Glu Cys Asn Asn Arg Gly Cys Cys Phe Asp
100 105 110

Ser Arg Ile Pro Gly Val Pro Trp Cys Phe Lys Pro Leu Gln Glu Ala
115 120 125

Glu Cys Thr Phe
130

<210> 6317
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6317
Leu Xaa Arg Leu Gln Xaa Pro Val Arg Asn Ser Arg Val Asp Pro Arg
1 5 10 15

Val Gly Val Pro Glu Pro Thr Val Val Met Ala Ala Arg Ala Leu Cys

```
            20                  25                  30

Met Leu Gly Leu Val Leu Ala Leu Leu Ser Ser Ser Ser Ala Glu Glu
         35                  40                  45

Tyr Val Gly Leu Ser Ala Asn Gln Cys Ala Val Pro Ala Lys Asp Arg
     50                  55                  60

Val Asp Cys Gly Tyr Pro His Val Thr Pro Lys Glu Cys Asn Asn Arg
 65                  70                  75                  80

Gly Cys Cys Phe Asp Ser Arg Ile Pro Gly Val Pro Trp Cys Phe Lys
                 85                  90                  95

Pro Leu Gln Glu Ala Glu Cys Thr Phe
            100                 105
```

<210> 6318
<211> 69
<212> PRT
<213> Homo sapiens

<400> 6318

```
Leu Leu Leu Leu Leu Cys Lys Gly Thr Tyr Ile Pro Gln Tyr Thr Pro
  1               5                  10                  15

Val Pro Pro Thr Ala Val Ser Ile Glu Gly Val Val Ala Asp Thr Ser
             20                  25                  30

Pro Gln Thr Val Ala Pro Ser Ser Gln Asp Thr Ser Gly Gln Gln Gln
         35                  40                  45

Gln Ile Ala Val Asp Thr Ser Asn Glu His Ala Pro Ala Tyr Ser Tyr
     50                  55                  60

Gln Gln Ser Lys Pro
 65
```

<210> 6319
<211> 96
<212> PRT
<213> Homo sapiens

<400> 6319

```
Thr Phe Lys Phe Ala Asn Gln Phe Leu Ala Arg Lys His Phe Cys Tyr
  1               5                  10                  15
```

5550

```
Thr Asn Ile Leu Leu Ser Leu Pro Lys Ala Pro Pro Met His Ser Phe
            20                  25                  30

Asn Lys Ile Gln Ser Leu Tyr Phe Lys Val Ile Leu Val Met Lys Phe
        35                  40                  45

Tyr Met Gln Arg Glu Lys Val Thr Glu Thr Glu Asn Lys Ser Lys Gly
    50                  55                  60

Lys Glu Tyr Tyr Gly Ile Lys Leu Ser Lys Gln Phe Trp Trp Lys Val
65                  70                  75                  80

Lys Pro Val Ser Ala Pro His Gln Gly Cys Gly Pro Pro Arg His Ala
                85                  90                  95
```

<210> 6320
<211> 285
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (280)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6320

```
Gly Arg Ala Pro Gly Arg Arg Val Gly Leu Arg Cys Ala Arg Arg Thr
  1               5                  10                  15

Ser Glu Ala Ala Gly Ser Gly Ala Gly Pro Pro Gly Pro Leu Gln Gly
            20                  25                  30

Arg Ser Gly Ser Ser Trp Ala Pro Arg Pro Gly Arg Arg Thr Glu Glu
        35                  40                  45

Arg Arg Lys Gly Ala Gly Gly Thr Arg Pro Arg Pro Ala Ala Ala Met
    50                  55                  60

Asn Ser Asn Val Glu Asn Leu Pro Pro His Ile Ile Arg Leu Val Tyr
65                  70                  75                  80

Lys Glu Val Thr Thr Leu Thr Ala Asp Pro Pro Asp Gly Ile Lys Val
                85                  90                  95

Phe Pro Asn Glu Glu Asp Leu Thr Asp Leu Gln Val Thr Ile Glu Gly
            100                 105                 110
```

BNSDOCID: <WO___0122920A2_I_>

```
Pro Glu Gly Thr Pro Tyr Ala Gly Gly Leu Phe Arg Met Lys Leu Leu
        115                 120                 125

Leu Gly Lys Asp Phe Pro Ala Ser Pro Pro Lys Gly Tyr Phe Leu Thr
    130                 135                 140

Lys Ile Phe His Pro Asn Val Gly Ala Asn Gly Glu Ile Cys Val Asn
145                 150                 155                 160

Val Leu Lys Arg Asp Trp Thr Ala Glu Leu Gly Ile Arg His Val Leu
                165                 170                 175

Leu Thr Ile Lys Cys Leu Leu Ile His Pro Asn Pro Glu Ser Ala Leu
            180                 185                 190

Asn Glu Glu Ala Gly Arg Leu Leu Leu Glu Asn Tyr Glu Glu Tyr Ala
        195                 200                 205

Ala Arg Ala Arg Leu Leu Thr Glu Ile His Gly Gly Ala Gly Gly Pro
    210                 215                 220

Ser Gly Arg Ala Glu Ala Gly Arg Ala Leu Ala Ser Gly Thr Glu Ala
225                 230                 235                 240

Ser Ser Thr Asp Pro Gly Ala Pro Gly Gly Pro Gly Gly Ala Glu Gly
                245                 250                 255

Pro Met Ala Lys Lys His Ala Gly Glu Arg Asp Lys Lys Leu Ala Ala
            260                 265                 270

Lys Lys Lys Thr Asp Lys Lys Xaa Ala Leu Arg Arg Leu
        275                 280                 285
```

<210> 6321
<211> 40
<212> PRT
<213> Homo sapiens

<400> 6321

```
His Glu Arg Met Leu Asn Leu Thr Asp Arg Gln Val Lys Ile Trp Phe
  1               5                  10                  15

Gln Asn Arg Arg Met Lys Glu Lys Lys Leu Asn Arg Asp Arg Leu Gln
            20                  25                  30

Tyr Phe Thr Gly Asn Pro Leu Phe
        35                  40
```

BNSDOCID: <WO_ 0122920A2 1 >

<210> 6322
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6322

Gly	Ala	Glu	Arg	Arg	Gln	Xaa	Val	Val	Lys	Lys	Ala	Asp	Met	Ile	Asn
1				5				10						15	
Xaa	Asn	Met	Thr	His	Gln	Val	Gln	Ala	Glu	Arg	Asp	Ala	Leu	Ala	Leu
			20					25					30		
Ser	Lys	Ser	Pro	Phe	Ile	Xaa	His	Leu	Tyr	Tyr	Ser	Leu	Gln	Ser	Ala
		35					40					45			
Asn	Asn	Val	Tyr	Leu	Val	Met	Glu	Tyr	Leu	Ile	Gly	Gly	Asp	Val	Lys
	50					55					60				
Ser	Leu	Leu	His	Ile	Tyr	Gly	Tyr	Phe	Asp	Glu	Glu	Met	Ala	Val	Lys
65					70					75					80
Tyr	Ile	Ser	Glu	Val	Ala	Leu	Ala	Leu	Asp	Tyr	Leu	His	Arg	His	Gly
				85					90					95	
Ile	Ile	His	Arg	Asp	Leu	Lys	Pro	Asp	Asn	Met	Leu	Ile	Ser	Asn	Glu
			100					105					110		
Gly	His	Ile	Lys	Leu	Thr										
		115													

<210> 6323
<211> 405

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6323

```
Met Glu Ala Glu Thr Pro Ser Thr Glu Val Pro Pro Asp Pro Glu Pro
  1               5                  10                  15

Gly Val Pro Leu Thr Pro Pro Ser Gln His Gln Glu Ala Gly Ala Gly
             20                  25                  30

Asp Leu Cys Ala Leu Cys Gly Glu His Leu Tyr Val Leu Glu Arg Leu
         35                  40                  45

Cys Val Asn Gly His Phe Phe His Arg Ser Cys Phe Arg Cys His Thr
     50                  55                  60

Cys Glu Ala Thr Leu Trp Pro Gly Gly Tyr Glu Gln His Pro Gly Asp
 65                  70                  75                  80

Gly His Phe Tyr Cys Leu Gln His Leu Pro Gln Thr Asp His Lys Xaa
                 85                  90                  95

Glu Gly Ser Asp Arg Gly Pro Glu Ser Pro Glu Leu Pro Thr Pro Ser
            100                 105                 110

Glu Asn Ser Met Pro Pro Gly Leu Ser Thr Pro Thr Ala Ser Gln Glu
        115                 120                 125

Gly Ala Gly Pro Val Pro Asp Pro Ser Gln Pro Thr Arg Arg Gln Ile
    130                 135                 140

Arg Leu Ser Ser Pro Glu Arg Gln Arg Leu Ser Ser Leu Asn Leu Thr
145                 150                 155                 160

Pro Asp Pro Glu Met Glu Pro Pro Pro Lys Pro Pro Arg Ser Cys Ser
                165                 170                 175

Ala Leu Ala Arg His Ala Leu Glu Ser Ser Phe Val Gly Trp Gly Leu
            180                 185                 190

Pro Val Gln Ser Pro Gln Ala Leu Val Ala Met Glu Lys Glu Glu Lys
        195                 200                 205

Glu Ser Pro Phe Ser Ser Glu Glu Glu Glu Glu Asp Val Pro Leu Asp
    210                 215                 220
```

```
Ser Asp Val Glu Gln Ala Leu Gln Thr Phe Ala Lys Thr Ser Gly Thr
225                 230                 235                 240

Met Asn Asn Tyr Pro Thr Trp Arg Arg Thr Leu Leu Arg Arg Ala Lys
                245                 250                 255

Glu Glu Glu Met Lys Arg Phe Cys Lys Ala Gln Thr Ile Gln Arg Arg
            260                 265                 270

Leu Asn Glu Ile Glu Ala Ala Leu Arg Glu Leu Glu Ala Glu Gly Val
        275                 280                 285

Lys Leu Glu Leu Ala Leu Arg Arg Gln Ser Ser Ser Pro Glu Gln Gln
    290                 295                 300

Lys Lys Leu Trp Val Gly Gln Leu Leu Gln Leu Val Asp Lys Lys Asn
305                 310                 315                 320

Ser Leu Val Ala Glu Glu Ala Glu Leu Met Ile Thr Val Gln Glu Leu
                325                 330                 335

Asn Leu Glu Glu Lys Gln Trp Gln Leu Asp Gln Glu Leu Arg Gly Tyr
            340                 345                 350

Met Asn Arg Glu Glu Asn Leu Lys Thr Ala Ala Asp Arg Gln Ala Glu
        355                 360                 365

Asp Gln Val Leu Arg Lys Leu Val Asp Leu Val Asn Gln Arg Asp Ala
    370                 375                 380

Leu Ile Arg Phe Gln Glu Glu Arg Arg Leu Ser Glu Leu Ala Leu Gly
385                 390                 395                 400

Thr Gly Ala Gln Gly
                405
```

<210> 6324
<211> 114
<212> PRT
<213> Homo sapiens

<400> 6324

```
Leu Ile Lys Trp Lys Ile Ser Lys Glu Cys Lys Ile Ile Trp Gly Glu
  1               5                  10                  15

Ser Cys Lys Met Trp Ser Phe Phe Thr Thr Asn Ile Phe Ser Pro Ser
             20                  25                  30

Asp Val Tyr Met Phe Tyr Asp Leu Lys Tyr Gln Thr Met Val Cys Asp
```

BNSDOCID: <WO _ 0122920A2 I >

35 40 45

Ile Met Gly Leu Pro Leu Ala Gln Lys Arg Leu Leu Leu Ser Ser Ala
50 55 60

Cys Leu Met Thr Ile Gly Trp Ser Leu Leu Ser Leu Asn Phe Tyr Phe
65 70 75 80

Leu Ile Ile Leu Val Ala Ile Arg Leu Lys Arg Glu Cys Thr Trp Glu
85 90 95

Arg Ile Leu Lys Thr Asp Gln Ser Val Lys Cys His Val Leu Glu Lys
100 105 110

Ile Lys

<210> 6325
<211> 80
<212> PRT
<213> Homo sapiens

<400> 6325
Asn Thr Ala Thr Tyr Pro Gly Asn Met Lys Ile Leu Phe Val Glu Pro
1 5 10 15

Ala Ile Phe Leu Ser Ala Phe Ala Met Thr Leu Thr Gly Pro Leu Thr
20 25 30

Thr Gln Tyr Val Tyr Arg Arg Ile Trp Glu Glu Thr Gly Asn Tyr Thr
35 40 45

Phe Ser Ser Asp Ser Asn Ile Ser Glu Cys Glu Lys Asn Lys Ser Ser
50 55 60

Pro Ile Phe Ala Phe Gln Glu Val Arg Asn Tyr Asn Ile His Ser Ile
65 70 75 80

<210> 6326
<211> 34
<212> PRT
<213> Homo sapiens

<400> 6326

```
Phe Met Ile Trp Asn Ser Ile His Pro Phe Ser Gly Ile Lys Thr Phe
  1               5                  10                  15

Leu Asp Phe Phe Arg Ile Gly Ser Glu Leu Val Tyr Tyr Leu Ala Phe
             20                  25                  30

Ser Phe
```

<210> 6327
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6327

```
Cys Arg Leu Val Lys Ala Ser Leu Asp Glu Lys Ser Ala Thr Gly Trp
  1               5                  10                  15

Pro Pro Val Cys Phe Ala Met Arg Ile Asn Leu Leu Phe Val Cys Leu
             20                  25                  30

Lys Thr Pro Ile Ser Glu Ser Ser Val Leu Met Phe Val Glu His Asn
         35                  40                  45

Leu Ile Lys Asn Ile Lys Ile Phe Thr Leu Ala Phe Thr Leu Thr Val
     50                  55                  60

Xaa Gly Gly Xaa
 65
```

<210> 6328
<211> 25
<212> PRT
<213> Homo sapiens

<400> 6328

```
Gly Leu Leu Leu Val Pro Asn Ser Cys Arg Pro Gly Asp Pro Leu Val
```

```
  1               5                  10                  15

Leu Glu Arg Pro Pro Pro Arg Trp Ser
             20                  25
```

<210> 6329
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6329

```
Lys Gly Val Pro Arg Ala Gln Gln Gly Ala Lys Ser Gly Asp Ile Ala
  1               5                  10                  15

Ser Glu His Pro Thr Cys Ala Thr His Val His Pro Pro Thr His Thr
             20                  25                  30

His Ala His Ser His Ala His Ser His Ala His Ser His Ala His Ser
         35                  40                  45

His Ala His Ser His Ala His Ser His Ala His Ser His Ala His Ser
     50                  55                  60

His Ala His Thr Ala Trp Thr Leu Phe Pro Leu Cys Pro Trp Xaa His
 65                  70                  75                  80

Thr Pro Ser Lys Pro Leu Thr Phe Ile Ser Pro Cys Val Phe Ser Lys
                 85                  90                  95

Lys Val Tyr Gln Ala Arg Pro Pro Gly Gly
             100                 105
```

<210> 6330
<211> 147
<212> PRT
<213> Homo sapiens

<400> 6330

```
Asn Phe Pro Leu Pro Gly Gly Glu Lys Gln Arg Val Ala Ile Ala Arg
  1               5                  10                  15

Ala Ile Leu Lys Asp Pro Pro Val Ile Leu Tyr Asp Glu Ala Thr Ser
```

```
            20                  25                  30

Ser Leu Asp Ser Ile Thr Glu Glu Thr Ile Leu Gly Ala Met Lys Asp
         35                  40                  45

Val Val Lys His Arg Thr Ser Ile Phe Ile Ala His Arg Leu Ser Thr
     50                  55                  60

Val Val Asp Ala Asp Glu Ile Ile Val Leu Asp Gln Gly Lys Val Ala
 65                  70                  75                  80

Glu Arg Gly Thr His His Gly Leu Leu Ala Asn Pro His Ser Ile Tyr
                 85                  90                  95

Ser Glu Met Trp His Thr Gln Ser Ser Arg Val Gln Asn His Asp Asn
            100                 105                 110

Pro Lys Trp Glu Ala Lys Lys Glu Asn Ile Ser Lys Glu Glu Glu Arg
        115                 120                 125

Lys Lys Leu Gln Glu Glu Ile Val Asn Ser Val Lys Gly Cys Gly Asn
    130                 135                 140

Cys Ser Cys
145
```

<210> 6331
<211> 176
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

```
<400> 6331
Cys Gln Gln Leu Met Asp Leu Thr Ala Asn Leu Asn Leu Leu Trp Ser
  1               5                  10                  15

Ala Pro Phe Gln Ile Leu Met Ala Val Tyr Leu Leu Trp Gln Glu Leu
             20                  25                  30

Gly Pro Ala Val Leu Ala Gly Val Ala Val Leu Val Phe Val Ile Pro
         35                  40                  45

Ile Asn Ala Leu Ala Ala Thr Lys Ile Lys Lys Leu Lys Val Ser Leu
     50                  55                  60
```

```
Ala Thr Leu Cys Val Tyr Phe Leu Leu Asp Glu Gly Asn Ile Leu Thr
 65                  70                  75                  80

Ala Thr Lys Val Phe Thr Ser Met Ser Leu Phe Asn Ile Leu Arg Ile
                 85                  90                  95

Pro Leu Phe Glu Leu Pro Thr Val Ile Ser Ala Val Val Gln Thr Lys
            100                 105                 110

Ile Ser Leu Gly Arg Leu Glu Asp Phe Leu Asn Thr Glu Glu Leu Leu
        115                 120                 125

Pro Gln Ser Ile Glu Thr Asn Tyr Thr Gly Asp His Ala Ile Gly Phe
    130                 135                 140

Thr Asp Ala Ser Phe Ser Trp Asp Lys Thr Gly Met Pro Val Leu Lys
145                 150                 155                 160

Glu Ala Leu Trp Leu Met Xaa Leu Asn Lys Pro Gly Phe Lys Ile Ala
                165                 170                 175
```

<210> 6332
<211> 129
<212> PRT
<213> Homo sapiens

<400> 6332

```
Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Ala
  1               5                  10                  15

Lys Cys Tyr His Glu Arg Arg Lys Leu Asp Phe Phe Val Leu Ile Met
             20                  25                  30

Ala Ser Thr Cys Thr Phe Pro Glu Trp Ser Leu Leu Arg Pro Phe Leu
         35                  40                  45

Val Pro Phe Gln Ser Cys Pro His His Pro Ala Pro Leu Ala Ser Val
     50                  55                  60

His Ser Gly Pro Gln Pro Arg Pro Gly Leu Leu Cys Ser Ala Pro Thr
 65                  70                  75                  80

Ala His His Pro Ser Cys Phe Pro Glu Pro Asp Pro Val Pro Pro Thr
                 85                  90                  95

Gly Asn Gln Gly Cys Ala Leu Pro Cys Pro Arg Ser Pro Gly Leu Pro
```

100 105 110

Val Leu Ser Leu Leu Ile Ile Ile Asn Ser Gly Phe Gln Leu Gln Pro
115 120 125

Arg

<210> 6333
<211> 93
<212> PRT
<213> Homo sapiens

<400> 6333
Asp Phe Gln Ile Asp Lys Cys Thr Gly Tyr Val Glu Val Gln Lys Ser
1 5 10 15

Ile Thr Val Leu Gln His Ile Tyr Leu Gly Asn Leu Lys His Val Leu
20 25 30

Leu Met Tyr Gln Ala Val Cys Cys Ser Gln Arg Asp Pro Ile Ser Ala
35 40 45

Leu Gly Ile Leu Gly Glu Asn Met Tyr Lys Glu Ile Val Leu Ala His
50 55 60

Ser Ser Lys Gly Ser Asp Gln Gly His Leu Ala Leu Arg Gly Asn Leu
65 70 75 80

Gly Lys Val Pro Trp Arg Met Arg Leu Leu Leu Lys Ser
85 90

<210> 6334
<211> 76
<212> PRT
<213> Homo sapiens

<400> 6334
Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg
1 5 10 15

Val Arg Asn Arg Glu Arg Lys Gly Gln Arg Trp Lys Ile Leu Phe Tyr
20 25 30

Cys Phe Asp Phe Arg His Pro Glu Arg Val Thr Asn Phe Lys Thr Leu
35 40 45

```
Asn Lys Val Ala Leu Cys Trp Gly Arg Asn Leu Ala Ile Leu Val Thr
     50                  55                  60

Leu Lys Ser Arg Tyr Pro Phe Ser Leu Glu Ser Pro
 65                  70                  75
```

<210> 6335
<211> 349
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (340)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6335

```
Arg Asn Val Gln Leu Leu Thr Ala Ala Glu Thr Trp Glu Pro Arg Gly
  1               5                  10                  15

Pro Leu Ser Ser Gln Pro Pro Pro Pro Ser Ser Arg Ala Gly Pro Pro
            20                  25                  30

Arg Pro Arg Leu Leu Leu Thr Pro Arg Pro Gly Ala Arg Phe Cys Gly
        35                  40                  45

Ser Ile Ile Leu Cys His Tyr Glu Met Ser Ser Leu Gly Ala Ser Phe
     50                  55                  60

Val Gln Ile Lys Phe Asp Asp Leu Gln Phe Phe Glu Asn Cys Gly Gly
 65                  70                  75                  80

Gly Ser Phe Gly Ser Val Tyr Arg Ala Lys Trp Ile Ser Gln Asp Lys
                85                  90                  95

Glu Val Ala Val Lys Lys Leu Leu Lys Ile Glu Lys Glu Ala Glu Ile
            100                 105                 110

Leu Ser Val Leu Ser His Arg Asn Ile Ile Gln Phe Tyr Gly Val Ile
        115                 120                 125

Leu Glu Pro Pro Asn Tyr Gly Ile Val Thr Glu Tyr Ala Ser Leu Gly
    130                 135                 140

Ser Leu Tyr Asp Tyr Ile Asn Ser Asn Arg Ser Glu Glu Met Asp Met
145                 150                 155                 160

Asp His Ile Met Thr Trp Ala Thr Asp Val Ala Lys Gly Met His Tyr
                165                 170                 175
```

BNSDOCID: <WO 0122920A2 I_>

```
Leu His Met Glu Ala Pro Val Lys Val Ile His Arg Asp Leu Lys Ser
            180                 185                 190

Arg Asn Val Val Ile Ala Ala Asp Gly Val Leu Lys Ile Cys Asp Phe
        195                 200                 205

Gly Ala Ser Arg Phe His Asn His Thr Thr His Met Ser Leu Val Gly
    210                 215                 220

Thr Phe Pro Trp Met Ala Pro Glu Val Ile Gln Ser Leu Pro Val Ser
225                 230                 235                 240

Glu Thr Cys Asp Thr Tyr Ser Tyr Gly Val Val Leu Trp Glu Met Leu
                245                 250                 255

Thr Arg Glu Val Pro Phe Lys Gly Leu Glu Gly Leu Gln Val Ala Trp
            260                 265                 270

Leu Val Val Glu Lys Asn Glu Arg Leu Thr Ile Pro Ser Ser Cys Pro
        275                 280                 285

Arg Ser Phe Ala Glu Leu Leu His Gln Cys Trp Glu Ala Asp Ala Lys
    290                 295                 300

Lys Arg Pro Ser Phe Lys Gln Ile Ile Ser Ile Leu Glu Ser Met Ser
305                 310                 315                 320

Asn Asp Thr Ser Leu Leu Thr Ser Val Thr His Ser Tyr Thr Thr Arg
                325                 330                 335

Arg Ser Gly Xaa Ala Lys Leu Arg Gln Leu Leu Arg Gly
            340                 345
```

<210> 6336
<211> 65
<212> PRT
<213> Homo sapiens

<400> 6336

```
His Phe Gly Arg Pro Arg Gln Ala Asp His Leu Arg Ser Gly Val Gln
  1               5                  10                  15

Asn Gln Pro Gly Gln Asp Gly Glu Thr Pro Ser Leu Leu Lys Ile Gln
             20                  25                  30

Lys Lys Ile Ser Arg Ala Trp Trp His Val Pro Val Ile Pro Ala Thr
         35                  40                  45
```

BNSDOCID: <WO___0122920A2 I_>

```
Trp Glu Thr Glu Ala Gly Glu Leu Leu Glu Pro Gly Arg Arg Arg Leu
     50                  55                  60

Gln
 65
```

<210> 6337
<211> 104
<212> PRT
<213> Homo sapiens

<400> 6337

```
Ser Arg Asp Trp Val Thr Asn Asn Thr Arg Thr Lys Leu Arg Asp His
  1               5                  10                  15

Tyr Ser Ser Ile Ser Pro Ser Phe His Lys Thr Ala Val Lys Met Phe
             20                  25                  30

Asp Ile Lys Ala Trp Ala Glu Tyr Val Val Glu Trp Ala Ala Lys Asp
         35                  40                  45

Pro Tyr Gly Phe Leu Thr Thr Val Ile Leu Ala Leu Thr Pro Leu Phe
     50                  55                  60

Leu Ala Ser Ala Val Leu Ser Trp Lys Leu Ala Lys Met Ile Glu Ala
 65                  70                  75                  80

Arg Glu Lys Glu Gln Lys Lys Lys Gln Lys Arg Gln Glu Asn Ile Ala
                 85                  90                  95

Lys Ala Lys Arg Leu Lys Lys Asp
            100
```

<210> 6338
<211> 146
<212> PRT
<213> Homo sapiens

<400> 6338

```
Thr His Trp Phe Gln Arg Pro Leu Arg Met Cys Leu Pro Ser Gln Ile
  1               5                  10                  15

Trp Ala Phe Pro Val Pro Lys His His Leu Gly Gly Ser Leu Trp Val
             20                  25                  30

Leu Ile Ser Ser His Met Phe Thr Pro His Val Gly Leu Pro Asn Cys
         35                  40                  45
```

```
Pro Pro Gln Gly Lys Pro Phe Leu Pro Thr Ser Arg Lys Leu Leu Val
     50                  55                  60

Pro Trp Pro Ser His Thr Ser Asp Leu Val Pro Leu Pro Gly Pro Val
 65                  70                  75                  80

Gly Phe Asn Asn Leu Val Ser Ser Leu Pro Arg Asn Pro Leu Cys Leu
                 85                  90                  95

Glu Cys Ser Pro Pro Ser Gln Pro Leu Ser His Thr Ile Phe Ser Phe
            100                 105                 110

Leu Ser Ser Thr Lys Arg Trp Asp Lys Pro Val Cys Thr Gln Cys Leu
        115                 120                 125

Trp Asp Asn Arg Arg Arg Asn Leu Glu Phe Gly Trp Val Ile Lys Leu
    130                 135                 140

Trp Asn
145
```

<210> 6339
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6339

```
Ser Ile Ile Pro Phe Lys Cys Tyr Phe Gln Phe Trp Gly Ile Phe Phe
  1               5                  10                  15

Phe Trp Ser Phe Cys Cys Xaa Cys Ser Phe Phe Thr Ile Pro Lys Met
             20                  25                  30
```

```
Leu Gln Gln Ile Phe Phe Tyr Arg Leu Asn Val Ala Tyr Pro Lys Tyr
         35                  40                  45

Leu Gly Pro Glu Val Leu Gly Ile Ser Asp Phe Gln Ile Arg Asp Xaa
     50                  55                  60

Xaa Pro Val Tyr Thr Ser Leu His
 65                  70
```

<210> 6340
<211> 385
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (296)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6340

```
His Leu Asn Val Asp Arg Lys Arg Pro Cys Ser Ile Glu Asp Arg Arg
  1               5                  10                  15

Asn Trp Ser Leu Ile Gly Arg Pro Gly Ala Pro Ala Ser Gly Leu Asn
             20                  25                  30

Arg Ser Ser Gly Leu Trp Leu Gly Pro Asp Arg Cys Arg Pro Arg Ser
         35                  40                  45

Arg Cys Ser Cys Arg Val Met Glu Asn Pro Ser Pro Ala Ala Ala Leu
     50                  55                  60

Gly Lys Ala Leu Cys Ala Leu Leu Leu Ala Thr Leu Gly Ala Ala Gly
 65                  70                  75                  80

Gln Pro Leu Gly Gly Glu Ser Ile Cys Ser Ala Arg Ala Pro Ala Lys
                 85                  90                  95

Tyr Ser Ile Thr Phe Thr Gly Lys Trp Ser Gln Thr Ala Phe Pro Lys
            100                 105                 110

Gln Tyr Pro Leu Phe Arg Pro Pro Ala Gln Trp Ser Ser Leu Leu Gly
        115                 120                 125
```

```
Ala Ala His Ser Ser Asp Tyr Ser Met Trp Arg Lys Asn Gln Tyr Val
    130                 135                 140

Ser Asn Gly Leu Arg Asp Phe Ala Glu Arg Gly Glu Ala Trp Ala Leu
145                 150                 155                 160

Met Lys Glu Ile Glu Ala Ala Gly Glu Ala Leu Gln Ser Val His Xaa
                165                 170                 175

Val Phe Ser Ala Pro Ala Val Pro Ser Gly Thr Gly Gln Thr Ser Ala
            180                 185                 190

Glu Leu Glu Val Gln Arg Arg His Ser Leu Val Ser Phe Val Val Arg
        195                 200                 205

Ile Val Pro Ser Pro Asp Trp Phe Val Gly Val Asp Ser Leu Asp Leu
    210                 215                 220

Cys Asp Gly Asp Arg Trp Arg Glu Gln Ala Ala Leu Asp Leu Tyr Pro
225                 230                 235                 240

Tyr Asp Ala Gly Thr Asp Ser Gly Phe Thr Phe Ser Ser Pro Asn Phe
                245                 250                 255

Ala Thr Ile Pro Gln Asp Thr Val Thr Glu Ile Thr Ser Ser Ser Pro
            260                 265                 270

Ser His Pro Ala Asn Ser Phe Tyr Tyr Pro Arg Leu Lys Ala Leu Pro
        275                 280                 285

Pro Ile Ala Arg Val Thr Leu Xaa Arg Leu Arg Gln Ser Pro Arg Ala
    290                 295                 300

Phe Ile Pro Pro Ala Pro Val Leu Pro Ser Arg Asp Asn Glu Ile Val
305                 310                 315                 320

Asp Ser Ala Ser Val Pro Glu Thr Pro Leu Asp Cys Glu Val Ser Leu
                325                 330                 335

Trp Ser Ser Trp Gly Leu Cys Gly Gly His Cys Gly Arg Leu Gly Thr
            340                 345                 350

Lys Ser Arg Thr Arg Tyr Val Arg Val Gln Pro Ala Asn Asn Gly Ser
        355                 360                 365

Pro Cys Pro Glu Leu Glu Glu Glu Ala Glu Cys Val Pro Asp Asn Cys
    370                 375                 380

Val
385
```

BNSDOCID: <WO_ 0122920A2_I_>

<210> 6341
<211> 124
<212> PRT
<213> Homo sapiens

<400> 6341
Arg Pro Ala Cys Pro Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr
1 5 10 15

Arg Pro Pro Thr Arg Pro Pro Thr Arg Pro Pro Thr Arg Pro Leu Cys
20 25 30

Arg Lys Met Gly Val Pro Tyr Cys Ile Ile Lys Gly Lys Ala Arg Leu
35 40 45

Gly Arg Leu Val His Arg Lys Thr Cys Thr Thr Val Ala Phe Thr Gln
50 55 60

Val Asn Ser Glu Asp Lys Gly Ala Leu Ala Lys Leu Val Glu Ala Ile
65 70 75 80

Arg Thr Asn Tyr Asn Asp Arg Tyr Asp Glu Ile Arg Arg His Trp Gly
85 90 95

Gly Asn Val Leu Gly Pro Lys Ser Val Ala Arg Ile Ala Lys Leu Glu
100 105 110

Lys Ala Lys Ala Lys Glu Leu Ala Thr Lys Leu Gly
115 120

<210> 6342
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6342
Ala Trp Lys Arg Arg Arg Glu Val Lys Asp Gln Ser Leu Ile Gly Thr
1 5 10 15

Gly Ser His Ser Gly Ser Ser Leu Gln Ser Asp Pro His Phe Gly Cys
20 25 30

```
Ser Leu Gly Pro Ser Ser Gly Pro Arg Ser Ile Arg Leu His Pro Pro
         35                  40                  45

Ser Leu Phe Arg Ile Leu Ser Cys Ala Xaa Pro Thr Pro Gly Ser Arg
     50                  55                  60

Ser Gln Thr Ser Ser His Gly Trp Ser Leu Leu Pro Ser Ala Val Arg
 65                  70                  75                  80

Pro Pro Gly Thr Gln Ala Pro Gly Phe Gly Arg Ser Gly Val Ser Ser
                 85                  90                  95

Arg Trp Val Ser Ala Pro Thr Gly Thr Cys Thr Ser Cys Gln
            100                 105                 110
```

<210> 6343
<211> 226
<212> PRT
<213> Homo sapiens

<400> 6343

```
Thr Glu Gly Tyr Gly Cys Gln Lys Thr Thr Glu Gly Tyr Gly Cys Glu
  1               5                  10                  15

Lys Thr Thr Glu Gly Tyr Gly Cys Glu Lys Thr Thr Glu Gly Gly Ser
            20                  25                  30

Ser Ser Phe Ala Pro Arg Val His Gly Ser Ser Phe Ser Phe Pro Leu
        35                  40                  45

Gly Arg Glu Glu Ala Met Ala Ala Met Ala Ser Leu Gly Ala Leu Ala
    50                  55                  60

Leu Leu Leu Leu Ser Ser Leu Ser Arg Cys Ser Ala Glu Ala Cys Leu
65                  70                  75                  80

Glu Pro Gln Ile Thr Pro Ser Tyr Tyr Thr Thr Ser Asp Ala Val Ile
                85                  90                  95

Ser Thr Glu Thr Val Phe Ile Val Glu Ile Ser Leu Thr Cys Lys Asn
            100                 105                 110

Arg Val Gln Asn Met Ala Leu Tyr Ala Asp Val Gly Gly Lys Gln Phe
        115                 120                 125

Pro Val Thr Arg Gly Gln Asp Val Gly Arg Tyr Gln Val Ser Trp Ser
    130                 135                 140

Leu Asp His Lys Ser Ala His Ala Gly Thr Tyr Glu Val Arg Phe Phe
```

145 150 155 160

Asp Glu Glu Ser Tyr Ser Leu Leu Arg Lys Ala Gln Arg Asn Asn Glu
165 170 175

Asp Ile Ser Ile Ile Pro Pro Leu Phe Thr Val Ser Val Asp His Arg
180 185 190

Gly Thr Trp Asn Gly Pro Trp Val Ser Thr Glu Val Leu Ala Ala Ala
195 200 205

Ile Gly Leu Val Ile Tyr Tyr Leu Ala Phe Ser Ala Lys Ser His Ile
210 215 220

Gln Ala
225

<210> 6344
<211> 235
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (185)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6344
Ser Pro Arg Pro Leu Arg Phe Cys Gly Gly Ala Arg Ala Arg Arg Pro
1 5 10 15

Leu Ser Ala Val Ala Arg Pro Ala Arg Ser Ser Asp Pro Leu Arg Ser
20 25 30

Ala Pro Leu Gly Pro Ala Pro Pro Val Asn Met Ile Arg Cys Gly Leu
35 40 45

Ala Cys Glu Arg Cys Arg Trp Ile Leu Pro Leu Leu Leu Leu Ser Ala
50 55 60

Ile Ala Phe Asp Ile Ile Ala Leu Ala Gly Arg Gly Trp Leu Gln Ser
65 70 75 80

Ser Asp His Gly Gln Thr Ser Ser Leu Trp Trp Lys Cys Ser Gln Glu
85 90 95

Gly Gly Gly Ser Gly Ser Tyr Glu Glu Gly Cys Gln Ser Leu Met Glu
100 105 110

```
Tyr Ala Trp Gly Arg Ala Ala Ala Ala Met Leu Phe Cys Gly Phe Ile
        115                 120                 125

Ile Leu Val Ile Cys Phe Ile Leu Ser Phe Phe Ala Leu Cys Gly Pro
    130                 135                 140

Gln Met Leu Val Phe Leu Arg Val Ile Gly Gly Leu Leu Ala Leu Ala
145                 150                 155                 160

Ala Val Phe Gln Ile Ile Ser Leu Val Ile Tyr Pro Val Lys Tyr Thr
                165                 170                 175

Gln Thr Phe Thr Leu His Ala Asn Xaa Ala Val Thr Tyr Ile Tyr Asn
            180                 185                 190

Trp Ala Tyr Gly Phe Gly Trp Ala Ala Thr Ile Ile Leu Ile Gly Cys
        195                 200                 205

Ala Phe Phe Phe Cys Cys Leu Pro Asn Tyr Glu Asp Asp Leu Leu Gly
    210                 215                 220

Asn Ala Lys Pro Arg Tyr Phe Tyr Thr Ser Ala
225                 230                 235
```

<210> 6345
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6345

```
Gly Asn Leu His Gly Ile Leu Arg Asp Phe Tyr Ser Pro Leu Val Pro
  1               5                  10                  15

Asp Ser Met Lys Phe Glu Ile Gly Glu Ala Leu Tyr Leu Gly Ile Ile
             20                  25                  30

Ser Ser Leu Phe Ser Leu Ile Ala Gly Ile Ile Leu Cys Phe Ser Cys
         35                  40                  45

Ser Ser Gln Arg Asn Arg Ser Asn Tyr Tyr Asp Ala Tyr Gln Ala Gln
     50                  55                  60

Pro Leu Ala Thr Arg Ser Ser Pro Arg Pro Gly Gln Pro Pro Lys Val
 65                  70                  75                  80
```

Lys Ser Glu Phe Asn Ser Tyr Xaa
85

<210> 6346
<211> 105
<212> PRT
<213> Homo sapiens

<400> 6346
Gly Ser Val Ala Gln Ser Arg Pro Ala Tyr Leu Ser Lys Asn Ser Lys
1 5 10 15

Ser Leu Ser Gln Pro Thr Gly Leu Asn Leu His Trp Lys Pro Thr Cys
20 25 30

Trp His Pro Arg Ser Pro Thr Leu Leu Ala Trp Val Gly Glu Ala Lys
35 40 45

Asp His Pro Lys Phe Thr His Leu Ser Ser Ala Ala Ser His Trp Ala
50 55 60

Ser Ala Ala Pro Gln His Gln Phe Thr Gly His Pro Ser Leu Leu Ala
65 70 75 80

Leu Ser Pro Asn Leu Leu Ser Ile Pro Arg Ser Asn Leu Pro Leu Arg
85 90 95

Ser Ala Arg Asn Ser Phe Arg Pro His
100 105

<210> 6347
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO__0122920A2_I_>

<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6347
Arg Cys Cys Leu Pro Glu Asp Gly Lys Ala Asp Ile Val Arg Ala Ala
1 5 10 15

Gln Asp Phe Cys Gln Xaa Val Ala Gln Lys Gln Xaa Arg Pro Thr Asp
20 25 30

Leu Asp Val Asp Thr Leu Ala Ser Leu Leu Ser Ser Asn Gly Cys Pro
35 40 45

Asp Pro Asp Leu Val Leu Lys Phe Gly Pro Val Asp Ser Thr Xaa Gly
50 55 60

Phe Leu Pro Trp His Ile Arg Leu Thr Glu Ile Val Ser Leu Pro Ser
65 70 75 80

His Leu Asn Ile Ser Tyr Glu Asp Phe Phe Ser Ala Leu Arg Gln Tyr
85 90 95

Ala Ala Cys Glu Gln Arg Leu Gly Lys
100 105

<210> 6348
<211> 81
<212> PRT
<213> Homo sapiens

<400> 6348
Tyr Phe Asp Ile Ser Lys His Leu His Gly Asn His Tyr Ile Asp Pro
1 5 10 15

Thr Cys Gly Phe Ser Ser Tyr Val His Leu Thr Arg Ile Tyr Tyr Phe
20 25 30

Arg Tyr Asn Leu Gln Met Ser His Leu Ile Ile Phe Tyr Asn Ile Pro
35 40 45

Tyr Phe Ile Lys Val Leu Leu Glu Lys Tyr Leu Pro Gln Arg Ser Phe
50 55 60

Cys His Cys Val Arg Cys Val Phe Glu Pro Thr Met Thr Glu Ser Lys
65 70 75 80

Phe

<210> 6349
<211> 100
<212> PRT
<213> Homo sapiens

<400> 6349
Leu Lys Ile Asn Pro Ser Gly Lys Lys Lys Lys Lys Asn Ser Arg
1 5 10 15

Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser
20 25 30

Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr
35 40 45

Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn
50 55 60

Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser Leu
65 70 75 80

Asn Gly Glu Trp Gln Ile Val Ser Val Asn Ile Leu Leu Lys Phe Ala
85 90 95

Leu Asn Phe Cys
100

<210> 6350
<211> 231
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (202)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (203)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (230)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6350

```
Arg Asp Xaa Trp Xaa Ala Ile Pro Asp Thr Ile Asp Xaa Thr Pro Ala
  1               5                  10                  15

Xaa Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Pro Ala Pro
             20                  25                  30

Pro Ala Met Val Val Ser Gly Ala Pro Pro Ala Leu Gly Gly Gly Cys
         35                  40                  45

Leu Gly Thr Phe Thr Ser Leu Leu Leu Leu Ala Ser Thr Ala Ile Leu
     50                  55                  60

Asn Ala Ala Arg Ile Pro Val Pro Pro Ala Cys Gly Lys Pro Gln Gln
 65                  70                  75                  80

Leu Asn Arg Val Val Gly Gly Glu Asp Ser Thr Asp Ser Glu Trp Pro
                 85                  90                  95

Trp Ile Val Ser Ile Xaa Lys Asn Gly Thr His His Cys Ala Gly Ser
            100                 105                 110

Leu Leu Thr Ser Arg Trp Val Ile Thr Ala Ala His Cys Phe Lys Asp
        115                 120                 125
```

BNSDOCID: <WO__ 0122920A2 I >

Asn Leu Asn Lys Pro Tyr Leu Phe Ser Val Leu Leu Gly Ala Trp Gln
130 135 140

Leu Gly Asn Pro Gly Ser Arg Ser Gln Lys Val Gly Val Ala Trp Val
145 150 155 160

Glu Pro His Pro Val Tyr Ser Trp Lys Glu Gly Ala Cys Ala Asp Ile
165 170 175

Ala Leu Val Arg Leu Glu Arg Ser Ile Gln Phe Ser Glu Arg Val Leu
180 185 190

Pro Ile Cys Leu Pro Asp Ala Ser Ile Xaa Xaa Pro Pro Asn Thr His
195 200 205

Cys Trp Ile Ser Gly Trp Gly Ser Ile Gln Asp Gly Val Pro Leu Pro
210 215 220

Thr Leu Arg Pro Cys Xaa Ser
225 230

<210> 6351
<211> 240
<212> PRT
<213> Homo sapiens

<400> 6351
Gly Phe Pro Gly Thr Gly Ser Gly Gln Gly Ile Arg Pro Thr His Pro
1 5 10 15

Arg Gly Lys Pro Gly Pro Ser Gly Ala Asp Arg Gly Pro His Gly Pro
20 25 30

Arg Gly Gly Arg Arg Arg Leu Gly Val Ala Gly Arg Ala Ser Arg Val
35 40 45

Asp Arg Ala His Ala Ala Ala Ala His Thr Gly Leu Gly Glu Glu Phe
50 55 60

His Asp Val Glu Asp Ala Glu Thr Tyr Lys Lys Met Leu Ala Arg Asp
65 70 75 80

Glu Arg Arg Phe Arg Val Ala Asp Gln Asp Gly Asp Ser Met Ala Thr
85 90 95

Arg Glu Glu Leu Thr Ala Phe Leu His Pro Glu Glu Phe Pro His Met
100 105 110

Arg Asp Ile Val Ile Ala Glu Thr Leu Glu Asp Leu Asp Arg Asn Lys

115 120 125

Asp Gly Tyr Val Gln Val Glu Glu Tyr Ile Ala Asp Leu Tyr Ser Ala
130 135 140

Glu Pro Gly Glu Glu Glu Pro Ala Trp Val Gln Thr Glu Arg Gln Gln
145 150 155 160

Phe Arg Asp Phe Arg Asp Leu Asn Lys Asp Gly His Leu Asp Gly Ser
165 170 175

Glu Val Gly His Trp Val Leu Pro Pro Ala Gln Asp Gln Pro Leu Val
180 185 190

Glu Ala Asn His Leu Leu His Glu Ser Asp Thr Asp Lys Asp Gly Arg
195 200 205

Leu Ser Lys Ala Glu Ile Leu Gly Asn Trp Asn Met Phe Val Gly Ser
210 215 220

Gln Ala Thr Asn Tyr Gly Glu Asp Leu Thr Arg His His Asp Glu Leu
225 230 235 240

<210> 6352
<211> 505
<212> PRT
<213> Homo sapiens

<400> 6352
His Arg Arg Gly Ser Ile Pro Arg Gln Gln Leu Ser Pro Thr Ala Phe
1 5 10 15

Pro Ala Arg Asn His Leu Ser Thr Ile Pro Trp Gly Leu Pro Arg Thr
20 25 30

Ile Glu Glu Leu Arg Leu Asp Asp Asn Arg Ile Ser Thr Ile Ser Ser
35 40 45

Pro Ser Leu Gln Gly Leu Thr Ser Leu Lys Arg Leu Val Leu Asp Gly
50 55 60

Asn Leu Leu Asn Asn His Gly Leu Gly Asp Lys Val Phe Phe Asn Leu
65 70 75 80

Val Asn Leu Thr Glu Leu Ser Leu Val Arg Asn Ser Leu Thr Ala Ala
85 90 95

```
Pro Val Asn Leu Pro Gly Thr Asn Leu Arg Lys Leu Tyr Leu Gln Asp
            100                 105                 110

Asn His Ile Asn Arg Val Pro Pro Asn Ala Phe Ser Tyr Leu Arg Gln
        115                 120                 125

Leu Tyr Arg Leu Asp Met Ser Asn Asn Asn Leu Ser Asn Leu Pro Gln
    130                 135                 140

Gly Ile Phe Asp Asp Leu Asp Asn Ile Thr Gln Leu Ile Leu Arg Asn
145                 150                 155                 160

Asn Pro Trp Tyr Cys Gly Cys Lys Met Lys Trp Val Arg Asp Trp Leu
                165                 170                 175

Gln Ser Leu Pro Val Lys Val Asn Val Arg Gly Leu Met Cys Gln Ala
            180                 185                 190

Pro Glu Lys Val Arg Gly Met Ala Ile Lys Asp Leu Asn Ala Glu Leu
        195                 200                 205

Phe Asp Cys Lys Asp Ser Gly Ile Val Ser Thr Ile Gln Ile Thr Thr
    210                 215                 220

Ala Ile Pro Asn Thr Val Tyr Pro Ala Gln Gly Gln Trp Pro Ala Pro
225                 230                 235                 240

Val Thr Lys Gln Pro Asp Ile Lys Asn Pro Lys Leu Thr Lys Asp Gln
                245                 250                 255

Gln Thr Thr Gly Ser Pro Ser Arg Lys Thr Ile Thr Ile Thr Val Lys
            260                 265                 270

Ser Val Thr Ser Asp Thr Ile His Ile Ser Trp Lys Leu Ala Leu Pro
        275                 280                 285

Met Thr Ala Leu Arg Leu Ser Trp Leu Lys Leu Gly His Ser Pro Ala
    290                 295                 300

Phe Gly Ser Ile Thr Glu Thr Ile Val Thr Gly Glu Arg Ser Glu Tyr
305                 310                 315                 320

Leu Val Thr Ala Leu Glu Pro Asp Ser Pro Tyr Lys Val Cys Met Val
                325                 330                 335

Pro Met Glu Thr Ser Asn Leu Tyr Leu Phe Asp Glu Thr Pro Val Cys
            340                 345                 350

Ile Glu Thr Glu Thr Ala Pro Leu Arg Met Tyr Asn Pro Thr Thr Thr
        355                 360                 365
```

```
Leu Asn Arg Glu Gln Glu Lys Glu Pro Tyr Lys Asn Pro Asn Leu Pro
    370                 375                 380

Leu Ala Ala Ile Ile Gly Gly Ala Val Ala Leu Val Thr Ile Ala Leu
385                 390                 395                 400

Leu Ala Leu Val Cys Trp Tyr Val His Arg Asn Gly Ser Leu Phe Ser
                405                 410                 415

Arg Asn Cys Ala Tyr Ser Lys Gly Arg Arg Arg Lys Asp Asp Tyr Ala
            420                 425                 430

Glu Ala Gly Thr Lys Lys Asp Asn Ser Ile Leu Glu Ile Arg Glu Thr
        435                 440                 445

Ser Phe Gln Met Leu Pro Ile Ser Asn Glu Pro Ile Ser Lys Glu Glu
    450                 455                 460

Phe Val Ile His Thr Ile Phe Pro Pro Asn Gly Met Asn Leu Tyr Lys
465                 470                 475                 480

Asn Asn His Ser Glu Ser Ser Ser Asn Arg Ser Tyr Arg Asp Ser Gly
                485                 490                 495

Ile Pro Asp Ser Asp His Ser His Ser
            500                 505
```

<210> 6353
<211> 719
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (250)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (278)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (647)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO__0122920A2_I_>

<221> SITE
<222> (650)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6353

```
Thr Ala Trp Pro Ala Ser Trp Thr Thr Pro Pro Ala Ser Ser Met Ser
  1               5                  10                  15

Arg Asp Leu Leu Phe Lys His Tyr Cys Tyr Pro Glu Arg Asp Pro Glu
             20                  25                  30

Glu Val Phe Ala Phe Leu Leu Arg Phe Pro His Val Ala Leu Phe Thr
         35                  40                  45

Phe Asp Gly Leu Asp Glu Leu His Ser Asp Leu Asp Leu Ser Arg Val
     50                  55                  60

Pro Asp Ser Ser Cys Pro Trp Glu Pro Ala His Pro Leu Val Leu Leu
 65                  70                  75                  80

Ala Asn Leu Leu Ser Gly Lys Leu Leu Lys Gly Ala Ser Lys Leu Leu
                 85                  90                  95

Thr Ala Arg Thr Gly Ile Glu Val Pro Arg Gln Phe Leu Arg Lys Lys
            100                 105                 110

Val Leu Leu Arg Gly Phe Ser Pro Ser His Leu Arg Ala Tyr Ala Arg
        115                 120                 125

Arg Met Phe Pro Glu Arg Ala Leu Gln Asp Arg Leu Leu Ser Gln Leu
    130                 135                 140

Glu Ala Asn Pro Asn Leu Cys Ser Leu Cys Ser Val Pro Leu Phe Cys
145                 150                 155                 160

Trp Ile Ile Phe Arg Cys Phe Gln His Phe Arg Ala Ala Phe Glu Gly
                165                 170                 175

Ser Pro Gln Leu Pro Asp Cys Thr Met Thr Leu Thr Asp Val Phe Leu
            180                 185                 190

Leu Val Thr Glu Val His Leu Asn Arg Met Gln Pro Ser Ser Leu Val
        195                 200                 205

Gln Arg Asn Thr Arg Ser Pro Val Glu Thr Leu His Ala Gly Arg Asp
    210                 215                 220

Thr Leu Cys Ser Leu Gly Gln Val Ala His Arg Gly Met Glu Lys Ser
225                 230                 235                 240

Leu Phe Val Phe Thr Gln Glu Glu Val Xaa Ala Ser Gly Leu Gln Glu
```

BNSDOCID: <WO_ 0122920A2 I >

245 250 255

Arg Asp Met Gln Leu Gly Phe Leu Arg Ala Leu Pro Glu Leu Gly Pro
260 265 270

Gly Gly Asp Gln Gln Xaa Tyr Glu Phe Phe His Leu Thr Leu Gln Ala
275 280 285

Phe Phe Thr Ala Phe Phe Leu Val Leu Asp Asp Arg Val Gly Thr Gln
290 295 300

Glu Leu Leu Arg Phe Phe Gln Glu Trp Met Pro Pro Ala Gly Ala Ala
305 310 315 320

Thr Thr Ser Cys Tyr Pro Pro Phe Leu Pro Phe Gln Cys Leu Gln Gly
325 330 335

Ser Gly Pro Ala Arg Glu Asp Leu Phe Lys Asn Lys Asp His Phe Gln
340 345 350

Phe Thr Asn Leu Phe Leu Cys Gly Leu Leu Ser Lys Ala Lys Gln Lys
355 360 365

Leu Leu Arg His Leu Val Pro Ala Ala Ala Leu Arg Arg Lys Arg Lys
370 375 380

Ala Leu Trp Ala His Leu Phe Ser Ser Leu Arg Gly Tyr Leu Lys Ser
385 390 395 400

Leu Pro Arg Val Gln Val Glu Ser Phe Asn Gln Val Gln Ala Met Pro
405 410 415

Thr Phe Ile Trp Met Leu Arg Cys Ile Tyr Glu Thr Gln Ser Gln Lys
420 425 430

Val Gly Gln Leu Ala Ala Arg Gly Ile Cys Ala Asn Tyr Leu Lys Leu
435 440 445

Thr Tyr Cys Asn Ala Cys Ser Ala Asp Cys Ser Ala Leu Ser Phe Val
450 455 460

Leu His His Phe Pro Lys Arg Leu Ala Leu Asp Leu Asp Asn Asn Asn
465 470 475 480

Leu Asn Asp Tyr Gly Val Arg Glu Leu Gln Pro Cys Phe Ser Arg Leu
485 490 495

Thr Val Leu Arg Leu Ser Val Asn Gln Ile Thr Asp Gly Gly Val Lys
500 505 510

Val Leu Ser Glu Glu Leu Thr Lys Tyr Lys Ile Val Thr Tyr Leu Gly

BNSDOCID: <WO__0122920A2 I >

515 520 525

Leu Tyr Asn Asn Gln Ile Thr Asp Val Gly Ala Arg Tyr Val Thr Lys
530 535 540

Ile Leu Asp Glu Cys Lys Gly Leu Thr His Leu Lys Leu Gly Lys Asn
545 550 555 560

Lys Ile Thr Ser Glu Gly Gly Lys Tyr Leu Ala Leu Ala Val Lys Asn
565 570 575

Ser Lys Ser Ile Ser Glu Val Gly Met Trp Gly Asn Gln Val Gly Asp
580 585 590

Glu Gly Ala Lys Ala Phe Ala Glu Ala Leu Arg Asn His Pro Ser Leu
595 600 605

Thr Thr Leu Ser Leu Ala Ser Asn Gly Ile Ser Thr Glu Gly Gly Lys
610 615 620

Ser Leu Ala Arg Ala Leu Gln Gln Asn Thr Ser Leu Glu Ile Leu Trp
625 630 635 640

Leu Thr Gln Asn Glu Leu Xaa Asp Glu Xaa Ala Glu Ser Leu Ala Glu
645 650 655

Met Leu Lys Val Asn Gln Thr Leu Lys His Leu Trp Leu Ile Gln Asn
660 665 670

Gln Ile Thr Ala Lys Gly Thr Ala Gln Leu Ala Asp Ala Leu Gln Ser
675 680 685

Asn Thr Gly Ile Thr Glu Ile Cys Leu Asn Gly Asn Leu Ile Lys Pro
690 695 700

Glu Glu Ala Lys Val Tyr Glu Asp Glu Lys Arg Ile Ile Cys Phe
705 710 715

<210> 6354
<211> 729
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (196)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6354

```
Leu Ser Pro Leu Lys Leu Tyr Ala Gln Val Cys Arg Tyr Asp Leu Gly
  1               5                  10                  15

Pro Tyr Leu Ala Ser Leu Pro Leu Asp Ser Ser Leu Leu Xaa Gln Pro
             20                  25                  30

Asn Leu Val Ala Pro Thr Ser Gln Ser Leu Ile Thr Pro Pro Gln Met
         35                  40                  45

Thr Asn Thr Gly Asn Ala Asn Thr Pro Ser Ala Thr Leu Ala Ser Ala
     50                  55                  60

Ala Ser Ser Thr Met Thr Val Thr Ser Gly Val Ala Ile Ser Thr Ser
 65                  70                  75                  80

Val Ala Thr Ala Asn Ser Thr Leu Thr Thr Ala Ser Thr Ser Ser Ser
                 85                  90                  95

Ser Ser Ser Asn Leu Asn Ser Gly Val Ser Ser Asn Lys Leu Pro Ser
            100                 105                 110

Phe Pro Pro Phe Gly Ser Met Asn Ser Asn Ala Ala Gly Ser Met Ser
        115                 120                 125

Thr Gln Ala Asn Thr Val Gln Ser Gly Gln Leu Gly Gly Gln Gln Thr
    130                 135                 140

Ser Ala Leu Gln Thr Ala Gly Ile Ser Gly Glu Ser Ser Ser Leu Pro
145                 150                 155                 160

Thr Gln Pro His Pro Asp Val Ser Glu Ser Thr Met Asp Arg Asp Lys
                165                 170                 175

Val Gly Ile Pro Thr Asp Gly Asp Ser His Ala Val Thr Tyr Pro Pro
            180                 185                 190

Ala Ile Val Xaa Tyr Ile Ile Asp Pro Phe Thr Tyr Glu Asn Thr Asp
        195                 200                 205

Glu Ser Thr Asn Ser Ser Ser Val Trp Thr Leu Gly Leu Leu Arg Cys
    210                 215                 220

Phe Leu Glu Met Val Gln Thr Leu Pro Pro His Ile Lys Ser Thr Val
225                 230                 235                 240

Ser Val Gln Ile Ile Pro Cys Gln Tyr Leu Leu Gln Pro Val Lys His
```

245 250 255

Glu Asp Arg Glu Ile Tyr Pro Gln His Leu Lys Ser Leu Ala Phe Ser
260 265 270

Ala Phe Thr Gln Cys Arg Arg Pro Leu Pro Thr Ser Thr Asn Val Lys
275 280 285

Thr Leu Thr Gly Phe Gly Pro Gly Leu Ala Met Glu Thr Ala Leu Arg
290 295 300

Ser Pro Asp Arg Pro Glu Cys Ile Arg Leu Tyr Ala Pro Pro Phe Ile
305 310 315 320

Leu Ala Pro Val Lys Asp Lys Gln Thr Glu Leu Gly Glu Thr Phe Gly
325 330 335

Glu Ala Gly Gln Lys Tyr Asn Val Leu Phe Val Gly Tyr Cys Leu Ser
340 345 350

His Asp Gln Arg Trp Ile Leu Ala Ser Cys Thr Asp Leu Tyr Gly Glu
355 360 365

Leu Leu Glu Thr Cys Ile Ile Asn Ile Asp Val Pro Asn Arg Ala Arg
370 375 380

Arg Lys Lys Ser Ser Ala Arg Lys Phe Gly Leu Gln Lys Leu Trp Glu
385 390 395 400

Trp Cys Leu Gly Leu Val Gln Met Ser Ser Leu Pro Trp Arg Val Val
405 410 415

Ile Gly Arg Leu Gly Arg Ile Gly His Gly Glu Leu Lys Asp Trp Ser
420 425 430

Cys Leu Leu Ser Arg Arg Asn Leu Gln Ser Leu Ser Lys Arg Leu Lys
435 440 445

Asp Met Cys Arg Met Cys Gly Ile Ser Ala Ala Asp Ser Pro Ser Ile
450 455 460

Leu Ser Ala Cys Leu Val Ala Met Glu Pro Gln Gly Ser Phe Val Ile
465 470 475 480

Met Pro Asp Ser Val Ser Thr Gly Ser Val Phe Gly Arg Ser Thr Thr
485 490 495

Leu Asn Met Gln Thr Ser Gln Leu Asn Thr Pro Gln Asp Thr Ser Cys
500 505 510

Thr His Ile Leu Val Phe Pro Thr Ser Ala Ser Val Gln Val Ala Ser

BNSDOCID: <WO_ _0122920A2_I_>

515 520 525

Ala Thr Tyr Thr Thr Glu Asn Leu Asp Leu Ala Phe Asn Pro Asn Asn
530 535 540

Asp Gly Ala Asp Gly Met Gly Ile Phe Asp Leu Leu Asp Thr Gly Asp
545 550 555 560

Asp Leu Asp Pro Asp Ile Ile Asn Ile Leu Pro Ala Ser Pro Thr Gly
565 570 575

Ser Pro Val His Ser Pro Gly Ser His Tyr Pro His Gly Gly Asp Ala
580 585 590

Gly Lys Gly Gln Ser Thr Asp Arg Leu Leu Ser Thr Glu Pro His Glu
595 600 605

Glu Val Pro Asn Ile Leu Gln Gln Pro Leu Ala Leu Gly Tyr Phe Val
610 615 620

Ser Thr Ala Lys Ala Gly Pro Leu Pro Asp Trp Phe Trp Ser Ala Cys
625 630 635 640

Pro Gln Ala Gln Tyr Gln Cys Pro Leu Phe Leu Lys Ala Ser Leu His
645 650 655

Leu His Val Pro Ser Val Gln Ser Asp Glu Leu Leu His Ser Lys His
660 665 670

Ser His Pro Leu Asp Ser Asn Gln Thr Ser Asp Val Leu Arg Phe Val
675 680 685

Leu Glu Gln Tyr Asn Ala Leu Ser Trp Leu Thr Cys Asp Pro Ala Thr
690 695 700

Gln Asp Arg Arg Ser Cys Leu Pro Ile His Phe Val Val Leu Asn Gln
705 710 715 720

Leu Tyr Asn Phe Ile Met Asn Met Leu
725

<210> 6355
<211> 552
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)

BNSDOCID: <WO_ _ 0122920A2_1 >

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6355

```
Val Ser Leu Thr Arg Arg Glu Gly Thr Gly Pro Arg Pro Arg Ala Ala
  1               5                  10                  15

Gly Ala Gly Ala Arg His Val His Arg Leu Gly Arg Glu Val Ala Ile
             20                  25                  30

Ala Glu Arg Gln Glu Gly Arg Gly Gly Pro Gly Arg Arg Pro Xaa Val
         35                  40                  45

Gly Arg Arg Trp Gly Arg Pro Ala Arg Leu His Leu Arg Ala His Gly
     50                  55                  60

Pro Arg Pro Ser Val Arg Thr Gly Leu Pro Ser Val Gly Arg Gln Ala
 65                  70                  75                  80

Ala Gly Ala Ala Met Gly Arg Gly Trp Gly Phe Leu Phe Gly Leu Leu
                 85                  90                  95

Gly Ala Val Trp Leu Leu Ser Ser Gly His Gly Glu Glu Gln Pro Pro
            100                 105                 110

Glu Thr Ala Ala Gln Arg Cys Phe Cys Gln Val Ser Gly Tyr Leu Asp
        115                 120                 125

Asp Cys Thr Cys Asp Val Glu Thr Ile Asp Arg Phe Asn Asn Tyr Arg
    130                 135                 140

Leu Phe Pro Arg Leu Gln Lys Leu Leu Glu Ser Asp Tyr Phe Arg Tyr
145                 150                 155                 160

Tyr Lys Val Asn Leu Lys Arg Pro Cys Pro Phe Trp Asn Asp Ile Ser
                165                 170                 175

Gln Cys Gly Arg Arg Asp Cys Ala Val Lys Pro Cys Gln Ser Asp Glu
            180                 185                 190

Val Pro Asp Gly Ile Lys Ser Ala Ser Tyr Lys Tyr Ser Glu Glu Ala
        195                 200                 205

Asn Asn Leu Ile Glu Glu Cys Glu Gln Ala Glu Arg Leu Gly Ala Val
    210                 215                 220

Asp Glu Ser Leu Ser Glu Glu Thr Gln Lys Ala Val Leu Gln Trp Thr
225                 230                 235                 240

Lys His Asp Asp Ser Ser Asp Asn Phe Cys Glu Ala Asp Asp Ile Gln
                245                 250                 255
```

```
Ser Pro Glu Ala Glu Tyr Val Asp Leu Leu Leu Asn Pro Glu Arg Tyr
            260                 265                 270

Thr Gly Tyr Lys Gly Pro Asp Ala Trp Lys Ile Trp Asn Val Ile Tyr
        275                 280                 285

Glu Glu Asn Cys Phe Lys Pro Gln Thr Ile Lys Arg Pro Leu Asn Pro
    290                 295                 300

Leu Ala Ser Gly Gln Gly Thr Ser Glu Glu Asn Thr Phe Tyr Ser Trp
305                 310                 315                 320

Leu Glu Gly Leu Cys Val Glu Lys Arg Ala Phe Tyr Arg Leu Ile Ser
                325                 330                 335

Gly Leu His Ala Ser Ile Asn Val His Leu Ser Ala Arg Tyr Leu Leu
            340                 345                 350

Gln Glu Thr Trp Leu Glu Lys Lys Trp Gly His Asn Ile Thr Glu Phe
        355                 360                 365

Gln Gln Arg Phe Asp Gly Ile Leu Thr Glu Gly Glu Gly Pro Arg Arg
    370                 375                 380

Leu Lys Asn Leu Tyr Phe Leu Tyr Leu Ile Glu Leu Arg Ala Leu Ser
385                 390                 395                 400

Lys Val Leu Pro Phe Phe Glu Arg Pro Asp Phe Gln Leu Phe Thr Gly
                405                 410                 415

Asn Lys Ile Gln Asp Glu Glu Asn Lys Met Leu Leu Leu Glu Ile Leu
            420                 425                 430

His Glu Ile Lys Ser Phe Pro Leu His Phe Asp Glu Asn Ser Phe Phe
        435                 440                 445

Ala Gly Asp Lys Lys Glu Ala His Lys Leu Lys Glu Asp Phe Arg Leu
    450                 455                 460

His Phe Arg Asn Ile Ser Arg Ile Met Asp Cys Val Gly Cys Phe Lys
465                 470                 475                 480

Cys Arg Leu Trp Gly Lys Leu Gln Thr Gln Gly Leu Gly Thr Ala Leu
                485                 490                 495

Lys Ile Leu Phe Ser Glu Lys Leu Ile Ala Asn Met Pro Glu Ser Gly
            500                 505                 510

Pro Ser Tyr Glu Phe His Leu Thr Arg Gln Glu Ile Val Ser Leu Phe
        515                 520                 525
```

BNSDOCID: <WO___0122920A2_I_>

```
Asn Ala Phe Gly Arg Ile Ser Thr Ser Val Lys Glu Leu Glu Asn Phe
    530                 535                 540

Arg Asn Leu Leu Gln Asn Ile His
545                 550
```

<210> 6356
<211> 481
<212> PRT
<213> Homo sapiens

<400> 6356

```
Ala Thr Asn Arg Val Val Ala Pro Thr Pro Gly Pro Gly Thr Pro Ala
  1               5                  10                  15

Glu Arg His Ala Asp Gly Leu Ala Leu Ala Leu Glu Pro Ala Leu Ala
             20                  25                  30

Ser Pro Ala Gly Ala Ala Asn Phe Leu Ala Met Val Asp Asn Leu Gln
         35                  40                  45

Gly Asp Ser Gly Arg Gly Tyr Tyr Leu Glu Met Leu Ile Gly Thr Pro
     50                  55                  60

Pro Gln Lys Leu Gln Ile Leu Val Asp Thr Gly Ser Ser Asn Phe Ala
 65                  70                  75                  80

Val Ala Gly Thr Pro His Ser Tyr Ile Asp Thr Tyr Phe Asp Thr Glu
                 85                  90                  95

Arg Ser Ser Thr Tyr Arg Ser Lys Gly Phe Asp Val Thr Val Lys Tyr
            100                 105                 110

Thr Gln Gly Ser Trp Thr Gly Phe Val Gly Glu Asp Leu Val Thr Ile
        115                 120                 125

Pro Lys Gly Phe Asn Thr Ser Phe Leu Val Asn Ile Ala Thr Ile Phe
    130                 135                 140

Glu Ser Glu Asn Phe Phe Leu Pro Gly Ile Lys Trp Asn Gly Ile Leu
145                 150                 155                 160

Gly Leu Ala Tyr Ala Thr Leu Ala Lys Pro Ser Ser Ser Leu Glu Thr
                165                 170                 175

Phe Phe Asp Ser Leu Val Thr Gln Ala Asn Ile Pro Asn Val Phe Ser
            180                 185                 190

Met Gln Met Cys Gly Ala Gly Leu Pro Val Ala Gly Ser Gly Thr Asn
```

195 200 205

Gly Gly Ser Leu Val Leu Gly Gly Ile Glu Pro Ser Leu Tyr Lys Gly
210 215 220

Asp Ile Trp Tyr Thr Pro Ile Lys Glu Glu Trp Tyr Tyr Gln Ile Glu
225 230 235 240

Ile Leu Lys Leu Glu Ile Gly Gly Gln Ser Leu Asn Leu Asp Cys Arg
245 250 255

Glu Tyr Asn Ala Asp Lys Ala Ile Val Asp Ser Gly Thr Thr Leu Leu
260 265 270

Arg Leu Pro Gln Lys Val Phe Asp Ala Val Val Glu Ala Val Ala Arg
275 280 285

Ala Ser Leu Ile Pro Glu Phe Ser Asp Gly Phe Trp Thr Gly Ser Gln
290 295 300

Leu Ala Cys Trp Thr Asn Ser Glu Thr Pro Trp Ser Tyr Phe Pro Lys
305 310 315 320

Ile Ser Ile Tyr Leu Arg Asp Glu Asn Ser Ser Arg Ser Phe Arg Ile
325 330 335

Thr Ile Leu Pro Gln Leu Tyr Ile Gln Pro Met Met Gly Ala Gly Leu
340 345 350

Asn Tyr Glu Cys Tyr Arg Phe Gly Ile Ser Pro Ser Thr Asn Ala Leu
355 360 365

Val Ile Gly Ala Thr Val Met Glu Gly Phe Tyr Val Ile Phe Asp Arg
370 375 380

Ala Gln Lys Arg Val Gly Phe Ala Ala Ser Pro Cys Ala Glu Ile Ala
385 390 395 400

Gly Ala Ala Val Ser Glu Ile Ser Gly Pro Phe Ser Thr Glu Asp Val
405 410 415

Ala Ser Asn Cys Val Pro Ala Gln Ser Leu Ser Glu Pro Ile Leu Trp
420 425 430

Ile Val Ser Tyr Ala Leu Met Ser Val Cys Gly Ala Ile Leu Leu Val
435 440 445

Leu Ile Val Leu Leu Leu Leu Pro Phe Arg Cys Gln Arg Arg Pro Arg
450 455 460

Asp Pro Glu Val Val Asn Asp Glu Ser Ser Leu Val Arg His Arg Trp

BNSDOCID: <WO___0122920A2_I_>

465 470 475 480

Lys

<210> 6357
<211> 441
<212> PRT
<213> Homo sapiens

<400> 6357
Gly Gly Ser Trp Cys Arg Ser Ser Pro Gly Arg Asp Gly Ser Pro Gly
1 5 10 15

Ala Lys Gly Asp Arg Gly Glu Thr Gly Pro Ala Gly Pro Pro Gly Ala
20 25 30

Pro Gly Ala Pro Gly Ala Pro Gly Pro Val Gly Pro Ala Gly Lys Ser
35 40 45

Gly Asp Arg Gly Glu Thr Gly Pro Ala Gly Pro Ala Gly Pro Val Gly
50 55 60

Pro Val Gly Ala Arg Gly Pro Ala Gly Pro Gln Gly Pro Arg Gly Asp
65 70 75 80

Lys Gly Glu Thr Gly Glu Gln Gly Asp Arg Gly Ile Lys Gly His Arg
85 90 95

Gly Phe Ser Gly Leu Gln Gly Pro Pro Gly Pro Pro Gly Ser Pro Gly
100 105 110

Glu Gln Gly Pro Ser Gly Ala Ser Gly Pro Ala Gly Pro Arg Gly Pro
115 120 125

Pro Gly Ser Ala Gly Ala Pro Gly Lys Asp Gly Leu Asn Gly Leu Pro
130 135 140

Gly Pro Ile Gly Pro Pro Gly Pro Arg Gly Arg Thr Gly Asp Ala Gly
145 150 155 160

Pro Val Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro
165 170 175

Pro Ser Ala Gly Phe Asp Phe Ser Phe Leu Pro Gln Pro Pro Gln Glu
180 185 190

Lys Ala His Asp Gly Gly Arg Tyr Tyr Arg Ala Asp Asp Ala Asn Val
195 200 205

BNSDOCID: <WO_ _ 0122920A2 I >

```
Val Arg Asp Arg Asp Leu Glu Val Asp Thr Thr Leu Lys Ser Leu Ser
    210                 215                 220

Gln Gln Ile Glu Asn Ile Arg Ser Pro Glu Gly Ser Arg Lys Asn Pro
225                 230                 235                 240

Ala Arg Thr Cys Arg Asp Leu Lys Met Cys His Ser Asp Trp Lys Ser
                245                 250                 255

Gly Glu Tyr Trp Ile Asp Pro Asn Gln Gly Cys Asn Leu Asp Ala Ile
            260                 265                 270

Lys Val Phe Cys Asn Met Glu Thr Gly Glu Thr Cys Val Tyr Pro Thr
        275                 280                 285

Gln Pro Ser Val Ala Gln Lys Asn Trp Tyr Ile Ser Lys Asn Pro Lys
    290                 295                 300

Asp Lys Arg His Val Trp Phe Gly Glu Ser Met Thr Asp Gly Phe Gln
305                 310                 315                 320

Phe Glu Tyr Gly Gly Gln Gly Ser Asp Pro Ala Asp Val Ala Ile Gln
                325                 330                 335

Leu Thr Phe Leu Arg Leu Met Ser Thr Glu Ala Ser Gln Asn Ile Thr
            340                 345                 350

Tyr His Cys Lys Asn Ser Val Ala Tyr Met Asp Gln Gln Thr Gly Asn
        355                 360                 365

Leu Lys Lys Ala Leu Leu Leu Gln Gly Ser Asn Glu Ile Glu Ile Arg
    370                 375                 380

Ala Glu Gly Asn Ser Arg Phe Thr Tyr Ser Val Thr Val Asp Gly Cys
385                 390                 395                 400

Thr Ser His Thr Gly Ala Trp Gly Lys Thr Val Ile Glu Tyr Lys Thr
                405                 410                 415

Thr Lys Thr Ser Arg Leu Pro Ile Ile Asp Val Ala Pro Leu Asp Val
            420                 425                 430

Gly Ala Pro Asp Gln Glu Phe Gly Phe
        435                 440
```

<210> 6358
<211> 458
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6358

```
Arg Arg Ser Pro Leu Thr Ala Pro Leu Thr Thr Thr Asn Pro Tyr Ser
  1               5                  10                  15

Thr Arg Leu Val Cys Pro Thr Leu Gly Asp Ala Glu Pro Gln Pro Arg
             20                  25                  30

Pro Arg Pro Lys His Ser Phe Asn Trp Tyr Cys Gly Xaa Arg Gly Phe
         35                  40                  45

Cys Leu Leu Gln Leu Ala Pro Ala Ala Gly Arg Ser Cys Asp Ser Ala
     50                  55                  60

Glu Ser Arg Arg Arg Val Leu Val Leu Thr Arg Arg Ala Met Thr Val
 65                  70                  75                  80

Ala Arg Pro Ser Val Pro Ala Ala Leu Pro Leu Leu Gly Glu Leu Pro
                 85                  90                  95

Arg Leu Leu Leu Leu Val Leu Leu Cys Leu Pro Ala Val Trp Gly Asp
            100                 105                 110

Cys Gly Leu Pro Pro Asp Val Pro Asn Ala Gln Pro Ala Leu Glu Gly
        115                 120                 125

Arg Thr Ser Phe Pro Glu Asp Thr Val Ile Thr Tyr Lys Cys Glu Glu
    130                 135                 140

Ser Phe Val Lys Ile Pro Gly Glu Lys Asp Ser Val Ile Cys Leu Lys
145                 150                 155                 160

Gly Ser Gln Trp Ser Asp Ile Glu Glu Phe Cys Asn Arg Ser Cys Glu
                165                 170                 175

Val Pro Thr Arg Leu Asn Ser Ala Ser Leu Lys Gln Pro Tyr Ile Thr
            180                 185                 190

Gln Asn Tyr Phe Pro Val Gly Thr Val Val Glu Tyr Glu Cys Arg Pro
        195                 200                 205

Gly Tyr Arg Arg Glu Pro Ser Leu Ser Pro Lys Leu Thr Cys Leu Gln
    210                 215                 220

Asn Leu Lys Trp Ser Thr Ala Val Glu Phe Cys Lys Lys Lys Ser Cys
```

225 230 235 240

Pro Asn Pro Gly Glu Ile Arg Asn Gly Gln Ile Asp Val Pro Gly Gly
245 250 255

Ile Leu Phe Gly Ala Thr Ile Ser Phe Ser Cys Asn Thr Gly Tyr Lys
260 265 270

Leu Phe Gly Ser Thr Ser Ser Phe Cys Leu Ile Ser Gly Ser Ser Val
275 280 285

Gln Trp Ser Asp Pro Leu Pro Glu Cys Arg Glu Ile Tyr Cys Pro Ala
290 295 300

Pro Pro Gln Ile Asp Asn Gly Ile Ile Gln Gly Glu Arg Asp His Tyr
305 310 315 320

Gly Tyr Arg Gln Ser Val Thr Tyr Ala Cys Asn Lys Gly Phe Thr Met
325 330 335

Ile Gly Glu His Ser Ile Tyr Cys Thr Val Asn Asn Asp Glu Gly Glu
340 345 350

Trp Ser Gly Pro Pro Pro Glu Cys Arg Gly Lys Ser Leu Thr Ser Lys
355 360 365

Val Pro Pro Thr Val Gln Lys Pro Thr Thr Val Asn Val Pro Thr Thr
370 375 380

Glu Val Ser Pro Thr Ser Gln Lys Thr Thr Thr Lys Thr Thr Thr Pro
385 390 395 400

Asn Ala Gln Ala Thr Arg Ser Thr Pro Val Ser Arg Thr Thr Lys His
405 410 415

Phe His Glu Thr Thr Pro Asn Lys Gly Ser Gly Thr Thr Ser Gly Thr
420 425 430

Thr Arg Leu Leu Ser Gly His Thr Cys Phe Thr Leu Thr Gly Leu Leu
435 440 445

Gly Thr Leu Val Thr Met Gly Leu Leu Thr
450 455

<210> 6359
<211> 133
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6359
Thr Asn His Ala Asn Val Asn Glu Gly Xaa Val Pro Xaa Xaa Met Leu
1 5 10 15

Val Ala Asn Asp Gln Met Ala Leu Gly Ala Met Arg Ala Ile Thr Glu
20 25 30

Ser Gly Leu Arg Val Gly Ala Asp Ile Ser Val Val Gly Tyr Asp Asp
35 40 45

Thr Glu Asp Ser Ser Cys Tyr Ile Pro Pro Leu Thr Thr Ile Lys Gln
50 55 60

Asp Phe Arg Leu Leu Gly Gln Thr Ser Val Asp Arg Leu Leu Gln Leu
65 70 75 80

Ser Gln Gly Gln Ala Val Lys Gly Asn Gln Leu Leu Pro Val Ser Leu
85 90 95

Val Lys Arg Lys Thr Thr Leu Ala Pro Asn Thr Gln Thr Ala Ser Pro
100 105 110

Arg Ala Leu Ala Asp Ser Leu Met Gln Leu Ala Arg Gln Val Ser Arg
115 120 125

Leu Glu Ser Gly Gln
130

<210> 6360
<211> 332
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO _ 0122920A2_I >

<221> SITE
<222> (199)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (255)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6360

```
Arg Glu Gln Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr
  1               5                  10                  15

Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Arg Ala Pro Ala
             20                  25                  30

Ser Cys Pro Ser Arg Gln Glu Glu Trp Gly Leu Thr Ser Thr Ser Val
         35                  40                  45

Leu Lys Arg Glu Ala Pro Ala Gly Arg Asp Pro Glu Glu Pro Gly Asp
     50                  55                  60

Val Gly Ala Gly Asp Pro Asn Ser Asp Gln Gly Leu Pro Val Leu Met
 65                  70                  75                  80

Thr Gln Gly Thr Glu Asp Leu Lys Gly Pro Gly Gln Arg Cys Glu Asn
                 85                  90                  95

Glu Pro Leu Leu Asp Pro Val Gly Pro Glu Pro Leu Gly Pro Glu Ser
            100                 105                 110

Gln Ser Gly Lys Gly Asp Met Val Glu Met Ala Thr Arg Phe Gly Ser
        115                 120                 125

Thr Leu Gln Leu Asp Leu Glu Lys Gly Lys Glu Ser Leu Leu Glu Lys
    130                 135                 140

Arg Leu Val Ala Glu Glu Glu Glu Asp Glu Glu Glu Val Glu Glu Asp
145                 150                 155                 160

Gly Pro Ser Ser Cys Ser Glu Asp Asp Tyr Ser Glu Leu Leu Gln Glu
                165                 170                 175

Ile Thr Asp Asn Leu Thr Lys Lys Glu Ile Gln Ile Glu Lys Ile His
            180                 185                 190

Leu Asp Thr Ser Ser Phe Xaa Glu Glu Leu Pro Gly Glu Lys Asp Leu
        195                 200                 205

Ala His Val Val Glu Ile Tyr Asp Phe Glu Pro Ala Leu Lys Thr Glu
    210                 215                 220
```

```
Asp Leu Leu Ala Thr Phe Ser Glu Phe Gln Glu Lys Gly Phe Arg Ile
225                 230                 235                 240

Gln Trp Val Asp Asp Thr His Ala Leu Gly Ile Phe Pro Cys Xaa Ala
                245                 250                 255

Ser Ala Ala Glu Ala Leu Thr Arg Glu Phe Ser Val Leu Lys Ile Arg
            260                 265                 270

Pro Leu Thr Gln Gly Thr Lys Gln Ser Lys Leu Lys Ala Leu Gln Arg
        275                 280                 285

Pro Lys Leu Leu Arg Leu Val Lys Glu Arg Pro Gln Thr Asn Ala Thr
    290                 295                 300

Val Ala Arg Arg Leu Val Ala Arg Ala Leu Gly Leu Gln His Lys Lys
305                 310                 315                 320

Lys Glu Arg Pro Ala Val Arg Gly Pro Leu Pro Pro
                325                 330
```

<210> 6361
<211> 258
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6361

```
Pro Gly Arg Gly Phe Gln Arg Phe Phe Lys Ala Val Glu Pro Lys Trp
  1               5                  10                  15

Asp Leu Lys Thr Asp Trp Gln Ile Ile Ser Glu Ile Ala Thr Arg Met
            20                  25                  30

Gly Tyr Pro Met His Tyr Asn Asn Thr Gln Glu Ile Trp Asp Glu Leu
        35                  40                  45

Arg His Leu Cys Pro Asp Phe Tyr Gly Ala Thr Tyr Glu Lys Met Gly
    50                  55                  60

Glu Leu Gly Phe Ile Gln Trp Pro Cys Arg Asp Thr Ser Asp Ala Asp
65                  70                  75                  80

Gln Gly Thr Ser Tyr Leu Phe Lys Glu Lys Phe Asp Thr Pro Asn Gly
```

```
                85                  90                  95

Leu Ala Gln Phe Phe Thr Cys Asp Trp Val Ala Pro Ile Asp Lys Leu
            100                 105                 110

Thr Asp Glu Tyr Pro Met Val Leu Ser Thr Val Arg Glu Val Gly His
        115                 120                 125

Tyr Ser Cys Arg Ser Met Thr Gly Asn Cys Ala Xaa Leu Ala Ala Leu
    130                 135                 140

Ala Asp Glu Pro Gly Tyr Ala Gln Ile Asn Thr Glu Asp Ala Lys Arg
145                 150                 155                 160

Leu Gly Ile Glu Asp Glu Ala Leu Val Trp Val His Ser Arg Lys Gly
                165                 170                 175

Lys Ile Ile Thr Arg Ala Gln Val Ser Asp Arg Pro Asn Lys Gly Ala
            180                 185                 190

Ile Tyr Met Thr Tyr Gln Trp Trp Ile Gly Ala Cys Asn Glu Leu Val
        195                 200                 205

Thr Glu Asn Leu Ser Pro Ile Thr Lys Thr Pro Glu Tyr Lys Tyr Cys
    210                 215                 220

Ala Val Arg Val Glu Pro Ile Ala Asp Gln Arg Ala Ala Glu Gln Tyr
225                 230                 235                 240

Val Ile Asp Glu Tyr Asn Lys Leu Lys Thr Arg Leu Arg Glu Ala Ala
                245                 250                 255

Leu Ala
```

<210> 6362
<211> 38
<212> PRT
<213> Homo sapiens

<400> 6362

```
Phe Cys Ile Phe Leu Val Glu Thr Gly Phe Leu His Val Gly Gln Gly
  1               5                  10                  15

Ser Pro Glu Leu Leu Thr Ser Ser Asp Leu Pro Ala Ser Ala Ser Gln
            20                  25                  30

Val Leu Gly Leu Gln Ala
        35
```

BNSDOCID: <WO___0122920A2_I_>

<210> 6363
<211> 232
<212> PRT
<213> Homo sapiens

<400> 6363

```
Leu Pro Val Pro Gly Arg Gly Arg Val Phe Phe Glu Asp Leu Gly Leu
  1               5                  10                  15

Arg Asp Thr Val Arg Met Ala Val Val Pro Leu Leu Leu Leu Gly Gly
             20                  25                  30

Leu Trp Ser Ala Val Gly Ala Ser Ser Leu Gly Val Val Thr Cys Gly
         35                  40                  45

Ser Val Val Lys Leu Leu Asn Thr Arg His Asn Val Arg Leu His Ser
     50                  55                  60

His Asp Val Arg Tyr Gly Ser Gly Ser Gly Gln Gln Ser Val Thr Gly
 65                  70                  75                  80

Val Thr Ser Val Asp Asp Ser Asn Ser Tyr Trp Arg Ile Arg Gly Lys
                 85                  90                  95

Ser Ala Thr Val Cys Glu Arg Gly Thr Pro Ile Lys Cys Gly Gln Pro
            100                 105                 110

Ile Arg Leu Thr His Val Asn Thr Gly Arg Asn Leu His Ser His His
        115                 120                 125

Phe Thr Ser Pro Leu Ser Gly Asn Gln Glu Val Ser Ala Phe Gly Glu
    130                 135                 140

Glu Gly Glu Gly Asp Tyr Leu Asp Asp Trp Thr Val Leu Cys Asn Gly
145                 150                 155                 160

Pro Tyr Trp Val Arg Asp Gly Glu Val Arg Phe Lys His Ser Ser Thr
                165                 170                 175

Glu Val Leu Leu Ser Val Thr Gly Glu Gln Tyr Gly Arg Pro Ile Ser
            180                 185                 190

Gly Gln Lys Glu Val His Gly Met Ala Gln Pro Ser Gln Asn Asn Tyr
        195                 200                 205

Trp Lys Ala Met Glu Gly Ile Phe Met Lys Pro Ser Glu Leu Leu Lys
    210                 215                 220
```

Ala Glu Ala His His Ala Glu Leu
225 230

<210> 6364
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6364
Lys Asp Lys Pro Gln Thr Arg Arg Lys Tyr Leu Ser Asn Thr Ser Tyr
1 5 10 15

Lys Gly Leu Val Ser Lys Ile Tyr Gln Glu Leu Leu Xaa His Asn Lys
20 25 30

Glu Lys Ile Leu Lys Xaa Ser Lys Lys Ser Xaa Xaa Met Tyr His Gln
35 40 45

Arg

<210> 6365
<211> 74
<212> PRT
<213> Homo sapiens

<400> 6365

BNSDOCID: <WO_ 0122920A2 I >>

```
Glu Phe Gly Thr Ser Gly Tyr Ile Phe Leu His Leu Gln Leu Pro His
  1               5                  10                  15

Gly Val Leu Ile Arg Leu Lys Ser Asn Asn Gly Tyr Lys Asn Thr Leu
             20                  25                  30

Lys Ser Arg His Gly Phe Leu Leu Thr Ala Met Arg Glu Phe Leu Glu
         35                  40                  45

Leu Asp Leu Asp Gly Pro Lys Gln Leu Glu Asn Trp Thr Lys Asp Ile
     50                  55                  60

Lys Lys Lys Leu Phe Ser Thr Ile Gly Gln
 65                  70
```

<210> 6366
<211> 129
<212> PRT
<213> Homo sapiens

<400> 6366

```
Gly Arg Gly Lys Ser Gly Pro Gly Leu Pro Gln Ser Cys Leu Leu Cys
  1               5                  10                  15

Ala Val Asn Gly Phe Asn Thr Leu Gly Glu Asn Ile Ala Asp Asn Gly
             20                  25                  30

Gly Val Arg Gln Ala Tyr Lys Ala Tyr Leu Lys Trp Met Ala Glu Gly
         35                  40                  45

Gly Lys Asp Gln Gln Leu Pro Gly Leu Asp Leu Thr His Glu Gln Leu
     50                  55                  60

Phe Phe Ile Asn Tyr Ala Gln Val Trp Cys Gly Ser Tyr Arg Pro Glu
 65                  70                  75                  80

Phe Ala Ile Gln Ser Ile Lys Thr Asp Val His Ser Pro Leu Lys Tyr
                 85                  90                  95

Arg Val Leu Gly Ser Leu Gln Asn Leu Ala Ala Phe Ala Asp Thr Phe
            100                 105                 110

His Cys Ala Arg Gly Thr Pro Met His Pro Lys Glu Arg Cys Arg Val
        115                 120                 125

Trp
```

BNSDOCID: <WO__0122920A2_I_>

<210> 6367
<211> 469
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6367

```
Pro Val Ala Val Gly Arg Val Arg Val Thr Ala Glu Gly Arg Xaa Met
  1               5                  10                  15

Val Leu Gln Thr Thr Lys Gly Leu Arg Leu Leu Phe Asp Gly Asp Ala
             20                  25                  30

His Leu Leu Met Ser Ile Pro Ser Pro Phe Arg Gly Arg Leu Cys Gly
         35                  40                  45

Leu Cys Gly Asn Phe Asn Gly Asn Trp Ser Asp Asp Phe Val Leu Pro
     50                  55                  60

Asn Gly Ser Ala Ala Ser Ser Val Glu Thr Phe Gly Ala Ala Trp Arg
 65                  70                  75                  80

Xaa Pro Gly Ser Ser Lys Gly Cys Gly Glu Gly Cys Gly Pro Gln Gly
                 85                  90                  95

Cys Pro Val Cys Leu Ala Glu Glu Thr Ala Pro Tyr Glu Ser Asn Glu
            100                 105                 110

Ala Cys Gly Gln Leu Arg Asn Pro Gln Gly Pro Phe Ala Thr Cys Gln
        115                 120                 125

Ala Val Leu Ser Pro Ser Glu Tyr Phe Arg Gln Cys Val Tyr Asp Leu
    130                 135                 140

Cys Ala Gln Lys Gly Asp Lys Ala Phe Leu Cys Arg Ser Leu Ala Ala
145                 150                 155                 160

Tyr Thr Ala Ala Cys Gln Ala Ala Gly Val Ala Val Lys Pro Trp Arg
                165                 170                 175

Thr Asp Ser Phe Cys Pro Leu His Cys Pro Ala His Ser His Tyr Ser
```

180 185 190

Ile Cys Thr Arg Thr Cys Gln Gly Ser Cys Ala Ala Leu Ser Gly Leu
195 200 205

Thr Gly Cys Thr Thr Arg Cys Phe Glu Gly Cys Glu Cys Asp Asp Arg
210 215 220

Phe Leu Leu Ser Gln Gly Val Cys Ile Pro Val Gln Asp Cys Gly Cys
225 230 235 240

Thr His Asn Gly Arg Tyr Leu Pro Val Asn Ser Ser Leu Leu Thr Ser
245 250 255

Asp Cys Ser Glu Arg Cys Ser Cys Ser Ser Ser Ser Gly Leu Thr Cys
260 265 270

Gln Ala Ala Gly Cys Pro Pro Gly Arg Val Cys Glu Val Lys Ala Glu
275 280 285

Ala Arg Asn Cys Trp Ala Thr Arg Gly Leu Cys Val Leu Ser Val Gly
290 295 300

Ala Asn Leu Thr Thr Phe Asp Gly Ala Arg Gly Ala Thr Thr Ser Pro
305 310 315 320

Gly Val Tyr Glu Leu Ser Ser Arg Cys Pro Gly Leu Gln Asn Thr Ile
325 330 335

Pro Trp Tyr Arg Val Val Ala Glu Val Gln Ile Cys His Gly Lys Thr
340 345 350

Glu Ala Val Gly Gln Val His Ile Phe Phe Gln Asp Gly Met Val Thr
355 360 365

Leu Thr Pro Asn Lys Gly Val Trp Val Asn Gly Leu Arg Val Asp Leu
370 375 380

Pro Ala Glu Lys Leu Ala Ser Val Ser Val Ser Arg Thr Pro Asp Gly
385 390 395 400

Ser Leu Leu Val Arg Gln Lys Ala Gly Val Gln Val Trp Leu Gly Ala
405 410 415

Asn Gly Lys Val Ala Val Ile Val Ser Asn Asp His Ala Gly Lys Leu
420 425 430

Cys Gly Ala Cys Gly Asn Phe Asp Gly Asp Gln Thr Asn Asp Trp His
435 440 445

Asp Ser Gln Glu Lys Pro Ala Met Glu Lys Trp Arg Ala Gln Asp Phe

BNSDOCID: <WO _ 0122920A2 I >

450 455 460

Ser Pro Cys Tyr Gly
465

<210> 6368
<211> 705
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (244)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (337)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6368
Arg Glu Gln Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr
1 5 10 15

Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Asn Cys Asn Leu
20 25 30

Glu Asp Leu Asp Asn Trp Thr Ala Leu Ile Ser Ala Ser Lys Glu Gly
35 40 45

His Val His Ile Val Glu Glu Leu Leu Lys Cys Gly Val Asn Leu Glu
50 55 60

His Arg Asp Met Gly Gly Trp Thr Ala Leu Met Trp Ala Cys Tyr Lys
65 70 75 80

Gly Arg Thr Asp Val Val Glu Leu Leu Leu Ser His Gly Ala Asn Pro
85 90 95

Ser Val Thr Gly Leu Tyr Ser Val Tyr Pro Ile Ile Trp Ala Ala Gly
100 105 110

Arg Gly His Ala Asp Ile Val His Leu Leu Leu Gln Asn Gly Ala Lys
115 120 125

Val Asn Cys Ser Asp Lys Tyr Gly Thr Thr Pro Leu Val Trp Ala Ala
130 135 140

Arg Lys Gly His Leu Glu Cys Val Lys His Leu Leu Ala Met Gly Ala

145 150 155 160

Asp Val Asp Gln Glu Gly Ala Asn Ser Met Thr Ala Leu Ile Val Ala
165 170 175

Val Lys Gly Gly Tyr Thr Gln Ser Val Lys Glu Ile Leu Lys Arg Asn
180 185 190

Pro Asn Val Asn Leu Thr Asp Lys Asp Gly Asn Thr Ala Leu Met Ile
195 200 205

Ala Ser Lys Glu Gly His Thr Glu Ile Val Gln Asp Leu Leu Asp Ala
210 215 220

Gly Thr Tyr Val Asn Ile Pro Asp Arg Ser Gly Asp Thr Val Leu Ile
225 230 235 240

Gly Ala Val Xaa Gly Gly His Val Glu Ile Val Arg Ala Leu Leu Gln
245 250 255

Lys Tyr Ala Asp Ile Asp Ile Arg Gly Gln Asp Asn Lys Thr Ala Leu
260 265 270

Tyr Trp Ala Val Glu Lys Gly Asn Ala Thr Met Val Arg Asp Ile Leu
275 280 285

Gln Cys Asn Pro Asp Thr Glu Ile Cys Thr Lys Asp Gly Glu Thr Pro
290 295 300

Leu Ile Lys Ala Thr Lys Met Arg Asn Ile Glu Val Val Glu Leu Leu
305 310 315 320

Leu Asp Lys Gly Ala Lys Val Ser Ala Val Asp Lys Lys Gly Asp Thr
325 330 335

Xaa Leu His Ile Ala Ile Arg Gly Arg Ser Arg Lys Leu Ala Glu Leu
340 345 350

Leu Leu Arg Asn Pro Lys Asp Gly Arg Leu Leu Tyr Arg Pro Asn Lys
355 360 365

Ala Gly Glu Thr Pro Tyr Asn Ile Asp Cys Ser His Gln Lys Ser Ile
370 375 380

Leu Thr Gln Ile Phe Gly Ala Arg His Leu Ser Pro Thr Glu Thr Asp
385 390 395 400

Gly Asp Met Leu Gly Tyr Asp Leu Tyr Ser Ser Ala Leu Ala Asp Ile
405 410 415

Leu Ser Glu Pro Thr Met Gln Pro Pro Ile Cys Val Gly Leu Tyr Ala

BNSDOCID: <WO_ _ 0122920A2 I >

420 425 430

Gln Trp Gly Ser Gly Lys Ser Phe Leu Leu Lys Lys Leu Glu Asp Glu
435 440 445

Met Lys Thr Phe Ala Gly Gln Gln Ile Glu Pro Leu Phe Gln Phe Ser
450 455 460

Trp Leu Ile Val Phe Leu Thr Leu Leu Leu Cys Gly Gly Leu Gly Leu
465 470 475 480

Leu Phe Ala Phe Thr Val His Pro Asn Leu Gly Ile Ala Val Ser Leu
485 490 495

Ser Phe Leu Ala Leu Leu Tyr Ile Phe Phe Ile Val Ile Tyr Phe Gly
500 505 510

Gly Arg Arg Glu Gly Glu Ser Trp Asn Trp Ala Trp Val Leu Ser Thr
515 520 525

Arg Leu Ala Arg His Ile Gly Tyr Leu Glu Leu Leu Leu Lys Leu Met
530 535 540

Phe Val Asn Pro Pro Glu Leu Pro Glu Gln Thr Thr Lys Ala Leu Pro
545 550 555 560

Val Arg Phe Leu Phe Thr Asp Tyr Asn Arg Leu Ser Ser Val Gly Gly
565 570 575

Glu Thr Ser Leu Ala Glu Met Ile Ala Thr Leu Ser Asp Ala Cys Glu
580 585 590

Arg Glu Phe Gly Phe Leu Ala Thr Arg Leu Phe Arg Val Phe Lys Thr
595 600 605

Glu Asp Thr Gln Gly Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly Pro
610 615 620

Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val
625 630 635 640

Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn
645 650 655

Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu
660 665 670

Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu
675 680 685

Trp Gln Ile Val Ser Val Asn Ile Leu Leu Lys Phe Ala Leu Asn Phe

BNSDOCID: <WO__0122920A2_I >

690 695 700

Cys
705

<210> 6369
<211> 294
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (234)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (242)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (247)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (249)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (251)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (259)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (272)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (282)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (292)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6369

```
Gly Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp
  1               5                  10                  15

Pro Arg Val Arg Pro Ser Ser Trp Phe Ala His Gly His Pro Leu Tyr
             20                  25                  30

Thr Arg Leu Pro Pro Ser Ala Leu Gln Val Leu Ser Ala Gln Gly Thr
         35                  40                  45

Gln Ala Leu Gln Ala Ala Gln Arg Ser Ala Gln Trp Ala Ile Asn Arg
     50                  55                  60

Val Ala Met Glu Ile Gln His Arg Ser His Glu Cys Arg Gly Ser Gly
 65                  70                  75                  80

Arg Pro Arg Pro Gln Ala Leu Leu Gln Asp Pro Pro Glu Pro Gly Pro
                 85                  90                  95

Cys Gly Glu Arg Arg Pro Ser Thr Ala Asn Val Thr Arg Ala His Gly
            100                 105                 110

Arg Ile Val Gly Gly Ser Ala Ala Pro Pro Gly Ala Trp Pro Trp Leu
        115                 120                 125

Val Arg Leu Gln Leu Gly Gly Gln Pro Leu Cys Gly Gly Val Leu Val
    130                 135                 140

Ala Ala Ser Trp Val Leu Thr Ala Ala His Cys Phe Val Gly Ala Pro
145                 150                 155                 160

Asn Glu Leu Leu Trp Thr Val Thr Leu Ala Glu Gly Ser Arg Gly Glu
                165                 170                 175

Gln Ala Glu Glu Val Pro Val Asn Arg Ile Leu Pro His Pro Lys Phe
            180                 185                 190

Asp Pro Arg Thr Phe His Asn Asp Leu Ala Leu Val Gln Leu Trp Thr
        195                 200                 205

Pro Val Thr Arg Gly Asp Arg Arg Ala Pro Cys Ala Cys Pro Gly Ala
    210                 215                 220

Pro Gly Ala Pro Cys Arg Asn Arg Leu Xaa His Arg Gly Leu Gly Arg
225                 230                 235                 240
```

```
Pro Xaa Arg Arg Arg Ala Xaa Gly Xaa Ser Xaa Glu Arg Gly Pro Cys
                245                 250                 255

Ser Pro Xaa Gln His Arg His Leu Pro Lys Ser Pro Gly Ala Arg Xaa
            260                 265                 270

Ala Pro Gln His His Ala Leu Arg Arg Xaa Leu Ala Ala Gly Val Asp
        275                 280                 285

Ser Cys Gln Xaa Asp Ser
    290
```

<210> 6370
<211> 294
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (239)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6370

```
Leu Ser Phe Gly Pro Ser Gly Arg Thr Leu Pro Thr Thr Thr Arg Arg
  1               5                  10                  15

Met Thr Leu Lys Thr Pro Trp Arg Ser Leu Gly Gly Ser Trp Cys Thr
             20                  25                  30

Ala Thr Ser Ser Gly Pro Pro Gln Tyr Pro Met Ile Leu Ser Ser Leu
         35                  40                  45

Leu Gly Ser Gly Ile Gln Leu Phe Cys Met Ile Leu Ile Val Ile Phe
     50                  55                  60

Val Ala Met Leu Gly Met Leu Ser Pro Ser Ser Arg Gly Ala Leu Met
 65                  70                  75                  80

Thr Thr Ala Cys Phe Leu Phe Met Phe Met Gly Val Phe Gly Gly Phe
                 85                  90                  95

Ser Ala Gly Arg Leu Tyr Arg Thr Leu Lys Gly His Arg Trp Lys Lys
            100                 105                 110

Gly Ala Phe Cys Thr Ala Thr Leu Tyr Pro Gly Val Val Phe Gly Ile
        115                 120                 125

Cys Phe Val Leu Asn Cys Phe Ile Trp Gly Lys His Ser Ser Gly Ala
```

130 135 140

Val Pro Phe Pro Thr Met Val Ala Leu Leu Cys Met Trp Phe Gly Ile
145 150 155 160

Ser Leu Pro Leu Val Tyr Leu Gly Tyr Tyr Phe Gly Phe Arg Lys Gln
165 170 175

Pro Tyr Asp Asn Pro Val Arg Thr Asn Gln Ile Pro Arg Gln Ile Pro
180 185 190

Glu Gln Arg Trp Tyr Met Asn Arg Phe Val Gly Ile Leu Met Ala Gly
195 200 205

Ile Leu Pro Phe Gly Ala Met Phe Ile Glu Leu Phe Phe Ile Phe Ser
210 215 220

Ala Ile Trp Glu Asn Gln Phe Tyr Tyr Leu Phe Gly Phe Leu Xaa Leu
225 230 235 240

Val Phe Ile Ile Leu Val Val Ser Cys Ser Gln Ile Ser Ile Val Met
245 250 255

Val Tyr Phe Gln Leu Cys Ala Glu Asp Tyr Arg Trp Trp Trp Arg Asn
260 265 270

Phe Leu Val Ser Gly Gly Ser Ala Phe Tyr Val Leu Val Tyr Ala Ile
275 280 285

Phe Tyr Phe Val Asn Lys
290

<210> 6371
<211> 944
<212> PRT
<213> Homo sapiens

<400> 6371
Ser Lys Lys Met Val Phe Leu Pro Leu Lys Trp Ser Leu Ala Thr Met
1 5 10 15

Ser Phe Leu Leu Ser Ser Leu Leu Ala Leu Leu Thr Val Ser Thr Pro
20 25 30

Ser Trp Cys Gln Ser Thr Glu Ala Ser Pro Lys Arg Ser Asp Gly Thr
35 40 45

Pro Phe Pro Trp Asn Lys Ile Arg Leu Pro Glu Tyr Val Ile Pro Val
50 55 60

BNSDOCID: <WO_0122920A2_I_>

```
His Tyr Asp Leu Leu Ile His Ala Asn Leu Thr Thr Leu Thr Phe Trp
 65                  70                  75                  80

Gly Thr Thr Lys Val Glu Ile Thr Ala Ser Gln Pro Thr Ser Thr Ile
                 85                  90                  95

Ile Leu His Ser His His Leu Gln Ile Ser Arg Ala Thr Leu Arg Lys
            100                 105                 110

Gly Ala Gly Glu Arg Leu Ser Glu Glu Pro Leu Gln Val Leu Glu His
        115                 120                 125

Pro Pro Gln Glu Gln Ile Ala Leu Leu Ala Pro Glu Pro Leu Leu Val
    130                 135                 140

Gly Leu Pro Tyr Thr Val Val Ile His Tyr Ala Gly Asn Leu Ser Glu
145                 150                 155                 160

Thr Phe His Gly Phe Tyr Lys Ser Thr Tyr Arg Thr Lys Glu Gly Glu
                165                 170                 175

Leu Arg Ile Leu Ala Ser Thr Gln Phe Glu Pro Thr Ala Ala Arg Met
            180                 185                 190

Ala Phe Pro Cys Phe Asp Glu Pro Ala Phe Lys Ala Ser Phe Ser Ile
        195                 200                 205

Lys Ile Arg Arg Glu Pro Arg His Leu Ala Ile Ser Asn Met Pro Leu
    210                 215                 220

Val Lys Ser Val Thr Val Ala Glu Gly Leu Ile Glu Asp His Phe Asp
225                 230                 235                 240

Val Thr Val Lys Met Ser Thr Tyr Leu Val Ala Phe Ile Ile Ser Asp
                245                 250                 255

Phe Glu Ser Val Ser Lys Ile Thr Lys Ser Gly Val Lys Val Ser Val
            260                 265                 270

Tyr Ala Val Pro Asp Lys Met Asn Gln Ala Asp Tyr Ala Leu Asp Ala
        275                 280                 285

Ala Val Thr Leu Leu Glu Phe Tyr Glu Asp Tyr Phe Ser Ile Pro Tyr
    290                 295                 300

Pro Leu Pro Lys Gln Asp Leu Ala Ala Ile Pro Asp Phe Gln Ser Gly
305                 310                 315                 320

Ala Met Glu Asn Trp Gly Leu Thr Thr Tyr Arg Glu Ser Ala Leu Leu
                325                 330                 335
```

```
Phe Asp Ala Glu Lys Ser Ser Ala Ser Ser Lys Leu Gly Ile Thr Met
            340                 345                 350

Thr Val Ala His Glu Leu Ala His Gln Trp Phe Gly Asn Leu Val Thr
        355                 360                 365

Met Glu Trp Trp Asn Asp Leu Trp Leu Asn Glu Gly Phe Ala Lys Phe
    370                 375                 380

Met Glu Phe Val Ser Val Ser Val Thr His Pro Glu Leu Lys Val Gly
385                 390                 395                 400

Asp Tyr Phe Phe Gly Lys Cys Phe Asp Ala Met Glu Val Asp Ala Leu
                405                 410                 415

Asn Ser Ser His Pro Val Ser Thr Pro Val Glu Asn Pro Ala Gln Ile
            420                 425                 430

Arg Glu Met Phe Asp Asp Val Ser Tyr Asp Lys Gly Ala Cys Ile Leu
        435                 440                 445

Asn Met Leu Arg Glu Tyr Leu Ser Ala Asp Ala Phe Lys Ser Gly Ile
    450                 455                 460

Val Gln Tyr Leu Gln Lys His Ser Tyr Lys Asn Thr Lys Asn Glu Asp
465                 470                 475                 480

Leu Trp Asp Ser Met Ala Ser Ile Cys Pro Thr Asp Gly Val Lys Gly
                485                 490                 495

Met Asp Gly Phe Cys Ser Arg Ser Gln His Ser Ser Ser Ser Ser His
            500                 505                 510

Trp His Gln Glu Gly Val Asp Val Lys Thr Met Met Asn Thr Trp Thr
        515                 520                 525

Leu Gln Arg Gly Phe Pro Leu Ile Thr Ile Thr Val Arg Gly Arg Asn
    530                 535                 540

Val His Met Lys Gln Glu His Tyr Met Lys Gly Ser Asp Gly Ala Pro
545                 550                 555                 560

Asp Thr Gly Tyr Leu Trp His Val Pro Leu Thr Phe Ile Thr Ser Lys
                565                 570                 575

Ser Asp Met Val His Arg Phe Leu Leu Lys Thr Lys Thr Asp Val Leu
            580                 585                 590

Ile Leu Pro Glu Glu Val Glu Trp Ile Lys Phe Asn Val Gly Met Asn
        595                 600                 605
```

BNSDOCID: <WO__ 0122920A2_I_>

Gly Tyr Tyr Ile Val His Tyr Glu Asp Asp Gly Trp Asp Ser Leu Thr
610 615 620

Gly Leu Leu Lys Gly Thr His Thr Ala Val Ser Ser Asn Asp Arg Ala
625 630 635 640

Ser Leu Ile Asn Asn Ala Phe Gln Leu Val Ser Ile Gly Lys Leu Ser
645 650 655

Ile Glu Lys Ala Leu Asp Leu Ser Leu Tyr Leu Lys His Glu Thr Glu
660 665 670

Ile Met Pro Val Phe Gln Gly Leu Asn Glu Leu Ile Pro Met Tyr Lys
675 680 685

Leu Met Glu Lys Arg Asp Met Asn Glu Val Glu Thr Gln Phe Lys Ala
690 695 700

Phe Leu Ile Arg Leu Leu Arg Asp Leu Ile Asp Lys Gln Thr Trp Thr
705 710 715 720

Asp Glu Gly Ser Val Ser Glu Arg Met Leu Arg Ser Glu Leu Leu Leu
725 730 735

Leu Ala Cys Val His Asn Tyr Gln Pro Cys Val Gln Arg Ala Glu Gly
740 745 750

Tyr Phe Arg Lys Trp Lys Glu Ser Asn Gly Asn Leu Ser Leu Pro Val
755 760 765

Asp Val Thr Leu Ala Val Phe Ala Val Gly Ala Gln Ser Thr Glu Gly
770 775 780

Trp Asp Phe Leu Tyr Ser Lys Tyr Gln Phe Ser Leu Ser Ser Thr Glu
785 790 795 800

Lys Ser Gln Ile Glu Phe Ala Leu Cys Arg Thr Gln Asn Lys Glu Lys
805 810 815

Leu Gln Trp Leu Leu Asp Glu Ser Phe Lys Gly Asp Lys Ile Lys Thr
820 825 830

Gln Glu Phe Pro Gln Ile Leu Thr Leu Ile Gly Arg Asn Pro Val Gly
835 840 845

Tyr Pro Leu Ala Trp Gln Phe Leu Arg Lys Asn Trp Asn Lys Leu Val
850 855 860

Gln Lys Phe Glu Leu Gly Ser Ser Ser Ile Ala His Met Val Met Gly
865 870 875 880

BNSDOCID: <WO 0122920A2 I >

```
Thr Thr Asn Gln Phe Ser Thr Arg Thr Arg Leu Glu Glu Val Lys Gly
                885                 890                 895

Phe Phe Ser Ser Leu Lys Glu Asn Gly Ser Gln Leu Arg Cys Val Gln
            900                 905                 910

Gln Thr Ile Glu Thr Ile Glu Glu Asn Ile Gly Trp Met Asp Lys Asn
        915                 920                 925

Phe Asp Lys Ile Arg Val Trp Leu Gln Ser Glu Lys Leu Glu Arg Met
    930                 935                 940
```

<210> 6372
<211> 377
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6372

```
Val Arg Asn Gly Ser Phe Cys Ser Pro Gly Ser Glu Pro Pro Gly Ala
  1               5                  10                  15

Ala Arg Gly Leu Ala Ala Pro Arg Pro Arg Cys Pro Pro Gly Val Pro
            20                  25                  30

Leu Leu Arg Ala Pro Ala Ala Gly Cys Gln Leu Phe Gly Ala Pro Ser
        35                  40                  45

Arg Thr Gln Arg Arg Glu Arg Ala Arg Asp Lys Leu Glu Leu Arg Pro
    50                  55                  60

Pro Arg Pro Ser Pro Ala Pro Leu Pro Leu Pro Pro Arg Gly Arg Ala
65                  70                  75                  80

Pro Thr Met Leu Gln Gly Pro Gly Ser Leu Leu Leu Leu Phe Leu Ala
                85                  90                  95

Ser His Cys Cys Leu Gly Ser Ala Arg Gly Leu Phe Leu Phe Gly Gln
            100                 105                 110

Pro Asp Phe Ser Tyr Lys Arg Ser Asn Cys Lys Pro Ile Pro Xaa Asn
```

```
        115                 120                 125

Leu Gln Leu Cys His Gly Ile Glu Tyr Gln Asn Met Arg Leu Pro Asn
    130                 135                 140

Leu Leu Gly His Glu Thr Met Lys Glu Val Leu Glu Gln Ala Gly Ala
145                 150                 155                 160

Trp Ile Pro Leu Val Met Lys Gln Cys His Pro Asp Thr Lys Lys Phe
                165                 170                 175

Leu Cys Ser Leu Phe Ala Pro Val Cys Leu Asp Asp Leu Asp Glu Thr
            180                 185                 190

Ile Gln Pro Cys His Ser Leu Cys Val Gln Val Lys Asp Arg Cys Ala
        195                 200                 205

Pro Val Met Ser Ala Phe Gly Phe Pro Trp Pro Asp Met Leu Glu Cys
    210                 215                 220

Asp Arg Phe Pro Gln Asp Asn Asp Leu Cys Ile Pro Leu Ala Ser Ser
225                 230                 235                 240

Asp His Leu Leu Pro Ala Thr Glu Glu Ala Pro Lys Val Cys Glu Ala
                245                 250                 255

Cys Lys Asn Lys Asn Asp Asp Asp Asn Asp Ile Met Glu Thr Leu Cys
            260                 265                 270

Lys Asn Asp Phe Ala Leu Lys Ile Lys Val Lys Glu Ile Thr Tyr Ile
        275                 280                 285

Asn Arg Asp Thr Lys Ile Ile Leu Glu Thr Lys Ser Lys Thr Ile Tyr
    290                 295                 300

Lys Leu Asn Gly Val Ser Glu Arg Asp Leu Lys Lys Ser Val Leu Trp
305                 310                 315                 320

Leu Lys Asp Ser Leu Gln Cys Thr Cys Glu Glu Met Asn Asp Ile Asn
                325                 330                 335

Ala Pro Tyr Leu Val Met Gly Gln Lys Gln Gly Gly Glu Leu Val Ile
            340                 345                 350

Thr Ser Val Lys Arg Trp Gln Lys Gly Gln Arg Glu Phe Lys Arg Ile
        355                 360                 365

Ser Arg Ser Ile Arg Lys Leu Gln Cys
    370                 375
```

<210> 6373
<211> 442
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6373
His Xaa Pro Arg Leu Pro Ala Leu Pro Pro Arg Leu Leu Ser Pro Ser
1 5 10 15

Ala Ala Thr Met Ser Ala Ser Ala Val Phe Ile Leu Asp Val Lys Gly
20 25 30

Lys Pro Leu Ile Ser Arg Asn Tyr Lys Gly Asp Val Ala Met Ser Lys
35 40 45

Ile Glu His Phe Met Pro Leu Leu Val Gln Arg Glu Glu Glu Gly Ala
50 55 60

Leu Ala Pro Leu Leu Ser His Gly Gln Val His Phe Leu Trp Ile Lys
65 70 75 80

His Ser Asn Leu Tyr Leu Val Ala Thr Thr Ser Lys Asn Ala Asn Ala
85 90 95

Ser Leu Val Tyr Ser Phe Leu Tyr Lys Thr Ile Glu Val Phe Cys Glu
100 105 110

Tyr Phe Lys Glu Leu Glu Glu Glu Ser Ile Arg Asp Asn Phe Val Ile
115 120 125

Val Tyr Glu Leu Leu Asp Glu Leu Met Asp Phe Gly Phe Pro Gln Xaa
130 135 140

Thr Asp Ser Lys Ile Leu Gln Glu Tyr Ile Thr Gln Gln Ser Asn Lys
145 150 155 160

Leu Glu Thr Gly Lys Ser Arg Val Pro Pro Thr Val Thr Asn Ala Val
165 170 175

Ser Trp Arg Ser Glu Gly Ile Lys Tyr Lys Lys Asn Glu Val Phe Ile

180 185 190

Asp Val Ile Glu Ser Val Asn Leu Leu Val Asn Ala Asn Gly Ser Val
195 200 205

Leu Leu Ser Glu Ile Val Gly Thr Ile Lys Leu Lys Val Phe Leu Ser
210 215 220

Gly Met Pro Glu Leu Arg Leu Gly Leu Asn Asp Arg Val Leu Phe Glu
225 230 235 240

Leu Thr Gly Arg Ser Lys Asn Lys Ser Val Glu Leu Glu Asp Val Lys
245 250 255

Phe His Gln Cys Val Arg Leu Ser Arg Phe Asp Asn Asp Arg Thr Ile
260 265 270

Ser Phe Ile Pro Pro Asp Gly Asp Phe Glu Leu Met Ser Tyr Arg Leu
275 280 285

Ser Thr Gln Val Lys Pro Leu Ile Trp Ile Glu Ser Val Ile Glu Lys
290 295 300

Phe Ser His Ser Arg Val Glu Ile Met Val Lys Ala Lys Gly Gln Phe
305 310 315 320

Lys Lys Gln Ser Val Ala Asn Gly Val Glu Ile Ser Val Pro Val Pro
325 330 335

Ser Asp Ala Asp Ser Pro Arg Phe Lys Thr Ser Val Gly Ser Ala Lys
340 345 350

Tyr Val Pro Glu Arg Asn Val Val Ile Trp Ser Ile Lys Ser Phe Pro
355 360 365

Gly Gly Lys Glu Tyr Leu Met Arg Ala His Phe Gly Leu Pro Ser Val
370 375 380

Glu Lys Glu Glu Val Glu Gly Arg Pro Pro Ile Gly Val Lys Phe Glu
385 390 395 400

Ile Pro Tyr Phe Thr Val Ser Gly Ile Gln Val Arg Tyr Met Lys Ile
405 410 415

Ile Glu Lys Ser Gly Tyr Gln Ala Leu Pro Trp Val Arg Tyr Ile Thr
420 425 430

Gln Ser Gly Asp Tyr Gln Leu Arg Thr Ser
435 440

BNSDOCID: <WO_ 0122920A2_I_>

<210> 6374
<211> 347
<212> PRT
<213> Homo sapiens

<400> 6374
Glu Glu Ala Asp Ala Glu Met Glu Gln Ala Leu His Arg Phe Gly Arg
1 5 10 15

Gly Leu Val Trp Leu Ser Val Ala Trp Leu Ser Val Gly Arg Val Arg
20 25 30

Val Arg Asp Asp Gly Asp Thr Gly Arg Gly Phe Cys Arg Ala Gly Pro
35 40 45

Val Leu Thr Arg Gly Pro Ser Gly Asp Ser Ser Pro Leu Pro Leu Pro
50 55 60

Thr Ser Val Thr Ala Ala Tyr Lys His Ala Asp Gly Lys Lys Ile Asp
65 70 75 80

Gly Arg Arg Val Leu Val Asp Val Glu Arg Gly Arg Thr Val Lys Gly
85 90 95

Trp Arg Pro Arg Arg Leu Gly Gly Gly Leu Gly Gly Thr Arg Arg Gly
100 105 110

Gly Ala Asp Val Asn Ile Arg His Ser Gly Arg Asp Asp Thr Ser Arg
115 120 125

Tyr Asp Glu Arg Pro Gly Pro Ser Pro Leu Pro His Arg Asp Arg Asp
130 135 140

Arg Asp Arg Glu Arg Glu Arg Arg Glu Arg Ser Arg Glu Arg Asp Lys
145 150 155 160

Glu Arg Glu Arg Arg Arg Ser Arg Ser Arg Asp Arg Arg Arg Arg Ser
165 170 175

Arg Ser Arg Asp Lys Glu Glu Arg Arg Arg Ser Arg Glu Arg Ser Lys
180 185 190

Asp Lys Asp Arg Asp Arg Lys Arg Arg Ser Ser Arg Ser Arg Glu Arg
195 200 205

Ala Arg Arg Glu Arg Glu Arg Lys Glu Glu Leu Arg Gly Gly Gly Gly
210 215 220

Asp Met Ala Glu Pro Ser Glu Ala Gly Asp Ala Pro Pro Asp Asp Gly
225 230 235 240

```
Pro Pro Gly Glu Leu Gly Pro Asp Gly Pro Asp Gly Pro Glu Glu Lys
                245                 250                 255

Gly Arg Asp Arg Asp Arg Glu Arg Arg Arg Ser His Arg Ser Glu Arg
            260                 265                 270

Glu Arg Arg Arg Asp Arg Asp Arg Asp Arg Asp Arg Asp Arg Glu His
        275                 280                 285

Lys Arg Gly Glu Arg Gly Ser Glu Arg Gly Arg Asp Glu Ala Arg Gly
    290                 295                 300

Gly Gly Gly Gly Gln Asp Asn Gly Leu Glu Gly Leu Gly Asn Asp Ser
305                 310                 315                 320

Arg Asp Met Tyr Met Glu Ser Glu Gly Gly Asp Gly Tyr Leu Ala Pro
                325                 330                 335

Glu Asn Gly Tyr Leu Met Glu Ala Ala Pro Glu
            340                 345
```

<210> 6375
<211> 410
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6375

```
Tyr Arg Ser Thr Leu Gln Tyr Arg Ser Gly Ile Pro Gly Arg Pro Thr
  1               5                  10                  15

Xaa Arg Leu Ala Ser Pro Phe Arg Pro Val Pro Met Glu Ala Leu Gly
            20                  25                  30

Lys Leu Lys Gln Phe Asp Ala Tyr Pro Lys Thr Leu Glu Asp Phe Arg
        35                  40                  45

Val Lys Thr Cys Gly Gly Ala Thr Val Thr Ile Val Ser Gly Leu Leu
    50                  55                  60

Met Leu Leu Leu Phe Leu Ser Glu Leu Gln Tyr Tyr Leu Thr Thr Glu
65                  70                  75                  80

Val His Pro Glu Leu Tyr Val Asp Lys Ser Arg Gly Asp Lys Leu Lys
```

85 90 95

Ile Asn Ile Asp Val Leu Phe Pro His Met Pro Cys Ala Tyr Leu Ser
100 105 110

Ile Asp Ala Met Asp Val Ala Gly Glu Gln Gln Leu Asp Val Glu His
115 120 125

Asn Leu Phe Lys Gln Arg Leu Asp Lys Asp Gly Ile Pro Val Ser Ser
130 135 140

Glu Ala Glu Arg His Glu Leu Gly Lys Val Glu Val Thr Val Phe Asp
145 150 155 160

Pro Asp Ser Leu Asp Pro Asp Arg Cys Glu Ser Cys Tyr Gly Ala Glu
165 170 175

Ala Glu Asp Ile Lys Cys Cys Asn Thr Cys Glu Asp Val Arg Glu Ala
180 185 190

Tyr Arg Arg Arg Gly Trp Ala Phe Lys Asn Pro Asp Thr Ile Glu Gln
195 200 205

Cys Arg Arg Glu Gly Phe Ser Gln Lys Met Gln Glu Gln Lys Asn Glu
210 215 220

Gly Cys Gln Val Tyr Gly Phe Leu Glu Val Asn Lys Val Ala Gly Asn
225 230 235 240

Phe His Phe Ala Pro Gly Lys Ser Phe Gln Gln Ser His Val His Val
245 250 255

His Asp Leu Gln Ser Phe Gly Leu Asp Asn Ile Asn Met Thr His Tyr
260 265 270

Ile Gln His Leu Ser Phe Gly Glu Asp Tyr Pro Gly Ile Val Asn Pro
275 280 285

Leu Asp His Thr Asn Val Thr Ala Pro Gln Ala Ser Met Met Phe Gln
290 295 300

Tyr Phe Val Lys Val Val Pro Thr Val Tyr Met Lys Val Asp Gly Glu
305 310 315 320

Val Leu Arg Thr Asn Gln Phe Ser Val Thr Arg His Glu Lys Val Ala
325 330 335

Asn Gly Leu Leu Gly Asp Gln Gly Leu Pro Gly Val Phe Val Leu Tyr
340 345 350

Glu Leu Ser Pro Met Met Val Lys Leu Thr Glu Lys His Arg Ser Phe

BNSDOCID: <WO_ 0122920A2 I >

```
        355                 360                 365

Thr His Phe Leu Thr Gly Val Cys Ala Ile Ile Gly Gly Met Phe Thr
    370                 375                 380

Val Ala Gly Leu Ile Asp Ser Leu Ile Tyr His Ser Ala Arg Ala Ile
385                 390                 395                 400

Gln Lys Lys Ile Asp Leu Gly Lys Thr Thr
                405                 410
```

<210> 6376
<211> 539
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6376

```
Ile Xaa Ile Phe Thr Gln Xaa Xaa Ala Met Xaa Met Ile Thr Pro Ser
  1               5                  10                  15

Phe Asn Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg
             20                  25                  30

Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Ser Thr Thr Val Pro
         35                  40                  45

Gly Leu Ser Glu Glu Ser Thr Thr Phe Tyr Ser Ser Pro Gly Ser Thr
     50                  55                  60
```

Glu Thr Thr Ala Phe Ser His Ser Asn Thr Met Ser Ile His Ser Gln
65 70 75 80

Gln Ser Thr Pro Phe Pro Asp Ser Pro Gly Phe Thr His Thr Val Leu
85 90 95

Pro Ala Thr Leu Thr Thr Thr Asp Ile Gly Gln Glu Ser Thr Ala Phe
100 105 110

His Ser Ser Ser Asp Ala Thr Gly Thr Thr Pro Leu Pro Ala Arg Ser
115 120 125

Thr Ala Ser Asp Leu Val Gly Glu Pro Thr Thr Phe Tyr Ile Ser Pro
130 135 140

Ser Pro Thr Tyr Thr Thr Leu Phe Pro Ala Ser Ser Ser Thr Ser Gly
145 150 155 160

Leu Thr Glu Glu Ser Thr Thr Phe His Thr Ser Pro Ser Phe Thr Ser
165 170 175

Thr Ile Val Ser Thr Glu Ser Leu Glu Thr Leu Ala Pro Gly Leu Cys
180 185 190

Gln Glu Gly Gln Ile Trp Asn Gly Lys Gln Cys Val Cys Pro Gln Gly
195 200 205

Tyr Val Gly Tyr Gln Cys Leu Ser Pro Leu Glu Ser Phe Pro Val Glu
210 215 220

Thr Pro Glu Lys Leu Asn Ala Thr Leu Gly Met Thr Val Lys Val Thr
225 230 235 240

Tyr Arg Asn Phe Thr Glu Lys Met Asn Asp Ala Ser Ser Gln Glu Tyr
245 250 255

Gln Asn Phe Ser Thr Leu Phe Lys Asn Arg Met Asp Val Val Leu Lys
260 265 270

Gly Asp Asn Leu Pro Gln Tyr Arg Gly Val Asn Ile Arg Arg Leu Leu
275 280 285

Asn Gly Ser Ile Val Val Lys Asn Asp Val Ile Leu Glu Ala Asp Tyr
290 295 300

Thr Leu Glu Tyr Glu Glu Leu Phe Glu Asn Leu Ala Glu Ile Val Lys
305 310 315 320

Ala Lys Ile Met Asn Glu Thr Arg Thr Thr Leu Leu Asp Pro Asp Ser
325 330 335

BNSDOCID: <WO___ 0122920A2 I >

```
Cys Arg Lys Ala Ile Leu Cys Tyr Ser Glu Glu Asp Thr Phe Val Asp
            340                 345                 350

Ser Ser Val Thr Pro Gly Phe Asp Phe Gln Glu Gln Cys Thr Gln Lys
        355                 360                 365

Ala Ala Glu Gly Tyr Thr Gln Phe Tyr Tyr Val Asp Val Leu Asp Gly
    370                 375                 380

Lys Leu Ala Cys Val Asn Lys Cys Thr Lys Gly Thr Lys Ser Gln Met
385                 390                 395                 400

Asn Cys Asn Leu Gly Thr Cys Gln Leu Gln Arg Ser Gly Pro Arg Cys
                405                 410                 415

Leu Cys Pro Asn Thr Asn Thr His Trp Tyr Trp Gly Glu Thr Cys Glu
            420                 425                 430

Phe Asn Ile Ala Lys Ser Leu Val Tyr Gly Ile Val Gly Ala Val Met
        435                 440                 445

Ala Val Leu Leu Leu Ala Leu Ile Ile Leu Ile Ile Leu Phe Ser Leu
    450                 455                 460

Ser Gln Arg Lys Arg His Arg Glu Gln Tyr Asp Val Pro Gln Glu Trp
465                 470                 475                 480

Arg Lys Glu Gly Thr Pro Gly Ile Phe Gln Lys Thr Ala Ile Trp Glu
                485                 490                 495

Asp Gln Asn Leu Arg Glu Ser Arg Phe Gly Leu Glu Asn Ala Tyr Asn
            500                 505                 510

Asn Phe Arg Pro Thr Leu Glu Thr Val Asp Ser Gly Thr Glu Leu His
        515                 520                 525

Ile Gln Arg Pro Glu Met Val Ala Ser Thr Val
    530                 535
```

<210> 6377
<211> 365
<212> PRT
<213> Homo sapiens

<400> 6377

```
Gly Arg Val Gly Ser Pro Gly Gly Cys Pro Trp Val Leu Pro Ser Leu
  1               5                  10                  15

Pro Asp Thr Gln Thr Asp Leu Asp Arg Pro Pro Gly Arg Ser Arg Thr
```

BNSDOCID: <WO__0122920A2 I >

```
                20                  25                  30

Gly Arg Pro Asp Ala Ala Met Ala Glu Leu Pro Gly Pro Phe Leu Cys
            35                  40                  45

Gly Ala Leu Leu Gly Phe Leu Cys Leu Ser Gly Leu Ala Val Glu Val
        50                  55                  60

Lys Val Pro Thr Glu Pro Leu Ser Thr Pro Leu Gly Lys Thr Ala Glu
65                  70                  75                  80

Leu Thr Cys Thr Tyr Ser Thr Ser Val Gly Asp Ser Phe Ala Leu Glu
                85                  90                  95

Trp Ser Phe Val Gln Pro Gly Lys Pro Ile Ser Glu Ser His Pro Ile
            100                 105                 110

Leu Tyr Phe Thr Asn Gly His Leu Tyr Pro Thr Gly Ser Lys Ser Lys
        115                 120                 125

Arg Val Ser Leu Leu Gln Asn Pro Pro Thr Val Gly Val Ala Thr Leu
    130                 135                 140

Lys Leu Thr Asp Val His Pro Ser Asp Thr Gly Thr Tyr Leu Cys Gln
145                 150                 155                 160

Val Asn Asn Pro Pro Asp Phe Tyr Thr Asn Gly Leu Gly Leu Ile Asn
                165                 170                 175

Leu Thr Val Leu Val Pro Pro Ser Asn Pro Leu Cys Ser Gln Ser Gly
            180                 185                 190

Gln Thr Ser Val Gly Gly Ser Thr Ala Leu Arg Cys Ser Ser Ser Glu
        195                 200                 205

Gly Ala Pro Lys Pro Val Tyr Asn Trp Val Arg Leu Gly Thr Phe Pro
    210                 215                 220

Thr Pro Ser Pro Gly Ser Met Val Gln Asp Glu Val Ser Gly Gln Leu
225                 230                 235                 240

Ile Leu Thr Asn Leu Ser Leu Thr Ser Ser Gly Thr Tyr Arg Cys Val
                245                 250                 255

Ala Thr Asn Gln Met Gly Ser Ala Ser Cys Glu Leu Thr Leu Ser Val
            260                 265                 270

Thr Glu Pro Ser Gln Gly Arg Val Ala Gly Ala Leu Ile Gly Val Leu
        275                 280                 285

Leu Gly Val Leu Leu Leu Ser Val Ala Ala Phe Cys Leu Val Arg Phe
```

BNSDOCID: <WO__ 0122920A2 I_>

290 295 300

Gln Lys Glu Arg Gly Lys Lys Pro Lys Glu Thr Tyr Gly Gly Ser Asp
305 310 315 320

Leu Arg Glu Asp Ala Ile Ala Pro Gly Ile Ser Glu His Thr Cys Met
325 330 335

Arg Ala Asp Ser Ser Lys Gly Phe Leu Glu Arg Pro Ser Ser Ala Ser
340 345 350

Thr Val Thr Thr Thr Lys Ser Lys Leu Pro Met Val Val
355 360 365

<210> 6378
<211> 869
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6378
Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Val Thr Xaa Ala Ser
1 5 10 15

Leu Tyr Leu Phe Glu Ala Thr Gly Lys Arg Phe Tyr Phe Lys Asn Val
20 25 30

Ala Ile Leu Ile Pro Glu Thr Trp Lys Thr Lys Ala Asp Tyr Val Arg
35 40 45

Pro Lys Leu Glu Thr Tyr Lys Asn Ala Asp Val Leu Val Ala Glu Ser
50 55 60

Thr Pro Pro Gly Asn Asp Glu Pro Tyr Thr Glu Gln Met Gly Asn Cys
65 70 75 80

Gly Glu Lys Gly Glu Arg Ile His Leu Thr Pro Asp Phe Ile Ala Gly
85 90 95

Lys Lys Leu Ala Glu Tyr Gly Pro Gln Gly Arg Ala Phe Val His Glu
100 105 110

Trp Ala His Leu Arg Trp Gly Val Phe Asp Glu Tyr Asn Asn Asp Glu
115 120 125

```
Lys Phe Tyr Leu Ser Asn Gly Arg Ile Gln Ala Val Arg Cys Ser Ala
    130                 135                 140

Gly Ile Thr Gly Thr Asn Val Val Lys Lys Cys Gln Gly Gly Ser Cys
145                 150                 155                 160

Tyr Thr Lys Arg Cys Thr Phe Asn Lys Val Thr Gly Leu Tyr Glu Lys
                165                 170                 175

Gly Cys Glu Phe Val Leu Gln Ser Arg Gln Thr Glu Lys Ala Ser Ile
            180                 185                 190

Met Phe Ala Gln His Val Asp Ser Ile Val Glu Phe Cys Thr Glu Gln
        195                 200                 205

Asn His Asn Lys Glu Ala Pro Asn Lys Gln Asn Gln Lys Cys Asn Leu
    210                 215                 220

Arg Ser Thr Trp Glu Val Ile Arg Asp Ser Glu Asp Phe Lys Lys Thr
225                 230                 235                 240

Thr Pro Met Thr Thr Gln Pro Pro Asn Pro Thr Phe Ser Leu Leu Gln
                245                 250                 255

Ile Gly Gln Arg Ile Val Cys Leu Val Leu Asp Lys Ser Gly Ser Met
            260                 265                 270

Ala Thr Gly Asn Arg Leu Asn Arg Leu Asn Gln Ala Gly Gln Leu Phe
        275                 280                 285

Leu Leu Gln Thr Val Glu Leu Gly Ser Trp Val Gly Met Val Thr Phe
    290                 295                 300

Asp Ser Ala Ala His Val Gln Ser Glu Leu Ile Gln Ile Asn Ser Gly
305                 310                 315                 320

Ser Asp Arg Asp Thr Leu Ala Lys Arg Leu Pro Ala Ala Ala Ser Gly
                325                 330                 335

Gly Thr Ser Ile Cys Ser Gly Leu Arg Ser Ala Phe Thr Val Ile Arg
            340                 345                 350

Lys Lys Tyr Pro Thr Asp Gly Ser Glu Ile Val Leu Leu Thr Asp Gly
        355                 360                 365

Glu Asp Asn Thr Ile Ser Gly Cys Phe Asn Glu Val Lys Gln Ser Gly
    370                 375                 380

Ala Ile Ile His Thr Val Ala Leu Gly Pro Ser Ala Ala Gln Glu Leu
385                 390                 395                 400
```

Glu Glu Leu Ser Lys Met Thr Gly Gly Leu Gln Thr Tyr Ala Ser Asp
405 410 415

Gln Val Gln Asn Asn Gly Leu Ile Asp Ala Phe Gly Ala Leu Ser Ser
420 425 430

Gly Asn Gly Ala Val Ser Gln Arg Ser Ile Gln Leu Glu Ser Lys Gly
435 440 445

Leu Thr Leu Gln Asn Ser Gln Trp Met Asn Gly Thr Val Ile Val Asp
450 455 460

Ser Thr Val Gly Lys Asp Thr Leu Phe Leu Ile Thr Trp Thr Thr Gln
465 470 475 480

Pro Pro Gln Ile Leu Leu Trp Asp Pro Ser Gly Gln Lys Gln Gly Gly
485 490 495

Phe Val Val Asp Lys Asn Thr Lys Met Ala Tyr Leu Gln Ile Pro Gly
500 505 510

Ile Ala Lys Val Gly Thr Trp Lys Tyr Ser Leu Gln Ala Ser Ser Gln
515 520 525

Thr Leu Thr Leu Thr Val Thr Ser Arg Ala Ser Asn Ala Thr Leu Pro
530 535 540

Pro Ile Thr Val Thr Ser Lys Thr Asn Lys Asp Thr Ser Lys Phe Pro
545 550 555 560

Ser Pro Leu Val Val Tyr Ala Asn Ile Arg Gln Gly Ala Ser Pro Ile
565 570 575

Leu Arg Ala Ser Val Thr Ala Leu Ile Glu Ser Val Asn Gly Lys Thr
580 585 590

Val Thr Leu Glu Leu Leu Asp Asn Gly Ala Gly Ala Asp Ala Thr Lys
595 600 605

Asp Asp Gly Val Tyr Ser Arg Tyr Phe Thr Thr Tyr Asp Thr Asn Gly
610 615 620

Arg Tyr Ser Val Lys Val Arg Ala Leu Gly Gly Val Asn Ala Ala Arg
625 630 635 640

Arg Arg Val Ile Pro Gln Gln Ser Gly Ala Leu Tyr Ile Pro Gly Trp
645 650 655

Ile Glu Asn Asp Glu Ile Gln Trp Asn Pro Pro Arg Pro Glu Ile Asn
660 665 670

Lys Asp Asp Val Gln His Lys Gln Val Cys Phe Ser Arg Thr Ser Ser
675 680 685

Gly Gly Ser Phe Val Ala Ser Asp Val Pro Asn Ala Pro Ile Pro Asp
690 695 700

Leu Phe Pro Pro Gly Gln Ile Thr Asp Leu Lys Ala Glu Ile His Gly
705 710 715 720

Gly Ser Leu Ile Asn Leu Thr Trp Thr Ala Pro Gly Asp Asp Tyr Asp
725 730 735

His Gly Thr Ala His Lys Tyr Ile Ile Arg Ile Ser Thr Ser Ile Leu
740 745 750

Asp Leu Arg Asp Lys Phe Asn Glu Ser Leu Gln Val Asn Thr Thr Ala
755 760 765

Leu Ile Pro Lys Glu Ala Asn Ser Glu Glu Val Phe Leu Phe Lys Pro
770 775 780

Glu Asn Ile Thr Phe Glu Asn Gly Thr Asp Leu Phe Ile Ala Ile Gln
785 790 795 800

Ala Val Asp Lys Val Asp Leu Lys Ser Glu Ile Ser Asn Ile Ala Arg
805 810 815

Val Ser Leu Phe Ile Pro Pro Gln Thr Pro Pro Glu Thr Pro Ser Pro
820 825 830

Asp Glu Thr Ser Ala Pro Cys Pro Asn Ile His Ile Asn Ser Thr Ile
835 840 845

Pro Gly Ile His Ile Leu Lys Ile Met Trp Lys Trp Ile Gly Glu Leu
850 855 860

Gln Leu Ser Ile Ala
865

<210> 6379
<211> 275
<212> PRT
<213> Homo sapiens

<400> 6379
Pro Thr Arg Pro His Ser Ser Gly Tyr Leu Pro Thr Met Ala Leu Val
1 5 10 15

Leu Ile Leu Gln Leu Leu Thr Leu Trp Pro Leu Cys His Thr Asp Ile

```
                20                  25                  30

Thr Pro Ser Val Pro Pro Ala Ser Tyr His Pro Lys Pro Trp Leu Gly
          35                  40                  45

Ala Gln Pro Ala Thr Val Val Thr Pro Gly Val Asn Val Thr Leu Arg
      50                  55                  60

Cys Arg Ala Pro Gln Pro Ala Trp Arg Phe Gly Leu Phe Lys Pro Gly
 65                  70                  75                  80

Glu Ile Ala Pro Leu Leu Phe Arg Asp Val Ser Ser Glu Leu Ala Glu
                 85                  90                  95

Phe Phe Leu Glu Glu Val Thr Pro Ala Gln Gly Gly Ser Tyr Arg Cys
            100                 105                 110

Cys Tyr Arg Arg Pro Asp Trp Gly Pro Gly Val Trp Ser Gln Pro Ser
        115                 120                 125

Asp Val Leu Glu Leu Leu Val Thr Glu Glu Leu Pro Arg Pro Ser Leu
    130                 135                 140

Val Ala Leu Pro Gly Pro Val Val Gly Pro Gly Ala Asn Val Ser Leu
145                 150                 155                 160

Arg Cys Ala Gly Arg Leu Arg Asn Met Ser Phe Val Leu Tyr Arg Glu
                165                 170                 175

Gly Val Ala Ala Pro Leu Gln Tyr Arg His Ser Ala Gln Pro Trp Ala
            180                 185                 190

Asp Phe Thr Leu Leu Gly Ala Arg Ala Pro Gly Thr Tyr Ser Cys Tyr
        195                 200                 205

Tyr His Thr Pro Ser Ala Pro Tyr Val Leu Ser Gln Arg Ser Glu Val
    210                 215                 220

Leu Val Ile Ser Trp Glu Asp Ser Gly Ser Ser Asp Tyr Thr Arg Gly
225                 230                 235                 240

Asn Leu Val Arg Leu Gly Leu Ala Gly Leu Val Leu Ile Ser Leu Gly
                245                 250                 255

Ala Leu Val Thr Phe Asp Trp Arg Ser Gln Asn Arg Ala Pro Ala Gly
            260                 265                 270

Ile Arg Pro
        275
```

BNSDOCID: <WO_ _0122920A2_I_>

<210> 6380
<211> 708
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6380
Pro Arg Arg Leu Leu Ser Thr Ser Arg Arg Cys Ser Arg Arg Arg Arg
1 5 10 15

Leu Ala Val Arg Cys Gln Ala Ala Pro Ser Pro Gly Ala Arg Arg Leu
20 25 30

Ala Cys Arg Gly Ala Pro Gly Arg Thr Ala Arg Pro Ala Pro Pro Pro
35 40 45

Gly Ser Phe Gly Xaa Ala Met Gly Cys Cys Ser Ser Ala Ser Ser Ala
50 55 60

Ala Gln Ser Ser Lys Arg Glu Trp Lys Pro Leu Glu Asp Arg Ser Cys
65 70 75 80

Thr Asp Ile Pro Trp Leu Leu Leu Phe Ile Leu Phe Cys Ile Gly Met
85 90 95

Gly Phe Ile Cys Gly Phe Ser Ile Ala Thr Gly Ala Ala Ala Arg Leu
100 105 110

Val Ser Gly Tyr Asp Ser Tyr Gly Asn Ile Cys Gly Gln Lys Asn Thr
115 120 125

Lys Leu Glu Ala Ile Pro Asn Ser Gly Met Asp His Thr Gln Arg Lys
130 135 140

Tyr Val Phe Phe Leu Asp Pro Cys Asn Leu Asp Leu Ile Asn Arg Lys
145 150 155 160

Ile Lys Ser Val Ala Leu Cys Val Ala Ala Cys Pro Arg Gln Glu Leu
165 170 175

Lys Thr Leu Ser Asp Val Gln Lys Phe Ala Glu Ile Asn Gly Ser Ala
180 185 190

Leu Cys Ser Tyr Asn Leu Lys Pro Ser Glu Tyr Thr Thr Ser Pro Lys
195 200 205

```
Ser Ser Val Leu Cys Pro Lys Leu Pro Val Pro Ala Ser Ala Pro Ile
    210                 215                 220

Pro Phe Phe His Arg Cys Ala Pro Val Asn Ile Ser Cys Tyr Ala Lys
225                 230                 235                 240

Phe Ala Glu Ala Leu Ile Thr Phe Val Ser Asp Asn Ser Val Leu His
                245                 250                 255

Arg Leu Ile Ser Gly Val Met Thr Ser Lys Glu Ile Ile Leu Gly Leu
            260                 265                 270

Cys Leu Leu Ser Leu Val Leu Ser Met Ile Leu Met Val Ile Ile Arg
        275                 280                 285

Tyr Ile Ser Arg Val Leu Val Trp Ile Leu Thr Ile Leu Val Ile Leu
    290                 295                 300

Gly Ser Leu Gly Gly Thr Gly Val Leu Trp Trp Leu Tyr Ala Lys Gln
305                 310                 315                 320

Arg Arg Ser Pro Lys Glu Thr Val Thr Pro Glu Gln Leu Gln Ile Ala
                325                 330                 335

Glu Asp Asn Leu Arg Ala Leu Leu Ile Tyr Ala Ile Ser Ala Thr Val
            340                 345                 350

Phe Thr Val Ile Leu Phe Leu Ile Met Leu Val Met Arg Lys Arg Val
        355                 360                 365

Ala Leu Thr Ile Ala Leu Phe His Val Ala Gly Lys Val Phe Ile His
    370                 375                 380

Leu Pro Leu Leu Val Phe Gln Pro Phe Trp Thr Phe Phe Ala Leu Val
385                 390                 395                 400

Leu Phe Trp Val Tyr Trp Ile Met Thr Leu Leu Phe Leu Gly Thr Thr
                405                 410                 415

Gly Ser Pro Val Gln Asn Glu Gln Gly Phe Val Glu Phe Lys Ile Ser
            420                 425                 430

Gly Pro Leu Gln Tyr Met Trp Trp Tyr His Val Val Gly Leu Ile Trp
        435                 440                 445

Ile Ser Glu Phe Ile Leu Ala Cys Gln Gln Met Thr Val Ala Gly Ala
    450                 455                 460

Val Val Thr Tyr Tyr Phe Thr Arg Asp Lys Arg Asn Leu Pro Phe Thr
465                 470                 475                 480
```

```
Pro Ile Leu Ala Ser Val Asn Arg Leu Ile Arg Tyr His Leu Gly Thr
                485                 490                 495

Val Ala Lys Gly Ser Phe Ile Ile Thr Leu Val Lys Ile Pro Arg Met
            500                 505                 510

Ile Leu Met Tyr Ile His Ser Gln Leu Lys Gly Lys Glu Asn Ala Cys
        515                 520                 525

Ala Arg Cys Val Leu Lys Ser Cys Ile Cys Cys Leu Trp Cys Leu Glu
    530                 535                 540

Lys Cys Leu Asn Tyr Leu Asn Gln Asn Ala Tyr Thr Ala Thr Ala Ile
545                 550                 555                 560

Asn Ser Thr Asn Phe Cys Thr Ser Ala Lys Asp Ala Phe Val Ile Leu
                565                 570                 575

Val Glu Asn Ala Leu Arg Val Ala Thr Ile Asn Thr Val Gly Asp Phe
            580                 585                 590

Met Leu Phe Leu Gly Lys Val Leu Ile Val Cys Ser Thr Gly Leu Ala
        595                 600                 605

Gly Ile Met Leu Leu Asn Tyr Gln Gln Asp Tyr Thr Val Trp Val Leu
    610                 615                 620

Pro Leu Ile Ile Val Cys Leu Phe Ala Phe Leu Val Ala His Cys Phe
625                 630                 635                 640

Leu Ser Ile Tyr Glu Met Val Val Asp Val Leu Phe Leu Cys Phe Ala
                645                 650                 655

Ile Asp Thr Lys Tyr Asn Asp Gly Ser Pro Gly Arg Glu Phe Tyr Met
            660                 665                 670

Asp Lys Val Leu Met Glu Phe Val Glu Asn Ser Arg Lys Ala Met Lys
        675                 680                 685

Glu Ala Gly Lys Gly Gly Val Ala Asp Ser Arg Glu Leu Lys Pro Met
    690                 695                 700

Leu Lys Lys Arg
705
```

<210> 6381
<211> 625
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (222)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (231)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (278)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (279)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (440)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6381

```
Ala Val Arg Leu Pro Ala Ala Tyr Ile Lys Ala Pro Gly His Ala Glu
  1               5                  10                  15

Pro Ser Ser Arg Thr Arg Pro Thr Thr Met Arg Ser Cys Leu Trp Arg
             20                  25                  30

Cys Arg His Leu Ser Gln Gly Val Gln Trp Ser Leu Leu Leu Ala Val
         35                  40                  45

Leu Val Phe Phe Leu Phe Ala Leu Pro Ser Phe Ile Lys Glu Pro Gln
     50                  55                  60

Thr Lys Pro Ser Arg His Gln Arg Thr Glu Asn Ile Lys Glu Arg Ser
 65                  70                  75                  80

Leu Gln Ser Leu Ala Lys Pro Lys Ser Gln Ala Pro Thr Arg Ala Arg
                 85                  90                  95

Arg Thr Thr Ile Tyr Ala Glu Pro Xaa Pro Glu Asn Asn Ala Leu Asn
```

100 105 110

Thr Gln Thr Gln Pro Lys Ala His Thr Thr Gly Asp Arg Gly Lys Glu
115 120 125

Ala Asn Gln Ala Pro Pro Glu Glu Gln Asp Lys Val Pro His Thr Ala
130 135 140

Gln Arg Ala Ala Trp Lys Ser Pro Glu Lys Glu Lys Thr Met Val Asn
145 150 155 160

Thr Leu Ser Pro Arg Gly Gln Asp Ala Gly Met Ala Ser Gly Arg Thr
165 170 175

Glu Ala Gln Ser Trp Lys Ser Gln Asp Thr Lys Thr Thr Gln Gly Asn
180 185 190

Gly Gly Gln Thr Arg Lys Leu Thr Ala Ser Arg Thr Val Ser Glu Lys
195 200 205

His Gln Gly Lys Ala Ala Thr Thr Ala Lys Thr Leu Ile Xaa Lys Ser
210 215 220

Gln His Arg Met Leu Ala Xaa Thr Gly Ala Val Ser Thr Arg Thr Arg
225 230 235 240

Gln Lys Gly Val Thr Thr Ala Val Ile Pro Pro Lys Glu Lys Lys Pro
245 250 255

Gln Ala Thr Pro Pro Pro Ala Pro Phe Gln Ser Pro Thr Thr Gln Arg
260 265 270

Asn Gln Arg Leu Lys Xaa Xaa Asn Phe Lys Ser Glu Pro Arg Trp Asp
275 280 285

Phe Glu Glu Lys Tyr Ser Phe Glu Ile Gly Gly Leu Gln Thr Thr Cys
290 295 300

Pro Asp Ser Val Lys Ile Lys Ala Ser Lys Ser Leu Trp Leu Gln Lys
305 310 315 320

Leu Phe Leu Pro Asn Leu Thr Leu Phe Leu Asp Ser Arg His Phe Asn
325 330 335

Gln Ser Glu Trp Asp Arg Leu Glu His Phe Ala Pro Pro Phe Gly Phe
340 345 350

Met Glu Leu Asn Tyr Ser Leu Val Gln Lys Val Val Thr Arg Phe Pro
355 360 365

Pro Val Pro Gln Gln Gln Leu Leu Leu Ala Ser Leu Pro Ala Gly Ser

370 375 380

Leu Arg Cys Ile Thr Cys Ala Val Val Gly Asn Gly Gly Ile Leu Asn
385 390 395 400

Asn Ser His Met Gly Gln Glu Ile Asp Ser His Asp Tyr Val Phe Arg
405 410 415

Leu Ser Gly Ala Leu Ile Lys Gly Tyr Glu Gln Asp Val Gly Thr Arg
420 425 430

Thr Ser Phe Tyr Gly Phe Thr Xaa Phe Ser Leu Thr Gln Ser Leu Leu
435 440 445

Ile Leu Gly Asn Arg Gly Phe Lys Asn Val Pro Leu Gly Lys Asp Val
450 455 460

Arg Tyr Leu His Phe Leu Glu Gly Thr Arg Asp Tyr Glu Trp Leu Glu
465 470 475 480

Ala Leu Leu Met Asn Gln Thr Val Met Ser Lys Asn Leu Phe Trp Phe
485 490 495

Arg His Arg Pro Gln Glu Ala Phe Arg Glu Ala Leu His Met Asp Arg
500 505 510

Tyr Leu Leu Leu His Pro Asp Phe Leu Arg Tyr Met Lys Asn Arg Phe
515 520 525

Leu Arg Ser Lys Thr Leu Asp Gly Ala His Trp Arg Ile Tyr Arg Pro
530 535 540

Thr Thr Gly Ala Leu Leu Leu Leu Thr Ala Leu Gln Leu Cys Asp Gln
545 550 555 560

Val Ser Ala Tyr Gly Phe Ile Thr Glu Gly His Glu Arg Phe Ser Asp
565 570 575

His Tyr Tyr Asp Thr Ser Trp Lys Arg Leu Ile Phe Tyr Ile Asn His
580 585 590

Asp Phe Lys Leu Glu Arg Glu Val Trp Lys Arg Leu His Asp Glu Gly
595 600 605

Ile Ile Arg Leu Tyr Gln Arg Pro Gly Pro Gly Thr Ala Lys Ala Lys
610 615 620

Asn
625

BNSDOCID: <WO__0122920A2_I_>

<210> 6382
<211> 299
<212> PRT
<213> Homo sapiens

<400> 6382
Gln Met Glu Lys Lys Glu Cys Pro Glu Lys Ser Ser Ser Ser Glu Glu
1 5 10 15

Glu Leu Pro Arg Arg Val Tyr Arg Glu Leu Pro Cys Val Ser Glu Thr
20 25 30

Leu Cys Asp Ile Ser His Phe Phe Gln Glu Asp Asp Glu Thr Glu Ala
35 40 45

Glu Pro Leu Leu Phe Arg Ala Val Pro Glu Cys Gln Leu Ser Gly Gly
50 55 60

Asp Ile Pro Ser Val Ser Glu Glu Gln Glu Ser Ser Glu Gly Gln Asp
65 70 75 80

Ser Gly Asp Ile Cys Ser Glu Glu Asn Gln Ile Val Ser Ser Tyr Ala
85 90 95

Ser Lys Val Cys Phe Glu Ile Glu Glu Asp Tyr Lys Asn Arg Gln Phe
100 105 110

Leu Gly Pro Glu Gly Asn Val Asp Val Glu Leu Ile Asp Lys Ser Thr
115 120 125

Asn Arg Tyr Ser Val Trp Phe Pro Thr Ala Gly Trp Tyr Leu Trp Ser
130 135 140

Ala Thr Gly Leu Gly Phe Leu Val Arg Asp Glu Val Thr Val Thr Ile
145 150 155 160

Ala Phe Gly Ser Trp Ser Gln His Leu Ala Leu Asp Leu Gln His His
165 170 175

Glu Gln Trp Leu Val Gly Gly Pro Leu Phe Asp Val Thr Ala Glu Pro
180 185 190

Glu Glu Ala Val Ala Glu Ile His Leu Pro His Phe Ile Ser Leu Gln
195 200 205

Ala Gly Glu Val Asp Val Ser Trp Phe Leu Val Ala His Phe Lys Asn
210 215 220

Glu Gly Met Val Leu Glu His Pro Ala Arg Val Glu Pro Phe Tyr Ala
225 230 235 240

Val Leu Glu Ser Pro Ser Phe Ser Leu Met Gly Ile Leu Leu Arg Ile
245 250 255

Ala Ser Gly Thr Arg Leu Ser Ile Pro Ile Thr Ser Asn Thr Leu Ile
260 265 270

Tyr Tyr His Pro His Pro Glu Asp Ile Lys Phe His Leu Tyr Leu Val
275 280 285

Pro Ser Asp Ala Leu Leu Thr Lys Thr Leu Phe
290 295

<210> 6383
<211> 273
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6383
Glu Thr Arg Val Lys Thr Ser Leu Glu Leu Leu Arg Thr Gln Leu Glu
1 5 10 15

Pro Thr Gly Thr Val Gly Asn Thr Ile Met Thr Ser Gln Pro Val Pro
20 25 30

Asn Glu Thr Ile Ile Val Leu Pro Ser Asn Val Ile Asn Phe Ser Gln
35 40 45

Ala Glu Lys Pro Glu Pro Thr Asn Gln Gly Gln Asp Ser Leu Lys Lys
50 55 60

His Leu His Ala Glu Ile Lys Val Ile Gly Thr Ile Gln Ile Leu Cys
65 70 75 80

Gly Met Met Val Leu Ser Leu Gly Ile Ile Leu Ala Ser Ala Ser Phe
85 90 95

Ser Pro Asn Phe Thr Gln Val Thr Ser Thr Leu Leu Asn Ser Ala Tyr
100 105 110

Pro Phe Ile Gly Pro Phe Phe Phe Ile Ile Ser Gly Ser Leu Ser Ile
115 120 125

Ala Thr Glu Lys Arg Leu Thr Lys Leu Leu Val His Ser Ser Leu Val

BNSDOCID: <WO__0122920A2_I_>

130 135 140

Gly Ser Ile Leu Ser Ala Leu Ser Ala Leu Val Gly Phe Ile Ile Leu
145 150 155 160

Ser Val Lys Gln Ala Thr Leu Asn Pro Ala Ser Leu Gln Cys Glu Leu
165 170 175

Asp Lys Asn Asn Ile Pro Thr Arg Ser Tyr Val Ser Tyr Phe Tyr His
180 185 190

Asp Ser Leu Tyr Thr Thr Asp Cys Tyr Thr Ala Lys Ala Ser Leu Ala
195 200 205

Gly Xaa Leu Ser Leu Met Leu Ile Cys Thr Leu Leu Glu Phe Cys Leu
210 215 220

Ala Val Leu Thr Ala Val Leu Arg Trp Lys Gln Ala Tyr Ser Asp Phe
225 230 235 240

Pro Gly Ser Val Leu Phe Leu Pro His Ser Tyr Ile Gly Asn Ser Gly
245 250 255

Met Ser Ser Lys Met Thr His Asp Cys Gly Tyr Glu Glu Leu Leu Thr
260 265 270

Ser

<210> 6384
<211> 166
<212> PRT
<213> Homo sapiens

<400> 6384
Leu His Pro Gln Gly Arg Arg Lys Met Ala Ser Arg Ser Met Arg Leu
1 5 10 15

Leu Leu Leu Leu Ser Cys Leu Ala Lys Thr Gly Val Leu Gly Asp Ile
20 25 30

Ile Met Arg Pro Ser Cys Ala Pro Gly Trp Phe Tyr His Lys Ser Asn
35 40 45

Cys Tyr Gly Tyr Phe Arg Lys Leu Arg Asn Trp Ser Asp Ala Glu Leu
50 55 60

Glu Cys Gln Ser Tyr Gly Asn Gly Ala His Leu Ala Ser Ile Leu Ser
65 70 75 80

```
Leu Lys Glu Ala Ser Thr Ile Ala Glu Tyr Ile Ser Gly Tyr Gln Arg
                 85                  90                  95

Ser Gln Pro Ile Trp Ile Gly Leu His Asp Pro Gln Lys Arg Gln Gln
            100                 105                 110

Trp Gln Trp Ile Asp Gly Ala Met Tyr Leu Tyr Arg Ser Trp Ser Gly
        115                 120                 125

Lys Ser Met Gly Gly Asn Lys His Cys Ala Glu Met Ser Ser Asn Asn
    130                 135                 140

Asn Phe Leu Thr Trp Ser Ser Asn Glu Cys Asn Lys Arg Gln His Phe
145                 150                 155                 160

Leu Cys Lys Tyr Arg Pro
                165
```

<210> 6385
<211> 202
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6385

```
Xaa Pro Gly Arg Thr Ser Xaa Thr Pro His Pro Ser Arg Arg Leu Thr
  1                 5                  10                  15

Gln Gly Arg Trp Val Arg Lys Ser Arg Val Ala Met Glu Lys Ile Pro
             20                  25                  30

Val Ser Ala Phe Leu Leu Leu Val Ala Leu Ser Tyr Thr Leu Ala Arg
         35                  40                  45

Asp Thr Thr Val Lys Pro Gly Ala Lys Lys Asp Thr Lys Asp Ser Arg
     50                  55                  60

Pro Lys Leu Pro Gln Thr Leu Ser Arg Gly Trp Gly Asp Gln Leu Ile
 65                  70                  75                  80
```

```
Trp Thr Gln Thr Tyr Glu Glu Ala Leu Tyr Lys Ser Lys Thr Ser Asn
                 85                  90                  95

Lys Pro Leu Met Ile Ile His His Leu Asp Glu Cys Pro His Ser Gln
            100                 105                 110

Ala Leu Lys Lys Val Phe Ala Glu Asn Lys Glu Ile Gln Lys Leu Ala
        115                 120                 125

Glu Gln Phe Val Leu Leu Asn Leu Val Tyr Glu Thr Thr Asp Lys His
    130                 135                 140

Leu Ser Pro Asp Gly Gln Tyr Val Pro Arg Ile Met Phe Val Asp Pro
145                 150                 155                 160

Ser Leu Thr Val Arg Ala Asp Ile Thr Gly Arg Tyr Ser Asn Arg Leu
                165                 170                 175

Tyr Ala Tyr Glu Pro Ala Asp Thr Ala Leu Leu Leu Asp Asn Met Lys
            180                 185                 190

Lys Ala Leu Lys Leu Leu Lys Thr Glu Leu
        195                 200
```

<210> 6386
<211> 251
<212> PRT
<213> Homo sapiens

<400> 6386

```
Arg Ser Gly Ser Leu Met Ala Ala Ala Ala Ala Thr Lys Ile Leu Leu
  1               5                  10                  15

Cys Leu Pro Leu Leu Leu Leu Leu Ser Gly Trp Ser Arg Ala Gly Arg
             20                  25                  30

Ala Asp Pro His Ser Leu Cys Tyr Asp Ile Thr Val Ile Pro Lys Phe
         35                  40                  45

Arg Pro Gly Pro Arg Trp Cys Ala Val Gln Gly Gln Val Asp Glu Lys
     50                  55                  60

Thr Phe Leu His Tyr Asp Cys Gly Asn Lys Thr Val Thr Pro Val Ser
 65                  70                  75                  80

Pro Leu Gly Lys Lys Leu Asn Val Thr Thr Ala Trp Lys Ala Gln Asn
                 85                  90                  95
```

```
Pro Val Leu Arg Glu Val Val Asp Ile Leu Thr Glu Gln Leu Arg Asp
            100                 105                 110

Ile Gln Leu Glu Asn Tyr Thr Pro Lys Glu Pro Leu Thr Leu Gln Ala
        115                 120                 125

Arg Met Ser Cys Glu Gln Lys Ala Glu Gly His Ser Ser Gly Ser Trp
    130                 135                 140

Gln Phe Ser Phe Asp Gly Gln Ile Phe Leu Leu Phe Asp Ser Glu Lys
145                 150                 155                 160

Arg Met Trp Thr Thr Val His Pro Gly Ala Arg Lys Met Lys Glu Lys
                165                 170                 175

Trp Glu Asn Asp Lys Val Val Ala Met Ser Phe His Tyr Phe Ser Met
            180                 185                 190

Gly Asp Cys Ile Gly Trp Leu Glu Asp Phe Leu Met Gly Met Asp Ser
        195                 200                 205

Thr Leu Glu Pro Ser Ala Gly Ala Pro Leu Ala Met Ser Ser Gly Thr
    210                 215                 220

Thr Gln Leu Arg Ala Thr Ala Thr Thr Leu Ile Leu Cys Cys Leu Leu
225                 230                 235                 240

Ile Ile Leu Pro Cys Phe Ile Leu Pro Gly Ile
                245                 250
```

<210> 6387
<211> 241
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (205)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6387

```
Arg Asp Pro Pro Arg Pro Val Gln Ser Gly Leu Gly Ala Ala Gly Thr
  1               5                  10                  15

Leu Ser Trp Leu Pro Pro Pro Glu Gln Pro Val Leu Val Pro Arg Leu
             20                  25                  30

Pro Ala Pro Arg Pro Val Met Thr Leu Arg Pro Ser Leu Leu Pro Leu
         35                  40                  45
```

His Leu Leu Leu Leu Leu Leu Leu Ser Ala Ala Val Cys Arg Ala Glu
50 55 60

Ala Gly Leu Glu Thr Glu Ser Pro Val Arg Thr Leu Gln Val Glu Thr
65 70 75 80

Leu Val Glu Pro Pro Glu Pro Cys Ala Glu Pro Ala Ala Phe Gly Asp
85 90 95

Thr Leu His Ile His Tyr Thr Gly Ser Leu Val Asp Gly Arg Ile Ile
100 105 110

Asp Thr Ser Leu Thr Arg Asp Pro Leu Val Ile Glu Leu Gly Gln Lys
115 120 125

Gln Val Ile Pro Gly Leu Glu Gln Ser Leu Leu Asp Met Cys Val Gly
130 135 140

Glu Lys Arg Arg Ala Ile Ile Pro Ser His Leu Ala Tyr Gly Lys Arg
145 150 155 160

Gly Phe Pro Pro Ser Val Pro Ala Asp Ala Val Val Gln Tyr Asp Val
165 170 175

Glu Leu Ile Ala Leu Ile Arg Ala Asn Tyr Trp Leu Lys Leu Val Lys
180 185 190

Gly Ile Leu Pro Leu Val Gly Met Ala Met Val Pro Xaa Ser Trp Ala
195 200 205

Ser Leu Gly Ile Thr Tyr Thr Glu Arg Pro Ile Asp Pro Lys Ser Pro
210 215 220

Lys Arg Ser Ser Arg Lys Arg Asn Glu Thr Arg Ala Lys Arg Asn Asn
225 230 235 240

Lys

<210> 6388
<211> 223
<212> PRT
<213> Homo sapiens

<400> 6388
Gly Phe Leu Leu His Pro Val Tyr Leu Leu Arg Val Ser Phe Pro Leu
1 5 10 15

```
Pro Thr Pro Ala Gly Gln Ser Trp Ala Pro Ala Pro Glu His Ser Arg
            20                  25                  30

Ala Ala Arg Val Ser Arg Leu Glu Thr His Asp Thr Lys Glu Ile Gln
        35                  40                  45

Val Lys Lys Tyr Lys Cys Gly Leu Ile Lys Pro Cys Pro Ala Asn Tyr
    50                  55                  60

Phe Ala Phe Lys Ile Cys Ser Gly Ala Ala Asn Val Val Gly Pro Thr
65                  70                  75                  80

Met Cys Phe Glu Asp Arg Met Ile Met Ser Pro Val Lys Asn Asn Val
                85                  90                  95

Gly Arg Gly Leu Asn Ile Ala Leu Val Asn Gly Thr Thr Gly Ala Val
            100                 105                 110

Leu Gly Gln Lys Ala Phe Asp Met Tyr Ser Gly Asp Val Met His Leu
        115                 120                 125

Val Lys Phe Leu Lys Glu Ile Pro Gly Gly Ala Leu Val Leu Val Ala
    130                 135                 140

Ser Tyr Asp Asp Pro Gly Thr Lys Met Asn Asp Glu Ser Arg Lys Leu
145                 150                 155                 160

Phe Ser Asp Leu Gly Ser Ser Tyr Ala Lys Gln Leu Gly Phe Arg Asp
                165                 170                 175

Ser Trp Val Phe Ile Gly Ala Lys Asp Leu Arg Gly Lys Ser Pro Phe
            180                 185                 190

Glu Gln Phe Leu Lys Asn Ser Pro Asp Thr Asn Lys Tyr Glu Gly Trp
        195                 200                 205

Pro Glu Leu Leu Glu Met Glu Gly Cys Met Pro Pro Lys Pro Phe
    210                 215                 220
```

<210> 6389
<211> 268
<212> PRT
<213> Homo sapiens

<400> 6389

```
Pro Gly Ser Asp Val Ala Phe His Phe Asn Pro Arg Phe Asp Gly Trp
  1               5                  10                  15

Asp Lys Val Val Phe Asn Thr Leu Gln Gly Gly Lys Trp Gly Ser Glu
```

```
                20                  25                  30

Glu Arg Lys Arg Ser Met Pro Phe Lys Lys Gly Ala Ala Phe Glu Leu
        35                  40                  45

Val Phe Ile Val Leu Ala Glu His Tyr Lys Val Val Val Asn Gly Asn
    50                  55                  60

Pro Phe Tyr Glu Tyr Gly His Arg Leu Pro Leu Gln Met Val Thr His
65                  70                  75                  80

Leu Gln Val Asp Gly Asp Leu Gln Leu Gln Ser Ile Asn Phe Ile Gly
                85                  90                  95

Gly Gln Pro Leu Arg Pro Gln Gly Pro Pro Met Met Pro Pro Tyr Pro
            100                 105                 110

Gly Pro Gly His Cys His Gln Gln Leu Asn Ser Leu Pro Thr Met Glu
        115                 120                 125

Gly Pro Pro Thr Phe Asn Pro Pro Val Pro Tyr Phe Gly Arg Leu Gln
    130                 135                 140

Gly Gly Leu Thr Ala Arg Arg Thr Ile Ile Ile Lys Gly Tyr Val Pro
145                 150                 155                 160

Pro Thr Gly Lys Ser Phe Ala Ile Asn Phe Lys Val Gly Ser Ser Gly
                165                 170                 175

Asp Ile Ala Leu His Ile Asn Pro Arg Met Gly Asn Gly Thr Val Val
            180                 185                 190

Arg Asn Ser Leu Leu Asn Gly Ser Trp Gly Ser Glu Glu Lys Lys Ile
        195                 200                 205

Thr His Asn Pro Phe Gly Pro Gly Gln Phe Phe Asp Leu Ser Ile Arg
    210                 215                 220

Cys Gly Leu Asp Arg Phe Lys Val Tyr Ala Asn Gly Gln His Leu Phe
225                 230                 235                 240

Asp Phe Ala His Arg Leu Ser Ala Phe Gln Arg Val Asp Thr Leu Glu
                245                 250                 255

Ile Gln Gly Asp Val Thr Leu Ser Tyr Val Gln Ile
            260                 265
```

<210> 6390
<211> 279

<212> PRT
<213> Homo sapiens

<400> 6390

```
Pro Arg Val Arg Pro Arg Val Arg Trp Thr Ala Ala Met Arg Leu Thr
  1               5                  10                  15

Val Leu Cys Ala Val Cys Leu Leu Pro Gly Ser Leu Ala Leu Pro Leu
             20                  25                  30

Pro Gln Glu Ala Gly Gly Met Ser Glu Leu Gln Trp Glu Gln Ala Gln
         35                  40                  45

Asp Tyr Leu Lys Arg Phe Tyr Leu Tyr Asp Ser Glu Thr Lys Asn Ala
     50                  55                  60

Asn Ser Leu Glu Ala Lys Leu Lys Glu Met Gln Lys Phe Phe Gly Leu
 65                  70                  75                  80

Pro Ile Thr Gly Met Leu Asn Ser Arg Val Ile Glu Ile Met Gln Lys
                 85                  90                  95

Pro Arg Cys Gly Val Pro Asp Val Ala Glu Tyr Ser Leu Phe Pro Asn
            100                 105                 110

Ser Pro Lys Trp Thr Ser Lys Val Val Thr Tyr Arg Ile Val Ser Tyr
        115                 120                 125

Thr Arg Asp Leu Pro His Ile Thr Val Asp Arg Leu Val Ser Lys Ala
    130                 135                 140

Leu Asn Met Trp Gly Lys Glu Ile Pro Leu His Phe Arg Lys Val Val
145                 150                 155                 160

Trp Gly Thr Ala Asp Ile Met Ile Gly Phe Ala Arg Gly Ala His Gly
                165                 170                 175

Asp Ser Tyr Pro Phe Asp Gly Pro Gly Asn Thr Leu Ala His Ala Phe
            180                 185                 190

Ala Pro Gly Thr Gly Leu Gly Gly Asp Ala His Phe Asp Glu Asp Glu
        195                 200                 205

Arg Trp Thr Asp Gly Ser Ser Leu Gly Ile Asn Phe Leu Tyr Ala Ala
    210                 215                 220

Thr His Glu Leu Gly His Ser Leu Gly Met Gly His Ser Ser Asp Pro
225                 230                 235                 240

Asn Ala Val Met Tyr Pro Thr Tyr Gly Asn Gly Asp Pro Gln Asn Phe
                245                 250                 255
```

BNSDOCID: <WO _ 0122920A2 I >

```
Lys Leu Ser Gln Asp Asp Ile Lys Gly Ile Gln Lys Leu Tyr Gly Lys
            260                 265                 270

Arg Ser Asn Ser Arg Lys Lys
        275
```

<210> 6391
<211> 245
<212> PRT
<213> Homo sapiens

<400> 6391

```
Leu Gln Phe Ser Arg Glu Glu Ala Gly Val Asp Leu Val Ser Pro Thr
  1               5                  10                  15

Pro Leu Thr Pro Pro Asp Pro Gly Ala Ala Ser Ala Thr Ala Thr Ala
            20                  25                  30

Pro Ala Pro Ala Ala Ala Arg Arg Gly Glu Ala Met Ala Lys Val Ser
        35                  40                  45

Val Leu Asn Val Ala Val Leu Glu Asn Pro Ser Pro Phe His Ser Pro
    50                  55                  60

Phe Arg Phe Glu Ile Ser Phe Glu Cys Ser Glu Ala Leu Ala Asp Asp
65                  70                  75                  80

Leu Glu Trp Lys Ile Ile Tyr Val Gly Ser Ala Glu Ser Glu Glu Phe
                85                  90                  95

Asp Gln Ile Leu Asp Ser Val Leu Val Gly Pro Val Pro Ala Gly Arg
            100                 105                 110

His Met Phe Val Phe Gln Ala Asp Ala Pro Asn Pro Ser Leu Ile Pro
        115                 120                 125

Glu Thr Asp Ala Val Gly Val Thr Val Val Leu Ile Thr Cys Thr Tyr
    130                 135                 140

His Gly Gln Glu Phe Ile Arg Val Gly Tyr Tyr Val Asn Asn Glu Tyr
145                 150                 155                 160

Leu Asn Pro Glu Leu Arg Glu Asn Pro Pro Met Lys Pro Asp Phe Ser
                165                 170                 175

Gln Leu Gln Arg Asn Ile Leu Ala Ser Asn Pro Arg Val Thr Arg Phe
            180                 185                 190
```

```
His Ile Asn Trp Asp Asn Asn Met Asp Arg Leu Glu Ala Ile Glu Thr
        195                 200                 205

Gln Asp Pro Ser Leu Gly Cys Gly Leu Pro Leu Asn Cys Thr Pro Ile
    210                 215                 220

Lys Gly Leu Gly Leu Pro Gly Cys Ile Pro Gly Leu Leu Pro Glu Asn
225                 230                 235                 240

Ser Met Asp Cys Ile
                245
```

<210> 6392
<211> 472
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6392

```
Leu Lys Gly Glu Gln Gly Glu Arg Gly Gln Trp Pro Glu Arg Ala Leu
  1               5                  10                  15

Gly Thr Gly Gly Thr Leu Phe Phe Leu Pro Arg Gly Pro Trp Ala Asp
            20                  25                  30

Gly Ile Thr Gln Lys Asn Ala Arg Glu Ala Ala Phe Glu Lys Gly Ser
        35                  40                  45

His Tyr Pro Arg Ala Gln Thr Glu Arg Met Glu Leu Arg Lys Tyr Gly
    50                  55                  60

Pro Gly Arg Leu Ala Gly Thr Val Ile Gly Gly Ala Ala Gln Ser Lys
65                  70                  75                  80

Ser Gln Thr Lys Ser Asp Ser Ile Thr Lys Glu Phe Leu Pro Gly Leu
                85                  90                  95

Tyr Thr Ala Pro Ser Ser Pro Phe Pro Pro Ser Gln Val Ser Asp His
            100                 105                 110
```

```
Gln Val Leu Asn Asp Ala Glu Val Ala Ala Leu Leu Glu Asn Phe Ser
        115                 120                 125

Ser Ser Tyr Asp Tyr Gly Glu Asn Glu Ser Xaa Ser Cys Cys Thr Ser
    130                 135                 140

Pro Pro Cys Pro Gln Asp Phe Ser Leu Asn Phe Asp Arg Ala Phe Leu
145                 150                 155                 160

Pro Ala Leu Xaa Ser Leu Leu Phe Leu Leu Gly Leu Leu Gly Asn Gly
                165                 170                 175

Ala Val Ala Ala Val Leu Leu Ser Arg Arg Thr Ala Leu Ser Ser Thr
            180                 185                 190

Asp Thr Phe Leu Leu His Leu Ala Val Ala Asp Thr Leu Leu Val Leu
        195                 200                 205

Thr Leu Pro Leu Trp Ala Val Asp Ala Ala Val Gln Trp Val Phe Gly
    210                 215                 220

Ser Gly Leu Cys Lys Val Ala Gly Ala Leu Phe Asn Ile Asn Phe Tyr
225                 230                 235                 240

Ala Gly Ala Leu Leu Leu Ala Cys Ile Ser Phe Asp Arg Tyr Leu Asn
                245                 250                 255

Ile Val His Ala Thr Gln Leu Tyr Arg Arg Gly Pro Pro Ala Arg Val
            260                 265                 270

Thr Leu Thr Cys Leu Ala Val Trp Gly Leu Cys Leu Leu Phe Ala Leu
        275                 280                 285

Pro Asp Phe Ile Phe Leu Ser Ala His His Asp Glu Arg Leu Asn Ala
    290                 295                 300

Thr His Cys Gln Tyr Asn Phe Pro Gln Val Gly Arg Thr Ala Leu Arg
305                 310                 315                 320

Val Leu Gln Leu Val Ala Gly Phe Leu Leu Pro Leu Leu Val Met Ala
                325                 330                 335

Tyr Cys Tyr Ala His Ile Leu Ala Val Leu Leu Val Ser Arg Gly Gln
            340                 345                 350

Arg Arg Leu Arg Ala Met Arg Leu Val Val Val Val Val Val Ala Phe
        355                 360                 365

Ala Leu Cys Trp Thr Pro Tyr His Leu Val Val Leu Val Asp Ile Leu
    370                 375                 380
```

```
Met Asp Leu Gly Ala Leu Ala Arg Asn Cys Gly Arg Glu Ser Arg Val
385                 390                 395                 400

Asp Val Ala Lys Ser Val Thr Ser Gly Leu Gly Tyr Met His Cys Cys
                405                 410                 415

Leu Asn Pro Leu Leu Tyr Ala Phe Val Gly Val Lys Phe Arg Glu Arg
            420                 425                 430

Met Trp Met Leu Leu Leu Arg Leu Gly Cys Pro Asn Gln Arg Gly Leu
        435                 440                 445

Gln Arg Gln Pro Ser Ser Ser Arg Arg Asp Ser Ser Trp Ser Glu Thr
    450                 455                 460

Ser Glu Ala Ser Tyr Ser Gly Leu
465                 470
```

<210> 6393
<211> 231
<212> PRT
<213> Homo sapiens

<400> 6393

```
Ala Arg Glu Met Ala Ala Gln Gln Arg Asp Cys Gly Gly Ala Ala Gln
  1               5                  10                  15

Leu Ala Gly Pro Ala Ala Glu Ala Asp Pro Leu Gly Arg Phe Thr Cys
             20                  25                  30

Pro Val Cys Leu Glu Val Tyr Glu Lys Pro Val Gln Val Pro Cys Gly
         35                  40                  45

His Val Phe Cys Ser Ala Cys Leu Gln Glu Cys Leu Lys Pro Lys Lys
     50                  55                  60

Pro Val Cys Gly Val Cys Arg Ser Ala Leu Ala Pro Gly Val Arg Ala
 65                  70                  75                  80

Val Glu Leu Glu Arg Gln Ile Glu Ser Thr Glu Thr Ser Cys His Gly
                85                  90                  95

Cys Arg Lys Asn Phe Phe Leu Ser Lys Ile Arg Ser His Val Ala Thr
            100                 105                 110

Cys Ser Lys Tyr Gln Asn Tyr Ile Met Glu Gly Val Lys Ala Thr Ile
        115                 120                 125

Lys Asp Ala Ser Leu Gln Pro Arg Asn Val Pro Asn Arg Tyr Thr Phe
```

BNSDOCID: <WO__ 0122920A2 I >

130 135 140

Pro Cys Pro Tyr Cys Pro Glu Lys Asn Phe Asp Gln Glu Gly Leu Val
145 150 155 160

Glu His Cys Lys Leu Phe His Ser Thr Asp Thr Lys Ser Val Val Cys
165 170 175

Pro Ile Cys Ala Ser Met Pro Trp Gly Asp Pro Asn Tyr Arg Ser Ala
180 185 190

Asn Phe Arg Glu His Ile Gln Arg Arg His Arg Phe Ser Tyr Asp Thr
195 200 205

Phe Val Asp Tyr Asp Val Asp Glu Glu Asp Met Met Asn Gln Val Leu
210 215 220

Gln Arg Ser Ile Ile Asp Gln
225 230

<210> 6394
<211> 625
<212> PRT
<213> Homo sapiens

<400> 6394
Ala Val Arg Leu Pro Ala Ala Tyr Ile Lys Ala Pro Gly His Ala Glu
1 5 10 15

Pro Ser Ser Arg Thr Arg Pro Thr Thr Met Arg Ser Cys Leu Trp Arg
20 25 30

Cys Arg His Leu Ser Gln Gly Val Gln Trp Ser Leu Leu Leu Ala Val
35 40 45

Leu Val Phe Phe Leu Phe Ala Leu Pro Ser Phe Ile Lys Glu Pro Gln
50 55 60

Thr Lys Pro Ser Arg His Gln Arg Thr Glu Asn Ile Lys Glu Arg Ser
65 70 75 80

Leu Gln Ser Leu Ala Lys Pro Lys Ser Gln Ala Pro Thr Arg Ala Arg
85 90 95

Arg Thr Thr Ile Tyr Ala Glu Pro Val Pro Glu Asn Asn Ala Leu Asn
100 105 110

Thr Gln Thr Gln Pro Lys Ala His Thr Thr Gly Asp Arg Gly Lys Glu
115 120 125

```
Ala Asn Gln Ala Pro Pro Glu Glu Gln Asp Lys Val Pro His Thr Ala
    130                 135                 140

Gln Arg Ala Ala Trp Lys Ser Pro Glu Lys Glu Lys Thr Met Val Asn
145                 150                 155                 160

Thr Leu Ser Pro Arg Gly Gln Asp Ala Gly Met Ala Ser Gly Arg Thr
                165                 170                 175

Glu Ala Gln Ser Trp Lys Ser Gln Asp Thr Lys Thr Thr Gln Gly Asn
            180                 185                 190

Gly Gly Gln Thr Arg Lys Leu Thr Ala Ser Arg Thr Val Ser Glu Lys
        195                 200                 205

His Gln Gly Lys Ala Ala Thr Thr Ala Lys Thr Leu Ile Pro Lys Ser
    210                 215                 220

Gln His Arg Met Leu Ala Pro Thr Gly Ala Val Ser Thr Arg Thr Arg
225                 230                 235                 240

Gln Lys Gly Val Thr Thr Ala Val Ile Pro Pro Lys Glu Lys Lys Pro
                245                 250                 255

Gln Ala Thr Pro Pro Pro Ala Pro Phe Gln Ser Pro Thr Thr Gln Arg
            260                 265                 270

Asn Gln Arg Leu Lys Ala Ala Asn Phe Lys Ser Glu Pro Arg Trp Asp
        275                 280                 285

Phe Glu Glu Lys Tyr Ser Phe Glu Ile Gly Gly Leu Gln Thr Thr Cys
    290                 295                 300

Pro Asp Ser Val Lys Ile Lys Ala Ser Lys Ser Leu Trp Leu Gln Lys
305                 310                 315                 320

Leu Phe Leu Pro Asn Leu Thr Leu Phe Leu Asp Ser Arg His Phe Asn
                325                 330                 335

Gln Ser Glu Trp Asp Arg Leu Glu His Phe Ala Pro Pro Phe Gly Phe
            340                 345                 350

Met Glu Leu Asn Tyr Ser Leu Val Gln Lys Val Val Thr Arg Phe Pro
        355                 360                 365

Pro Val Pro Gln Gln Gln Leu Leu Leu Ala Ser Leu Pro Ala Gly Ser
    370                 375                 380

Leu Arg Cys Ile Thr Cys Ala Val Val Gly Asn Gly Gly Ile Leu Asn
385                 390                 395                 400
```

BNSDOCID: <WO__0122920A2 I >

Asn Ser His Met Gly Gln Glu Ile Asp Ser His Asp Tyr Val Phe Arg
405 410 415

Leu Ser Gly Ala Leu Ile Lys Gly Tyr Glu Gln Asp Val Gly Thr Arg
420 425 430

Thr Ser Phe Tyr Gly Phe Thr Ala Phe Ser Leu Thr Gln Ser Leu Leu
435 440 445

Ile Leu Gly Asn Arg Gly Phe Lys Asn Val Pro Leu Gly Lys Asp Val
450 455 460

Arg Tyr Leu His Phe Leu Glu Gly Thr Arg Asp Tyr Glu Trp Leu Glu
465 470 475 480

Ala Leu Leu Met Asn Gln Thr Val Met Ser Lys Asn Leu Phe Trp Phe
485 490 495

Arg His Arg Pro Gln Glu Ala Phe Arg Glu Ala Leu His Met Asp Arg
500 505 510

Tyr Leu Leu Leu His Pro Asp Phe Leu Arg Tyr Met Lys Asn Arg Phe
515 520 525

Leu Arg Ser Lys Thr Leu Asp Gly Ala His Trp Arg Ile Tyr Arg Pro
530 535 540

Thr Thr Gly Ala Leu Leu Leu Leu Thr Ala Leu Gln Leu Cys Asp Gln
545 550 555 560

Val Ser Ala Tyr Gly Phe Ile Thr Glu Gly His Glu Arg Phe Ser Asp
565 570 575

His Tyr Tyr Asp Thr Ser Trp Lys Arg Leu Ile Phe Tyr Ile Asn His
580 585 590

Asp Phe Lys Leu Glu Arg Glu Val Trp Lys Arg Leu His Asp Glu Gly
595 600 605

Ile Ile Arg Leu Tyr Gln Arg Pro Gly Pro Gly Thr Ala Lys Ala Lys
610 615 620

Asn
625

<210> 6395
<211> 165
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6395

```
Xaa Xaa Gln Xaa Xaa Pro Met Ile Thr Pro Ser Ser Asn Thr Thr His
  1               5                  10                  15

Tyr Arg Xaa Leu Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg
             20                  25                  30

Val Asp Pro Arg Val Arg Phe Ser Ser Asp Lys Thr Ala Leu Val Gln
         35                  40                  45

Tyr Phe Met Leu Ser Glu Gln Ile Val Tyr Leu Cys Leu Ser Ile Cys
     50                  55                  60

Ser Gln Gly Gly Cys Leu Gln Thr Phe Asp Gln Asp Ile His Leu Ile
 65                  70                  75                  80

Tyr Leu Val Phe Phe Phe Tyr Cys Cys Phe Phe Leu Arg Gln Arg Phe
                 85                  90                  95

Ser Leu Ser Pro Arg Leu Glu Cys Cys Gly Val Ile Leu Ala His Cys
            100                 105                 110

Asn Leu Arg Leu Pro Gly Ser Ser Asn Phe Pro Ala Ser Ala Ser Arg
        115                 120                 125
```

```
Val Pro Gly Thr Ile Cys Ala His His His Ala Trp Leu Ile Phe Cys
    130                 135                 140

Ile Phe Ser Arg Asp Gly Val Ser Pro Cys Trp Leu Gly Trp Ser Arg
145                 150                 155                 160

Thr Pro Asn Leu Lys
                165
```

<210> 6396
<211> 35
<212> PRT
<213> Homo sapiens

<400> 6396

```
Phe Gln Leu Leu Gly Arg Leu Arg Gln Glu Asn Cys Leu Asn Pro Gly
  1               5                  10                  15

Asp Gly Gly Cys Ser Asp Pro Arg Ser Cys Gln Cys Thr Pro Ala Trp
             20                  25                  30

Val Thr Glu
         35
```

<210> 6397
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6397
Ile Pro Gln Met Gln Pro Gly Gly Val Gln Ala Pro Xaa Ile Gln Gln
1 5 10 15

Val Leu Ala Pro Xaa Pro Gly Gly Ile Ser Pro Gln Thr Gly Gly Ile
20 25 30

Ile Gln Xaa Xaa Xaa Ile
35

<210> 6398
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6398
Asn Ser Ala Glu Leu Trp Ala Glu Glu Tyr Ala His Val Val Leu Arg
1 5 10 15

Lys Ala Asp Ile Asp Leu Thr Lys Arg Ala Gly Glu Leu Thr Glu Asp
20 25 30

Glu Val Glu Arg Val Ile Thr Ile Met Gln Asn Pro Arg His Thr Arg
35 40 45

Ser Gln Thr Gly Ser
50

<210> 6399
<211> 54
<212> PRT
<213> Homo sapiens

<400> 6399
Gly Val Pro Val Pro Pro Ser Leu Ala Gly Ile Met Gln Arg Thr Phe
1 5 10 15

Ala Trp Leu Leu Asp Arg Val Gln His Leu Gly Ala Pro Val Thr Leu
20 25 30

```
Arg Ala Ser Tyr Leu Glu Ile Tyr Asn Glu Gln Val Ser Ala Val Glu
         35                  40                  45

Gly Thr Gln Pro Thr Pro
      50
```

<210> 6400
<211> 73
<212> PRT
<213> Homo sapiens

<400> 6400

```
Gly Lys Ile Asp Pro Asp Gln Thr Val Ile Arg Ala Glu Ser Leu Asp
  1               5                  10                  15

Gly Gly Asp Thr Ser Ser Thr Val Val Glu Ser Gln Glu Gly Leu Ser
             20                  25                  30

Gly Thr His Val Pro Glu Ser Ser Asp Cys Cys Glu Gly Phe Ile Asn
         35                  40                  45

Thr Phe Ser Ser Asn Asp Met Asp Gly Gln Asp Leu Asp Tyr Phe Asn
      50                  55                  60

Ile Asp Glu Arg Ala Lys Met Ala His
 65                  70
```

<210> 6401
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6401
Glu Ser Xaa Trp Lys Thr Xaa His Tyr Ser Xaa Ser Trp Tyr Xaa Cys
1 5 10 15

Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Pro Gly
20 25 30

Thr Ser Thr Asn Gly Lys Xaa Leu Ala Ala Thr Ala Pro Thr Pro Gly
35 40 45

Ile Pro Ile Leu Gln Xaa Xaa Pro Ser Ala Pro Pro Pro Lys Ala Gln
50 55 60

Xaa Val Ser Pro Val Gln Ala Pro Pro Pro Gly Gly Ser Xaa Gln Leu
65 70 75 80

Leu Pro Gly Lys Val Leu Xaa Pro Leu Ala Xaa Pro Ser Met Ser Val
85 90 95

Arg Gly Gly Gly Ala
100

<210> 6402
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__0122920A2_1 >

<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6402
Gly Asn Tyr Tyr Leu Lys Phe Ser Val Val Ser Asp Lys Asn His Met
1 5 10 15

His Phe Gly Ala Ile Thr Xaa Ala Met Gly Ile Arg Phe Lys Ser Tyr
20 25 30

Cys Ser Asn Leu Val Arg Thr Leu Met Val Asp Pro Ser Gln Glu Val
35 40 45

Gln Glu Asn Tyr Asn Phe Xaa Leu Gln Leu Gln Glu Glu Leu Leu Lys
50 55 60

Glu Leu Arg His Gly Glu Lys Ile Cys Asp Xaa Tyr Asn Ala Xaa Met
65 70 75 80

Asp Val Val Lys Lys Xaa Lys Pro Glu Leu Xaa Asn Xaa Asn Tyr Xaa
85 90 95

Lys Pro Arg Val Arg Asp Gly Asn
100

<210> 6403
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6403
Pro Gly Xaa Glu Xaa Xaa Pro Thr Val Xaa Gln Val Glu Xaa Ala Ala
1 5 10 15

His Ser Ile Gln Val Glu Lys Ala Ala His Ser Ile Gln Val Glu Glu
20 25 30

Gly Ser Pro Gln Xaa Ser Arg Val Arg Arg Gln Pro Thr Gly Ile Gln
35 40 45

Gly Glu Glu Gly Cys Pro Gln Ala Ser Arg Val Arg Lys Ala Ala His
50 55 60

Arg His Pro Xaa
65

<210> 6404
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6404
Val Glu Asp Pro Leu Arg Ser Cys Cys Leu Val Ala Ala Asp Ala Gln
1 5 10 15

Glu Pro Glu Gly Ala Gly Ser Asp Ser Gly Asp Ser Pro Ala Ser Ser
20 25 30

Cys Ser Ser Ser Glu Asp Ser Glu Gln Arg Gly Val Gly Ala Gly Gly
35 40 45

Pro Glu Glu Gly Ala Pro Pro Ala Thr Ser Ala Glu Arg Thr Asn Gly
50 55 60

Gly Ala Asp Xaa Ala Trp Ala Phe Leu Thr Phe Thr Xaa Thr Leu Ala
65 70 75 80

Thr Arg Ser Arg Xaa Ser Arg Xaa
85

<210> 6405
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6405
Lys Phe Tyr Met Asn Ser Tyr Phe Phe Leu Asp Asn Met Leu Ile Phe
1 5 10 15

Ile Asp Phe Thr Asn Leu Gln His Met Gly Asp Phe Gly Ser Ile His
20 25 30

Arg Pro Gly Ile Val Val Asp Tyr Gln Asn Lys Ser Thr Asn Val Thr
35 40 45

Val Ala Ala Ala Arg Gly Ile Xaa Arg Lys Met Met Gln Pro Phe Asn
50 55 60

Lys Pro Ser Gly Thr Phe Ile Lys Asn Pro Asn
65 70 75

<210> 6406
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6406
Ala Leu Ser Gln Ile Thr Leu Arg Lys Ser Val Glu Ser Ala Leu Arg
1 5 10 15

Gln Leu Glu Arg Glu Lys Ala Leu Leu Gln His Lys Asn Ala Glu Tyr
20 25 30

Gln Arg Lys Ala Asp His Glu Ala Asp Xaa Lys Arg Xaa Leu Glu Asn
35 40 45

Asp Gly Leu Xaa Xaa Arg Ile Leu Asn Thr His Gln Glu Lys
50 55 60

BNSDOCID: <WO__ 0122920A2 1_>

<210> 6407
<211> 48
<212> PRT
<213> Homo sapiens

<400> 6407
Arg Gln Ser Gln Leu Ala Gln Asp Glu Arg Val Ser Arg Ser Tyr Leu
1 5 10 15

Ala Leu Ala Thr Glu Thr Val Asp Met Phe His Ile Leu Pro Gln Ser
20 25 30

Asn Val Ser Pro Arg Ala Arg Phe Cys Ser Met Lys Val Trp Ser Leu
35 40 45

<210> 6408
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6408
Gly Thr Ser Met Asp Val Ile Ser Ile Asp Lys Thr Gly Glu Asn Phe
1 5 10 15

Arg Leu Ile Tyr Asp Thr Lys Gly Arg Phe Ala Val His Arg Ile Thr
20 25 30

Pro Glu Glu Ala Lys Tyr Lys Leu Cys Lys Val Arg Lys Ile Phe Xaa
35 40 45

Gly Thr Lys Gly Ile Pro His Leu Val Thr His Asp Ala Arg Thr Ile
50 55 60

Arg Tyr Pro Asp Pro Leu Ile Lys Val Asn Asp Thr Ile Gln Ile Asp
65 70 75 80

Leu Glu Thr Gly Lys Ile Thr Asp Phe Ile Lys Phe Asp Thr Gly Asn
85 90 95

Leu Cys Met Val Thr Trp Arg Cys
100

<210> 6409
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6409
Thr Ser Leu Pro Ala Val Phe Pro Gly Gln Val Arg Arg Thr Leu Phe
1 5 10 15

Ile Thr Gly Leu Pro Arg Asp Ala Arg Lys Glu Thr Xaa Glu Ser His
20 25 30

Phe Arg Asp Ala Tyr Pro Thr Cys Lys Val Val Asp Val Gln Leu Xaa
35 40 45

Tyr

<210> 6410
<211> 191
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (157)

BNSDOCID: <WO_ _0122920A2_I_ >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (171)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (182)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (191)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6410

```
Gly Arg Glu Ile Xaa Arg Ser Phe His Leu Val Ile Ser Thr Glu His
  1               5                  10                  15

Arg Pro Pro Thr Met Glu Phe Gly Pro Ser Trp Val Phe Leu Val Ala
             20                  25                  30

Ile Leu Lys Gly Val His Cys Glu Val Gln Leu Val Glu Ser Gly Gly
         35                  40                  45

Gly Leu Val Gln Pro Gly Arg Ser Leu Arg Leu Ser Cys Thr Thr Ser
     50                  55                  60

Gly Phe Thr Phe Gly Asp Tyr Ser Met Ser Trp Val Arg Gln Ala Pro
 65                  70                  75                  80

Gly Lys Gly Leu Glu Trp Val Gly Phe Ile Arg Ser Lys Ala His Gly
                 85                  90                  95

Gly Thr Thr Glu Tyr Ala Ala Ser Val Lys Arg Gln Ile His His Leu
            100                 105                 110

Lys Glu Met Ile Pro Gln Ala Ser Xaa Ile Trp Gln Met Asn Ser Leu
        115                 120                 125
```

Lys Pro Arg Thr Gln Thr Leu Leu Leu Ser Arg His Asp Tyr Arg His
130 135 140

Thr Pro Gly Tyr Trp Gly Gln Gly Thr Leu Val Thr Xaa Phe Ser Gly
145 150 155 160

Phe His Gln Gly Pro Ser Ser Ser Pro Trp Xaa Pro Cys Ser Arg Xaa
165 170 175

Thr Ser Glu Xaa Gln Xaa Pro Gly Leu Ala Gly Gln Gly Leu Xaa
180 185 190

<210> 6411
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6411
Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Ala Xaa Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Ser Phe Gln Ile
20 25 30

Lys Asn Trp Leu Pro Phe Phe Val Arg Val Ser Asp Ala Ala Thr His
35 40 45

Ser Ala Pro Gln Asn Ser
50

<210> 6412
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO__ 0122920A2 I_>

<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6412
Xaa Xaa Xaa Thr Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser
1 5 10 15

Thr Cys Gly Ala Xaa Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg
20 25 30

Asn Ser Ala Arg Gly Gly Ala Pro Val Met Leu Ser Thr Leu Gln Met
35 40 45

Cys Cys Leu Ser His
50

<210> 6413
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6413
Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Xaa Ala
1 5 10 15

Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Xaa Ser Ala Arg Ala
20 25 30

Ala Ala Xaa Gly Pro Leu Gln Pro Cys Arg Ile Lys Thr Arg Arg Arg
35 40 45

Lys Asn His Gln Lys Gln Gly Arg Val Glu Lys Val Gln Lys Lys Asp
50 55 60

Lys Thr Gln
65

<210> 6414
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6414
Xaa Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val
1 5 10 15

Xaa Xaa Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala

20 25 30

Arg Gly Gly Ile Val Cys Leu Leu Met Asn Leu Gln Trp Leu Gln
35 40 45

Asn Asp
50

<210> 6415
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6415
Xaa Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val
1 5 10 15

Thr Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
20 25 30

Arg Ala Thr Thr Gly Glu Ser Ile His Gln Val Thr Glu Phe Leu Gln
35 40 45

Arg Gly His Tyr
50

<210> 6416
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6416
Xaa Asn Lys Xaa Xaa Xaa Ser Thr Ala Val Xaa Ala Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Val Leu Phe Ser
20 25 30

Ile Met Asn Ser Trp Leu Arg
35

<210> 6417
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6417
Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Ala
1 5 10 15

Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
20 25 30

Gly Arg Leu Met Met Thr Phe Ser Gln Val Leu Gly Lys Lys Leu Lys
35 40 45

Leu Leu Leu
50

<210> 6418
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6418
Ser Thr Leu Ile Lys Gly Thr Lys Ser Trp Xaa Ser Thr Ala Val Ala
1 5 10 15

Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
20 25 30

Asp Asp Ile Glu Thr Ser Val Ile
35 40

<210> 6419
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6419
Gly Xaa Xaa Asn Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala
1 5 10 15

Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser
20 25 30

Ala Arg Gly Leu Ile Ser Ser His Leu
35 40

<210> 6420
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6420
Xaa Ser Xaa Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val
1 5 10 15

Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
20 25 30

Arg Ala Phe Gly Phe
35

<210> 6421
<211> 29
<212> PRT
<213> Homo sapiens

<400> 6421
Lys Asn His Lys Pro Ser Val Leu Leu Gly Phe Asp Met Ser Glu Leu
1 5 10 15

Lys Asn Val Lys His Arg Leu Asn Phe Glu Tyr Glu Pro
20 25

<210> 6422
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6422
Ala Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser Arg His Pro Ala
1 5 10 15

Glu Asn Gly Lys Ser Asn Phe Leu Asn Cys Tyr Val Ser Gly Phe His
20 25 30

Pro Ser Asp Ile Glu Val Asp Leu Leu Lys Asn Gly Glu Arg Ile Glu
35 40 45

Lys Val Glu His Ser Asp Leu Ser Phe Ser Lys Asp Trp Leu Ser Ile
50 55 60

Ser Xaa Thr Thr Leu Asn Ser Pro Pro Leu Lys Lys Met Ser Met Pro
65 70 75 80

Ala Xaa Xaa Thr Met
85

<210> 6423
<211> 172
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (159)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6423

```
Pro Gln Ser Lys Val Leu Tyr Ile Thr Ser Asn Pro Met Ser Leu Cys
 1               5                  10                  15

Gln Ala Ser Arg His Gln Pro Asn Val Asn Asp Leu Leu Val His Gly
            20                  25                  30

Met Pro Leu Gln Pro Arg Asn Leu Ser Leu Met Asp Lys Leu Leu Asp
        35                  40                  45

Leu Asp Asp Lys Leu Leu Met Arg Pro Gly Ser Ser Thr Ile Leu Ser
    50                  55                  60

Thr Arg Asn Trp Pro Asn Arg Ala Val Glu Phe Ser Thr Ser Ser Leu
65                  70                  75                  80

Ser Tyr Thr Val Gln Ser Thr Arg Arg Arg Asn Pro Pro Pro Arg Thr
                85                  90                  95

Leu His Pro Ile Ser Thr Xaa His Ser Cys Ala Glu Thr Pro Gly Ser
            100                 105                 110

Val Glu Glu Ile Leu Arg Gly Ala Arg Val Pro Xaa Ala Pro Asp Ser
        115                 120                 125

Leu Ser Phe Ser Leu Thr Asp Ala Pro Glu Leu Lys Leu Ile Cys Tyr
    130                 135                 140

His Leu Leu Gly Thr Ala Glu Val Xaa Thr Cys Asp His Cys Xaa Gly
145                 150                 155                 160

His Arg Asp Lys Met Asn Pro Gln Trp Xaa Leu Xaa
                165                 170
```

<210> 6424
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6424
Phe Gly Thr Ser Ile Glu Val Arg Asn Tyr Ser Arg Leu Lys Pro Gly
1 5 10 15

Tyr Arg Trp Glu Arg Gln Leu Val Phe Arg Ser Lys Leu Thr Met His
20 25 30

Thr Ala Phe Asn Arg Lys Asp Asn Ala His Pro Ala Glu Val Thr Ala
35 40 45

Leu Gly Ile Ser Lys Asp His Ser Arg Ile Leu Val Gly Asp Ser Arg
50 55 60

BNSDOCID: <WO_ 0122920A2_I_>

Gly Arg Val Phe Ser Trp Ser Val Ser Asp Gln Pro Gly Arg Ser Ala
65 70 75 80

Ala Asp His Trp Val Lys Asp Glu Gly Gly Asp Ser Cys Ser Gly Cys
85 90 95

Ser Val Arg Phe Ser Leu Thr Xaa Xaa Arg His His Xaa Arg Asn Xaa
100 105 110

Gly Ser Ala Leu Leu Pro Glu Val His Arg Phe Xaa Ser Glu Xaa Asn
115 120 125

Val

<210> 6425
<211> 118
<212> PRT
<213> Homo sapiens

<400> 6425
Asp Glu Leu Ser Glu Ala Leu Leu Leu Ile Lys Ala Gln Lys Glu Gln
1 5 10 15

Lys Asn Gly Asp Leu Ser Phe Leu Val Lys Val Asp Ser Glu Ile Asn
20 25 30

Lys Asp Leu Glu Arg Ser Met Arg Glu Leu Gln Ala Thr His Ala Glu
35 40 45

Thr Val Gln Glu Leu Glu Lys Thr Arg Asn Met Leu Ile Met Gln His
50 55 60

Lys Ile Asn Lys Asp Tyr Gln Met Glu Val Glu Ala Val Thr Arg Lys
65 70 75 80

Met Glu Asn Leu Gln Gln Asp Tyr Glu Leu Lys Val Glu Gln Tyr Val
85 90 95

His Leu Leu Asp Ile Arg Ala Ala Arg Ile His Lys Leu Glu Glu Ala
100 105 110

Val Ser Leu Gly Ser Ile
115

<210> 6426
<211> 51

BNSDOCID: <WO__0122920A2_I_>

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6426
Glu Arg Gly Gly Xaa Val Asn Leu Leu Lys Leu Val Pro Cys Xaa Tyr
1 5 10 15

Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Val Gln Asp Gly Ala
20 25 30

Thr Gly Ala Gly Leu Ser Ala His Gln Ala Arg Pro Ile Leu Arg Pro
35 40 45

Val Xaa Xaa
50

<210> 6427
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6427

```
Val Ala Leu Leu Ala Leu Leu Cys Ala Ser Ala Ser Gly Asn Ala Ile
  1               5                  10                  15

Gln Ala Arg Ser Ser Ser Tyr Ser Gly Glu Tyr Gly Gly Gly Gly Gly
             20                  25                  30

Lys Xaa Phe Xaa His Ser Gly Asn Gln Leu Asp Gly Pro Ile Thr Ala
         35                  40                  45

Leu Arg Val Arg Val Asn Thr Tyr Tyr Ile Val Gly Leu Gln Val Arg
     50                  55                  60

Tyr Gly Lys Val Trp Ser Asp Tyr Val Gly Gly Arg Asn Gly Asp Leu
 65                  70                  75                  80

Glu Glu Ile Phe Leu Xaa Pro Gly Glu Ser Val Ile Gln Val Ser Gly
                 85                  90                  95

Xaa Tyr Lys Trp Tyr Leu Lys Glu Ala Gly Ile Xaa
            100                 105
```

<210> 6428
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6428
Pro Phe Ser Val Pro Gln Pro Leu Ala Met Pro Phe Arg Pro Gly Leu
1 5 10 15

Pro Pro Ile Val Glu Ser Met Xaa Val Val Val Glu Thr Ile Leu Ser
20 25 30

Phe Trp Gln Pro Val Gly Arg Pro Ile Thr Ala Leu Arg Val Arg Xaa
35 40 45

Asn Thr Tyr Tyr Ile Xaa Gly Leu Gln Val Ala Tyr Gly Gln Gly Xaa
50 55 60

Glu Xaa Thr Ile Xaa Val Cys Ser Pro Thr Gly Lys Pro Gly Xaa Lys
65 70 75 80

Ile Phe Ser Cys Pro Pro Trp Gly Asn
85

<210> 6429
<211> 181
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6429
Phe Phe Ser Ile Met Phe Thr Pro Leu Asp Arg Tyr Xaa Asp Arg Asn
1 5 10 15

Met Gln Ile Asn Arg His Gln Tyr Cys Ala Leu Lys Ala Met Ser Ala
20 25 30

Val Leu Cys Cys Gly Pro Val Ala Asp Asn Val Gly Leu Ser Ser Asp
35 40 45

Gly Tyr Leu Tyr Lys Trp Leu Asp Asn Ile Leu Asp Ser Leu Asp Lys
50 55 60

Lys Val His Gln Leu Gly Cys Glu Ala Val Thr Leu Leu Leu Glu Leu
65 70 75 80

Asn Pro Asp Gln Ser Asn Leu Met Tyr Trp Ala Val Asp Arg Cys Tyr
85 90 95

Thr Gly Ser Gly Arg Val Ala Ala Gly Cys Phe Lys Ala Ile Ala Asn
100 105 110

Val Phe Gln Asn Arg Asp Tyr Gln Cys Asp Thr Val Met Leu Leu Asn
115 120 125

Leu Ile Leu Xaa Lys Ala Ala Asp Ser Ser Arg Ser Ile Tyr Glu Val
130 135 140

Ala Met Gln Leu Leu Gln Ile Leu Glu Pro Lys Met Phe Arg Tyr Ala
145 150 155 160

His Lys Leu Xaa Val Gln Arg Thr Glu Trp Arg Thr His Pro Val Xaa
165 170 175

Pro Xaa His Asn Xaa
180

<210> 6430
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6430
Gly Arg Val Xaa Gly Arg Val Gly Gly Ala Val Phe Gln Ile Tyr Ile
1 5 10 15

Ile Lys Asp Leu Glu Lys Leu Leu Met Ile Ala Gly Glu Glu Arg Ala
20 25 30

Leu Cys Leu Val Asp Val Lys Lys Val Lys Gln Ser Leu Ala Gln Ser
35 40 45

His Leu Pro Ala Gln Pro Asp Ile Ser Pro Asn Ile Phe Glu Ala Val
50 55 60

Lys Gly Cys His Leu Phe Gly Ala Gly Gln Glu Leu Arg Thr
65 70 75

<210> 6431
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6431
Gly Phe Cys Arg Ser Ser Thr Leu Xaa Gln His Xaa Arg Val His Xaa
1 5 10 15

Gly Glu Arg Pro Tyr Lys Cys Asp Asp Cys Xaa Lys Ala Xaa Ser Xaa
20 25 30

Ser Ser Asp Leu Ile Arg His Gln Xaa Thr His Xaa Xaa Asp Xaa Xaa
35 40 45

Xaa Pro Gly Ala Pro Ala Trp Val Xaa Gly Val Gly Arg Arg
50 55 60

<210> 6432
<211> 72
<212> PRT
<213> Homo sapiens

<400> 6432
Glu Leu Arg Cys Ser Leu Gln Leu Ala Glu Thr Glu Arg Glu Gly Gly
1 5 10 15

Phe Ser Pro His Ile Ser Pro Phe Thr Ala Val Asn Asp Leu Gly His
20 25 30

Leu Leu Gly Arg Ala Gly Phe Asn Thr Leu Thr Val Asp Thr Asp Glu
35 40 45

Ile Gln Val Asn Tyr Pro Gly Met Phe Glu Leu Met Glu Asp Leu Gln
50 55 60

Glu Gln Lys Ser Arg Met Leu Thr
65 70

<210> 6433
<211> 151
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6433
Xaa Xaa Lys Leu Pro Xaa Glu Gly Pro Leu Gly Arg Leu Xaa Val Pro
1 5 10 15

Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Arg Val Arg Pro
20 25 30

Arg Val Arg Glu Phe Arg Lys Ala Lys Ala Ser Ser Thr Gly Ser Phe
35 40 45

Thr Ala Pro Asp Pro Gly Leu Lys Arg Lys Ser Pro Pro Glu Ala Leu
50 55 60

Ser Gly Ser Leu Pro Pro Ala Thr Thr Cys Pro Ala Ser Ser Thr Pro
65 70 75 80

Ala Pro Thr Ile Ile Pro Ala Pro Ala Ala Pro Gly Lys Pro Ala Ser
85 90 95

Ala Ala Thr Val Lys Arg Lys Arg Lys Ser Arg Trp Gly Pro Glu Glu
100 105 110

Asp Lys Val Glu Leu Pro Pro Ala Glu Leu Val Gln Arg Asp Val Asp
115 120 125

Ala Ser Pro Ser Pro Xaa Gln Xaa Arg Thr Ser Arg Gly Ser Xaa Met
130 135 140

Arg Arg Gly Ser Leu Trp Xaa
145 150

<210> 6434
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6434
Asp Xaa Ser Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser
1 5 10 15

Ala Asp Ala Cys Phe Ala Phe Tyr Ala Tyr His Tyr Arg Phe Asn Gly
20 25 30

Gln Tyr Ser Ser Leu Ala Leu Val Thr Tyr Trp Leu Phe Ile Gln Val
35 40 45

Arg Pro Gly Arg Gln Ala Gly Gly Arg Pro Ala Val Pro Phe Gln Ala
50 55 60

Gly Glu Ala Ala Ala Gly Glu Asp Ala Leu Trp Gly Arg Pro Lys Arg
65 70 75 80

Ala Glu Val Ala Trp Met Val Pro Xaa Gly Leu Xaa Ser Xaa Ser Ser
85 90 95

Gly Trp Val Val Lys Gly Gly Pro
100

<210> 6435
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6435
Gly Thr Ser Ala Cys Gly Ala Gly Gly Gly Ala Pro Arg Gly Ser Ala
1 5 10 15

Val Phe Arg Ala Ala Gly Leu Asp Gly Ala Leu Gly Lys Ala Leu Lys
20 25 30

Glu Gln Lys Tyr Asp Arg Gln Leu Arg Leu Trp Gly Asp His Gly Gln
35 40 45

```
Glu Ala Leu Glu Ser Ala His Val Cys Leu Ile Asn Ala Thr Ala Thr
  50                  55                  60

Gly Thr Glu Ile Leu Lys Asn Leu Val Leu Pro Gly Ile Gly Ser Phe
 65                  70                  75                  80

Thr Ile Xaa
```

<210> 6436
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6436

```
Thr Ser Ser Ala Lys Asp Val Pro Ala Gly Ser Leu Arg Thr Ala Leu
  1               5                  10                  15

Asn Glu Leu Lys Arg Leu Ile Xaa Ser Ile
             20                  25
```

<210> 6437
<211> 91
<212> PRT
<213> Homo sapiens

<400> 6437

```
His Gly Ala Gly Asn Glu Ala Glu Thr Pro Pro Ala Pro Lys Leu His
  1               5                  10                  15

Trp Asp Pro Leu Pro Gly Leu Asp Glu Pro Gly Arg Gly Gln His Ser
             20                  25                  30

Gly Ser Leu Gly Thr Gly Gln Leu Pro Leu Pro Leu Leu Ser Ala Arg
         35                  40                  45

Pro Asp Gly Ala Arg Glu Arg Arg Trp Pro Arg Gln Pro Ala Ser Thr
     50                  55                  60

Ser Glu Pro Gly Ser Pro Ser Pro Arg Thr Cys Ala Pro Phe Thr Arg
 65                  70                  75                  80
```

Thr Gln Asn Ile Leu Lys Cys Tyr Cys Ile Pro
85 90

<210> 6438
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6438
Xaa Leu Met Lys Asp Gln Phe Tyr Ala Gln Ser Ser Ala Ser Gln Arg
1 5 10 15

Arg Leu Pro Cys Leu Ala Val Gly Gly Ser Gly Tyr Ala Pro Glu Gln
20 25 30

Leu Ser Gly Phe Trp Leu Ser Trp Cys Pro Arg Gly Thr Gly Ser Leu
35 40 45

Leu Ser Gly Gly Trp Gly Phe Met Pro Arg Asp Asp Arg Leu Gly Cys
50 55 60

Gly Val Ala Gly Ala Gln Thr Gln Met Pro Val Ala Gly Gly Pro Gln
65 70 75 80

Ser Gly Leu Gly Leu Pro Ser Gly Pro Phe Pro Gln Leu His Cys Cys
85 90 95

Pro Arg Glu Pro Arg Ser Pro Gly Val Lys Asp Arg Gly Gly Arg Gly
100 105 110

Gln Ala

<210> 6439
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6439
Thr Thr Xaa Xaa Thr Leu Xaa Ala Ser Pro Ser Arg Gly Arg Leu Xaa
1 5 10 15

Gly Val Gln Gly Thr Cys Leu Gly Arg Cys Glu Ser Pro Leu Pro Ser
20 25 30

His Pro Cys Pro Asn Arg Trp Ser Cys Cys Leu Glu Ser Glu Glu Leu
35 40 45

Trp Cys Pro Cys Phe Gly Pro Gly Pro Ala Pro Ala Ser Asp Arg Pro
50 55 60

<210> 6440
<211> 81
<212> PRT
<213> Homo sapiens

<400> 6440
Gly Leu Gly Leu Lys His Leu Trp Lys Pro Ala Val Glu Ala Tyr Gly
1 5 10 15

Glu Phe Leu Cys Met Phe Glu Glu Asn Tyr Pro Glu Thr Leu Lys Arg
20 25 30

Leu Phe Val Val Lys Ala Pro Lys Leu Phe Pro Val Ala Tyr Asn Leu
35 40 45

Ile Lys Pro Phe Leu Ser Glu Asp Thr Arg Lys Lys Ile Met Val Leu
50 55 60

Gly Gly Gly Ser Leu Cys Gln Met Glu Arg Met Leu Val Leu Gly Phe
65 70 75 80

Ser

<210> 6441
<211> 117
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6441
Ala Thr Leu Asp Arg Lys Val Pro Ser Pro Glu Ala Phe Leu Gly Lys
1 5 10 15

Pro Xaa Ser Ser Trp Xaa Asp Xaa Ala Lys Leu His Cys Ser Asp Asn
20 25 30

Val Asp Leu Glu Glu Ala Gly Lys Glu Gly Gly Lys Ser Arg Glu Val
35 40 45

Met Arg Leu Asn Lys Glu Asp Met His Leu Phe Gly His Tyr Pro Ala
50 55 60

His Asp Asp Phe Tyr Leu Val Val Cys Ser Ala Cys Asn Gln Val Val
65 70 75 80

Lys Pro Gln Val Phe Gln Ser His Cys Ala Gly Pro Ala Thr Val Pro
85 90 95

Pro Ser Gly Ser Ser Phe Ser Phe Ser Asp Ser Trp Ala Arg Cys Val
100 105 110

BNSDOCID: <WO__0122920A2_I_>

His Leu Ala Pro Cys
115

<210> 6442
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6442

```
Val Lys Ser Gly Xaa Tyr Val Val Ile Glu Val Lys Val Ala Xaa Xaa
  1               5                  10                  15

Tyr Gly Ile Xaa Ile Thr Cys Xaa Xaa Tyr Leu Met Thr Xaa Tyr Gln
             20                  25                  30

Xaa Ala Pro Pro Ser Pro Gln Tyr Arg Xaa Ile Ile Cys Met Gly Ala
         35                  40                  45

Xaa Xaa Asn Gly Leu Pro Leu Xaa Tyr Gln Xaa Xaa Leu Xaa Ala Leu
     50                  55                  60
```

Xaa Pro Asn Asp Tyr Thr
65 70

<210> 6443
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6443
Leu Phe Lys Met Gln Ile Val Ala Cys Gly Glu Gly Pro Gly Leu Ser
1 5 10 15

Arg Glu Arg Xaa Gly Xaa Xaa Phe Ser Gln Pro Gly Arg Ser Xaa Xaa
20 25 30

Gly Ala Phe Xaa Met Cys Lys Gly Gly Val Gln Ala Pro Gly Gly Val
35 40 45

Leu Ala Val Ser Phe Phe Leu Xaa Gly Asp Gly Xaa Gly Val Arg Xaa
50 55 60

Gly Ala Asp Ala Leu Ala Cys Glu Xaa Glu Leu Glu Lys Cys Arg Cys
65 70 75 80

<210> 6444
<211> 129
<212> PRT
<213> Homo sapiens

<400> 6444
Lys Glu Leu Glu Leu Tyr Lys Glu Glu Leu Gln Thr Lys Pro Ala Leu
1 5 10 15

Leu Ala Val Asn Lys Met Asp Leu Pro Asp Ala Gln Asp Lys Phe His
20 25 30

Glu Leu Met Ser Gln Leu Gln Asn Pro Lys Asp Phe Leu His Leu Phe
35 40 45

Glu Lys Asn Met Ile Pro Glu Arg Thr Val Glu Phe Gln His Ile Ile
50 55 60

Pro Ile Ser Ala Val Thr Gly Glu Gly Ile Glu Glu Leu Lys Asn Cys
65 70 75 80

```
Ile Arg Lys Ser Leu Asp Glu Gln Ala Asn Gln Glu Asn Asp Ala Leu
                 85                  90                  95

His Lys Lys Gln Leu Leu Asn Leu Trp Ile Ser Asp Thr Met Ser Ser
            100                 105                 110

Thr Glu Pro Pro Ser Lys His Ala Val Thr Thr Ser Lys Met Asp Ile
        115                 120                 125

Ile
```

<210> 6445
<211> 135
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6445
Leu Arg Gln Ala Leu Ile Arg Leu Thr Ile Xaa Xaa Xaa Trp Tyr Ala
1 5 10 15

Cys Arg Tyr Arg Ala Gly Ile Xaa Gly Ser Thr His Ala Ser Ala Gly
20 25 30

Glu Arg Pro Phe Glu Cys Ile Glu Cys Gly Lys Ala Phe Ser Asn Gly
35 40 45

Ser Xaa Leu Ala Gln His Gln Arg Ile His Thr Gly Glu Lys Pro Xaa
50 55 60

Val Xaa Asn Val Xaa Xaa Lys Ala Phe Ser His Arg Gly Tyr Leu Ile
65 70 75 80

Val His Gln Arg Ile His Thr Gly Glu Arg Pro Tyr Glu Cys Lys Glu
85 90 95

Cys Xaa Lys Ala Phe Xaa Gln Tyr Ala His Leu Ala Gln His Gln Arg
100 105 110

Val His Thr Gly Glu Xaa Pro Tyr Glu Cys Lys Val Leu Xaa Glu Ser
115 120 125

Leu Gln Xaa Asn Cys Ile Pro
130 135

<210> 6446
<211> 138
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6446

Lys Trp Leu Pro Pro Lys Phe Pro Xaa Lys Arg Xaa Gly Xaa Leu Ile
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ile Xaa Xaa Pro Xaa Xaa Xaa Xaa Tyr
20 25 30

Gly Xaa Ala Trp Xaa Xaa Pro Xaa Trp Asn Xaa Pro Xaa Phe Cys Pro
35 40 45

Xaa Ile Asn Val Leu Leu Ala Xaa Asn Leu Ser Pro Arg Pro Leu Pro
50 55 60

Arg Lys Val Pro Pro Xaa Xaa Val Gly Gly Asn Leu Val Ala Ile Leu
65 70 75 80

Thr Ala Ala Asn Leu Lys Ser Val Asn Leu Val Ala Asn Phe Asn Thr
85 90 95

Leu Phe Val Leu Val Gln Ile Ser Ile Met Val Val Phe Ile Phe Leu
100 105 110

Val Val Gln Gly Leu His Lys Xaa Xaa Xaa Leu Ala Pro Ser Gly Xaa
115 120 125

Phe Ser Arg Leu Ser Ala Arg Thr Arg Thr
130 135

<210> 6447

BNSDOCID: <WO 0122920A2 I >

<211> 197
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (189)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (190)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (193)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (194)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6447
Ala Asp Ala Trp Val Leu Val Val Phe Lys Ala Pro Arg Ala Asp Ser
1 5 10 15

His Gly Pro Gly Cys Arg Pro Pro Leu Cys Pro Gly Leu Val Ala Tyr
20 25 30

Val Asp Leu Asp Glu Arg Ala Ile Asp Ala Leu Arg Glu Phe Asn Glu
35 40 45

Glu Gly Ala Leu Ser Val Leu Gln Gln Phe Lys Glu Ser Asp Leu Ser
50 55 60

His Val Gln Asn Lys Ser Ala Phe Leu Cys Gly Val Met Lys Thr Tyr
65 70 75 80

Arg Gln Arg Glu Lys Gln Gly Ser Lys Val Gln Glu Ser Thr Lys Gly
85 90 95

Pro Asp Glu Ala Lys Ile Lys Ala Leu Leu Glu Arg Thr Gly Tyr Thr
100 105 110

Leu Asp Val Thr Thr Gly Gln Arg Lys Tyr Gly Gly Pro Ser Pro Asp
115 120 125

Ser Val Tyr Ser Gly Val Gln Pro Gly Ile Gly Thr Xaa Val Phe Val
130 135 140

Gly Lys Ile Pro Arg Asp Leu Tyr Glu Asp Glu Leu Val Pro Leu Phe
145 150 155 160

Glu Xaa Ala Xaa Pro Ile Trp Asp Leu Arg Leu Met Met Asp Pro Leu
165 170 175

Ser Gly Arg Ile Xaa Gly Met His Leu Ser Pro Ser Xaa Xaa Lys Glu
180 185 190

Xaa Xaa Arg Lys Pro
195

<210> 6448
<211> 65
<212> PRT
<213> Homo sapiens

<400> 6448
Tyr Thr Leu Leu Glu Leu Glu Leu Pro Arg Leu Leu Ala Pro Asp Leu
1 5 10 15

Pro Ser Asn Gly Ser Ser Leu Lys Asp Leu Lys Trp Thr His Ser Asn
20 25 30

Tyr Arg Ala Ser Lys Glu Ser Cys Ile Val Ile Phe Arg His Tyr Leu
35 40 45

Pro Gly Ser Gly Val Gly Asn Leu Arg Ala Cys Cys Leu Pro Trp Met

BNSDOCID: <WO_ 0122920A2 I >

50 55 60

Trp
65

<210> 6449
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6449
Ile Trp His Glu Ala Thr Pro Thr Gly Gly Gly Xaa Met Ala Arg Thr
1 5 10 15

Trp Lys Pro Thr Leu Val Ile Leu Xaa Ile Lys Arg Ala Gly Arg Cys
20 25 30

Xaa Arg Trp Xaa Pro Asn Glu Asn Lys Val Ala Val Gly Asn Gly Ser
35 40 45

Xaa Glu Xaa Ser Ile Trp Tyr Phe Gln Gln Gly Glu
50 55 60

<210> 6450
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6450
Asp Phe Xaa Gln Met Leu Gln Glu Ile Gln Glu Val Lys Thr Pro Glu
1 5 10 15

Glu Leu Glu Thr Phe Met Leu Lys His Gly Glu Asn Ile Ile Asp Thr
20 25 30

Leu Gly Ala Glu Val Asp Arg Leu Glu Lys Glu Leu Lys Val Arg Cys
35 40 45

Ile His Lys Asn Asn Ile Met Ile Met Ala Ala Ile Phe Leu Ser Thr
50 55 60

Tyr Ser Thr Ala Asp Thr Lys Cys Ile His His Met His Ala Leu Thr
65 70 75 80

His Ser

<210> 6451
<211> 164
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6451
Xaa His His Leu Tyr Arg Ala Tyr Ser Phe Xaa Met Gly Cys Trp Pro
1 5 10 15

Lys Asn Gly Leu Leu Xaa Met Asn Lys Gly Leu Ser Leu Gln His Ile
20 25 30

Gly Arg Pro His Thr Gly Ile Asp Asp Cys Lys Lys His Cys Xaa His
35 40 45

His Glu Xaa Thr Arg Leu Ser Arg Leu His Leu Gln Ala Asp Ile Xaa
50 55 60

Xaa Val Leu Ile Gly Pro Arg Gln Asp Gly Ala Arg Gln Gly Xaa Cys
65 70 75 80

Leu Ala His Pro Lys Ser Ser Ser Pro Ser Pro Xaa Gly Lys Lys Glu
85 90 95

Asn Gly Ile Leu Cys Val Gln Asn Val Pro Xaa Ala Cys Xaa Leu Cys
100 105 110

Pro Trp Arg Trp Leu Phe Pro Cys Lys Gly Xaa Ala Leu Gly Pro Ser
115 120 125

Gly Thr Lys Leu Phe Ser Pro His Pro Thr Leu Ile Ser Pro Ser Ile
130 135 140

Thr Pro Pro Leu Arg Ala Gly Leu Gly Glu Pro Gly Ser Pro Leu Ser
145 150 155 160

Leu Phe Thr Gly

<210> 6452
<211> 107
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6452
Val Val Ser Lys Val Cys Val Trp Pro Gly Val His Pro Leu Pro Ser
1 5 10 15

Ser Pro Ala Pro Glu His Ser Cys Ser Ala Arg Pro His Ser Ser Ala

```
            20                  25                  30

Leu Leu Pro Ile Pro Thr Arg Arg Arg Cys Pro Gly Pro Val Cys Ala
        35                  40                  45

Ala His Val Asp Trp Glu Gly Arg Ala Gly Ala Gly Leu Gly Ala Arg
    50                  55                  60

Ala Xaa Ala Val Phe Ser Phe Leu His Ser Arg Arg Ala Gly Gly Trp
65                  70                  75                  80

Gly Cys Phe Pro Ala Arg Pro Gln Gly Gln Ala Pro Trp Gly Phe Ile
                85                  90                  95

Arg Gly Leu Glu Gly Trp Gly Gln Lys Gln Ala
            100                 105
```

<210> 6453
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6453
Glu Gly Lys Gly Leu Glu Gly Pro Leu Asp Leu Ile Asn Tyr Ile Asp
1 5 10 15

Val Ala Gln Gln Asp Gly Lys Leu Pro Phe Val Pro Pro Glu Glu Glu
20 25 30

Phe Ile Met Gly Val Ser Lys Tyr Gly Ile Lys Val Ser Thr Ser Asp
35 40 45

Gln Tyr Asp Val Leu His Arg His Ala Leu Tyr Leu Ile Ile Arg Met
50 55 60

Val Cys Tyr Asp Asp Gly Leu Gly Ala Gly Lys Ser Leu Leu Ala Leu
65 70 75 80

Lys Thr Thr Asp Ala Ser Xaa Glu Glu Tyr Arg Leu Trp Val Tyr Xaa
85 90 95

Val Gln Xaa Xaa Gly Thr Xaa Thr Ser His Leu Xaa Gly Xaa Ile His
100 105 110

Arg Phe

<210> 6454
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6454
Leu Leu Gly Pro Gly Lys Pro Trp Ser Pro Ser Pro Gln Pro Pro Pro
1 5 10 15

Arg Ala His Arg Ser Ser Pro Trp Ala Pro Ser Ser Lys Ser Thr Ser
20 25 30

Gly Gly Thr Arg Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu
35 40 45

Pro Val Arg Phe Leu Gly Asn Ser Gly Ala Leu Thr Ser Gly Val Ser
50 55 60

His Leu Pro Gly Cys Ser Tyr Ser Pro Gln Xaa Ser Thr Pro Ser Xaa
65 70 75 80

Xaa Xaa Leu Thr Val Pro Ser Gln Lys Leu Gly Asp Gln Lys Leu
85 90 95

<210> 6455
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6455
Ala Pro Phe Arg Gly Pro Lys Asp Arg Ala Arg Lys Leu Ala Glu Val
1 5 10 15

Gly Ser His Glu Lys Val Gly Gln Xaa Pro Cys Cys Val Arg Leu Glu
20 25 30

```
Gln Ala Trp Glu Glu Gly Gly Ile Leu Tyr Leu Gln Thr Glu Leu Cys
         35                  40                  45

Gly Pro Ser Leu Gln Gln His Cys Glu Ala Trp Gly Ala Ser Leu Pro
     50                  55                  60

Glu Ala Gln Val Trp Gly Tyr Leu Arg Asp Thr Leu Leu Ala Leu Ala
 65                  70                  75                  80

His Leu His Ser Gln Gly Leu Val His Leu Asp Xaa Gln Ala Cys Gln
                 85                  90                  95

His Leu Pro Gly Ala Pro Gly Pro Leu Gln Ala Gly
            100                 105
```

<210> 6456
<211> 21
<212> PRT
<213> Homo sapiens

<400> 6456

```
Gly Gly Leu Asn Gln Thr Gln Leu Arg Lys Ile Leu Ala Tyr Ser Ser
  1               5                  10                  15

Ile Thr His Ile Gly
            20
```

<210> 6457
<211> 128
<212> PRT
<213> Homo sapiens

<400> 6457

```
Arg Arg Ala Met Ala Asp Glu Glu Leu Glu Ala Leu Arg Arg Gln Arg
  1               5                  10                  15

Leu Ala Glu Leu Gln Ala Lys His Gly Asp Pro Gly Asp Ala Ala Gln
            20                  25                  30

Gln Glu Ala Lys His Arg Glu Ala Glu Met Arg Asn Ser Ile Leu Ala
         35                  40                  45

Gln Val Leu Asp Gln Ser Ala Arg Ala Arg Leu Ser Asn Leu Ala Leu
     50                  55                  60

Val Lys Pro Glu Lys Thr Lys Ala Val Glu Asn Tyr Leu Ile Gln Met
```

65 70 75 80

Ala Arg Tyr Gly Gln Leu Ser Glu Lys Val Ser Glu Gln Gly Leu Ile
85 90 95

Glu Ile Leu Lys Lys Val Ser Gln Gln Thr Glu Lys Thr Thr Thr Val
100 105 110

Lys Val Ser Val Pro Arg Cys Leu Trp Gln Met Lys Arg Trp Ile Leu
115 120 125

<210> 6458
<211> 163
<212> PRT
<213> Homo sapiens

<400> 6458
Glu Val Thr Thr Phe Gln Leu Ala Val Leu Phe Ala Trp Asn Gln Arg
1 5 10 15

Pro Arg Glu Lys Ile Ser Phe Glu Asn Leu Lys Leu Ala Thr Glu Leu
20 25 30

Pro Asp Ala Glu Leu Arg Arg Thr Leu Trp Ser Leu Val Ala Phe Pro
35 40 45

Lys Leu Lys Arg Gln Val Leu Leu Tyr Glu Pro Gln Val Asn Ser Pro
50 55 60

Lys Asp Phe Thr Glu Gly Thr Leu Phe Ser Val Asn Gln Glu Phe Ser
65 70 75 80

Leu Ile Lys Asn Ala Lys Val Gln Lys Arg Gly Lys Ile Asn Leu Ile
85 90 95

Gly Arg Leu Gln Leu Thr Thr Glu Arg Met Arg Glu Glu Glu Asn Glu
100 105 110

Gly Ile Val Gln Leu Arg Ile Leu Arg Thr Gln Glu Ala Ile Ile Gln
115 120 125

Ile Met Lys Met Arg Lys Lys Ile Ser Asn Ala Gln Leu Gln Thr Glu
130 135 140

Leu Val Glu Ile Leu Lys Asn Met Phe Leu Pro Gln Lys Glu Met Ile
145 150 155 160

Lys Val Gln

<210> 6459
<211> 175
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (148)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6459

```
Asp Asp Arg Leu Arg Glu Glu Arg Ala His Ala Leu Lys Thr Lys Glu
  1               5                  10                  15

Lys Leu Ala Gln Thr Ala Thr Ala Ser Ser Ala Ala Val Gly Ser Gly
             20                  25                  30

Pro Pro Pro Glu Ala Glu Gln Ala Trp Pro Gln Ser Ser Gly Glu Glu
         35                  40                  45

Glu Leu Gln Leu Gln Leu Ala Leu Ala Met Ser Lys Glu Glu Ala Asp
     50                  55                  60

Gln Pro Pro Ser Cys Gly Pro Glu Asp Asp Ala Gln Leu Gln Leu Ala
 65                  70                  75                  80

Leu Ser Leu Ser Arg Glu Glu His Asp Lys Glu Glu Arg Ile Arg Arg
                 85                  90                  95

Gly Asp Asp Leu Arg Leu Gln Met Ala Ile Glu Glu Ser Lys Arg Glu
            100                 105                 110

Thr Gly Gly Lys Glu Glu Ser Ser Leu Met Asp Leu Ala Asp Val Phe
        115                 120                 125
```

```
Thr Gly Pro Ala Ser Ala Arg Pro Gln Thr Pro Gly Gly Ala His Thr
    130                 135                 140

His Gly Leu Xaa Pro Ser His Gly Leu Pro Asn Leu Asp Pro Trp Gly
145                 150                 155                 160

Gly Pro Pro Val Pro Ser Xaa Ala Xaa Ser Pro Gly Glu Gly Ser
                165                 170                 175
```

<210> 6460
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6460

```
Ala Xaa Ala Ser Asp Leu Asn Asp Ile Tyr Glu Glu Glu Pro Phe Asn
  1               5                  10                  15

Phe Gln Met Val Tyr Asn Glu Phe Gln Lys Phe Val Gln Arg Lys Ala
            20                  25                  30

His Ser Val Tyr Asn Phe Glu Lys Pro Val Val Met Lys Ala Phe Glu
        35                  40                  45

His Leu Gln Gln Leu Glu Leu Ile Lys Pro Met Glu Arg Thr Ser Gly
    50                  55                  60

Asn Ser Gln Arg Glu Ser Ser
65                  70
```

<210> 6461
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2 I_>

<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6461
Leu Val Pro Asn Ser Ala Arg Val Trp Thr Asn Pro Gln Ile Lys Leu
1 5 10 15

Ser Leu Thr Glu Lys Asp Glu Gly Gln Glu Glu Cys Ser Phe Leu Val
20 25 30

Ala Leu Met Gln Lys Asp Arg Arg Lys Leu Lys Arg Phe Gly Ala Asn
35 40 45

Val Leu Thr Ile Gly Tyr Ala Ile Tyr Asn Cys Pro Asn Lys Asn Lys
50 55 60

Xaa Xaa Asn Lys Asn Pro Pro Asn Pro Xaa Ser Leu
65 70 75

<210> 6462
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6462
Xaa Thr Thr Xaa Xaa Gly Lys Ala Gly Thr Pro Ala Gly Thr Gly Pro
1 5 10 15

Glu Phe Pro Gly Arg Pro Thr Arg Pro Lys Ala Leu Lys Arg Gly Ser
20 25 30

Leu Leu Gly Cys Phe Ile Asp Thr Arg Ser Ala Ala Glu Ser Glu Ala
35 40 45

Arg Thr Pro Phe Gly Leu Ile Lys Gly His Ala Tyr Ser Val Thr Gly
50 55 60

Ile Asp Gln Val Ser Phe Arg Gly Gln Arg Ile Glu Leu Ile Arg Ile
65 70 75 80

Arg Asn Pro Trp Gly Gln Val Glu Trp Asn Gly Ser Trp Ser Asp Ser
85 90 95

Ser Pro Glu Trp Arg Ser Val Val Gln Leu Ser Xaa Ser Val Cys Val
100 105 110

Thr Leu Xaa Trp Met Met Gly Asn Ser Gly Trp His Leu Arg Thr
115 120 125

<210> 6463
<211> 152
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6463
Val Leu Thr Leu Gln Gly Asp Ala Leu Ser Gln Ala Asp Val Asn Leu
1 5 10 15

```
Lys Met Pro Arg Asn Asn Gln Leu Leu His Phe Ala Phe Arg Glu Asp
            20                  25                  30

Lys Gln Trp Lys Leu Gln Gln Ile Gln Asp Ala Arg Asn His Val Ser
        35                  40                  45

Gln Ala Ile Tyr Leu Leu Thr Ser Arg Asp Gln Ser Tyr Gln Phe Lys
    50                  55                  60

Thr Gly Ala Glu Val Leu Lys Leu Met Asp Ala Val Met Leu Gln Leu
65                  70                  75                  80

Thr Arg Ala Arg Asn Arg Leu Thr Thr Pro Ala Thr Leu Thr Leu Pro
                85                  90                  95

Glu Ile Ala Ala Ser Gly Leu Thr Arg Met Phe Ala Pro Ala Leu Pro
            100                 105                 110

Ser Asp Leu Leu Val Asn Val Tyr Ile Asn Leu Asn Lys Leu Cys Leu
        115                 120                 125

Thr Val Tyr Gln Leu Xaa Ala Leu Gln Pro Asn Phe Thr Lys Asn Phe
    130                 135                 140

Ala Xaa Trp Gly Arg Gly Ala Ala
145                 150
```

<210> 6464
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2_I_>

<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6464
Ser Arg Arg Xaa Met Ala Val Leu Ser Xaa Glu Tyr Gly Phe Val Leu
1 5 10 15

Leu Thr Gly Ala Ala Ser Phe Xaa Met Val Xaa Xaa Leu Ala Xaa Asn
20 25 30

Val Ser Lys Ala Arg Lys Lys Tyr Lys Xaa Glu Trp Thr Leu Pro Leu
35 40 45

Xaa Phe Ser His Thr Gln Phe Leu Phe Phe Tyr
50 55

<210> 6465
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6465
Ala His Ala Ser Xaa Leu Pro Ser Leu Arg Pro Glu Ala Ala Xaa Gln
1 5 10 15

Leu Leu Arg Ser Xaa Pro Lys Val Cys Val Thr Val Leu Pro Pro Asp
20 25 30

Glu Ser Gly Arg Pro Arg Arg Ser Phe Ser Glu Leu Tyr Thr Leu Ser
35 40 45

Leu Gln Xaa Pro Ser Xaa Arg Gly Ala Pro Asp Xaa Val Gln Asp Glu
50 55 60

Val Xaa Gly Val Thr Leu Leu Ser Thr Xaa Xaa Gln Xaa Leu His Leu
65 70 75 80

Cys Leu Gln Asp Gly Gly Lys Ser Ser Xaa Ala Trp Xaa Ser Gly Xaa
85 90 95

Gly Xaa Asp

<210> 6466
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6466
Pro Thr Arg Xaa Glu Pro Gln Lys Val Ser Thr Leu Gly Lys Ser Asn
1 5 10 15

Val Ile Val Thr Gly Ala Asn Phe Thr Arg Ala Ser Asn Ile Thr Met
20 25 30

Ile Leu Lys Gly Thr Ser Thr Cys Asp Lys Asp Val
35 40

<210> 6467
<211> 177
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (157)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (168)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6467

Gly	Xaa	Thr	Thr	Xaa	His	Tyr	Arg	Glu	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr
1				5				10						15	
Arg	Ser	Gly	Ile	Pro	Gly	Ser	Thr	His	Ala	Ser	Ala	Asp	Ala	Trp	Val
			20					25					30		
Gly	Met	Gln	Leu	Asp	Arg	Ala	Ser	Ser	Ser	Leu	Tyr	Val	Ala	Phe	Ser
		35					40					45			
Thr	Cys	Val	Ile	Lys	Val	Pro	Leu	Gly	Arg	Cys	Glu	Arg	His	Gly	Lys
	50					55					60				
Cys	Lys	Lys	Thr	Cys	Ile	Ala	Xaa	Arg	Asp	Pro	Tyr	Cys	Gly	Trp	Ile
65					70					75					80
Lys	Glu	Gly	Gly	Ala	Cys	Ser	His	Xaa	Ser	Pro	Asn	Ser	Arg	Leu	Thr
				85					90					95	
Phe	Glu	Gln	Asp	Ile	Glu	His	Gly	Asn	Thr	Asp	Gly	Leu	Gly	Asp	Cys
			100					105					110		
His	Asn	Xaa	Phe	Val	Ala	Leu	Asn	Gly	His	Ser	Ser	Xaa	Leu	Leu	Pro
		115					120					125			
Ser	Thr	Thr	Thr	Ser	Asp	Ser	Thr	Ala	Gln	Glu	Gly	Tyr	Glu	Thr	Xaa
	130					135					140				
Gly	Gly	Met	Leu	Asp	Trp	Lys	His	Xaa	Xaa	Asp	Ser	Xaa	Asp	Ser	Thr
145					150					155					160

Asp Pro Leu Gly Ala Arg Xaa Xaa His Asn His Gln Arg Gln Glu Gly
165 170 175

Ser

<210> 6468
<211> 99
<212> PRT
<213> Homo sapiens

<400> 6468
Met Gly Ala Val Gln Gln Phe Asn Leu Asp Val Ile Gln Cys Glu Leu
1 5 10 15

Phe Ala Ser Ser Glu Pro Val Pro Gly Phe Gln Gly Asp Thr Leu Gln
20 25 30

Leu Ala Phe Ile Asp Leu Arg Gln Leu Leu Asp Leu Phe Met Val Trp
35 40 45

Asp Trp Ser Thr Tyr Leu Ala Asp Tyr Gly Gln Pro Ala Ser Lys Tyr
50 55 60

Leu Arg Val Asn Pro Asn Thr Ala Leu Thr Leu Leu Glu Lys Met Lys
65 70 75 80

Asp Thr Ser Lys Lys Asn Asn Ile Phe Ala Gln Phe Arg Lys Asn Asp
85 90 95

Arg Asp Lys

<210> 6469
<211> 30
<212> PRT
<213> Homo sapiens

<400> 6469
Ile Gln Val Ser Val Leu Thr Asp Gln Val Glu Ala Gln Gly Glu Lys
1 5 10 15

Ile Arg Asp Leu Glu Phe Cys Leu Lys Ser Thr Glu Arg Ser
20 25 30

<210> 6470
<211> 116
<212> PRT
<213> Homo sapiens

<400> 6470
Lys Leu Pro Leu Lys Ala Lys Met Gly Lys Glu Lys Thr His Ile Asn
1 5 10 15

Ile Val Val Ile Gly His Val Asp Ser Gly Lys Ser Thr Thr Thr Gly
20 25 30

His Leu Ile Tyr Lys Cys Gly Gly Ile Asp Lys Arg Thr Ile Glu Lys
35 40 45

Phe Glu Lys Glu Ala Ala Glu Met Gly Lys Gly Ser Phe Lys Tyr Ala
50 55 60

Trp Val Leu Asp Lys Leu Lys Ala Glu Arg Glu Arg Gly Ile Thr Ile
65 70 75 80

Asp Ile Ser Leu Trp Lys Phe Glu Thr Ser Lys Tyr Tyr Val Thr Ile
85 90 95

Ile Asp Ala Pro Gly His Arg Asp Phe Ile Lys Asn Met Ile Thr Gly
100 105 110

Thr Ser Gln Ala
115

<210> 6471
<211> 37
<212> PRT
<213> Homo sapiens

<400> 6471
Glu Lys Pro Tyr Gly Ile Val Glu Lys Lys Ser Arg Ile Phe Pro Gly
1 5 10 15

Asp Thr Ile Leu Glu Thr Gly Glu Val Ile Pro Pro Met Lys Glu Phe
20 25 30

Pro Asp Gln His His
35

<210> 6472
<211> 89

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6472
Ala Gly Ala Asp Gly Gly Ser Ala Ala Cys Ser Trp Lys Phe Arg Leu
1 5 10 15

Gly Cys Leu Leu Gly Ala Met Glu Ser Asp Phe Tyr Leu Arg Tyr Tyr
20 25 30

Val Gly His Lys Gly Lys Phe Gly His Glu Phe Leu Glu Phe Glu Phe
35 40 45

Arg Pro Asp Gly Lys Leu Arg Tyr Ala Asn Ser Ala Ala Ala Xaa Ser
50 55 60

Met Cys Ser Gly Phe Xaa Gly His Gly Xaa Thr Gly Gln Ser Xaa Glu
65 70 75 80

Xaa Leu Arg Val Trp Gln Trp Asn Phe
85

<210> 6473
<211> 96

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6473
Ala Xaa Gln Arg Ala Val Tyr Asp Glu Gln Gly Thr Val Asp Glu Asp
1 5 10 15

Ser Pro Val Leu Thr Gln Asp Arg Asp Trp Glu Ala Tyr Trp Arg Leu
20 25 30

Leu Phe Lys Lys Ile Ser Leu Glu Asp Ile Gln Ala Phe Glu Lys Thr
35 40 45

Tyr Lys Gly Ser Glu Glu Glu Leu Ala Asp Ile Lys Gln Ala Tyr Leu
50 55 60

Asp Phe Lys Gly Asp Met Asp Gln Ile Met Glu Ser Val Leu Cys Val
65 70 75 80

Gln Tyr Thr Glu Glu Pro Arg Met Lys Xaa Tyr His Ser Ala Ser Tyr
85 90 95

<210> 6474
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6474
Lys Glu Ser Thr Leu His Leu Val Leu Arg Leu Arg Gly Gly Met Gln
1 5 10 15

Ile Phe Val Lys Thr Leu Thr Gly Lys Thr Ile Thr Leu Glu Xaa Glu
20 25 30

Pro Ser Asp Thr Ile Glu Asn Val Glu Ala Lys Ile Gln Asp Lys Glu
35 40 45

Gly Ile Pro Pro Asp Gln Xaa Xaa Leu Ile Phe Ala Gly Lys Gln Leu
50 55 60

Glu Asn Gly Arg Xaa Leu Ser Asp Tyr His Ile Gln Xaa Asp Pro Pro
65 70 75 80

Cys Thr Trp Cys Ser Val Ser Xaa Val Gly Cys Lys Ser Ser Xaa Arg
85 90 95

Pro Asp Trp

<210> 6475

<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6475
Gly Lys Leu Val Arg Leu Gln Val Pro Gly Arg Asn Ser Arg Val Asp
1 5 10 15

Pro Arg Val Arg Gly Ser Glu Leu Ser Gly Xaa Ile Ser Ser Ala Cys
20 25 30

Asp Xaa Glu Xaa Asn Met Glu Arg Arg Xaa Ile Thr Ile Ser Lys Ser
35 40 45

Glu Tyr Ser Xaa His Ser Ser Leu Ala Ser Lys Xaa Asp Val Glu Gln
50 55 60

<210> 6476
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6476
Ala Phe Leu Ala Ser Gly Pro Tyr Leu Thr His Gln Gln Lys Val Leu
1 5 10 15

Arg Leu Tyr Lys Arg Ala Leu Arg His Leu Glu Ser Trp Cys Val Xaa
20 25 30

Arg Asp Lys Tyr Arg Tyr Phe Ala Cys Leu Met Arg Ala Arg Phe Glu
35 40 45

Glu His Lys Asn Glu Lys Asp Met Ala Lys Ala Thr Gln Leu Xaa Asn
50 55 60

Glu Ala Xaa Gly Lys Asn Ser Gly Thr Ala Xaa Xaa Thr Ala Ile His
65 70 75 80

Leu Pro

<210> 6477
<211> 48
<212> PRT
<213> Homo sapiens

<400> 6477
Ala Leu Leu Leu Gly Lys Lys Gly Ile Glu Lys Asn Leu Gly Ile Gly
1 5 10 15

Lys Val Ser Ser Phe Glu Glu Lys Met Ile Ser Asp Ala Ile Pro Glu
20 25 30

Leu Lys Ala Ser Ile Lys Lys Gly Glu Asp Phe Val Lys Thr Leu Lys
35 40 45

<210> 6478
<211> 158
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6478
Arg Val Leu Ala Asp Ile Thr Lys Ser Leu Thr Asn Pro Thr Pro Ile
1 5 10 15

Gln Gln Gln Leu Arg Arg Phe Thr Glu His Asn Ser Ser Pro Asn Val
20 25 30

Ser Gly Ser Leu Ser Ser Gly Leu Gln Lys Ile Phe Xaa Asp Pro Thr
35 40 45

```
Asp Ser Asp Leu His Lys Leu Lys Ser Pro Ser Gln Asp Asn Thr Asp
     50                  55                  60

Ser Tyr Phe Arg Gly Lys Thr Leu Leu Leu Val Gln Gln Ala Ser Ser
 65                  70                  75                  80

Gln Ser Met Thr Tyr Ser Glu Lys Asp Glu Arg Glu Ser Ser Leu Pro
                 85                  90                  95

Asn Gly Arg Ser Val Ser Leu Met Asp Leu Gln Xaa Thr His Ala Ala
            100                 105                 110

Gln Val Glu His Ala Ser Val Met Leu Asp Val Pro Ile Arg Leu Thr
        115                 120                 125

Gly Ser Gln Leu Ser Ile Thr Gln Val Ala Ser Ile Lys Gln Leu Arg
    130                 135                 140

Glu Thr Gln Ser Thr Xaa Gln Ser Ala Pro Gln Val Arg Arg
145                 150                 155
```

<210> 6479
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)

BNSDOCID: <WO__0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6479
Thr Xaa Xaa Leu Ser Xaa Ala Phe Xaa Xaa Glu Asp Pro Gly Leu Arg
1 5 10 15

Thr Arg Ala Cys Asp Xaa Ile His Ser Ser Ile Val Ala Thr Tyr Xaa
20 25 30

Gln Xaa Thr Gly Arg Arg Ser Thr Thr Ser Thr Thr Gly Lys Thr Leu
35 40 45

Glu Leu Pro Asn Leu Xaa Arg Leu Ala Ala His Ala Pro Xaa Xaa Ser
50 55 60

Trp Arg Asn Lys Gly
65

<210> 6480

<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6480
Ser Gly His Ser Asn Tyr Met Val Asp Trp Tyr Gln Gln Arg Pro Gly
1 5 10 15

Lys Gly Pro Arg Phe Val Met Arg Val Gly Thr Ser Gly Val Val Gly
20 25 30

Pro Arg Gly Asp Gly Ile Pro Asp Arg Phe Ser Val Leu Ala Ser Gly
35 40 45

Leu Ser Arg Asp Leu Thr Ile Thr Asn Ile Gln Glu Arg Xaa
50 55 60

<210> 6481
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6481
Ile Lys Arg Val Ser Leu Leu Xaa Asn Pro Pro Thr Val Gly Gly Gly
1 5 10 15

Thr Leu Lys Leu Thr Asp Val His Pro Xaa Ile Leu Glu Pro Thr Ser
20 25 30

Ala Xaa Ser Thr Thr His Pro Xaa Phe Tyr Pro Asn Xaa Phe Gly Ala
35 40 45

Asn Pro Thr Leu Leu Xaa Leu Phe Pro Pro Xaa Tyr Pro Leu
50 55 60

<210> 6482
<211> 118
<212> PRT
<213> Homo sapiens

<400> 6482
Pro Thr Gly Pro Asp Pro Ala Gly Lys Glu Gly Glu Gly Gly Gln Ala
1 5 10 15

Gln Cys Ser Arg Glu His Ala Gly Asp Pro Trp Phe Gln Ser Pro Ala
20 25 30

Gly Ala Ala Thr Lys Pro Ala Leu Lys Ser Glu Glu Lys Thr Pro Ile
35 40 45

Lys Lys Pro Gly Asp Gly Arg Lys Val Thr Phe Phe Glu Pro Gly Ser
50 55 60

Gly Asp Glu Asn Gly Thr Ser Asn Lys Glu Asp Glu Phe Arg Met Pro
65 70 75 80

Tyr Leu Ser His Gln Gln Leu Pro Ala Gly Ile Leu Pro Met Val Pro
85 90 95

Glu Val Ala Gln Ala Val Gly Val Ser Gln Gly His His Thr Lys Asp
100 105 110

Phe Thr Arg Ala Ala Pro
115

<210> 6483
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2_I_>

<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6483
Xaa Xaa Gly Xaa Pro Ala Gly Thr Arg Ser Gly Ile Pro Gly Ser Thr
1 5 10 15

His Ala Pro Phe Xaa Xaa Xaa Gly Ala Ala Leu Xaa Ala Gly Gly Ile
20 25 30

Trp Xaa Xaa Ile Asp Gly Ala Ser Phe Leu Lys Ile Phe Gly Pro Leu

35 40 45

Xaa Xaa Ser Ala Met Gln Xaa Val Asn Val Gly Tyr Xaa Leu Ile Ala
50 55 60

Ala Gly Val Val Val Phe Ala Leu Gly Xaa Leu Gly Xaa Tyr Gly Ala
65 70 75 80

Lys Thr Glu Ser Lys Xaa Ala Leu Val Thr Tyr Phe Tyr Ile Leu Leu
85 90 95

<210> 6484
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6484
Ala Ser Ile Ala Ser Thr Ser Trp Arg His Phe Ala Glu Val Ala Tyr
1 5 10 15

Ile Val Glu Gly Asp Phe Thr Gly Val Leu Leu Pro Glu Leu Val Val
20 25 30

Ser Ile Val Leu Leu Leu Ser Lys Asn Ala Gly Leu Met Gln Glu Ala
35 40 45

Gly Ala Val Pro Xaa Leu Gly Gly Leu Leu Glu His Leu Asp Arg Phe
50 55 60

Asn His Leu Ala Pro Gly Lys Glu Arg Asp Asp His Glu Glu Leu Ala
65 70 75 80

Cys Leu Ala

<210> 6485
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6485

```
Phe Asn Tyr Xaa Leu Asp Cys Leu Gly Asn Gly Arg Thr Glu Cys His
 1               5                  10                  15

Cys Gly Ala Xaa Asn Cys Ser Gly Phe Leu Gly Val Arg Pro Lys Ser
            20                  25                  30

Ala Cys Ala Xaa Thr Asn Glu Glu Lys Ala Lys Asn Ala Lys Leu Lys
        35                  40                  45

Gln Lys Arg Arg Lys Ile Lys Thr Glu Pro Lys His Met His Glu Asp
    50                  55                  60

Tyr Cys Phe Gln Cys Gly Asp Gly Gly Xaa Leu Val Met Cys Asp Lys
65                  70                  75                  80
```

Lys Xaa Cys Pro Lys Tyr Thr Thr Phe Leu Leu Pro Xaa Xaa
85 90

<210> 6486
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6486
Gly Lys Arg Arg Asp Asp Gly Leu Ser Ala Ala Ala Arg Lys Gln Arg
1 5 10 15

Asp Ser Glu Ile Met Gln Xaa Lys Gln Lys Lys Ala Asn Glu Lys Lys
20 25 30

Glu Glu Pro Lys
35

<210> 6487
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6487
Arg Arg Gln Val Gly Ala Ala Ala Val Ala Met Thr Arg Gly Asn Gln
1 5 10 15

Arg Glu Leu Thr Arg Gln Lys Asn Met Lys Lys Gln Ser Asp Ser Val
20 25 30

Lys Gly Lys Arg Arg Asp Asp Gly Leu Ser Ala Ala Xaa Arg Lys Gln
35 40 45

Arg Asp Ser Glu Ile Met Gln Gln Lys Gln Lys Lys Ala Asn Glu Lys
50 55 60

Lys Glu Glu Pro Lys
65

<210> 6488
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6488
Arg Lys Xaa Leu Ile Gln Arg Leu Leu Met Lys Asp Pro Lys Lys Arg
1 5 10 15

Leu Gly Cys Gly Pro Arg Asp Ala Asp Glu Ile Lys Glu His Leu Phe
20 25 30

Phe Gln Lys Ile Asn Trp Asp Asp Leu Ala Ala Lys Lys Val Pro Ala
35 40 45

Pro Phe Lys Pro Val Ile Arg Asp Glu Leu Asp Val Ser Asn Phe Ala
50 55 60

Glu Glu Phe Thr Glu Met Asp Pro Thr Tyr Ser Pro Ala Ala Leu Pro
65 70 75 80

Gln Ser Ser Glu Glu Ala Val Ser Gly Leu Phe Phe Val Ala Pro Ser
85 90 95

Ile Leu Phe Lys Arg Asn Ala Ala Val Ile Asp Pro Leu Gln Phe His
100 105 110

Met Gly Val Glu Arg Leu Glu
115

<210> 6489
<211> 88
<212> PRT
<213> Homo sapiens

<400> 6489
Gln Arg Phe Phe Gly Glu Val Leu Leu Tyr Phe Gln Met Ser Gln Ser
1 5 10 15

Asp Asp Arg Asp Ser Lys Arg Asp Ser Leu Glu Glu Gly Glu Leu Arg
20 25 30

Asp His Arg Met Glu Ile Thr Ile Arg Asn Ser Pro Tyr Arg Arg Glu
35 40 45

Asp Ser Met Glu Asp Ile Ser Pro Gln Leu Pro Leu Leu Thr Arg Thr
50 55 60

Ser Cys Pro Ser Cys Leu His Leu Ser Val Pro Leu Glu Trp Met Ala
65 70 75 80

Gly Gly Glu Val Glu Ala Asp Ser
85

<210> 6490
<211> 153
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6490
Glu Leu Ser Ser Val Val Ser Ser Ser Gly Thr Glu Gly Ala Ser Ser
1 5 10 15

Leu Glu Lys Lys Glu Val Pro Gly Val Asp Phe Ser Ile Thr Gln Phe
20 25 30

Val Arg Asn Leu Gly Leu Glu His Leu Met Asp Ile Phe Xaa Arg Glu
35 40 45

Gln Ile Thr Leu Asp Val Leu Val Glu Met Gly His Lys Glu Leu Lys
50 55 60

Glu Ile Gly Ile Asn Ala Tyr Gly His Arg His Lys Leu Ile Lys Gly
65 70 75 80

Val Glu Arg Leu Ile Ser Gly Gln Gln Gly Leu Asn Pro Tyr Leu Thr
85 90 95

Leu Asn Thr Ser Gly Ser Gly Thr Ile Leu Ile Asp Leu Ser Pro Asp
100 105 110

Asp Lys Glu Phe Gln Ser Val Glu Glu Glu Met Gln Ser Thr Val Arg
115 120 125

```
Glu His Arg Asp Gly Gly His Ala Gly Gly Ile Phe Asn Arg Tyr Asn
    130                 135                 140

Ile Leu Lys Ile Gln Lys Val Cys Asn
145                 150
```

<210> 6491
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6491

```
Val Gln Ser Gly Ala Glu Xaa Lys Xaa Ser Gly Glu Ser Leu Ser Ile
  1               5                  10                  15

Ser Cys Gln Val Ser Gly Tyr Thr Leu Thr Ser Tyr Trp Ile Asn Trp
             20                  25                  30
```

```
Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met Gly Arg Leu Asp
         35                  40                  45

Pro Ser Asp Ser Phe Ile Asn Tyr Asn Pro Ser Phe Glu Gly His Ile
     50                  55                  60

Ser Ile Ser Ala Asp Lys Phe Ile Ser Thr Ala Tyr Leu Lys Trp Asn
 65                  70                  75                  80

Thr Leu Glu Ala Ser Asp Thr Ala Met Tyr Tyr Cys Ala Leu Ser Gly
                 85                  90                  95

Arg Gln Gln Leu Val Pro Val Tyr Trp Gly Gln Gly Thr Gln Val Xaa
            100                 105                 110

Arg Leu Leu Xaa Asn Pro Xaa Gln Xaa Gln Arg Leu Ser Ala Glu Pro
        115                 120                 125

Leu
```

<210> 6492
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6492
Leu Xaa Lys Phe Ser Val Arg Phe Lys Glu Asn Ser Val Ala Val Lys
1 5 10 15

Val Val Gln Gly Pro Ala Gly Gly Asp Asn Xaa Lys Xaa Arg Tyr Lys
20 25 30

Lys Lys Gly Ser His Cys Leu Xaa Val Thr Xaa Gln Leu Gly Gly Gly
35 40 45

Thr Met Gln Arg Trp Xaa Xaa Leu Pro Pro Glu Pro Ala Leu Ile Xaa
50 55 60

Leu Xaa Pro Xaa Phe Phe Gly Gly Xaa Phe Xaa Xaa Xaa Xaa Xaa Gly
65 70 75 80

Gly Xaa Gly Xaa Gly Val
85

<210> 6493
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6493
Phe His Lys Ala Tyr Ala Xaa Leu Val Xaa Ser Trp His Ser Leu Thr
1 5 10 15

Pro Val Ser Ser Asp His Xaa Phe Ser Xaa Trp Arg Ile Tyr His
20 25 30

<210> 6494
<211> 135
<212> PRT
<213> Homo sapiens

<400> 6494
Trp Glu Arg Leu Pro Ser Leu Ala Leu Lys Ala Ser Ser Leu Asp Leu
1 5 10 15

Ala Thr Ala Ala Leu Thr Val Met Leu Asp Ser Val Thr His Ser Thr
20 25 30

Phe Leu Pro Asn Ala Ser Phe Cys Asp Pro Leu Met Ser Trp Thr Asp
35 40 45

Leu Phe Ser Asn Glu Glu Tyr Tyr Pro Ala Phe Glu His Gln Thr Ala
50 55 60

Cys Asp Ser Tyr Trp Thr Ser Val His Pro Glu Tyr Trp Thr Lys Arg
65 70 75 80

His Val Trp Glu Trp Leu Gln Phe Cys Cys Asp Gln Tyr Lys Leu Asp
85 90 95

Thr Asn Cys Ile Ser Phe Cys Asn Phe Asn Ile Ser Gly Leu Gln Leu
100 105 110

Cys Ser Met Thr Gln Glu Glu Phe Val Glu Ala Ala Gly Leu Cys Gly
115 120 125

Glu Tyr Leu Tyr Phe Gln Phe

BNSDOCID: <WO__0122920A2_I >

130 135

<210> 6495
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6495
Pro Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Xaa
1 5 10 15

Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
20 25 30

Gly Lys Leu Asn Lys Met Asp Gly Ser Arg Lys Glu Glu Glu Glu Asp
35 40 45

Ser Thr Phe Thr Asn Ile Ser Leu Ala Asp Asp Ile Asp His Ser Ser
50 55 60

Arg Ile Leu Tyr Pro Arg Pro Lys Ser Leu Leu Pro Lys Met Met Asn
65 70 75 80

Ala Asp Met Asp Asp Leu Ser Ala Arg Val Asp Ala Val Lys Glu Glu
85 90 95

Asn Leu Lys Leu Lys Ser Glu Asn Gln Val Leu Xaa Gln Tyr Ile Glu
100 105 110

Asn Leu Met Ser Ala Ser Ser Val Phe Gln Thr Thr Asp Thr Lys Ser
115 120 125

Lys Arg Lys
130

<210> 6496
<211> 44

<212> PRT
<213> Homo sapiens

<400> 6496
Ile Asn Ile His Lys Cys Tyr Phe Leu Phe Leu Tyr Phe Ile Phe Phe
1 5 10 15

Ser Pro Phe Gln Ile Leu Gly Val Trp Leu Thr Tyr Arg Tyr Arg Asn
20 25 30

Gln Lys Asp Pro Arg Ala Asn Pro Ser Ala Phe Leu
35 40

<210> 6497
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6497

```
Trp Xaa Glu Ser Gly Leu Pro Ala Val Ala Ala Thr Leu Lys Leu Xaa
 1               5                  10                  15

Xaa Pro Pro Gly Cys Met Asn Ser Ala Arg Gly Leu Leu Arg Thr Leu
            20                  25                  30

His Gly Ala Arg His Met Val Arg Asp Ala Pro Glu Ile Pro Gln Gly
        35                  40                  45

Gly Ser Pro Ala Xaa Cys Ser Xaa Phe Arg Pro Asn Pro Glu Leu Thr
    50                  55                  60
```

BNSDOCID: <WO__0122920A2 I_>

Glu Ala Leu Thr Thr Ser Phe Val Arg Arg Leu Phe Trp Gly Ser Xaa
65 70 75 80

Gly Ala Xaa Thr Pro Leu Ala Glu Xaa Leu Arg Thr Xaa Ser Ala Ser
85 90 95

Ser Ser Asp Pro Val Ser Ala Pro Xaa Ser Leu Thr Ala Glu Xaa Xaa
100 105 110

Xaa Gln Pro Ser Ser Tyr Xaa Gly Thr Pro Arg Phe Leu Arg Ile Pro
115 120 125

Glu

<210> 6498
<211> 104
<212> PRT
<213> Homo sapiens

<400> 6498
Pro Arg Val Arg Glu Asp Glu Gln Phe Pro Ser Ile Pro Ala Leu Val
1 5 10 15

His Ser Tyr Met Thr Gly Arg Arg Pro Leu Ser Gln Ala Thr Gly Ala
20 25 30

Val Val Ser Arg Pro Val Thr Trp Gln Gly Pro Leu Arg Arg Ser Phe
35 40 45

Ser Glu Asp Thr Leu Met Asp Gly Pro Ala Arg Ile Glu Pro Ile Arg
50 55 60

Ala Arg Lys Trp Ser Asn Ser Gln Pro Ala Asp Leu Ala His Met Gly
65 70 75 80

Gln Ser Arg Glu Asp Pro Ala Gly Met Glu Ala Ser Thr Met Pro Ile
85 90 95

Ser Ala Leu Pro Arg Thr Ser Ser
100

<210> 6499
<211> 190
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (174)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (185)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (186)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (187)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6499
Ala Ser Gly Thr Trp Asn Ala Pro Ala Gly Trp Cys Pro Gly Val Leu
1 5 10 15

Ser Pro Leu Leu Pro Thr Ser Ala Gly Pro Val Ser Ser Cys Ala Gln
20 25 30

Cys Gly Pro Val Ser Ala Pro Ala Ala Leu Ser Pro Pro His Ala Gly
35 40 45

```
Ser Arg Pro Gly His Arg Ala Val Xaa Cys Phe Pro Thr Ala Ala Gly
     50                  55                  60

Thr Ala Arg His Thr Gln Gly Leu Gly Arg Ala Gly Gly His Thr Ala
 65                  70                  75                  80

Trp Leu Ser Cys Ser Trp Ser Pro Ala Ser Pro Arg Arg Pro Gly Gly
                 85                  90                  95

Ser Ile Ser Gln Glu Ala Arg Ser Pro Pro Gly Gly Trp Ala Gln Pro
            100                 105                 110

Arg Gln Met Asp Glu Lys Thr Xaa Lys Ala Xaa Glu Met Ala Leu Ser
        115                 120                 125

Leu Thr Arg Ala Val Ala Gly Gly Asp Glu Gln Val Ala Met Lys Cys
    130                 135                 140

Ala Ile Trp Leu Ala Glu Gln Arg Val Pro Leu Ser Val Gln Leu Lys
145                 150                 155                 160

Pro Glu Val Ser Pro Thr Gln Asp Ile Arg Phe Leu Met Xaa Gln Asn
                165                 170                 175

Gly His Ser Ser Xaa Ile Gln Pro Xaa Xaa Xaa Gln Gly Gly
            180                 185                 190
```

<210> 6500
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6500
Xaa Ile Pro Ile Leu Asn Pro Phe Xaa Ile Arg Leu Thr Ile Gly Lys
1 5 10 15

Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr
20 25 30

Arg Xaa Ala Xaa Lys Gln Ala Gly Gln Lys Lys Lys Gln Gly His Asp
35 40 45

Xaa Lys Ala Ala Xaa Lys Ala Ala Leu Ile Tyr Thr Cys Thr Val Cys
50 55 60

Arg Thr Xaa Met Xaa Asp Pro Xaa Thr Xaa Lys Gln His Phe Glu Ser
65 70 75 80

Lys His Pro Lys Thr Pro
85

<210> 6501
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6501
Gln Met Arg Val Lys Asp Pro Thr Lys Ala Leu Pro Glu Lys Ala Lys
1 5 10 15

Arg Ser Lys Arg Pro Thr Val Pro His Asp Glu Asp Ser Ser Asp Asp
20 25 30

Ile Ala Val Gly Leu Thr Cys Gln His Val Ser His Ala Ile Ser Val
35 40 45

Asn His Val Lys Arg Ala Ile Ala Glu Asn Leu Trp Ser Val Cys Ser
50 55 60

Glu Cys Leu Lys Glu Arg Gly Phe Tyr Asp Gly Gln Leu Val Leu Thr
65 70 75 80

Ser Asp Ile Trp Leu Cys Leu Lys Cys Gly Phe Gln Gly Cys Gly Lys
85 90 95

Asn Ser Xaa Ser Gln His Ser
100

<210> 6502
<211> 92
<212> PRT
<213> Homo sapiens

<400> 6502
Ile Leu Lys Val Gly Ala Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly
1 5 10 15

Ile Ser Thr Pro Ser Phe Ser Ser Tyr Tyr Lys Gly Gly Phe Glu Gln
20 25 30

Lys Met Ser Arg Arg Glu Ala Gly Leu Ile Leu Gly Val Ser Pro Ser
35 40 45

```
Ala Gly Lys Ala Lys Ile Arg Thr Ala His Arg Arg Val Met Ile Leu
     50                  55                  60

Asn His Pro Asp Lys Gly Gly Ser Pro Tyr Val Ala Ala Lys Ile Asn
 65                  70                  75                  80

Glu Ala Lys Asp Leu Leu Glu Thr Thr Thr Lys His
                 85                  90
```

<210> 6503
<211> 147
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6503

```
Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Glu Glu Ser Met Asn
  1               5                  10                  15

Glu Ser His Pro Arg Lys Cys Ala Glu Ser Phe Glu Met Trp Asp Asp
             20                  25                  30

Arg Asp Ser His Cys Arg Arg Pro Lys Phe Glu Gly His Pro Pro Glu
         35                  40                  45

Ser Trp Lys Trp Ile Leu Ala Pro Val Ile Leu Tyr Ile Cys Glu Arg
     50                  55                  60

Ile Leu Arg Phe Tyr Arg Ser Gln Gln Lys Val Val Ile Thr Lys Val
 65                  70                  75                  80

Val Met His Pro Ser Lys Val Leu Glu Leu Gln Met Asn Lys Arg Gly
                 85                  90                  95

Phe Ser Met Glu Val Gly Gln Tyr Ile Phe Val Asn Cys Pro Ser Ile
            100                 105                 110

Ser Leu Leu Gly Met Ala Ser Phe Tyr Phe Asp Leu Cys Ser Arg Gly
        115                 120                 125

Arg Phe Leu Leu His Ser Tyr Xaa Ser Ser Arg Gly Leu Asp Arg Lys
    130                 135                 140

Ser Ile Arg
```

BNSDOCID: <WO___0122920A2_I >

145

<210> 6504
<211> 137
<212> PRT
<213> Homo sapiens

<400> 6504
Glu Gly Asn Arg Ser Asp Val Thr Ser Val Lys Asp Ala Lys Ile Ala
1 5 10 15

Val Tyr Ser Cys Pro Phe Asp Gly Met Ile Thr Glu Thr Lys Gly Thr
20 25 30

Val Leu Ile Lys Thr Ala Glu Glu Leu Met Asn Phe Ser Lys Gly Glu
35 40 45

Glu Asn Leu Met Asp Ala Gln Val Lys Ala Ile Ala Asp Thr Gly Ala
50 55 60

Asn Val Val Val Thr Gly Gly Lys Val Ala Asp Met Ala Leu His Tyr
65 70 75 80

Ala Asn Lys Tyr Asn Ile Met Leu Val Arg Leu Asn Ser Lys Trp Asp
85 90 95

Leu Arg Arg Leu Cys Lys Thr Val Gly Ala Thr Ala Leu Pro Arg Leu
100 105 110

Thr Pro Pro Val Leu Glu Glu Met Gly His Cys Asp Ser Val Tyr Ser
115 120 125

Pro Glu Val Trp Arg Tyr Ser Gly Gly
130 135

<210> 6505
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6505
Leu Gln Leu Xaa Ser Xaa Gly Gly Lys Lys Arg Pro Leu Gly Phe Asn
1 5 10 15

Pro Ala Pro Phe Gly Pro Lys Gly Phe Asn Pro Arg Gly Xaa Pro Pro
20 25 30

Gly Lys Asn Phe Ser Pro Gly Gly Gly Xaa Arg Asn Pro Gln Thr Xaa
35 40 45

Pro Phe Pro Arg Gly Pro Gly Gly Xaa Pro Glu Thr Xaa Phe Gly Lys
50 55 60

```
Lys Pro Pro Ile Gly Gly Pro Arg Ala Leu Pro Val Ser Gln Arg Glu
 65                  70                  75                  80

Thr Phe Ser Pro Thr Pro Lys Arg Thr Trp Phe Trp Gly Phe Leu Asn
                85                  90                  95

Pro Gly Xaa Pro Thr Lys Thr Arg Val Cys Pro Xaa Ala
            100                 105
```

<210> 6506
<211> 133
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6506

```
Ala Ala Ala Glu His Arg Arg Gly Arg Lys Lys Asp Glu Val Arg Glu
  1               5                  10                  15

Gly Ala Gly Phe Leu Glu Pro Gln Gly Ser Thr Glu Leu Ser Lys Xaa
            20                  25                  30

Val Pro Val Asn Trp Glu Pro Pro Gln Pro Leu Pro Phe Pro Lys Tyr
        35                  40                  45

Leu Arg Cys Tyr Arg Cys Leu Leu Glu Thr Lys Glu Leu Gly Cys Leu
    50                  55                  60

Leu Gly Ser Asp Ile Cys Leu Thr Pro Ala Gly Ser Ser Cys Ile Thr
 65                  70                  75                  80

Leu His Lys Lys Asn Ser Ser Gly Ser Asp Val Met Val Ser Asp Cys
                85                  90                  95

Arg Ser Lys Glu Gln Met Ser Asp Cys Ser Asn Thr Arg Thr Ser Pro
            100                 105                 110

Val Ser Gly Phe Trp Ile Phe Ser Gln Tyr Cys Phe Leu Asp Phe Cys
        115                 120                 125
```

Asn Asp Pro Xaa Asn
130

<210> 6507
<211> 45
<212> PRT
<213> Homo sapiens

<400> 6507
Ser Cys Thr Met Pro Ser Ser Ile Ile Thr Leu Lys Asn Gly Ile Gln
1 5 10 15

Asn Met Leu Gln Phe Tyr Ile Pro Glu Val Glu Gly Val Glu Gln Val
20 25 30

Met Asp Asp Glu Ser Asp Glu Lys Glu Ala Asn Ser Pro
35 40 45

<210> 6508
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6508
Ser Ala Pro Lys Ala Pro Ala Thr Pro Gly Ala Gln Xaa Ala Pro Asp
1 5 10 15

Val Arg Leu Leu Tyr Val Leu Ala Ile Ala Ala Leu Gly Gly Leu Cys
20 25 30

Leu Ile Leu Ala Ser Ser Leu Leu Tyr Val Ala Cys Leu Arg Glu Gly
35 40 45

Arg Arg Gly Arg Arg Arg Lys Tyr Ser Leu Gly Arg Ala Asn Xaa Gly
50 55 60

Arg Arg Ile Cys Gly Ala Thr Ala

BNSDOCID: <WO___0122920A2_I >

65 70

<210> 6509
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6509
Ser Gly Val Ser Xaa Phe Ser Asn Pro Val Gln Tyr Trp Glu Ile Gln
1 5 10 15

Pro Ser Thr Phe Arg Cys Val Tyr Val Arg Ser Ala Ile Gln Leu Gly
20 25 30

Asn Tyr Lys
35

<210> 6510
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6510
Asn Ser Ala Arg Ala Ser Ala Leu Lys Gln Tyr Xaa Arg Ser Leu Pro
1 5 10 15

Glu Pro Leu Met Thr Tyr Glu Leu His Gly Asp Phe Ile Val Pro Ala
20 25 30

Lys Ser Gly Ser Pro Glu Ser Xaa Val Asn Ala Ile His Phe Leu Val
35 40 45

His Lys Leu Pro Glu Lys Asn Lys Glu Met Leu Asp Ile Leu Val Lys
50 55 60

His Leu Thr Asn Val Xaa Asn Xaa Ser Lys Gln Asn Xaa Xaa Thr Val
65 70 75 80

Ala Asn Leu Gly Val Val Phe Gly Pro Thr Leu Met Arg Pro Gln Glu
85 90 95

Glu Thr Val Ala Ala Leu Met Asp Phe Glu Val Ser Xaa Tyr Cys Cys
100 105 110

Gly Lys Ser
115

<210> 6511
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6511
Thr Gly Asn Lys Met Gln Asp Pro Asn Ala Asp Thr Glu Trp Asn Asp
1 5 10 15

Ile Leu Arg Lys Lys Gly Ile Leu Pro Pro Lys Glu Ser Leu Lys Glu
20 25 30

Leu Glu Glu Glu Ala Glu Glu Glu Gln Arg Ile Leu Gln Gln Ser Val
35 40 45

Val Lys Thr Tyr Glu Asp Met Thr Leu Glu Glu Leu Glu Asp His Glu
50 55 60

Asp Glu Phe Asn Glu Glu Asp Glu Arg Ala Ile Glu Met Tyr Arg Arg
65 70 75 80

Arg Arg Leu Ala Glu Trp Lys Ala Thr Lys Leu Lys Asn Lys Phe Gly
85 90 95

Glu Val Leu Glu Ile Ser Xaa Lys Asp Tyr Val Gln Glu Val Thr Lys
100 105 110

Ala Gly Glu Gly Leu Xaa Val Ile Leu His Leu Tyr Asn Gln Gly Ile
115 120 125

Pro

<210> 6512
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6512
Phe Glu Lys Tyr Met Leu Thr Val Gln Tyr Phe Ser Ile Ile Phe Pro
1 5 10 15

Leu Phe Tyr Arg Ala Asn Val Lys Pro Arg Asn Ser Thr Pro Pro Ser
20 25 30

Leu Ala Arg Asn Pro Ala Pro Gly Val Leu Thr Asn Lys Arg Lys Thr
35 40 45

Tyr Thr Glu Ser Tyr Ile Ala Arg Pro Asp Gly Asp Cys Ala Ser Ser
50 55 60

Leu Asn Gly Gly Asn Ile Lys Gly Ile Glu Gly His Ser Pro Gly Asn
65 70 75 80

Leu Pro Lys Phe Cys His Glu Cys Gly Thr Lys Tyr Pro Val Glu Xaa
85 90 95

Ala Lys Phe Cys Xaa Glu Cys Gly Ile Arg Arg Met Ile Leu
100 105 110

<210> 6513
<211> 75
<212> PRT
<213> Homo sapiens

<400> 6513
Val Pro Ala Ala Gly Thr Pro Arg Ala Asn Gln Pro Gly Phe Arg Lys
1 5 10 15

His Leu Gly Leu Leu Glu Lys Lys Lys Asp Tyr Lys Leu Arg Ala Asp
20 25 30

Asp Tyr Arg Lys Lys Gln Glu Tyr Leu Arg Ala Leu Arg Lys Lys Ala
35 40 45

Leu Glu Lys Asn Pro Asp Glu Phe Tyr Tyr Lys Met Thr Arg Val Lys
50 55 60

Leu Gln Asp Gly Phe His Val Ile Glu Gly Asp
65 70 75

<210> 6514
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6514
Xaa Val Phe Glu Xaa Xaa Ala Pro Gly Xaa Tyr Lys Phe Tyr Leu Gln
1 5 10 15

Asn Arg Ser Leu Pro Gln Ser Xaa Pro Val Leu Lys Val Thr Leu Ala
20 25 30

Val Ser Asp Leu Gln Lys Ser Leu Asn Tyr Trp Cys Tyr Leu Leu Gly
35 40 45

Met Lys Ile Tyr Glu Lys Tyr Tyr Lys Ser Tyr Arg Ala Cys Leu Gly
50 55 60

Phe Leu Lys Asn Pro Cys
65 70

<210> 6515
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6515

```
Ser Trp Tyr Pro Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His
  1               5                  10                  15

Ala Ser Val Glu Leu Asn Glu Leu Leu Leu Asp Lys Asn Gln Glu Pro
             20                  25                  30

Gln Trp Arg Glu Thr Ala Arg Trp Ile Lys Phe Glu Glu Asp Val Asp
         35                  40                  45

Glu Asp Ala His Asp Ser Glu Ala Lys Val Ala Ser Leu Arg Gly Met
     50                  55                  60

Glu Leu Gln Gly Cys Ala Ser Thr Gln Val Glu Ser Xaa Asn Asn Gln
 65                  70                  75                  80

Xaa Glu Gln Lys Gln Val Arg Leu Pro Glu Ser Arg Leu Thr Pro Trp
                 85                  90                  95

Glu Val Xaa Phe Ile Gly Xaa Glu Lys Glu Glu Arg Asp Arg Leu His
            100                 105                 110

Leu Lys Ala Xaa Glu Glu Leu Asn Gln Xaa
```

115 120

<210> 6516
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6516
Pro Arg Val Arg Pro Arg Val Arg Glu Asn Glu Tyr Gln Ala Xaa Ser
1 5 10 15

Val Pro Pro Thr Arg Leu Leu Ile Lys Glu Pro Ser Lys Arg Val Gly
20 25 30

His Phe Arg Gly Leu Gln Asn Trp Lys Ala Xaa Ser Phe Thr Met
35 40 45

<210> 6517
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6517
Gly Gly Xaa Xaa Gly Xaa Pro Leu Tyr Leu His Leu Leu Met Ser Leu
1 5 10 15

His Arg Ala Arg Leu Glu Ser Ser Ser Thr Gly Ser Ser Phe Pro Ala
20 25 30

Asp Ser Ala Lys Pro Val Pro Leu Ala Val Val Ser Leu Asp Ser Arg
35 40 45

<210> 6518
<211> 31
<212> PRT
<213> Homo sapiens

<400> 6518
Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Thr Thr Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Glu Gln Asn Gln Trp
20 25 30

<210> 6519
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6519
Ala Xaa Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala
1 5 10 15

Val Thr Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser
20 25 30

Ala Arg Gly Tyr Thr Gly Asn Gly
35 40

<210> 6520
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6520
Xaa Xaa His Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
1 5 10 15

Ala Val Xaa Ser Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
20 25 30

Ser Ala Arg Ser Ala Arg Ala Lys Asp Thr Asn Leu Val Phe Pro Gly
35 40 45

Ile Glu Gln Gln Ala Phe Gln Asp Cys His Pro
50 55

<210> 6521
<211> 66
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6521
Gly Phe Xaa Xaa Leu Thr Arg Ile Thr Leu Thr Lys Gly Asn Lys Ser
1 5 10 15

Trp Ser Ser Thr Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro
20 25 30

Gly Cys Arg Asn Ser Ala Arg Ala Leu Ser Arg Pro Phe Ser Xaa Cys
35 40 45

Pro Arg Ala Xaa Thr Ala Pro Arg Xaa Arg Arg Trp Asn Ala Arg Thr
50 55 60

Xaa Gly
65

<210> 6522
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6522
Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Asn Glu Ser Tyr
1 5 10 15

Tyr Asn Ser Leu Ala Val Val Leu Gln Xaa Arg Asp Trp Glu Asn Pro
20 25 30

Xaa Thr Xaa Pro Ser Xaa Xaa Gly Pro
35 40

<210> 6523
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6523
Arg Xaa Gln Lys Leu Ala Xaa Pro Pro Gln Val Ala Ala Ala Leu Glu
1 5 10 15

Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Ala Arg Ala
20 25 30

Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile
35 40 45

Thr Ile His Trp Pro Ser Phe Xaa Asn Val Val Thr Gly Lys Thr Gln
50 55 60

Xaa Xaa Xaa Ile
65

<210> 6524
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6524
Leu Val Pro Lys Gly Gly Pro Val Pro Asn Ser Pro Tyr Xaa Glu Ser
1 5 10 15

Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Lys
20 25 30

Pro Xaa Xaa Xaa
35

<210> 6525
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6525
Ala Ala Arg Gly Gly Pro Gly Thr Asn Ser Pro Tyr Ser Glu Ser Tyr
1 5 10 15

Tyr Asn Ser Leu Ala Val Val Leu Asn Val Val Thr Gly Pro Xaa Xaa

BNSDOCID: <WO__0122920A2 I_>

20 25 30

Xaa

<210> 6526
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6526
Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Ala
1 5 10 15

Ala Ala Leu Glu Leu Val Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val
20 25 30

Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly
35 40 45

Lys Thr Gln Xaa Xaa Xaa
50

<210> 6527
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6527
Asp Ser Pro Leu Arg Lys Val Pro Ser Leu Lys Gly Asn Lys Ser Gly
1 5 10 15

Ser Ser Thr Ala Val Xaa Val Val Leu Gln Leu Val Asp Pro Pro Gly
20 25 30

Cys Arg Asn Ser Val Arg Ala Arg Asp Xaa Pro Met Lys Ser Gly Gly
35 40 45

Trp Phe Ile His Trp Lys Cys Cys Val Xaa Ala Xaa Xaa Lys Xaa Thr
50 55 60

Xaa Thr Ser Glu Glu
65

<210> 6528
<211> 36

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6528
Gly Thr Ser Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Xaa
1 5 10 15

Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Xaa Asp Trp
20 25 30

Glu Thr Xaa Lys
35

<210> 6529
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6529
Pro Ser Xaa Lys Arg Asn Lys Ser Trp Ser Ser Thr Ala Val Ala Ala
1 5 10 15

Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala
20 25 30

```
Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val
         35                  40                  45

Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Ile Pro
     50                  55                  60

Pro Lys Lys Xaa
 65
```

<210> 6530
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6530

```
Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Xaa Glu Ser Tyr
  1               5                  10                  15

Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Xaa
             20                  25                  30

Asn
```

<210> 6531
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6531
Gly Thr Ser Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Xaa
1 5 10 15

Glu Ser Tyr Xaa Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp
20 25 30

Glu Asn Pro Xaa
35

<210> 6532
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6532
Gly Xaa Ile Trp Xaa Xaa Ser Thr Lys Lys Trp Arg Phe Ala Leu Glu
1 5 10 15

Leu Val Asp Pro Pro Gly Cys Arg Asn Pro Ala Arg Ala Xaa Thr Arg
20 25 30

Gly Gly Pro Val Pro Xaa Ser Pro Tyr Ser Glu Ser Xaa Tyr Asn Ser
35 40 45

Leu Xaa Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro
50 55 60

<210> 6533
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ _0122920A2 I_>

<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6533
Ser Lys Val Ser Ser Xaa Ile Lys Gly Thr Xaa Gly Pro Ala Pro Xaa
1 5 10 15

Lys Val Ala Phe Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
20 25 30

Pro Xaa Arg Ala Xaa Xaa Gly Gly Ala Arg Phe Pro Ile Arg Pro Ile
35 40 45

Xaa

<210> 6534
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6534
Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Xaa Glu Ser Tyr
1 5 10 15

Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Leu Asp Trp Glu Asn Pro
20 25 30

Asn Xaa Phe Leu Cys Xaa Phe Xaa Xaa
35 40

<210> 6535
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6535
Gly Thr Ser Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Xaa
1 5 10 15

Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp
20 25 30

Glu Asn Pro Lys
35

<210> 6536
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6536
Xaa Gly Thr Xaa Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr
1 5 10 15

Xaa Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp
20 25 30

Trp Glu Asn Pro Xaa Xaa Phe Pro
35 40

<210> 6537
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2_I >

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6537
Leu Lys Ala Pro Xaa Gly Thr Arg Gly Xaa Arg Arg Ser Ile Ser Ser
1 5 10 15

Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Gly Pro Arg Gly Gly
20 25 30

Pro Val Pro Ser Ser Xaa Phe Ser Glu Ser Tyr Tyr Asn Ser Leu Ala
35 40 45

Val Val Leu Gln Arg Arg Xaa Trp Glu Asn Pro Cys Leu Leu
50 55 60

<210> 6538
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2_I >

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6538
Arg Arg Xaa Gly Glu Xaa Cys Ser Xaa Ile Asn Pro Gln Ile Xaa Gly
1 5 10 15

Lys Lys Ile Trp Ser Ser Thr Ala Val Ala Asp Ala Leu Xaa Leu Val
20 25 30

Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Ala Arg Gly Gly Ala
35 40 45

Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile His Trp Pro
50 55 60

Ser Phe Tyr Asn Val Val Thr Gly Lys Thr Gln Xaa Xaa Xaa Xaa Gly
65 70 75 80

<210> 6539
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6539
Xaa Gly Xaa Glu Gly Tyr Ile Arg Leu Ala Xaa Gln Leu Thr Leu Xaa
1 5 10 15

Asn Gly Asn Lys Thr Trp Ser Ser Thr Ala Val Ala Ala Ala Leu Glu
20 25 30

Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Xaa Xaa Xaa
35 40 45

<210> 6540
<211> 107
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6540

Phe Xaa Ser Pro Gly Cys Arg Asn Ser Ile Ser Ser Leu Ser Ile Pro
1 5 10 15

Xaa Thr Ser Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser
20 25 30

Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn
35 40 45

Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala Gln Ser Pro Phe Xaa
50 55 60

Gln Leu Gly Val Ile Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln
65 70 75 80

Gln Leu Arg Ser Leu Asn Gly Glu Trp Asp Ala Pro Cys Ser Xaa Ala
85 90 95

Leu Ser Ala Xaa Val Xaa Trp Leu Pro Ala Val
100 105

<210> 6541
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6541
Xaa Lys Val Xaa Ala Thr Arg Thr Lys Gly Asn Lys Ser Trp Ser Ser
1 5 10 15

Thr Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg
20 25 30

Asn Ser Ala Arg Asp Phe Gln Val Asp Phe Ser Ala Ser Ser Lys Thr
35 40 45

Asp Cys Phe Phe Ser Gly Leu Thr Leu Cys Gly Phe Phe Phe Phe Ser
50 55 60

Leu Asn Leu Ile
65

<210> 6542
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6542
Thr Ala Ala Ala Ala Ala Xaa Glu Leu Gly Asp Xaa Pro Gly Cys Arg
1 5 10 15

Asn Ser Ile Ser Ser Leu Ser Ile Pro Ser Thr Ser Arg Gly Gly Pro
20 25 30

```
Val Pro Asn Ser Pro Tyr Xaa Glu Ser Xaa Tyr Asn Ser Leu Ala Val
         35                  40                  45

Gly Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Xaa Thr Gln Leu Asn
     50                  55                  60

Arg Xaa Xaa Gly His Pro Pro Phe Xaa Xaa Trp Arg Asn Ser Glu Glu
 65                  70                  75                  80

Ala Arg Thr Xaa Arg Leu Pro Thr Xaa Ala Gln Pro Glu Trp Arg Met
                 85                  90                  95

Gly Arg Ala Leu Tyr Gly Ala Leu Ser Arg Gly Gly Cys Gly
            100                 105                 110
```

<210> 6543
<211> 166
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (149)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (155)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6543
Asn Ser Ala Arg Gly Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr
1 5 10 15

Leu Thr Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Ala Tyr Ser Cys
20 25 30

Gln Gln Tyr Tyr Ser Phe Pro Phe Thr Phe Gly Pro Gly Thr Lys Val
35 40 45

Asp Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro
50 55 60

Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu
65 70 75 80

Asn Asn Phe Tyr Pro Xaa Glu Ala Lys Val Gln Trp Lys Val Asp Asn
85 90 95

Xaa Leu Gln Ser Gly Asn Xaa Gln Glu Ser Val Thr Glu Gln Asp Ser
100 105 110

Lys Asp Arg Xaa Thr Ala Ser Ala Ala Pro Asp Gly Glu Gln Ser Arg
115 120 125

Xaa Gly Glu His Lys Phe Arg Leu Arg Val Xaa Xaa Gln Gly Xaa Xaa
130 135 140

Xaa Arg Xaa Lys Xaa Leu Thr Gly Xaa Xaa Xaa Gly Glu Xaa Pro Leu
145 150 155 160

Phe Leu Phe Ser Xaa Pro
165

<210> 6544
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6544
Val Lys Ile Thr Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Tyr
1 5 10 15

Cys Met Gln Ala Leu Gln Thr Pro Phe Thr Phe Gly Pro Gly Thr Lys
20 25 30

Val Asp Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
35 40 45

Pro Ser Asp Glu Xaa Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu
50 55 60

Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp
65 70 75 80

Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp
85 90 95

Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys
100 105 110

Ala Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln
115 120 125

Gly Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
130 135 140

<210> 6545
<211> 157
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6545

```
Ser Cys Arg Ile Arg His Glu Val Leu Arg Gly Pro Leu Leu Gly His
  1               5                  10                  15

Thr Asp Ala Val Trp Gly Leu Ala Tyr Ser Ala Xaa His Gln Arg Leu
             20                  25                  30

Leu Ser Cys Ser Ala Xaa Gly Thr Leu Arg Leu Trp Asn Thr Thr Glu
         35                  40                  45

Val Ala Pro Ala Leu Xaa Val Phe Asn Asp Thr Lys Glu Leu Gly Ile
     50                  55                  60

Pro Ala Ser Val Asp Leu Xaa Ser Xaa Asp Pro Ser His Xaa Val Ser
 65                  70                  75                  80

Ser Phe Ser Lys Gly Tyr Thr Asn Ile Phe Asn Met Glu Thr Gln Gln
                 85                  90                  95

Arg Ile Leu Thr Leu Xaa Ser Asn Val Ile Gln Xaa Pro Thr Leu Pro
            100                 105                 110

Ala Lys Xaa Ile Xaa Xaa Ile Xaa Leu Leu Leu Phe Arg Ser Thr Ser
        115                 120                 125

Cys Ser Leu Lys Xaa Ala Ile Gln Phe Tyr Xaa Asn Xaa Ser Gly Lys
    130                 135                 140

Xaa Ser Leu His Gly Xaa Pro Leu Lys Leu Phe Gln Phe
145                 150                 155
```

BNSDOCID: <WO _ 0122920A2_I_ >

<210> 6546
<211> 69
<212> PRT
<213> Homo sapiens

<400> 6546
Lys Trp Arg Leu Arg Ser Ala Pro Ala Glu Glu Gly Glu Ala Gly Gly
1 5 10 15

Val Ser Val Leu Pro Val Cys Ser Thr Ala Pro Ala Ser Arg Thr Pro
20 25 30

Pro Ala His Ala Asp Phe Pro Ser Ser Ala Arg Leu Ser Leu Val Leu
35 40 45

Val Cys Ala Pro His Ala Pro Gly Arg Leu Val Ser His Cys Pro Ala
50 55 60

Arg Leu Arg Trp Pro
65

<210> 6547
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6547

Leu Arg Ala Asp Xaa Xaa Lys Leu Xaa His Gln Glu Arg Thr Gln Xaa
1 5 10 15

Leu Arg Gln Ala Pro Val Gly Xaa Gly Tyr Phe His Leu Leu Asp His
20 25 30

Lys Xaa Xaa Ala Xaa Cys Xaa Ala Asp Phe Arg Gly His Trp Val Leu
35 40 45

Ile Phe Phe Gly Phe Thr His Cys Pro Asp Ile Cys Pro Gln Gln Leu
50 55 60

Glu Lys Leu Val Gln Val Val Arg Glu Leu Xaa Thr Xaa Leu Val Phe

BNSDOCID: <WO _ 0122920A2_I_>

65 70 75 80

Leu Gln Xaa Thr Cys Leu His His Cys
85

<210> 6548
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6548
Gly Leu Xaa Phe Xaa Gly Met His Xaa Met Ala Xaa Thr His Trp Pro
1 5 10 15

Cys Pro Trp Pro Ala Leu Met Thr Arg Trp Thr Val Ser Leu Arg Ala
20 25 30

Pro Xaa Leu Ala Gln Leu Ser Asp Val Ala Met His Ser Leu Gly Xaa
35 40 45

Ala Phe Ile Tyr Xaa Gln Thr Asp Asp Ile Xaa Asp Val
50 55 60

<210> 6549
<211> 185
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (148)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (171)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6549

```
Met Arg Pro Glu Val Met Ser His Lys Xaa Xaa Ser Ala Pro Arg His
  1               5                  10                  15

Gly Ser Xaa Xaa Phe Leu Pro Arg Lys Arg Xaa Thr Xaa Xaa Arg Gly
             20                  25                  30

Lys Val Xaa Ile Phe Pro Lys Asp Asp Pro Ser Lys Pro Val His Leu
         35                  40                  45

Thr Ser Phe Leu Gly Tyr Lys Ala Gly Met Thr His Ile Val Xaa Glu
     50                  55                  60

Val Asp Arg Pro Gly Ser Xaa Val Asn Xaa Lys Glu Val Val Glu Ala
 65                  70                  75                  80

Val Thr Ile Val Glu Thr Pro Pro Met Val Val Val Gly Ile Val Xaa
                85                  90                  95

Xaa Met Lys Thr Pro Arg Xaa Leu Arg Thr Phe Xaa Thr Val Phe Ala
            100                 105                 110

Xaa His Ile Ser Asp Glu Cys Xaa Arg Arg Phe Tyr Xaa Asn Trp Xaa
        115                 120                 125

Ser Ser Asn Asn Xaa Ala Phe Thr Xaa Tyr Cys Xaa Lys Xaa Gln Asp
    130                 135                 140

Xaa Asp Xaa Xaa Lys Xaa Leu Gly Glu Xaa Leu Gln Gln His Glu Lys
145                 150                 155                 160

Ile Cys Pro Val Ile Arg Val Ile Ala His Xaa Gln Asp Ser Pro Ala
                165                 170                 175
```

Ser Ser Ala Pro Xaa Lys Lys Ala Thr
180 185

<210> 6550
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6550
Ala Ala Val Gly Phe Phe Leu Gly Ile Val Trp Ser Gly Ala Gly Thr
1 5 10 15

Gln Leu Xaa Phe Gly Glu Arg Pro Ala Xaa Lys Met Ile Gly Xaa Asn
20 25 30

Ser Pro Leu Leu Val Gly Leu
35

<210> 6551
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6551
Gly Ile Pro Lys Ala Asp Ile Thr Trp Glu Leu Pro Asp Lys Xaa His
1 5 10 15

Leu Lys Ala Xaa Val Gln Ala Arg Xaa Tyr Gly Asn Xaa Phe Leu Xaa
20 25 30

Pro

<210> 6552
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6552
Cys Val Phe Gln Gln Ile Tyr His Asn Tyr Leu Met Cys Ile Ser Xaa
1 5 10 15

Xaa Tyr His Asn Tyr Val Met Cys Ile Ser Thr Ile Cys His Ser Xaa
20 25 30

Leu Ile Cys Xaa Ser Lys Xaa His Ala Val Leu Ala Leu His Xaa Asn
35 40 45

Xaa Glu Thr Ile Arg Asn His His Thr Xaa Glu Thr Leu Xaa Xaa Gln
50 55 60

Cys Xaa Ile Ile Ser Glu Arg Lys Leu Leu Phe Cys His Leu Tyr Ile
65 70 75 80

Phe Met

<210> 6553
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6553
Asn Pro Thr Ser Leu Leu Gly Xaa Phe Gly Tyr Arg Pro Pro Pro Ala
1 5 10 15

Val Phe Trp Arg Ala Ala Ala Ile Gly Pro Tyr Ala Thr Leu Met Pro
20 25 30

Val Gly Leu Gln Gln Gly Pro Gln Ser Asp Gln Glu Leu Glu Gln Ala
35 40 45

Pro Gly Thr Ala Arg Arg Arg Gly Arg Leu Thr Lys His Thr Lys Phe
50 55 60

Val Arg Asp Met Ile Arg Glu Val Cys Gly Phe Ala Pro Tyr Glu Arg
65 70 75 80

Arg Ala Met Glu Leu Leu Lys Val Ser Lys Asp Lys Arg Ala Leu Lys
85 90 95

Phe Ile Lys Lys Arg Val Gly Thr His Ile Arg Ala Lys Arg Lys Arg
100 105 110

Glu Glu Leu Ser Asn Val Leu Ala Ala Met Arg Lys Ala Ala Ala Lys
115 120 125

Lys Asp
130

<210> 6554
<211> 79
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6554
Ser Arg Arg Ser Xaa Leu Gly Ala Ala Xaa Xaa Gln Ser Val Glu Glu
1 5 10 15

Arg Ala Xaa Glu Xaa Pro Ser Cys Leu Gly Thr Leu Arg Xaa Val Ser
20 25 30

Ala Val Trp Xaa Thr Asn Arg Phe Xaa Xaa Leu Xaa Asn Asp Val Ser
35 40 45

Asp Pro Phe Glu Gly Ala Glu Gly Ser Gln Arg Thr Xaa Lys Lys Lys
50 55 60

Pro Gly Gly Xaa Arg Arg Leu Xaa Ala Leu Xaa Ser Ser Cys Ala
65 70 75

<210> 6555
<211> 69
<212> PRT
<213> Homo sapiens

<400> 6555
Ser Leu Asp Arg Val Ser Val Pro Met Trp Gly Thr Phe Leu Ser Glu
1 5 10 15

Pro Leu Ser Ile Glu Gly Leu Val Gly Arg Tyr Leu Thr Asn Asn Leu
20 25 30

BNSDOCID: <WO __0122920A2_I >

Met Glu Arg Ile Pro Ile Leu Tyr Arg Asn Pro Leu Ile Ile Arg Pro
35 40 45

Cys Gly Met Ile Ile Pro Ser Gly Ile Asn Leu Ser Phe Glu Arg Leu
50 55 60

Ser Pro Ser Lys Gly
65

<210> 6556
<211> 178
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6556
Ile Thr Met Asp Trp Gln Ser Ile Lys Ile Gln Glu Leu Met Ser Asp
1 5 10 15

Asp Gln Arg Glu Ala Gly Arg Ile Pro Arg Thr Ile Glu Cys Glu Leu
20 25 30

Val His Asp Leu Val Asp Ser Cys Val Pro Gly Asp Thr Val Thr Ile
35 40 45

```
Thr Gly Ile Val Lys Val Ser Asn Ala Glu Glu Gly Ser Arg Asn Lys
     50                  55                  60

Asn Asp Lys Cys Met Phe Leu Leu Tyr Ile Glu Ala Asn Ser Ile Ser
 65                  70                  75                  80

Asn Ser Lys Gly Gln Lys Thr Lys Ser Ser Glu Asp Gly Cys Lys His
                 85                  90                  95

Gly Met Leu Met Glu Phe Ser Leu Lys Asp Leu Tyr Ala Ile Gln Glu
            100                 105                 110

Ile Gln Ala Glu Glu Asn Leu Phe Lys Leu Ile Val Asn Ser Leu Cys
        115                 120                 125

Pro Val Ile Phe Gly His Glu Ala Ala Cys Asn Val Ala Pro Arg Gly
    130                 135                 140

Val Tyr Xaa Cys Gly Asn Thr Thr Thr Thr Phe Gly Leu Thr Val Thr
145                 150                 155                 160

Leu Ser Lys Asp Xaa Xaa Xaa Gly Xaa Phe Ala Phe Gly Thr Trp Cys
                165                 170                 175

Pro Trp
```

<210> 6557
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6557
Arg Ser Met Thr Val Glu Pro Asn Pro Phe Gln Arg Lys Val Leu Xaa
1 5 10 15

Lys Gly Phe Glu Pro Ala Asp Asn Lys Xaa Leu Leu Arg Ala Thr Asp
20 25 30

Gly Lys Lys Lys Ile Ser Thr Val Val Ser Ser Lys Glu Val Asn Lys
35 40 45

Phe Gln Xaa Ala Tyr Ser Asn Leu Leu Arg Ala Asn Met Asp Gly Xaa
50 55 60

Lys Xaa Arg Asp Xaa
65

<210> 6558
<211> 24
<212> PRT
<213> Homo sapiens

<400> 6558
His Ile Pro Ser Pro Ala Lys Lys Val Pro Arg Leu Pro Ala Thr Ala
1 5 10 15

Ala Glu Pro Glu Ser Ser Cys His
20

<210> 6559
<211> 178
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (173)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (176)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (177)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6559

```
Trp Arg Leu Met Ser Arg Phe Asn Ala Phe Lys Arg Thr Asn Thr Ile
  1               5                  10                  15

Leu His His Leu Arg Met Ser Lys His Thr Asp Ala Ala Glu Glu Val
             20                  25                  30

Leu Leu Glu Lys Lys Gly Cys Ala Gly Val Ile Thr Leu Asn Arg Pro
         35                  40                  45

Lys Phe Leu Asn Ala Leu Thr Leu Asn Met Ile Arg Gln Ile Tyr Pro
     50                  55                  60

Gln Leu Lys Lys Trp Glu Gln Asp Pro Glu Thr Phe Leu Ile Ile Ile
 65                  70                  75                  80

Lys Gly Ala Gly Gly Lys Ala Phe Cys Ala Gly Gly Asp Ile Arg Val
                 85                  90                  95

Ile Ser Glu Ala Glu Lys Ala Lys Gln Lys Ile Ala Pro Val Phe Phe
            100                 105                 110

Arg Glu Glu Tyr Met Leu Asn Asn Ala Val Gly Ser Cys Gln Lys Pro
        115                 120                 125

Tyr Val Ala Leu Ile His Gly Ile Thr Met Gly Gly Gly Val Gly Leu
    130                 135                 140
```

Xaa Val His Gly Gln Phe Xaa Val Ala Thr Glu Lys Val Ser Phe Cys
145 150 155 160

Tyr Ala Arg Asn Cys Asn Arg Thr Gly Pro Leu Met Xaa Gly Gly Xaa
165 170 175

Xaa Phe

<210> 6560
<211> 86
<212> PRT
<213> Homo sapiens

<400> 6560
Phe Gly Arg Ala Asp Ser Glu Arg Gln Asn Gln Glu Tyr Gln Arg Leu
1 5 10 15

Met Asp Ile Lys Ser Arg Leu Glu Gln Glu Ile Ala Ile Tyr Arg Ser
20 25 30

Leu Leu Glu Gly Gln Glu Asp His Ser Gln Gln Phe Val Cys Leu Gln
35 40 45

Gly Pro Leu Arg Gln Gln Ala Leu Gly Leu Leu Leu Ser Phe Gly Gly
50 55 60

Cys Leu Leu Gly Arg Gly Met Gly Arg Lys Gly Pro Leu Pro Pro Ala
65 70 75 80

Leu Leu Leu Thr Cys Gln
85

<210> 6561
<211> 165
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)

BNSDOCID: <WO__ 0122920A2 I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6561

```
Thr His Tyr Xaa Gly Xaa Ala Gly Xaa Pro Ala Gly Thr Gly Pro Glu
  1               5                  10                  15

Phe Pro Gly Arg Pro Xaa Arg Pro Xaa Glu Gln Asn Arg Lys Asp Ala
             20                  25                  30

Glu Ala Trp Phe Thr Ser Arg Thr Glu Glu Leu Asn Arg Glu Val Ala
         35                  40                  45

Gly His Thr Glu Gln Leu Gln Met Ser Arg Ser Glu Val Thr Asp Leu
     50                  55                  60

Arg Arg Thr Leu Gln Gly Leu Glu Ile Glu Leu Gln Ser Gln Leu Ser
 65                  70                  75                  80

Met Lys Ala Ala Leu Glu Asp Thr Leu Ala Glu Thr Glu Ala Arg Phe
                 85                  90                  95

Gly Ala Gln Leu Ala His Ile Gln Ala Leu Ile Ser Gly Ile Glu Ala
            100                 105                 110

Gln Leu Gly Asp Val Arg Ala Asp Ser Glu Arg Gln Asn Gln Glu Tyr
        115                 120                 125

Gln Arg Leu Met Asp Ile Lys Ser Arg Leu Glu Gln Glu Ile Ala Thr
    130                 135                 140

Tyr Arg Ser Leu Leu Glu Gly Gln Glu Asp His Tyr Asn Asn Leu Ser
145                 150                 155                 160

Ala Ser Lys Val Leu
                165
```

BNSDOCID <WO_ 0122920A2 I >

<210> 6562
<211> 180
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6562

Asp Lys Xaa Glu Thr Trp Arg Glu Val Tyr Leu Gln Asp Ser Phe Lys
1 5 10 15

Pro Leu Val Cys Ile Ser Pro Asn Ala Ser Leu Phe Asp Ala Val Ser
20 25 30

Ser Leu Ile Arg Asn Lys Ile His Arg Leu Pro Val Ile Asp Pro Glu
35 40 45

Ser Gly Asn Thr Leu Tyr Ile Leu Thr His Lys Arg Ile Leu Lys Phe
50 55 60

Leu Lys Leu Phe Ile Thr Glu Phe Pro Lys Pro Glu Phe Met Ser Lys
65 70 75 80

Ser Xaa Glu Lys Leu Pro Xaa Trp Xaa Leu Cys Gln Tyr Cys Tyr Gly
85 90 95

Ser Thr Thr Thr Pro Val Tyr Val Ala Leu Gly Ile Phe Val Gln His
100 105 110

Arg Val Ser Ala Leu Pro Val Val Asp Glu Lys Gly Arg Val Val Asp
115 120 125

```
Ile Tyr Ser Lys Phe Asp Val Ile Asn Leu Ala Ala Glu Lys Thr Tyr
    130                 135                 140

Asn Asn Leu Asp Val Ser Val Thr Lys Ala Leu Gln His Arg Ser His
145                 150                 155                 160

Tyr Phe Glu Gly Val Leu Lys Cys Tyr Leu His Glu Thr Trp Arg Pro
                165                 170                 175

Ser Leu Thr Gly
            180
```

<210> 6563
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6563

```
Asn Ser Ala Xaa Val Ala Arg Thr Ile Gly Ile Ser Val Asp Pro Arg
  1               5                  10                  15

Arg Arg Asn Lys Ser Thr Glu Ser Xaa Gln Ala Asn Val Gln Xaa Leu
             20                  25                  30
```

Lys Glu Tyr Arg Ser Lys Leu Ile Leu Phe Xaa Arg Xaa Pro Ser Ala
35 40 45

Pro Lys Lys Gly Asp Ser Ser Ala Glu Glu Leu Arg Thr Gly Pro Pro
50 55 60

Ser
65

<210> 6564
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 I. >

<400> 6564
His Arg Asn His Leu Gly Xaa Xaa His Gly Lys Ile Ser Ser Gly Gly
1 5 10 15

Xaa Ser His Thr Xaa Xaa Ile Pro Met Xaa Leu Val Val Phe Xaa Pro
20 25 30

Xaa Leu Cys Xaa Lys Met Gly Xaa Pro Tyr Cys Ile Ile Lys Gly Lys
35 40 45

Xaa Xaa Leu Ala Thr Tyr Xaa Ser Thr Gly Ser Xaa Cys Thr Ile Val
50 55 60

Arg Leu Xaa Thr Gly Val Leu Gly Thr Xaa Lys Gly Xaa Phe
65 70 75

<210> 6565
<211> 58
<212> PRT
<213> Homo sapiens

<400> 6565
Arg Thr Ala Val Met Pro Arg Glu Asp Arg Ala Thr Trp Lys Ser Asn
1 5 10 15

Tyr Phe Leu Lys Ile Ile Gln Leu Leu Asp Asp Tyr Pro Lys Cys Phe
20 25 30

Ile Val Gly Ala Asp Asn Val Gly Ser Lys Gln Met Gln Gln Ile Pro
35 40 45

His Val Pro Ser Arg Glu Gly Leu Trp Cys
50 55

<210> 6566
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6566
Asn Thr Val Leu Ser Gly Gly Thr Thr Met Tyr Pro Gly Ile Ala Asp
1 5 10 15

Arg Met Gln Xaa Glu Ile Thr Ala Leu Ala Pro Ser Thr Met Lys Ile
20 25 30

Lys Ile Ile Ala Pro Pro Xaa Arg Lys Phe Ser Val Trp Asp Arg Xaa
35 40 45

Xaa Pro Ser Trp Xaa Arg Cys Pro Pro Ser Asn Arg Phe Xaa Ser Ala
50 55 60

Ser Xaa Asn Xaa Glu Xaa Ile Pro Gly Pro Ser His Pro Ser Thr Arg
65 70 75 80

Lys Leu Leu Pro Xaa Gly Gly Xaa Asn Xaa Leu Ile Leu Arg Leu Gln
85 90 95

Pro Phe Ser Phe Glu Lys Lys Pro
100

<210> 6567
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6567

```
Cys Asp Pro Pro Ala Lys Gly Cys Gln Gly Leu Phe His Tyr Gly Leu
 1               5                  10                  15

Cys Val Leu Pro Phe Arg His Leu Arg Asn Ser Ser His Ala Gly Ala
            20                  25                  30

Phe Val Ile Val Thr Glu Glu Ala Ile Ala Lys Gly Ile Arg Arg Asn
        35                  40                  45

Cys Gly Xaa Ser Gln Val Pro Arg Pro Xaa Xaa Gly Glu Pro Gly Xaa
    50                  55                  60

Ser Leu Gly
65
```

<210> 6568
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6568

```
Pro Xaa Gln Lys Gly Asp Thr Gly Glu Pro Gly Leu Pro Gly Thr Lys
 1               5                  10                  15
```

Gly Thr Arg Gly Pro Pro Gly Ala Ser Gly Tyr Pro Gly Asn Pro Gly
20 25 30

Leu Pro Gly Ile Pro Gly Gln Asp Gly Pro Pro Gly Pro Pro Gly Ile
35 40 45

Pro Gly Cys Asn Gly Thr Lys Gly Glu Arg Gly Pro Leu Gly Pro Pro
50 55 60

Gly Leu Pro Gly Phe Ala Gly Asn Pro Gly Pro Pro Gly Leu Pro Gly
65 70 75 80

Met Lys Gly Asp Pro Xaa Glu Ile Leu Gly His Val Pro Gly Met Leu
85 90 95

Leu Lys Gly Glu Arg Arg Phe Pro Glu Xaa Xaa Gly Leu Xaa Ala
100 105 110

<210> 6569
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6569
Ala Ser Gly Asn Val Lys Lys Ala Leu Lys Leu Met Gly Ser Asn Glu
1 5 10 15

Gly Glu Phe Lys Ala Glu Gly Asn Ser Lys Phe Thr Tyr Thr Val Leu
20 25 30

```
Glu Asp Gly Cys Thr Lys His Thr Gly Glu Trp Ser Lys Thr Val Phe
         35                  40                  45

Glu Tyr Arg Thr Arg Lys Ala Val Arg Leu Pro Ile Val Asp Ile Ala
     50                  55                  60

Pro Tyr Asp Ile Gly Gly Pro Asp Gln Glu Phe Gly Val Asp Val Xaa
 65                  70                  75                  80

Pro Asp Ser Leu Tyr Xaa Pro Asn Xaa Xaa
                 85                  90
```

<210> 6570
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6570
Trp Ala Tyr Leu Phe Gln Ala Ala Gly Ala Xaa Tyr Val Val Leu Thr
1 5 10 15

Thr Lys His His Glu Gly Phe Thr Asn Trp Xaa Ser Pro Val Ser Trp
20 25 30

Asn Trp Asn Ser Lys Asp Val Gly Pro His Xaa Asp Leu Val Gly Glu
35 40 45

Leu Gly Thr Ala Leu Arg Lys Arg Asn Xaa Arg Tyr Gly Leu Tyr His
50 55 60

Xaa Leu Leu Glu Trp Xaa His Xaa Leu Tyr Leu Leu Asp Lys
65 70 75

<210> 6571
<211> 153
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6571
Asp Met Arg Pro Leu Ser Asn Lys Ala Ser Ala Leu Val Phe Phe Ser
1 5 10 15

Cys Arg Thr Asp Met Pro Tyr Arg Tyr His Ser Ser Leu Gly Gln Leu
20 25 30

Asn Phe Thr Gly Ser Val Ile Tyr Glu Ala Gln Asp Val Tyr Ser Gly
35 40 45

Asp Ile Ile Ser Gly Leu Arg Asp Glu Thr Asn Phe Thr Val Ile Ile
50 55 60

Asn Pro Ser Gly Val Val Met Trp Tyr Leu Tyr Pro Ile Lys Asn Trp
65 70 75 80

Arg Cys Pro Ser Ser Glu Glu Leu Gly His Val Thr Gly Cys Gly Gly
85 90 95

Thr Thr Glu Pro Arg Xaa Trp Xaa Leu Gly Met Pro Arg Ala Ser Xaa
100 105 110

Glu Val Leu Cys Ser Pro Gly Cys Ser Val Thr Asp Pro Ser Ser Gln
115 120 125

Xaa His Leu Thr Ala Ser Leu Ser Phe Gln Xaa Lys Pro Leu Glu Ile
130 135 140

Phe Gly His Phe Leu Trp Leu Leu Ala
145 150

<210> 6572
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2_I_>

<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6572
Pro Asn His Ser Xaa Tyr Arg Ala Ile Gly Val Ser Lys Xaa Cys Leu
1 5 10 15

Ser Gly Ile Asp Val Arg Tyr Leu His Phe Leu Glu Gly Thr Arg Asp
20 25 30

Tyr Asp Trp Leu Glu Pro Leu Leu Xaa Asn Gln Thr Val Met Ser Ile
35 40 45

Xaa Leu Phe Trp Phe Arg His Arg Pro Gln Glu Ser Phe Ser Gly Ser
50 55 60

Pro Ala His Arg Gln Val Pro Val Xaa Ala Pro Arg Leu Ser Pro Ile
65 70 75 80

His Glu Gln Gln Val Thr
85

<210> 6573
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6573
Tyr Ile Gln Ser His Tyr Gln Leu Glu Leu Gln Cys Cys Ile Asp Trp
1 5 10 15

Thr His Val Thr Asp Pro Leu His Arg Xaa Gln Lys Leu Gln Glu Glu
20 25 30

Lys His Lys Ser Ile Thr Glu Ala Leu Arg Arg Gln Glu Gln Asn Ile
35 40 45

Lys Ser Phe Glu Glu Thr Tyr Asp Arg Lys Leu Lys Asn Glu Leu Leu
50 55 60

Asn Phe His Arg Leu His Gly Val Cys Leu Ala Leu Gly Ile Leu Ile
65 70 75 80

<210> 6574
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6574
Tyr Ala Leu Arg Arg His Lys Leu Met Ser Leu Ile Gln Lys Glu Ala
1 5 10 15

Gln Gly Gln Ser Gly Thr Asp Gln Thr Val Gly Val Leu Ser Asn Pro
20 25 30

Thr Tyr Tyr Met Ser Asn Asp Ile Pro Tyr Thr Phe His Gln Asp Asn
35 40 45

Asn Phe Leu Tyr Leu Cys Gly Phe Gln Glu Pro Asp Ser Ile Leu Val
50 55 60

```
Leu Xaa Ser Leu Pro Gly Lys Gln Leu Pro Xaa His Lys Ala Ile Leu
 65                  70                  75                  80

Phe Val Pro Arg Arg Asp Pro Ser Arg Glu Leu Trp Asp Gly Pro Xaa
                85                  90                  95

Ser Gly Thr Asp Gly Ala Ile Ser Ser Asn Trp Ser Arg Arg Ser Leu
            100                 105                 110

Tyr Ala Arg Arg Ile Ser Thr Xaa Cys Thr Lys Asn Glu Ser
        115                 120                 125
```

<210> 6575
<211> 145
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6575

```
Gly Lys Phe Cys Val Gln Ser Glu Arg Gln Asp Ser Ala Ala Val Gly
  1               5                  10                  15

Phe Asp Tyr Lys Glu Lys Leu Ala Lys His Glu Ser Gln Gln Asp Tyr
             20                  25                  30

Ser Lys Gly Phe Gly Gly Lys Tyr Gly Val Gln Lys Asp Arg Met Asp
         35                  40                  45

Lys Asn Ala Ser Thr Phe Glu Asp Val Thr Gln Val Ser Ser Ala Tyr
```

```
     50                  55                  60

Gln Lys Thr Val Pro Val Glu Ala Val Thr Ser Lys Thr Ser Asn Ile
 65                  70                  75                  80

Arg Ala Asn Phe Glu Asn Leu Ala Lys Glu Lys Glu Gln Glu Asp Arg
                85                  90                  95

Arg Lys Ala Xaa Ala Glu Arg Ala Gln Arg Met Ala Lys Glu Arg Gln
            100                 105                 110

Glu Gln Glu Glu Ala Arg Lys Lys Leu Gly Xaa Thr Ser Gln Ser Gln
        115                 120                 125

Asn Ala Asn Ala Pro Cys Val Xaa Arg Thr Leu Ser Gln Pro Xaa Glu
    130                 135                 140

Lys
145
```

<210> 6576
<211> 76
<212> PRT
<213> Homo sapiens

<400> 6576

```
Gly Gln Cys Cys Gln Glu Leu Arg Thr Ser Leu Arg Asn Val Thr Leu
  1               5                  10                  15

His Cys Thr Asp Gly Ser Ser Arg Ala Phe Ser Tyr Thr Glu Val Glu
            20                  25                  30

Glu Cys Gly Cys Met Gly Arg Arg Cys Pro Ala Pro Gly Asp Thr Gln
        35                  40                  45

His Ser Glu Glu Ala Glu Pro Glu Pro Ser Gln Glu Ala Glu Ser Gly
    50                  55                  60

Ser Trp Glu Arg Gly Val Pro Val Ser Pro Met His
 65                  70                  75
```

<210> 6577
<211> 39
<212> PRT
<213> Homo sapiens

<400> 6577

```
Leu Asp Asp Trp Gly Glu Thr Cys Lys Gly Cys Ala Glu Lys Ser Asp
  1               5                  10                  15

Tyr Ile Arg Lys Ile Asn Glu Leu Met Pro Lys Tyr Ala Pro Lys Ala
             20                  25                  30

Ala Ser Ala Arg Thr Asp Leu
         35
```

<210> 6578
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6578

```
Glu Phe Gly Arg Gly Ile Asn Leu Glu Thr Pro Ser Met Val Ala Gly
  1               5                  10                  15

Met Glu Phe Ile Lys Val Gly Arg Ala Trp Glu Asp Gly Lys Val Gly
             20                  25                  30

Ser Ala Cys Pro Gly Ile Phe Arg Trp Pro Gly Val Leu Pro Xaa Gly
         35                  40                  45

Arg Val Ile Gly Glu Pro Thr Glu Ser Asp Gly Arg Val Pro His Arg
     50                  55                  60

Gly Pro Ala Gly Gly Arg Arg Gly Cys Pro Arg Thr Glu
 65                  70                  75
```

<210> 6579
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6579
Lys Met Pro Lys Ser Leu Lys Xaa Xaa Gln Thr Glu Xaa Leu Xaa Asn
1 5 10 15

Ala Leu Leu Gln Gly Xaa Pro Val Xaa Xaa Gly Arg Cys Xaa Arg Gln
20 25 30

Pro Leu Thr Arg Cys Ile Ala Thr Ala Ser Gly Ser Lys Leu Lys Gly
35 40 45

Gln Pro Val Arg Ile Xaa Pro Gly Lys Ser Asp Xaa Arg His Gln Pro
50 55 60

Gly Gly Ser Met Arg Thr Gly Pro Thr Glu Ser Leu Ile Gln Gly Leu
65 70 75 80

His Gln Ser Val Phe Arg Ala Xaa Lys Arg Ile Gly Leu Val Leu Phe
85 90 95

Gly Lys Gly Asn Thr Gly Phe Pro Leu Ala Gly Thr Val Arg Pro
100 105 110

<210> 6580
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO _ 0122920A2 I_>

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6580
Leu Thr Tyr Val Arg Pro Lys Gly Leu Ile Ser Met Xaa Glu Ser Arg
1 5 10 15

Ser Cys Asp Gly His Leu Gly Asn Phe Leu Gly Ala Arg Ser Pro Asp
20 25 30

Glu Thr Ile Phe Cys Asn Asp Xaa Pro Leu His Leu Leu His Xaa Trp
35 40 45

Ser Pro Asp Ile Ile Pro Xaa Leu Val Ser Cys Arg Phe Thr Lys Glu
50 55 60

Thr Thr Xaa Lys Asn Phe Asn Xaa Xaa Tyr Gly Thr Lys Gly Asn Tyr
65 70 75 80

Thr Ser Xaa Xaa Trp Glu Tyr Ser Xaa Ser Ile Gln Asn Ser Asp Asn
85 90 95

Asp Leu Pro Val Phe Gln Gly Ile Ser Ser Phe Ser Leu Lys Gly Tyr
100 105 110

Xaa Xaa Leu Met Arg Ser Xaa Ser Xaa Lys Ala Gln Pro Gln Thr Trp
115 120 125

Lys Ser Gly
130

<210> 6581
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6581
Leu Ala Phe Xaa Xaa Ile Lys Leu Gly Arg Tyr Ser Gly Leu Xaa His

```
  1               5                  10                  15

Gly Val Ala Tyr Gly Ala Thr Arg Tyr Asn Tyr Leu Lys Pro Arg Ala
             20                  25                  30

Glu Glu Glu Arg Arg Ile Ala Ala Glu Glu Lys Lys Lys Gln Asp Glu
         35                  40                  45

Leu Lys Arg Ile Ala Arg Glu Leu Ala Glu Asp Asp Ser Ile Leu Lys
     50                  55                  60

Xaa Val Thr Leu Arg Pro Thr Pro Trp Thr Ser Ser Gly
 65                  70                  75
```

<210> 6582
<211> 58
<212> PRT
<213> Homo sapiens

<400> 6582

```
Pro Arg Lys Leu Lys Gln Thr Leu Arg Thr Lys Met Asn Glu Asn Leu
  1               5                  10                  15

Phe Ala Ser Phe Ile Ala Pro Thr Ile Leu Gly Leu Pro Ala Ala Val
             20                  25                  30

Leu Ile Ile Leu Phe Pro Pro Leu Leu Ile Pro Thr Ser Lys Tyr Leu
         35                  40                  45

Ile Asn Asn Arg Leu Ile Thr Thr Gln Gln
     50                  55
```

<210> 6583
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6583
Ala Gly Ala Val Ile Ile Gly Phe Arg Ser Lys Ile Lys Asn Ala Leu
1 5 10 15

Ala His Phe Leu Pro Gln Gly Thr Pro Thr Pro Leu Ile Pro Ile Leu
20 25 30

Val Ile Ile Glu Thr Ile Ser Leu Leu Ile Gln Pro Ile Ala Leu Ala
35 40 45

Val Arg Leu Thr Ala Tyr Ile Thr Ala Xaa His Leu Leu Met His Leu
50 55 60

Ile Gly Xaa Ala Thr Leu Xaa Ile Ser Thr Ile Asn Leu Pro Ser Thr
65 70 75 80

Leu Ile Ile Phe Thr Ile Leu Ile Leu Leu Thr Ile Leu Glu Ile Ala
85 90 95

Val Ala Leu Ile Gln Ser Leu Arg Phe Pro His Phe Xaa Leu Ser Leu
100 105 110

Leu Pro Ala Gln Gln Xaa
115

<210> 6584
<211> 84
<212> PRT
<213> Homo sapiens

<400> 6584
Ile Gly Val Thr Ala Val Ala Phe Asn Lys Glu Leu Asp Pro Ile Gln
1 5 10 15

Lys Leu Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser Lys Arg Gln Thr
20 25 30

Ser Gly Gly Pro Val Asp Ala Ser Ser Glu Tyr Gln Gln Glu Leu Glu
35 40 45

Arg Glu Leu Phe Lys Leu Lys Gln Met Phe Gly Asn Ala Asp Met Asn
50 55 60

Thr Phe Pro Thr Phe Lys Phe Glu Asp Pro Lys Phe Glu Val Ile Glu
65 70 75 80

Lys Pro Gln Ala

<210> 6585
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6585
Xaa Gly Ala Val Ile Ile Xaa Phe Arg Ser Lys Ile Lys Xaa Ala Leu
1 5 10 15

Ala His Phe Leu Ser Lys Xaa Thr Pro Thr Pro Leu Ile Pro Ile Leu
20 25 30

Val Ile Met Xaa Asn Xaa Ile Leu Leu Xaa Xaa Pro Ile Ala Leu Gly
35 40 45

Val Ser Leu Ile Ala Tyr Ile Thr Xaa Gly His Xaa Leu Met His Leu
50 55 60

Ile Gly Xaa Val Pro Tyr Asn Ile Asn His
65 70

<210> 6586
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO___0122920A2 I_>

<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6586
Arg Glu Ala Phe Gln Ser Val Val Leu Pro Ala Phe Glu Lys Ser Cys
1 5 10 15

Gln Ala Met Phe Gln Gln Ile Asn Asp Ser Phe Arg Leu Gly Thr Gln
20 25 30

Glu Tyr Leu Gln Gln Leu Glu Ser His Met Lys Ser Arg Lys Ala Arg
35 40 45

Glu Gln Glu Ala Arg Glu Pro Val Leu Ala Gln Gln Ala His Ile Leu
50 55 60

Gln Leu Leu Gln Gln Gly His Leu Asn Gln Ala Xaa Gln Gln Ala Leu
65 70 75 80

Thr Ala Ala Asp Leu Asn Leu Val Leu Val Cys Val
85 90

<210> 6587
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6587
Ala Val Leu Ala Leu Leu Ser Leu Ser Gly Leu Glu Ala Ile Gln Arg
1 5 10 15

Thr Pro Lys Ile Gln Val Tyr Ser Arg His Pro Ala Glu Asn Gly Lys
20 25 30

```
Ser Asn Phe Leu Asn Cys Tyr Val Ser Gly Phe His Pro Ser Asp Ile
         35                  40                  45

Glu Val Asp Leu Leu Lys Asn Gly Glu Arg Ile Glu Lys Ser Gly Ala
     50                  55                  60

Phe Arg Leu Xaa Phe Gln Gln Gly Leu Val Phe Leu Ser Xaa Xaa Leu
 65                  70                  75                  80

His
```

<210> 6588
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6588

```
Pro Gln Lys Pro Leu Ser Ser Thr Pro Thr Gly Cys Xaa Trp Gly Lys
  1               5                  10                  15

Thr Gln Gly Leu Gln Cys Leu Gly Pro Gly Trp Arg His Leu His Ala
             20                  25                  30
```

Val Pro Thr Ala Pro Pro Ala Leu Arg His Gly Leu Leu Arg Xaa Met
35 40 45

Cys Leu Pro Trp Thr Arg Arg Leu Gly Tyr Ser Ala Met Pro Gln Ala
50 55 60

Leu Thr Leu Val Pro Ser Trp Leu Pro Gly Pro Pro Gly Arg Thr Ser
65 70 75 80

Ala Ala Arg Gly Cys Gly Arg Pro Ser Arg Ser Trp Arg Ala Ala Ala
85 90 95

Glu Ala Gly Gly Pro Gly Gly Xaa Gly Pro Ala Xaa Val Gly Ser Gly
100 105 110

Ala Gly Gly Arg Arg Pro Ala Val Thr Gly Ala Ala Pro Ala Ser Leu
115 120 125

Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg Pro
130 135 140

Pro Pro Arg Trp Ser Xaa Ser Phe Val Pro
145 150

<210> 6589
<211> 128
<212> PRT
<213> Homo sapiens

<400> 6589
Val Cys Met Ser Tyr Ala Phe His Thr Pro Asp Lys Leu Ser Phe Ile
1 5 10 15

Leu Asp Leu Met Asn Gly Gly Asp Leu His Tyr His Leu Ser Gln His
20 25 30

Gly Val Phe Ser Glu Ala Asp Met Arg Phe Tyr Ala Ala Glu Ile Ile
35 40 45

Leu Gly Leu Glu His Met His Asn Arg Phe Val Val Tyr Arg Asp Leu
50 55 60

Lys Pro Ala Asn Ile Leu Leu Asp Glu His Gly His Val Arg Ile Ser
65 70 75 80

Asp Leu Gly Leu Ala Cys Asp Phe Ser Arg Arg Ser Pro Met Pro Ala
85 90 95

Trp Ala Pro Thr Gly Thr Trp Leu Arg Arg Ser Cys Arg Arg Ala Trp

100 105 110

Pro Thr Thr Ala Val Pro Thr Gly Ser Leu Trp Gly Ala Cys Ser Ser
115 120 125

<210> 6590
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6590
Xaa Pro Thr Pro Val Thr Phe Gly Phe Xaa Pro Ser Phe Phe Ala Thr
1 5 10 15

Phe Ala Gly Phe Pro Arg Gln Ala Xaa Asn Xaa Gly Leu Pro Leu Gly
20 25 30

Phe Pro Ile Xaa Xaa Phe Thr
35

<210> 6591
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6591
Xaa Thr Ile Gly Lys Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe
1 5 10 15

Pro Gly Val Val Thr Arg Xaa Val Thr Ala Thr Leu Ala Ser Ala Leu
20 25 30

Xaa Pro Ala Pro Phe Ala Phe Phe Pro Ser Phe Leu Ala Thr Phe Ala
35 40 45

Gly Phe Pro Arg Gln Ala Leu Asn Arg Gly Leu Pro Leu Gly Phe Arg
50 55 60

Phe Ser Ala Leu Arg His Leu Asp Pro Lys Lys Leu Asp
65 70 75

<210> 6592
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO 0122920A2 I >

<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6592
Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
1 5 10 15

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
20 25 30

Val Val Leu Gln Arg Arg Asp Trp Glu Xaa Pro Lys Xaa Ala Gln Xaa
35 40 45

Asp

<210> 6593
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6593
Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
1 5 10 15

BNSDOCID: <WO__ 0122920A2 I >

```
Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
            20                  25                  30

Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu
        35                  40                  45

Asn Arg Leu Ala Ala His Pro Pro Phe Ala Xaa Trp Arg Asn Ser Xaa
    50                  55                  60

Glu Ala Arg Thr Asp Arg Leu Pro Asn Ser Cys Ala Xaa
65                  70                  75
```

<210> 6594
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6594

```
Xaa Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly
  1               5                  10                  15

Ile Pro Gly Ser Thr His Ala Ser Ala His Ala Ser Gly Gly
            20                  25                  30
```

<210> 6595
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ _0122920A2_I_>

<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6595
Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
1 5 10 15

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
20 25 30

Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu
35 40 45

Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Xaa Glu
50 55 60

Xaa Ala Arg Asn Xaa Xaa Pro Xaa Pro Asn Arg Leu Arg Ser Leu Glu
65 70 75 80

Trp Arg Met Gly Arg Ala Leu
85

<210> 6596
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6596
Lys Lys Lys Lys Arg Ala Ala Ala Leu Glu Asp Pro Ser Leu Arg Thr
1 5 10 15

Arg Ala Cys Arg Arg His Xaa Ser Ser Ile Val Ser Pro Lys Phe Asn
20 25 30

Ser Leu Gly Arg Arg Leu His Val Val Thr Gly Xaa Asn Pro Ala Val
35 40 45

Pro Gln Leu Asn Pro Pro Cys Arg Thr Ser Pro Phe Arg Lys Xaa Xaa
50 55 60

Ile Pro Lys Gly Pro Thr Xaa
65 70

<210> 6597
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6597
Ser Gly Thr Thr Xaa Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg
1 5 10 15

Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Leu Trp Ser Gln Cys
20 25 30

<210> 6598
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6598
Ala Ser Ser Arg Ser Arg Ala Xaa Xaa Leu Glu Asp Pro Ser Leu Arg
1 5 10 15

Thr Arg Ala Cys Arg Arg His Ser Xaa Ser Ile Val Ser Pro Lys Phe
20 25 30

Asn Ser Leu Ala Val Val Leu Gln Arg Xaa Asp Trp Glu Asn Pro Gly
35 40 45

Xaa Thr Gln Leu Lys Arg Leu Ala Val His Ser Leu Phe Xaa Gln Xaa
50 55 60

Xaa
65

<210> 6599
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6599
Thr Ser Asp Xaa Thr Lys Lys Lys Lys Lys Gly Gly Arg Ser Xaa Gly
1 5 10 15

Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Xaa Ile Val
20 25 30

Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp
35 40 45

Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Thr Pro
50 55 60

Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Thr Asp Arg Pro Xaa
65 70 75 80

Gln Gln Leu Xaa Ser Leu Asn Gly Glu Trp Asp Ala Pro Cys Ser Gly
85 90 95

Xaa Leu Ser Ala Xaa Gly Val Val Val Thr
100 105

<210> 6600
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6600
Xaa Xaa Pro Phe Gly Asn Pro Xaa Gly Thr Thr Xaa Tyr Arg Glu Ser
1 5 10 15

Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala
20 25 30

Ser Ala Asp Ala Trp Ala Asp Ala Trp Ala Asp Ala Trp Val Lys Xaa
35 40 45

Gly Tyr Lys Lys Leu Phe Val Leu Asp Asp Arg Glu Ala His Asn Glu
50 55 60

Val Xaa Pro Leu Xaa Xaa
65 70

<210> 6601
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__0122920A2 I >

<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6601
Ile Asn Leu Cys Asn Leu Lys Asn Xaa Xaa Glu Gly Gly Arg Ser Arg
1 5 10 15

Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile
20 25 30

Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp
35 40 45

Trp Glu Asn Pro Gly Val Thr Xaa Leu Asn Arg Leu Ala Ala His Xaa
50 55 60

Pro Phe Xaa Gln Xaa
65

<210> 6602
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6602
Leu Xaa Xaa Leu Trp Lys Thr Pro His Tyr Arg Leu Ser Trp Tyr Ala
1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Xaa Xaa Ser
20 25 30

<210> 6603
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6603
Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His
1 5 10 15

Ala Ser Gly Glu Ser Ser His Tyr Xaa Phe Ser Xaa Gly Xaa Gly Ala
20 25 30

Gly Xaa Phe Lys Ser Phe
35

<210> 6604
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6604
Asn Ser Ser Gly Asn Pro His Tyr Arg Xaa Ser Trp Tyr Ala Cys Arg
1 5 10 15

Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala His Ala Ser
20 25 30

Ala His Ala Xaa Glu Lys Xaa Arg Xaa Lys Lys Xaa

BNSDOCID: <WO__ 0122920A2_I >

35 40

<210> 6605
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6605
Xaa Ser Pro Ala Ser Tyr Pro Xaa His Tyr Arg Glu Ser Trp Tyr Ala
1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Asp
20 25 30

Ala Trp Val Asp Pro Xaa Ile Xaa Xaa Xaa Xaa
35 40

<210> 6606
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6606
Tyr Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro
1 5 10 15

Gly Ser Thr His Ala Ser Gly Gln Xaa Xaa Xaa Phe Leu Trp Pro Thr
20 25 30

Ser Glu Pro Val Thr Arg Lys Gly Lys Xaa Gly Arg Xaa Glu Asp Pro
35 40 45

Thr Tyr Glu Xaa Asn Val Tyr Gly Leu

BNSDOCID: <WO___0122920A2_I >

50 55

<210> 6607
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6607
Tyr Pro His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly
1 5 10 15

Ile Pro Gly Ser Thr His Ala Xaa Ala Glu Arg Glu Thr Ile Ser Ser
20 25 30

Leu Gln Gly Thr Ile Pro Gly Asn Val Leu Ile His Tyr Gly Ile Lys
35 40 45

Ala Val Val
50

<210> 6608
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6608
Pro Xaa Lys Leu Leu Xaa Asn Thr Pro His Tyr Arg Glu Ser Trp Tyr
1 5 10 15

Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly
20 25 30

His Phe

<210> 6609
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6609
Ile Ala Ser Gly Arg Ser Arg Arg Ser Lys Leu Thr Tyr Ala Cys Met
1 5 10 15

Arg Arg His Ser Ser Ser Ile Leu Ser Pro Lys Phe Asn Ser Leu Ala
20 25 30

Val Xaa Leu Gln Arg Arg Asp Trp Glu Asn Xaa Thr Xaa Xaa Pro Ser
35 40 45

<210> 6610
<211> 41
<212> PRT
<213> Homo sapiens

<400> 6610

```
Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
  1               5                  10                  15

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
             20                  25                  30

Val Val Leu Gln Arg Arg Asp Trp Glu
         35                  40
```

<210> 6611
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6611

```
Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
  1               5                  10                  15

Arg Arg His Xaa Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
             20                  25                  30

Val Val Leu Gln Arg Arg Asp Trp Glu Thr Lys Xaa Xaa
         35                  40                  45
```

<210> 6612
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)

BNSDOCID: <WO__ 0122920A2 I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6612
Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
1 5 10 15

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
20 25 30

Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Xaa Arg Xaa Xaa
35 40 45

<210> 6613
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6613
Phe Xaa Ile Xaa Ser Gly Arg Xaa Arg Gly Ser Xaa Leu Xaa Tyr Ala
1 5 10 15

Cys Met Arg Xaa His Ser Ser Xaa Ile Met Ser Pro Lys Phe Asn Ser
20 25 30

Leu Ala Xaa Xaa Leu Gln Arg Arg Asp Trp Glu Asn Glu Cys
35 40 45

<210> 6614
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6614

Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
1 5 10 15

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
20 25 30

Val Val Leu Gln Arg Arg Asp Trp Thr Pro Lys Xaa Xaa
35 40 45

<210> 6615
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6615
Asp Tyr Xaa Xaa Ser Asn Thr Ser His Tyr Xaa Glu Ser Trp Tyr Ala
1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala
20 25 30

<210> 6616
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6616

Gly Gly Gly Val Gly Asn Asp Tyr Ala Leu Ser Asn Thr Xaa His Tyr
1 5 10 15

Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser
20 25 30

Thr His Ala Ser
35

<210> 6617
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6617
Leu Arg Xaa Ser Gln Ile Arg Xaa Xaa Ile Gly Xaa Ser Trp Tyr Ala
1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Val

20 25 30

Leu Val Val Ile Phe Phe Phe Xaa Pro Gly Cys Xaa Leu Phe
35 40 45

<210> 6618
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6618
Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
1 5 10 15

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
20 25 30

Val Val Leu Gln Arg Arg Asp Trp Asp Pro Lys Xaa Xaa
35 40 45

<210> 6619
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6619
Ile Ala Ser Gly Arg Ser Xaa Gly Ser Lys Leu Thr Tyr Ala Cys Met
1 5 10 15

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
20 25 30

Val Val Leu Gln Arg Arg Asp Trp Glu Thr Gln Xaa Xaa
35 40 45

<210> 6620
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6620
Arg Val Gly Thr Lys Thr Ser Arg Gly Xaa Lys Arg Ala Ala Ala Leu
1 5 10 15

Lys Asp Pro Ser Leu Arg Thr Arg Ala Cys Gly Arg His Ser Ser Ser
20 25 30

Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg
35 40 45

Asp Trp Asp Pro Xaa Asn Xaa Xaa Gly

50 55

<210> 6621
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6621
Met Asp Ile Ser Leu Leu Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg
1 5 10 15

Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Xaa Ile
20 25 30

Xaa Ser Pro Lys Phe Asn Xaa Leu Ala Arg
35 40

<210> 6622
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6622
Ile Xaa Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
1 5 10 15

Arg Arg His Ser Ser Ser Ile Xaa Thr Pro Lys Phe Asn Ser Leu Ala
20 25 30

Val Xaa Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu
35 40 45

Asn Arg Leu Ala Ala His Pro Xaa Phe Ala Ser Trp Arg Asn Ser Glu
50 55 60

Glu Ala Arg Thr Asp Arg Leu Ala Asn Arg Cys Ala Xaa
65 70 75

<210> 6623
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6623
Arg Ile Gln Ala Tyr Arg Thr Arg Ala Cys Arg Arg His Ser Ser Ser
1 5 10 15

Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg
20 25 30

Asp Trp Glu Asn Pro Asp Xaa Xaa Xaa
35 40

<210> 6624
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6624
Leu Arg Gln Ala Leu Ile Arg Leu Thr Ile Xaa Ile Xaa Trp Tyr Ala
1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala His
20 25 30

Ala Ser Val
35

<210> 6625
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6625
Leu Arg Gln Ala Leu Ile Arg Leu Thr Ile Gly Xaa Xaa Trp Tyr Ala
1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Lys
20 25 30

Ser Asp Arg Ile Val Asn Glu Thr
35 40

<210> 6626
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6626
Leu Arg Gln Ala Leu Ile Arg Leu Thr Ile Xaa Ile Xaa Trp Tyr Ala
1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Glu Tyr
20 25 30

Leu Leu Leu Glu
35

<210> 6627
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO _ _0122920A2_I_>

<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6627
Pro Xaa Leu Arg Gln Ala Leu Ile Arg Leu Thr Ile Gly Xaa Ser Trp
1 5 10 15

Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser
20 25 30

Asp

<210> 6628
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6628
Xaa Lys Gly Asn Xaa Xaa Thr Ala Met Thr Met Ile Thr Pro Ser Ser
1 5 10 15

Asn Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Xaa
20 25 30

Gly Xaa Pro Gly Ser Thr His Ala Xaa Ala His Ala Ser Xaa Pro Met
35 40 45

Thr Thr Lys Gly Arg Lys Lys Tyr Phe Leu His
50 55

<210> 6629
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6629
Thr Ile Gly Asn Leu His Arg Ile Thr Ala Met Thr Met Ile Thr Pro
1 5 10 15

Ser Ser Asn Thr Thr His Tyr Xaa Glu Ser Trp Xaa Ala Cys Arg Tyr
20 25 30

Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Asp His Phe Ala His
35 40 45

Xaa Ser Phe Leu Xaa Glu His Ser Lys Lys Met Cys Xaa
50 55 60

<210> 6630
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6630
Met Gly Xaa Leu Pro Pro Pro Phe Pro Gly Lys Thr Xaa Leu Thr Met
1 5 10 15

Ile Xaa Pro Ser Ser Asn Thr Thr His Tyr Leu Glu Ser Trp Xaa Ala
20 25 30

Cys Arg Xaa Arg Xaa Gly Ile Pro Xaa Ser Xaa His Ala Ser Gly Ser
35 40 45

Arg Glu Glu Ala Xaa Ala Thr Met Glu Asn Lys Xaa Ile Cys Ala Leu
50 55 60

Xaa Leu Xaa Xaa Met Leu Ala Leu Gly Thr Leu Ala

BNSDOCID: <WO _ 0122920A2 I >

65 70 75

<210> 6631
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6631
Xaa Gly Gly Xaa Leu Thr Gly Asn Xaa Asn Asn Phe Thr Gln Glu Thr
1 5 10 15

Ala Met Thr Met Ile Thr Pro Ser Ser Asn Thr Thr His Tyr Arg Glu
20 25 30

Ser Trp Tyr Ala Cys Arg Tyr Arg Xaa Gly Ile Pro Gly Ser Thr His
35 40 45

Ala Ser Ala Trp Xaa Ser Xaa Ile
50 55

<210> 6632
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6632
Tyr Asp Ser Leu Phe Gly Lys Val Trp Tyr Ala Cys Arg Tyr Arg Ser
1 5 10 15

Gly Ile Pro Gly Ser Thr His Ala Ser Gly Ile Phe Val Lys Asn Ile
20 25 30

Leu His Tyr Leu Gln Asn Lys Glu Thr Arg Xaa Xaa
35 40

<210> 6633
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6633
Thr Met Leu Arg Gln Ala Leu Ile Arg Leu Thr Ile Gly Lys Cys Trp
1 5 10 15

Tyr Val Cys Arg Tyr Arg Xaa Gly Ile Pro Gly Xaa Thr His Ala Ser
20 25 30

Gly

<210> 6634
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6634
Val Ser Ile Gly Asn Ser Leu Thr Met Ile Thr Pro Ser Ser Asn Thr
1 5 10 15

Thr His Tyr Arg Glu Xaa Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile
20 25 30

Pro Gly Ser Thr His Ala Ser Gly
35 40

<210> 6635
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6635
Arg Glu Tyr Ser Phe Leu Leu Glu Thr Ala Ile Thr Met Ile Thr Pro
1 5 10 15

BNSDOCID: <WO__ 0122920A2 I. >

Ser Ser Asn Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr
20 25 30

Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Glu Xaa Xaa Xaa Arg
35 40 45

Thr Leu Lys Asn
50

<210> 6636
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6636
Thr Val Ser Leu Gly Asn Ser Leu Thr Met Ile Thr Pro Ser Ser Asn
1 5 10 15

Thr Thr His Tyr Arg Glu Xaa Trp Tyr Ala Cys Arg Tyr Arg Ser Gly
20 25 30

Ile Pro Gly Ser Thr His Ala Ser Glu Ser Phe Lys Ser Trp Val Phe
35 40 45

Arg Leu Leu Cys Ser Ser Cys Val Phe Asn Ile Leu
50 55 60

<210> 6637
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _0122920A2 I_>

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6637
Glu Xaa Pro Xaa Phe Ile Leu Glu Thr Ala Ile Thr Met Ile Thr Pro
1 5 10 15

Ser Ser Asn Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala Cys Arg Tyr
20 25 30

Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Pro Xaa Lys Ile
35 40 45

Arg Lys His Xaa Ser Tyr Ser His Val Glu Xaa Xaa Ala
50 55 60

<210> 6638
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6638
Ala Xaa Xaa Pro His Phe Xaa Thr Thr His Tyr Arg Glu Xaa Trp Tyr
1 5 10 15

Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Glu
20 25 30

Ile Thr Phe Cys Gly His Cys Lys Ile Asn Ile Trp
35 40

<210> 6639
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6639
Ile Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met
1 5 10 15

Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
20 25 30

Xaa Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu
35 40 45

Asn Arg Leu Ala Ala His Xaa Pro Phe Ala Ala Gly Val Ile Ala Lys
50 55 60

Lys Pro Ala Pro Ile Gly Leu Pro Thr Ser Cys Ala Ala

65 70 75

<210> 6640
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6640
Lys Lys Xaa Xaa Xaa Xaa Xaa Lys Lys Lys Gly Gly Arg Ser Xaa Gly
1 5 10 15

Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Xaa Ser Ser Ile Val
20 25 30

Ala Pro Lys Phe Asn Tyr Trp Pro Arg Phe Thr Thr Ser Asp Trp Glu
35 40 45

Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Gly Xaa Asn Xaa Leu Leu
50 55 60

<210> 6641
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6641
Tyr Ser Tyr Xaa Leu Pro Tyr Xaa Ile Phe Ile Leu Asn Lys Ile Ile
1 5 10 15

Trp Arg Phe Leu Pro Gln Xaa Xaa Xaa Xaa Lys Xaa Xaa Xaa Pro Ser
20 25 30

BNSDOCID: <WO _ 0122920A2 I >

```
Xaa Lys Gly Gly Arg Xaa Xaa Arg Ser Lys Leu Thr Tyr Ala Cys Met
         35                  40                  45

Gln Arg His Asn Ser Ser Ile Val Ser Leu Asn Ser Ile Xaa Trp Ala
     50                  55                  60

Val Val Leu Gln Arg Xaa Asp Trp
 65                  70
```

<210> 6642
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6642

```
Arg Thr Xaa Phe Trp Asn Thr Xaa Xaa Tyr Arg Glu Ser Trp Tyr Ala
  1               5                  10                  15
```

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Xaa
20 25 30

Leu Xaa Gly Xaa Gly Leu
35

<210> 6643
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6643
Ile Arg Xaa Xaa Xaa Leu Arg Xaa Asp Thr Thr His Tyr Arg Glu Ser
1 5 10 15

Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Xaa Thr His Ala
20 25 30

Ser Val Glu Ile Cys Pro Pro Xaa Ser Arg Pro Xaa Ser Ser Gln Ser
35 40 45

Asn Gly Glu Gly Tyr Ser Xaa Cys Arg Arg Pro Gln Ala Leu Glu Ala
50 55 60

Ala Thr Tyr Leu Asn Pro Val Pro Xaa Arg Ile Leu Leu Lys Pro Phe
65 70 75 80

<210> 6644
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6644
Pro Xaa Ala Trp Xaa Leu Xaa Thr Gln Leu Gly Thr Thr His Tyr Arg
1 5 10 15

Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr
20 25 30

His Ala Ser Gly Lys Thr Trp Ile Ile Xaa Val Cys Cys Thr Arg Gly
35 40 45

Ser Xaa Gly Xaa Leu Thr Ala Lys Asn Asp
50 55

<210> 6645
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6645
Phe Gly Ile Gln Leu Xaa Xaa Xaa Arg Leu Gly Thr Thr His Tyr Arg
1 5 10 15

Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr
20 25 30

His Ala Xaa Asp Xaa Met Xaa Leu Trp Leu Leu Gln
35 40

<210> 6646
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6646
Thr Pro Val Gly Thr Thr His Tyr Arg Glu Xaa Trp Tyr Ala Cys Arg
1 5 10 15

Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Ala Glu Xaa
20 25 30

Ser Gly Ile Xaa Leu Glu Ala Gly Lys Asn Gln Xaa Val Leu Xaa Cys
35 40 45

Gly Ser Gly Gln Gly Leu Glu Arg Pro Xaa Pro
50 55

<210> 6647
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6647
Ile Cys Asn Thr Xaa His Tyr Arg Glu Ser Trp Xaa Ala Cys Arg Tyr
1 5 10 15

Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Asp Ser Lys Asp Xaa
20 25 30

Ser Val Asp Gly Ser Xaa
35

<210> 6648
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6648
Pro Ile Phe Xaa Trp Lys His Ala Met Thr Met Ile Thr Pro Ser Ser
1 5 10 15

Asn Thr Thr His Tyr Arg Xaa Ser Trp Xaa Ala Cys Arg Tyr Arg Ala
20 25 30

Gly Ile Pro Gly Ser Thr His Ala Ser Gly Asp Xaa Xaa
35 40 45

<210> 6649

<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6649
Tyr Glu Xaa Xaa Lys Leu Leu Arg Glu Ser Xaa Asn Asn Phe Thr Gln
1 5 10 15

Glu Thr Ala Met Thr Met Ile Thr Pro Ser Ser Asn Thr Thr His Tyr
20 25 30

Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser
35 40 45

Thr His Ala Ser Gly Pro Ser Arg Glu Ile Pro Arg Ser Leu His Leu
50 55 60

Val Ile Xaa Thr Glu His Arg Pro Pro Thr Met Glu Leu Gly Leu Ser
65 70 75 80

Trp Ile Xaa Leu Xaa Ala Met Ile Lys Gly Val Asn

85 90

<210> 6650
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6650
Leu Pro Xaa Xaa Xaa Asn Thr Thr His Tyr Arg Glu Ser Trp Tyr Ala
1 5 10 15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Glu Lys
20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Lys Lys
35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60

Lys Lys Lys Xaa Gly Xaa Xaa
65 70

<210> 6651
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6651
Asn Leu Thr Gln Val Ala Ala Met Xaa Met Ile Thr Xaa Xaa Ser Asn
1 5 10 15

Thr Thr His Tyr Arg Glu Ser Xaa Tyr Ala Cys Arg Tyr Arg Ser Gly
20 25 30

Ile Pro Gly Ser Thr His Ala Leu Arg Tyr Cys Gly Pro Xaa Ala His
35 40 45

Arg Phe Thr Ser Pro Pro Cys Xaa Ser Leu Xaa Leu Xaa Met Leu Met
50 55 60

<210> 6652
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6652
Thr Cys Ser Pro Gly Lys Xaa Xaa Thr Ile Leu His Arg Lys Thr Ala
1 5 10 15

BNSDOCID: <WO__0122920A2 I >

Met Thr Met Ile Thr Pro Ser Ser Asn Thr Thr His Tyr Arg Glu Ser
20 25 30

Xaa Xaa Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala
35 40 45

Ser Gly Gln Ala
50

<210> 6653
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6653
Gln Glu Thr Ala Met Thr Met Ile Thr Pro Ser Ser Asn Thr Thr His
1 5 10 15

Tyr Arg Asp Cys Trp Xaa Ala Cys Arg Tyr Arg Ala Gly Ile Xaa Gly
20 25 30

Ser Thr His Ala Ser Xaa Arg
35

<210> 6654
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO__0122920A2_I_>

<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6654

```
Leu Leu Asp Asn Thr Leu Thr Gln Xaa Thr Ala Met Thr Met Ile Thr
  1               5                  10                  15

Pro Ser Ser Asn Thr Thr His Tyr Arg Xaa Xaa Trp Tyr Ala Cys Xaa
            20                  25                  30

Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Val Xaa Arg Leu
        35                  40                  45

Leu Ala Thr Cys Phe Ala Arg Xaa Arg Xaa Thr Tyr Xaa Thr
    50                  55                  60
```

BNSDOCID: <WO 0122920A2 I >

<210> 6655
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6655
Xaa Asn Xaa Xaa Thr Gln Asp Thr Ala Met Thr Met Ile Thr Pro Ser
1 5 10 15

Ser Asn Thr Thr His Tyr Arg Xaa Ser Cys Tyr Ala Cys Xaa Tyr Arg
20 25 30

Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Phe Gly Val His Lys
35 40 45

Met Ser Gly Ser Leu Asn Phe Leu Ser Asn Leu Glu Cys Leu Leu His
50 55 60

Leu Phe Asn Phe Cys Lys Cys Leu Lys
65 70

<210> 6656

BNSDOCID: <WO_ 0122920A2 I_ >

<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6656
Leu Xaa Cys Thr Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser
1 5 10 15

Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Val Ser
20 25 30

Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu
35 40 45

Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Xaa Pro Phe
50 55 60

Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln
65 70 75 80

Gln Leu Arg Ser Leu Asn Gly Glu Trp Asp Ala Pro Cys Ser Gly Ala
85 90 95

Leu Ser Ala Xaa Xaa Val Xaa
100

<210> 6657
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6657
Ile Ala Ser Gly Arg Ser Arg Gly Xaa Lys Leu Thr Tyr Ala Cys Met
1 5 10 15

```
Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala
             20                  25                  30

Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu
         35                  40                  45

Asn Xaa Leu Ala Xaa His Pro Pro Phe Xaa Ser Trp Arg Asn Ser Glu
     50                  55                  60

Glu Ala Arg Thr Asp Arg Pro Phe Gln Gln Leu Arg Ser Leu Asn Gly
 65                  70                  75                  80

Glu Trp Asp Ala Pro Cys Ser Gly Ala Leu Ser Ala Ala Xaa Val Xaa
                 85                  90                  95

Val Thr Arg Ser Val Thr Val Thr Leu Ala Arg Xaa Xaa
            100                 105
```

<210> 6658
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO_ 0122920A2 I >

<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6658
Lys Lys Lys Xaa Glu Lys Xaa Lys Gly Gly Arg Ser Arg Gly Ser Lys
1 5 10 15

Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Gly Ser Pro
20 25 30

Lys Xaa Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn
35 40 45

Pro Gly Val Thr Gln Leu Arg Gly Xaa Gly Ser Thr Xaa Pro Xaa Arg
50 55 60

Gln Leu Ala Glu Glu Arg Arg Gly Ala Ala Pro Ile Ala Leu Ala Asn
65 70 75 80

Ser Cys Ala Ala

<210> 6659
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6659
Lys Xaa Lys Lys Lys Lys Gly Gly Arg Ser Xaa Gly Ser Lys Leu Thr
1 5 10 15

Tyr Ala Cys Met Xaa Arg His Ser Ser Ser Ile Xaa Ser Pro Lys Phe
20 25 30

Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly
35 40 45

Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp
50 55 60

Arg Asn Ser Xaa Lys Ala Arg Thr Asp Arg Pro Xaa Gln Gln Leu Arg
65 70 75 80

Ser Leu Asn Gly Xaa Met Gly Thr Arg Pro Val Thr Gly Ala Leu Ser
85 90 95

Xaa Ala Gly Trp Xaa
100

<210> 6660
<211> 92
<212> PRT

BNSDOCID: <WO__0122920A2_I_>

<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6660
Phe Xaa Xaa Xaa Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala
1 5 10 15

Cys Met Arg Arg Tyr Ser Tyr Ser Ile Val Ser Pro Lys Phe Asn Ser
20 25 30

Leu Ala Val Val Leu Gln Arg Xaa Asp Trp Glu Asn Pro Gly Val Thr
35 40 45

Xaa Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Cys Asn
50 55 60

Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Lys Leu

65 70 75 80

Asn Gly Glu Trp Asp Pro Ala Leu Xaa Arg Gly Xaa
85 90

<210> 6661
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6661
Asn Thr Lys Asn Pro Xaa Lys Lys Lys Lys Lys Lys Gly Gly Arg Ser
1 5 10 15

Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Ser
20 25 30

Ile Val Xaa Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Xaa
35 40 45

Xaa Trp Glu Asn Pro Gly Val Thr Gln Xaa Asn
50 55

<210> 6662
<211> 71
<212> PRT
<213> Homo sapiens

<400> 6662
Ile Lys Val Ile Thr Ile Lys Lys Lys Lys Lys Lys Gly Gly Arg Ser
1 5 10 15

Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Ser
20 25 30

Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg
35 40 45

Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His
50 55 60

Pro Pro Phe Ala Ser Trp Pro
65 70

<210> 6663
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6663
Xaa Xaa Asp Leu Xaa Cys Gln Xaa Asp Tyr Arg Glu Ser Trp Tyr Ala

```
  1               5                  10                  15

Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Gln
            20                  25                  30

Leu Leu Arg Ser Glu Pro Phe Pro Leu His Phe Leu Phe Thr Gln Gly
        35                  40                  45

Gly Ala Gly Ser Gly Gly Arg Lys Leu Gly Gly Gly Val
    50                  55                  60
```

<210> 6664
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6664

```
Ile Ala Ser Gly Arg Ser Ile Gly Ser Lys Leu Thr Tyr Ala Cys Met
  1               5                  10                  15

Arg Arg His Asn Ser Ser Xaa Val Ser Pro Lys Xaa Asn Ser Leu Ala
            20                  25                  30

Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Xaa
        35                  40
```

<210> 6665
<211> 45
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6665
Gly Xaa Xaa Leu Thr Phe Pro Phe Met Xaa Xaa His Asn Ser Ser Ile
1 5 10 15

Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Pro Asp
20 25 30

Trp Xaa Xaa Lys Asn Xaa Arg Asn Xaa Lys Val Arg Arg
35 40 45

<210> 6666
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6666
Thr Ser Ser Arg Xaa Ala Ser Gly Arg Ser Arg Gly Ser Lys Leu Thr
1 5 10 15

Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Xaa
20 25 30

Asn Ser Leu Ala Val Val Xaa Gln Arg Arg Asp Trp Glu Asn Pro Arg
35 40 45

Xaa Ser Cys Gly Ser
50

<210> 6667
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6667
Thr Ser Ser Ser Ile Ala Ser Gly Arg Ser Arg Arg Ser Lys Leu Thr
1 5 10 15

Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe
20 25 30

Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Pro Gln Lys
35 40 45

Xaa Xaa Xaa
50

<210> 6668
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6668
Ser Leu Arg Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Xaa Ser
1 5 10 15

Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu
20 25 30

Asn Xaa Xaa Lys Ser Cys Lys Arg Gly Xaa Glu Leu Asn Leu Val Xaa
35 40 45

Tyr Arg Arg Leu
50

<210> 6669
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6669
Leu Phe Ile Xaa Ala Pro Lys Phe Asn Ser Leu Gly Pro Ser Phe Thr
1 5 10 15

Arg Xaa Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Xaa Arg Leu Gly
20 25 30

Xaa Asn Pro Pro Phe Ala Asn Trp Gly Ile Thr Lys Lys Ala

35 40 45

<210> 6670
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6670
Ile Gln Phe Thr Xaa Arg Xaa Leu Gln Xaa Xaa Asp Trp Glu Asn Pro
1 5 10 15

Gly Val Xaa Gln Leu Asn Arg Leu Ala Ala His Pro Pro
20 25

<210> 6671
<211> 158
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6671
Arg Gly Trp Ala Xaa Xaa Pro Xaa Arg Arg Xaa Pro Val Glu Asp Xaa
1 5 10 15

His Leu Pro Arg Leu Val Ser Arg Thr Pro Gly Thr Xaa Pro Xaa Tyr
20 25 30

Xaa His Ser Tyr Leu Gly Ser Ala Arg Glu Arg Gln Ala Arg Ser Glu
35 40 45

Gly Xaa Ser Xaa Gly Gly Xaa Leu Glu Thr Pro Ser Lys Arg Ser Ala
50 55 60

Gln Ile Gly Pro Arg Xaa Ala Ser Tyr Tyr Ala Trp Ser Xaa Pro Gly
65 70 75 80

Xaa Tyr Lys Ala Gly Ser Ser Gln Asp Asp Gln Glu Asp Ala Cys Asp
85 90 95

Asp Ala Leu Ser Xaa Tyr Ser Xaa Leu Glu Leu Thr Arg Xaa Xaa Ser
100 105 110

Tyr Arg Gly Arg Ser Xaa Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg
115 120 125

Arg His Ser Ser Ser Ile Xaa Xaa Pro Lys Xaa Asn Ser Leu Ala Val
130 135 140

Xaa Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln
145 150 155

<210> 6672
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6672
Ser Val Asn Val Thr Ile Lys Ser Ser Lys Val Lys Lys Xaa Xaa Lys
1 5 10 15

Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg
20 25 30

His Xaa Ser Ser Ile Val Ser Pro Lys Xaa Asn Ser Leu Ala Gly Xaa
35 40 45

Phe Thr Thr Val Val Thr Gly Lys Asn Pro Gly Val Thr Gln Leu Asn
50 55 60

Arg Leu Cys Xaa His Ile Pro Pro Phe Arg Gln Leu Ala
65 70 75

<210> 6673
<211> 77
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6673
Gln Gln Xaa Xaa Ser Leu Asn Gly Xaa Trp His Ala Pro Cys Ser Gly
1 5 10 15

Ala Leu Xaa Ala Ala Xaa Val Val Asp Thr Arg Ser Val Thr Ala Thr
20 25 30

Leu Ala Ser Xaa Leu Arg Pro Leu Leu Xaa Leu Tyr Phe Pro Ser Phe
35 40 45

Leu Ala Thr Phe Ser Arg Leu Ser Pro Xaa Lys Leu Xaa Asn Arg Xaa
50 55 60

Ala Ser Leu Xaa Gly Val Pro Ile Leu Xaa Ala Phe Tyr
65 70 75

<210> 6674
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6674

```
Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val
  1               5                  10                  15

Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn
             20                  25                  30

Arg Leu Ala Ala His Xaa Pro Phe Ala Ser Trp Xaa Asn Ser Glu Glu
         35                  40                  45

Ala Arg Thr Asp Arg Thr Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu
     50                  55                  60

Trp Asp Ala Pro Cys Ser Gly Ala Leu Xaa Ala Ala Gly Val Val Val
 65                  70                  75                  80

Thr Arg Xaa Xaa Thr Ala Thr Leu Xaa Ser
                 85                  90
```

<210> 6675
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6675
Cys Met Arg Arg His Ser Xaa Xaa Ile Xaa Xaa Pro Lys Phe Asn Ser
1 5 10 15

Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr
20 25 30

Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn
35 40 45

Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser
50 55 60

<210> 6676
<211> 137
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO__ 0122920A2_I_>

<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6676
Ile Lys Leu Gly Asn Gln Lys Lys Lys Lys Lys Xaa Lys Gly Gly Arg
1 5 10 15

Ser Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser
20 25 30

Ser Ile Val Xaa Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg
35 40 45

Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala
50 55 60

His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Thr Asp
65 70 75 80

Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Asp Ala Pro
85 90 95

Cys Ser Gly Ala Leu Ser Ala Ala Gly Val Val Val Thr Pro Gln Arg
100 105 110

Asp Pro Leu His Leu Pro Xaa Pro Tyr Arg Pro Xaa Pro Ser Leu Ser
115 120 125

Ser Leu Pro Xaa Xaa Pro Arg Ser Pro
130 135

<210> 6677
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6677
Glu Asn Pro Gly Gly Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro

```
  1               5                  10                  15

Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser
            20                  25                  30

Gln Gln Leu Arg Xaa Leu Asn Gly Glu Trp Asp Ala Pro Cys Ser Gly
        35                  40                  45

Ala Leu Ser Ala Ala Gly Val Val Gly Thr Arg Ser Xaa Thr Ala Thr
    50                  55                  60

Leu Ala Ala Pro Ser Ala Ala Leu Ser Leu Leu Pro Ser Phe Ser His
65                  70                  75                  80

Val Gly Gly Phe Pro Val Ser Ser Asn Gly Ala Pro
                85                  90
```

<210> 6678
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6678
Leu Ile Asp Arg Ser Xaa Arg Tyr Leu Pro Leu Xaa Ile Ile Leu Lys

BNSDOCID: <WO___0122920A2 I_>

```
  1               5                  10                  15

Thr Leu Xaa Ala Met Val Phe Asn Thr Phe Asn Val Leu His Trp Gln
            20                  25                  30

Arg Ile Xaa Asp Gln Ser Leu Pro Tyr His Asn Ile Thr Tyr Xaa
        35                  40                  45
```

<210> 6679
<211> 147
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6679

```
Thr Pro Pro Tyr Cys Pro Lys Ile Gln Ser Pro Pro Tyr Ser Ser Gln
  1               5                  10                  15

Gly Thr Thr Ser Asp Ala Ser Leu Trp Thr Pro Pro Gln Gly Cys Pro
             20                  25                  30

Trp Thr Gln Xaa Ser Pro Glu Pro Arg Asn Pro Pro Val Pro Trp Thr
         35                  40                  45

Xaa Val Pro Ala Thr Leu Glu Leu Ala Ala Val Tyr Gln Gly Leu Ser
     50                  55                  60

Val Ser Pro Glu Pro Cys Leu Ser Leu Gly Ala Pro Ser Leu Leu Pro
 65                  70                  75                  80

His Xaa Xaa Cys Gln Arg Leu Gln Pro Gln Thr Xaa Gly Xaa Cys Trp
                 85                  90                  95

Ser His Ser Ala Glu Val Val Pro Asn Ser Glu Asp Gln Gly Pro Gly
            100                 105                 110

Ala Ala Phe Gln Leu Ser Glu Xaa Ser Pro Thr Gln Ser Ser Xaa Leu
        115                 120                 125

Gln Phe Ser Gly Cys Pro Glu Leu Trp Gln Glu Xaa Leu Glu Gly Ala
    130                 135                 140

Xaa Leu Gly
145
```

<210> 6680
<211> 172
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (159)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (167)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (170)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6680
Phe Trp Leu Ala Gly Pro Lys Glu Glu Xaa Met Asp Xaa Asp Ile Pro
1 5 10 15

Ala Val Lys Val Lys Glu Glu Pro Arg Asp Glu Glu Glu Glu Ala Lys
20 25 30

Met Lys Ala Pro Pro Lys Ala Ala Arg Lys Thr Pro Gly Leu Pro Lys
35 40 45

Asp Val Ser Val Ala Glu Leu Leu Arg Glu Leu Ser Leu Thr Lys Glu
50 55 60

Glu Glu Leu Leu Phe Leu Gln Leu Pro Asp Thr Leu Pro Gly Gln Pro
65 70 75 80

Pro Thr Gln Asp Ile Lys Pro Ile Lys Thr Glu Val Gln Gly Glu Asp
85 90 95

Gly Gln Val Val Leu Ile Lys Gln Glu Lys Asp Arg Glu Ala Lys Leu
100 105 110

Ala Glu Asn Ala Cys Thr Leu Ala Asp Leu Thr Glu Gly Gln Val Gly
115 120 125

Lys Leu Leu Ile Arg Lys Ser Gly Arg Val Gln Leu Leu Leu Gly Lys
130 135 140

Val Thr Leu Asp Val Asp His Gly Asn Cys Leu Leu Leu Xaa Xaa Gly
145 150 155 160

Ala Gly Val Arg Gly Pro Xaa Arg Gln Xaa Asp Xaa
165 170

<210> 6681
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6681
Ile Ala Ala Ala Arg Val Trp Arg Leu Asn Arg Gly Leu Ser Gln Ala
1 5 10 15

Ala Leu Leu Leu Leu Arg Gln Pro Gly Ala Arg Gly Leu Ala Arg Ser

20 25 30

Val Ser Thr Trp Ala Pro Gly Gly Phe Pro Lys Gly Asp Xaa Gly Cys
35 40 45

Lys Gly Tyr Leu Xaa Xaa Xaa
50 55

<210> 6682
<211> 56
<212> PRT
<213> Homo sapiens

<400> 6682
Gly Leu Gln Ser Asn Met Pro Lys Phe Tyr Cys Asp Tyr Cys Asp Thr
1 5 10 15

Tyr Leu Thr His Asp Ser Pro Ser Val Arg Lys Thr His Cys Ser Gly
20 25 30

Arg Lys His Lys Glu Asn Val Lys Asp Tyr Tyr Leu Leu Leu His Ser
35 40 45

Leu Leu Leu Leu Leu Gln Gly Arg
50 55

<210> 6683
<211> 102
<212> PRT
<213> Homo sapiens

<400> 6683
Ser Phe Arg Arg Pro Met Ala Ser Ala Ser Thr Gln Pro Ala Ala Leu
1 5 10 15

Ser Ala Glu Gln Ala Lys Val Val Leu Ala Glu Val Ile Gln Ala Phe
20 25 30

Ser Ala Pro Glu Asn Ala Val Arg Met Asp Glu Ala Arg Asp Asn Ala
35 40 45

Cys Asn Asp Met Gly Val Leu Lys Phe Ala Arg Leu Val Lys Ser Tyr
50 55 60

Glu Ala Gln Asp Pro Glu Ile Ala Ser Leu Ser Gly Lys Leu Lys Ala
65 70 75 80

Leu Phe Leu Pro Pro Met Thr Leu Pro Pro His Gly Pro Ala Ala Gly
85 90 95

Gly Ser Val Ala Ala Ser
100

<210> 6684
<211> 97
<212> PRT
<213> Homo sapiens

<400> 6684
Pro Arg Val Arg Ala Asp Ile Asn Thr Lys Trp Ala Ala Thr Arg Trp
1 5 10 15

Ala Lys Lys Ile Glu Ala Arg Glu Arg Lys Ala Lys Met Thr Asp Phe
20 25 30

Asp Arg Phe Lys Val Met Lys Ala Lys Lys Met Arg Asn Arg Ile Ile
35 40 45

Lys Asn Glu Val Lys Lys Leu Gln Lys Ala Ala Leu Leu Lys Ala Ser
50 55 60

Pro Lys Lys Ala Pro Gly Thr Lys Gly Thr Ala Ala Ala Ala Ala Ala
65 70 75 80

Ala Ala Ala Ala Ala Ala Lys Val Pro Ala Lys Lys Ile Thr Ala Ala
85 90 95

Asn

<210> 6685
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6685
Asn Ala Xaa Ile Ser Ser Leu Gly Ala Pro Gly Thr Gly Xaa Glu Phe
1 5 10 15

Pro Gly Arg Pro Thr Arg Pro Leu Met Glu Lys Glu Phe Pro Gly Phe
20 25 30

Leu Glu Asn Gln Lys Asp Pro Leu Ala Val Asp Lys Ile Met Lys Asp
35 40 45

Leu Asp Gln Cys Arg Asp Gly Lys Val Gly Phe Gln Ser Phe Phe Ser
50 55 60

Leu Ile Ala Gly Leu Thr Ile Ala Cys Asn Asp Tyr Phe Val Val His
65 70 75 80

Met Lys Gln Lys Gly Lys Lys
85

<210> 6686
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6686

```
Thr Ile Gly Xaa Gly Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro
  1               5                  10                  15

Gly Arg Pro Thr Leu Ser Ser Ala Phe Pro Leu Xaa Thr Ser Thr Leu
             20                  25                  30

Ile Gln Xaa Lys Tyr Asp Pro Ser Leu Lys Pro Leu Xaa Xaa Ser Tyr
         35                  40                  45

Asp Gln Ala Thr Ser Leu Arg Ile Leu Asn Asn Gly His Ala Phe Asn
     50                  55                  60

Xaa Glu Leu Asp Asp Ser Xaa Asp Lys Ala Val Leu Lys Gly Gly Pro
 65                  70                  75                  80

Leu Asp Gly Thr Asn Arg Trp Ile Lys Leu His Phe Asn Trp Gly Xaa
                 85                  90                  95

Leu Xaa Gly Gln Arg Xaa Lys Thr Tyr Xaa
```

100 105

<210> 6687
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6687
Ser Ser Arg Leu Ala Phe Pro Lys Ala Thr Glu Glu Xaa Lys Ala Ser
1 5 10 15

Lys Pro His His Glu Trp Pro Ser Gly Thr Xaa Phe Ala Arg Thr Gly
20 25 30

Asp Pro Asn Ser Xaa Ala Leu Pro Pro Trp Pro Gln Phe Asn Gln Ala
35 40 45

Glu Thr Ile Ser Gly Asn Gln Pro Xaa Ala Xaa Gly Arg Thr Lys Phe
50 55 60

Gln Gly Gly Leu Asp Ala Ile Leu Val Lys Asn Pro Pro Gln Gln Asn
65 70 75 80

Thr Thr Trp Pro Xaa Xaa Gln Lys Asn Arg Lys Gly Pro Gly Gly Thr
85 90 95

Xaa Glu Gly Arg Pro Lys Xaa Phe Leu Gly Leu Gly Gln Thr
100 105 110

<210> 6688
<211> 129
<212> PRT
<213> Homo sapiens

<400> 6688
Gly Phe Asn Asp Glu Leu Glu Ala Phe Lys Glu Arg Val Arg Gly Arg
1 5 10 15

Ala Lys Leu Arg Ile Glu Lys Ala Met Lys Glu Tyr Glu Glu Glu Glu
20 25 30

Arg Lys Lys Arg Leu Gly Pro Gly Gly Leu Asp Pro Val Glu Val Tyr
35 40 45

Glu Ser Leu Pro Glu Glu Leu Gln Lys Cys Phe Asp Val Lys Asp Val
50 55 60

Gln Met Leu Gln Asp Ala Ile Ser Lys Met Asp Pro Thr Asp Ala Lys
65 70 75 80

Tyr His Met Gln Arg Cys Ile Asp Ser Gly Leu Trp Val Pro Asn Ser
85 90 95

```
Lys Ala Lys Arg Arg Pro Arg Arg Glu Arg Arg Gln Val Leu Gly Thr
            100                 105                 110

His Tyr Trp Lys Leu Phe Pro Arg Arg Ala Met Arg Arg Met Ser Ser
        115                 120                 125

Val
```

<210> 6689
<211> 177
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (163)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6689

```
Gly Phe Ile Ile Asp Asp Ser Val Leu Tyr Ser Gly Ala Ser Leu Asn
  1               5                  10                  15

Asp Val Tyr Leu His Gln His Asp Lys Tyr Arg Tyr Asp Arg Tyr His
             20                  25                  30

Leu Ile Arg Asn Arg Lys Met Ser Asp Ile Met Phe Glu Trp Val Thr
         35                  40                  45

Gln Asn Ile Met Asn Gly Arg Gly Val Asn Arg Leu Asp Asp Val Asn
     50                  55                  60

Arg Pro Lys Ser Pro Glu Ile Lys Asn Asp Ile Arg Leu Phe Arg Gln
 65                  70                  75                  80

Glu Leu Arg Asp Ala Ala Tyr His Phe Gln Gly Asp Ala Asp Asn Asp
                 85                  90                  95

Gln Leu Ser Val Thr Pro Leu Val Gly Leu Gly Lys Ser Ser Leu Leu
            100                 105                 110

Asn Lys Thr Ile Phe His Leu Met Pro Cys Ala Glu Gln Lys Leu Thr
        115                 120                 125

Ile Cys Thr Pro Tyr Phe Asn Leu Pro Ala Ile Leu Val Arg Asn Ile
    130                 135                 140

Ile Gln Leu Leu Arg Glu Gly Lys Lys Val Glu Ile Ile Val Gly Asp
145                 150                 155                 160
```

BNSDOCID: <WO__0122920A2_I_>

Lys Thr Xaa Asn Asp Phe Tyr Ile Pro Glu Asp Glu Pro Phe Lys Ile
165 170 175

Ile

<210> 6690
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6690
His Glu Leu Val Arg Leu Xaa Gly Gly Cys Xaa Leu Leu Arg Cys Ile
1 5 10 15

Pro Ala Leu Asp Ser Leu Thr Pro Ala Asn Glu Asp Gln Lys Ile Gly
20 25 30

Ile Glu Ile Ile Lys Arg Thr Leu Lys Ile Pro Ala Met Thr Ile Ala
35 40 45

Lys Asn Ala Gly Val Glu Gly Ser Leu Ile Val Glu Lys Ile Met Gln
50 55 60

Ser Ser Ser Glu Val Gly Tyr Asp Ala Met Ala Gly Asp Phe Val Lys
65 70 75 80

Tyr Gly Gly Lys Arg Glu Ser Leu Thr Gln Gln Arg Leu
85 90

<210> 6691
<211> 105
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6691
Gly Val Thr Phe Pro Val Pro Gln Ser Xaa Asp Ser Leu Leu Arg Ala
1 5 10 15

Val Gly Pro Cys Pro Gln Gln Leu Gly Thr Gln Thr Thr Xaa Glu Arg
20 25 30

Glu Ser Gln Ala Ser Asn Thr Lys Val Thr Arg Asp Xaa Pro Lys Ser
35 40 45

Cys Asp Lys Thr Thr His Ala His Arg Xaa Arg Pro Glu Leu Leu Gly
50 55 60

Gly Pro Gln Leu Leu Phe Xaa Gln Asn Pro Arg His Ala Met Ile Ser
65 70 75 80

Arg Pro Leu Xaa His Met Arg Gly Gly Asp Xaa Ser His Glu Asp Pro
85 90 95

Glu Ala Ser Gln Leu Asp Val Asp Xaa
100 105

<210> 6692
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6692
Arg Arg Val Ser Pro Gly Lys Asn Phe Pro Pro Gly Gly Val Pro Gly
1 5 10 15

Thr Pro Gln Thr Gly Arg Phe Ser Gly Ala Pro Gly Gly Gly Lys Arg
20 25 30

Gly Pro Ser Leu Arg Lys Lys Lys Gly Gly Gly Pro Ala Gln Phe Gly
35 40 45

Pro Xaa Ser Pro Lys Pro Gln Phe Arg Gly Gln Gly Pro Gly Ile Ser
50 55 60

Pro Trp Val Leu Leu Gly Ile Gln Pro Gly Gly Trp Gly Glu Arg Gly
65 70 75 80

Glu Thr Pro Ser Gly Arg Ser Pro Cys Arg Gly Xaa Ala Pro Leu Gly
85 90 95

Gly Gly Arg Thr Thr Ser Lys Leu Leu Glu Thr Xaa Ser Pro Glu Cys
100 105 110

Leu

<210> 6693
<211> 215
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (152)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (155)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (194)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (208)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6693

Glu Phe Ser Tyr Glu Leu Ser Lys Val Glu Gly Lys Thr Gly Thr Pro
1 5 10 15

Glu Lys Pro Leu Ser Asp Leu Gly Leu Leu Ser Tyr Arg Ser Tyr Trp
20 25 30

Ser Gln Thr Ile Leu Glu Ile Leu Met Gly Leu Lys Ser Glu Ser Gly
35 40 45

Glu Arg Pro Gln Ile Thr Ile Asn Glu Ile Ser Glu Ile Thr Ser Ile
50 55 60

Lys Lys Glu Asp Val Ile Ser Thr Leu Gln Tyr Leu Asn Leu Ile Asn
65 70 75 80

Tyr Tyr Lys Gly Gln Tyr Ile Leu Thr Leu Ser Glu Asp Ile Val Asp
85 90 95

Gly His Glu Arg Ala Met Leu Lys Arg Leu Leu Arg Ile Arg Leu Gln
100 105 110

Val Ser Ala Xaa Ile Pro Arg Asp Trp Xaa Lys Lys Gly Gly Xaa Gly
115 120 125

Asp Gln Thr Leu Ala Thr Gly Ile Ala Gln Asp Gly Xaa Gln Gly Leu
130 135 140

Gly Gly Leu Asn Ser Pro Xaa Xaa Ala Pro Xaa Trp Lys Xaa Pro Thr
145 150 155 160

Lys Ala Thr Phe Lys Gly Lys Met Gly Leu Glu Gly Gln Val Gln Lys
165 170 175

Arg Asp Arg Thr Arg Ala Leu Ala Gly Gly Pro Thr Gly Trp Pro Asn
180 185 190

Thr Xaa Ala Lys Leu Pro Gly Leu Arg Pro Thr Phe Lys Gly Gln Xaa
195 200 205

Gly Pro Lys Ala Gln Gly Phe
210 215

<210> 6694
<211> 94
<212> PRT
<213> Homo sapiens

<400> 6694
Gly Tyr Thr Arg Ala Glu Tyr Glu Ser Glu Ala Glu Gly Val Met Ala
1 5 10 15

Gly Gln Ala Phe Arg Lys Phe Leu Pro Leu Phe Asp Arg Val Leu Val
20 25 30

Glu Arg Ser Ala Ala Glu Thr Val Thr Lys Gly Gly Ile Met Leu Pro
35 40 45

Glu Lys Ser Gln Gly Lys Val Leu Gln Ala Thr Val Val Ala Val Gly
50 55 60

Ser Gly Ser Lys Gly Lys Gly Gly Glu Ile Gln Pro Val Ser Val Lys
65 70 75 80

Val Gly Asp Lys Val Leu Leu Pro Glu Tyr Gly Gly Pro Lys
85 90

<210> 6695
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6695
Gly Ser Val Ser Pro Val Pro Val Ala Pro Leu Pro Pro Xaa Thr Met
1 5 10 15

```
Gly Pro Gly Pro Arg Leu Leu Leu Pro Leu Val Leu Cys Val Gly Leu
            20                  25                  30

Gly Ala Leu Val Phe Ser Ser Gly Ala Glu Gly Phe Arg Lys Arg Gly
        35                  40                  45

Pro Ser Val Thr Ala Lys Val Phe Phe Asp Val Arg Ile Gly Asp Lys
    50                  55                  60

Asp Val Gly Arg Ile Val Ile Gly Leu Phe Gly Lys Val Val Pro Lys
65                  70                  75                  80

Thr Val Glu Asn Phe Val Ala Leu Ala Thr Gly Glu Lys Gly Tyr Gly
                85                  90                  95

Tyr Lys Gly Ser Lys Phe Ser Ser Cys His Gln Gly Phe His Asp Xaa
            100                 105                 110
```

<210> 6696
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6696
Trp Arg Asp Val Ser Arg Glu Ser Thr Tyr Gln Gly His His Thr Pro
1 5 10 15

Pro Val Gln Lys Gly Leu Arg Tyr Gly Ile Ile Xaa Phe Xaa Thr Xaa
20 25 30

Xaa Val Phe Phe Phe Xaa Gly Phe Phe
35 40

<210> 6697
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6697
Trp Arg Asp Val Xaa Arg Glu Ser Thr Tyr Gln Gly His His Thr Pro
1 5 10 15

Pro Val Gln Lys Gly Leu Arg Tyr Gly Ile Ile Leu Phe Ile Thr Ser
20 25 30

Xaa Ile Phe Phe Phe Ala Gly Phe Phe
35 40

<210> 6698
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6698
Ala His His Ser Leu Ile Xaa Asn Asn Arg Asn Gln Ile Ile Gln Ala
1 5 10 15

Leu Leu Ile Thr Ile Leu Leu Gly Leu Tyr Phe Thr Leu Leu Gln Ala
20 25 30

Ser Xaa Tyr Phe Glu Ser Pro Phe Thr Ile Ser Asp Gly Ile Tyr Gly
35 40 45

Ser Thr Phe Phe Val Ala Thr Gly Phe His Gly Leu His Val Ile Ile
50 55 60

Gly Ser Thr Phe Leu Thr Ile Cys Phe Ile Arg Gln Leu Ile Phe His
65 70 75 80

Phe Thr Ser Lys His His Phe Gly Phe Xaa Thr Ala Ala
85 90

<210> 6699
<211> 41
<212> PRT
<213> Homo sapiens

<400> 6699
Trp Arg Asp Val Thr Arg Glu Ser Thr Tyr Gln Gly His His Thr Pro
1 5 10 15

Pro Val Gln Lys Gly Leu Arg Tyr Gly Ile Ile Leu Phe Ile Thr Ser
20 25 30

Glu Val Phe Phe Phe Ala Gly Phe Phe
35 40

<210> 6700
<211> 39
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6700
Ala Gly Ile Leu Xaa Thr Ala Leu Ser Leu Leu Ile Arg Ala Glu Leu
1 5 10 15

Gly Gln Pro Xaa Asn Leu Leu Xaa Asn Glu His Ile Tyr Asn Val Ile
20 25 30

Val Thr Ala Met His Leu Leu
35

<210> 6701
<211> 40
<212> PRT
<213> Homo sapiens

<400> 6701
Thr Ile Leu Pro Ala Ile Ile Leu Val Leu Ile Ala Leu Pro Ser Leu
1 5 10 15

Arg Ile Leu Tyr Ile Thr Asp Glu Val Asn Asp Pro Ser Leu Thr Ile
20 25 30

Lys Ser Ile Gly His Gln Trp Tyr
35 40

<210> 6702
<211> 40
<212> PRT
<213> Homo sapiens

<400> 6702
Thr Ile Leu Pro Ala Ile Ile Leu Val Leu Ile Ala Leu Pro Ser Leu
1 5 10 15

Arg Ile Leu Tyr Ile Thr Asp Glu Val Asn Asp Pro Ser Leu Thr Ile
20 25 30

Lys Ser Ile Gly His Gln Trp Tyr
35 40

<210> 6703
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6703
Ala Val Pro Thr Leu Gly Leu Lys Thr Asp Ala Ile Pro Gly Arg Leu
1 5 10 15

Asn Gln Thr Thr Phe Thr Ala Thr Arg Pro Gly Val Tyr Tyr Gly Gln
20 25 30

Cys Ser Glu Ile Cys Gly Ala Asn His Ser Phe Met Pro Ile Val Leu
35 40 45

Glu Leu Ile Pro Leu Lys Ile Phe Glu Ile Gly Xaa Val Phe Thr Leu
50 55 60

<210> 6704
<211> 56
<212> PRT
<213> Homo sapiens

<400> 6704
Thr Tyr Glu Tyr Thr Asp Tyr Gly Gly Leu Ile Phe Asn Ser Tyr Ile
1 5 10 15

Leu Pro Pro Leu Phe Leu Glu Pro Gly Asp Leu Arg Leu Leu Asp Val
20 25 30

```
Asp Asn Arg Val Val Leu Pro Ile Glu Ala Pro Ile Arg Ile Ile Ile
         35                  40                  45

Thr Ser Gln Asp Val Leu His Ser
     50                  55
```

<210> 6705
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6705

```
His Val Thr Leu Trp Phe Leu Cys Phe Ile Asn Tyr Leu Ile Tyr Gln
  1               5                  10                  15

Tyr Gly Thr Arg Phe Xaa Lys Lys Xaa Asp Ser Xaa Asp Pro Tyr Ile
             20                  25                  30

Tyr Thr Pro Phe Gly Thr Gly Pro Lys Thr Ala Leu Ala
         35                  40                  45
```

<210> 6706
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6706
His Leu Trp Xaa Leu Ile Glu Gly Gly Ala His Ile Tyr Val Cys Gly
1 5 10 15

Asp Ala Arg Asn Met Ala Arg Asp Val Gln Asn Thr Phe Tyr Asp Ile
20 25 30

Val Ala Glu Leu Gly Ala Met Glu His Ala Gln Ala Val Asp Tyr Ile
35 40 45

Lys Lys Leu Met Thr Lys Gly Arg Tyr Ser Leu Asp Val Trp Ser
50 55 60

<210> 6707
<211> 158
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6707
Xaa Pro Pro Glu Leu His Asp Xaa Ala Lys Xaa Pro Tyr Thr Glu Ala
1 5 10 15

Val Ile Tyr Glu Ile Gln Arg Phe Ser Asp Leu Leu Pro Met Gly Val
20 25 30

Pro His Ile Val Thr Gln His Thr Ser Phe Arg Gly Tyr Ile Ile Pro
35 40 45

Lys Asp Thr Glu Val Phe Leu Ile Leu Ser Thr Ala Leu His Asp Pro
50 55 60

His Tyr Phe Glu Lys Pro Asp Ala Phe Asn Pro Asp His Phe Leu Asp
65 70 75 80

Ala Asn Gly Ala Leu Lys Lys Thr Glu Ala Phe Ile Pro Phe Ser Leu
85 90 95

Gly Lys Arg Ile Cys Leu Gly Glu Gly Ile Ala Arg Ala Glu Xaa Xaa
100 105 110

Pro Leu Phe Thr Thr Ile Leu Gln Asn Phe Xaa Met Xaa Ser Pro Val
115 120 125

Xaa Pro Glu Asp Ile Xaa Leu Thr Pro Xaa Glu Xaa Gly Val Gly Gln
130 135 140

Lys Asn Pro Pro Thr Tyr Gln Asn Pro Xaa Ser Trp Pro Arg
145 150 155

<210> 6708
<211> 89
<212> PRT
<213> Homo sapiens

<400> 6708
Phe Ser Ala Pro Ser Arg Ile Ser Ala Trp Phe Gly Pro Pro Ala Ser
1 5 10 15

Thr Pro Ala Ser Thr Met Ser Ile Arg Val Thr Gln Lys Ser Tyr Lys
20 25 30

Val Ser Thr Ser Gly Pro Arg Ala Phe Ser Ser Arg Ser Tyr Thr Ser
35 40 45

Gly Pro Gly Ser Arg Ile Ser Ser Ser Ser Phe Ser Arg Val Gly Lys
50 55 60

Gln Gln Leu Ser Arg Trp Pro Gly Arg Ala Ala Met Val Gly Pro Ala
65 70 75 80

Ala Trp Glu Ala Ser Pro Glu Leu Arg
85

<210> 6709
<211> 138
<212> PRT
<213> Homo sapiens

<400> 6709
Arg Ser Trp Gly Ala Thr Gln Pro Gly Ser Gln Ala Pro Pro Arg Gln
1 5 10 15

Leu Ser Arg Phe Ser His Ser Phe Pro Thr Arg Leu Leu Ser Pro Met
20 25 30

Ala His Ala Thr Leu Ser Ala Ala Pro Ser Asn Pro Arg Leu Leu Arg
35 40 45

```
Val Ala Leu Leu Leu Leu Leu Leu Val Ala Ala Ser Arg Arg Ala Ala
     50                  55                  60

Gly Ala Ser Val Val Thr Glu Leu Arg Cys Gln Cys Leu Gln Thr Leu
 65                  70                  75                  80

Gln Gly Ile His Leu Lys Asn Ile Gln Ser Val Asn Val Arg Ser Pro
                 85                  90                  95

Gly Pro His Cys Ala Gln Thr Glu Val Ile Ala Thr Leu Lys Asn Gly
            100                 105                 110

Lys Lys Ala Cys Leu Asn Pro Ala Ser Pro Met Val Gln Lys Ile Ile
        115                 120                 125

Glu Lys Ile Leu Asn Lys Gly Ser Thr Asn
    130                 135
```

<210> 6710
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6710

```
Gly Thr Phe Arg Asn Asp Asn Ser Ala Glu Met Cys Arg Lys Cys Ser
  1               5                  10                  15

Thr Gly Cys Pro Arg Arg Met Val Lys Val Lys Asp Cys Thr Pro Trp
             20                  25                  30

Ser Asp Ile Glu Cys Val His Lys Glu Ser Gly Asn Gly His Asn Ile
         35                  40                  45

Trp Val Ile Phe Val Val Thr Leu Val Val Pro Leu Leu Xaa Val Ala
     50                  55                  60

Val Leu Ile Val Trp Cys Cys Ile Gly Ser Xaa Cys
 65                  70                  75
```

BNSDOCID: <WO__ 0122920A2 I >

<210> 6711
<211> 59
<212> PRT
<213> Homo sapiens

<400> 6711
Phe Ile Pro Ile Leu Val Ser Asn Tyr Asn Pro Lys Glu Phe Glu Ser
1 5 10 15

Cys Ile Gln Tyr Tyr Leu Glu Asn Asn Trp Leu Gln His Glu Lys Ala
20 25 30

Pro Thr Glu Glu Gly Lys Lys Glu Leu Leu Phe Leu Ser Asn Ala Asn
35 40 45

Pro Ser Leu Leu Glu Arg His Cys Ala Tyr Leu
50 55

<210> 6712
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6712
Xaa Arg Pro Arg Ser Gly Xaa Pro Gly Ser Thr His Ala Ser Asp Pro
1 5 10 15

Pro Xaa Ile Phe Xaa Lys Pro Ala Lys Thr Ser Lys Xaa Pro Gly Ser
20 25 30

Phe Xaa Glu Glu Leu Leu Xaa Xaa Thr Glu Thr Val Val Thr Glu Tyr
35 40 45

```
Leu Asn Ser Gly Asn Ala Asn Glu Ala Val Asn Gly Val Arg Glu Met
     50                  55                  60

Arg Ala Pro Lys His Phe Leu Pro Glu Met Leu Ser Lys Val Ile Ile
 65                  70                  75                  80

Leu Ser Leu Asp Xaa Xaa Xaa Glu Asp Lys Xaa Lys Ala Ser Ser Leu
                 85                  90                  95

Ile Xaa Leu Leu Lys Gln Glu Gly
            100
```

<210> 6713
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6713

```
Ala Leu Phe Asn Xaa Gly Ser Pro Xaa Leu His Glu Phe Arg Ser Xaa
  1               5                  10                  15

Xaa Thr Leu Phe Ile Val Leu Val Asn Asn Asp Glu Gly Glu Trp Asn
            20                  25                  30
```

Gly Pro Pro Pro Xaa Cys Lys Arg Lys Asn Leu
35 40

<210> 6714
<211> 34
<212> PRT
<213> Homo sapiens

<400> 6714
Met Cys Ser Leu Pro Phe Gln Ile Lys Ile Thr His Lys Asn Gln Met
1 5 10 15

Pro Met Leu Met Gly Pro Pro Pro Arg Ser Thr Asn Phe Phe Gly Phe
20 25 30

Leu Ser

<210> 6715
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6715
Gly Gly Asp Gly Thr Val Gly Trp Val Leu Gly Ala Leu Glu Glu Thr
1 5 10 15

BNSDOCID: <WO__0122920A2 I_>

```
Arg Tyr Arg Leu Ala Cys Pro Glu Pro Ser Val Ala Ile Leu Pro Leu
            20                  25                  30

Gly Thr Gly Asn Asp Leu Gly Arg Val Leu Arg Trp Gly Ala Gly Tyr
        35                  40                  45

Ser Gly Glu Asp Pro Phe Ser Val Leu Leu Ser Val Asp Glu Ala Asp
    50                  55                  60

Ala Val Leu Met Asp Arg Trp Thr Ile Leu Leu Asp Ala His Glu Ala
65                  70                  75                  80

Gly Ser Ala Glu Asn Asp Thr Ala Xaa Ala Glu Pro Pro Lys Ile Val
                85                  90                  95

Gln Met Ser Asn Tyr Leu Trp His Trp His Xaa Pro Gly Leu Xaa Leu
            100                 105                 110

Asp Phe Thr Lys His Arg Xaa Glu Glu Pro
        115                 120
```

<210> 6716
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6716
Xaa Met Ala Glu Glu Gly Xaa Pro Ala Pro Leu Pro Pro Glu Asp Ala
1 5 10 15

Pro Asn Ala Ala Ser Leu Ala Pro Thr Pro Xaa Ser Pro Xaa Leu Glu
20 25 30

Pro Phe Asn Leu Thr Ser Glu Pro Ser Asp Xaa Ala Leu Asp Leu Ser
35 40 45

Thr Phe Leu Gln Gln Xaa Pro Asp Ala Phe Xaa Xaa Gly Xaa Pro Glu
50 55 60

Leu Pro Lys Lys Lys Pro Lys Asn Pro Gln Arg Lys His Gln Gly Xaa
65 70 75 80

Thr Arg Gly

<210> 6717
<211> 69

<212> PRT
<213> Homo sapiens

<400> 6717
Gly Cys Thr Pro Leu Phe Ile Pro Lys Leu Ala Gly Ser His Cys Ser
1 5 10 15

Gly Ala Lys Gly Gly Lys Lys Ser Asp Gln Ser Asn Cys Ser Leu Glu
20 25 30

Pro Leu Leu Gln Gln Leu Ser Thr Ser Tyr Lys Thr Met Pro Asp Val
35 40 45

Cys Gln Ala Ser Asn Leu Leu Pro Ala Leu Arg Ser Leu Asn Cys Cys
50 55 60

Leu Pro Ser Ser Leu
65

<210> 6718
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6718
Gln Xaa Lys Asp Gly Asp Glu Phe Asn Asn Ser Ile Xaa Gln Leu Phe
1 5 10 15

Leu Ala Phe Asn Met Leu Met Asp Arg Pro Leu Glu Glu Ala Val Lys
20 25 30

Ile Xaa Gly Ala Xaa Leu Lys Tyr Leu Pro Ser Ile Ile Asn Asp Val
35 40 45

Lys Leu Val Phe Asp Pro Val Glu Leu Xaa Val Leu Phe Cys Lys Phe
50 55 60

Ile Xaa Ser Ile Pro Asp Asn Gln Xaa Val Xaa Xaa Lys Leu Asn Cys
65 70 75 80

Met Thr Lys Ile Val Glu Ser Thr Leu Phe Xaa Gln Ser Glu Cys Xaa
85 90 95

Glu Val Leu Leu Pro Leu Leu Thr Asp Xaa
100 105

<210> 6719
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6719
Val Ala Val Lys Met Ala Leu Val Ala Ser Val Arg Val Pro Ala Arg
1 5 10 15

Val Leu Leu Arg Ala Gly Ala Arg Leu Pro Gly Ala Ala Leu Gly Arg
20 25 30

Thr Glu Arg Ala Ala Gly Gly Gly Asp Gly Ala Arg Arg Phe Gly Ser
35 40 45

Gln Arg Val Leu Val Glu Pro Asp Ala Gly Ala Gly Val Ala Val Met
50 55 60

Lys Phe Lys Asn Pro Pro Val Asn Ser Leu Ser Leu Glu Phe Leu Thr
65 70 75 80

Glu Leu Val Ile Ser Leu Arg Ser Trp Arg Met Thr Arg Ala Ser Ala
85 90 95

Val Xaa Phe

<210> 6720
<211> 134
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6720
Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu
1 5 10 15

Thr Thr Glu Val Glu Lys Ile Lys Thr Thr Val Lys Glu Ser Ala Thr
20 25 30

Glu Glu Lys Leu Thr Pro Val Leu Leu Ala Lys Gln Leu Ala Ala Leu
35 40 45

Lys Gln Gln Leu Val Ala Ser His Leu Glu Lys Leu Leu Gly Pro Asp
50 55 60

Ala Ala Ile Asn Leu Thr Asp Pro Asp Gly Ala Leu Ala Lys Arg Leu
65 70 75 80

Leu Leu Gln Leu Glu Ala Thr Lys Asn Ser Lys Gly Gly Ser Gly Gly
85 90 95

Lys Thr Thr Gly Thr Pro Pro Asp Ser Ser Leu Val Thr Tyr Glu Leu
100 105 110

His Ser Arg Pro Glu Gln Asp Lys Val Leu Ser Lys Leu Xaa Lys Val
115 120 125

Gln Asn Leu Lys Ser Ala
130

<210> 6721
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _0122920A2 I_>

<400> 6721
Xaa Asn Lys Xaa Trp Cys Ser Thr Ala Val Ala Xaa Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Lys Thr Ser Leu
20 25 30

Asn Leu Ser Leu Asn Leu Ile Phe Glu Leu Pro Ser Leu Phe Met Val
35 40 45

Glu Gly Lys Gln Phe Arg Ser Leu Asp Tyr Glu Phe Cys Glu Thr His
50 55 60

Asp Ser Thr Ile Thr
65

<210> 6722
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6722
Leu Leu Pro Ser Glu Ser Pro Met Ala His Trp Trp Trp Trp Thr Ala
1 5 10 15

BNSDOCID: <WO__ 0122920A2 I >

```
Cys Gln Ala Cys Asp Ser Ala Ala Ala Gly His Cys Arg Ala His Gln
             20                  25                  30

Ala Cys Ala Asp Asp Glu Gln Asp Val Asn Val Ile Ile Ser Thr Tyr
         35                  40                  45

Gly Glu Gly Glu Ser Gly Pro Met Gly Asn Ile Met Ile Asp Pro Val
     50                  55                  60

Leu Gly Thr Val Gly Phe Gly Ser Gly Leu His Gly Trp Ala Phe Thr
 65                  70                  75                  80

Leu Lys Gln Phe Ala Glu Met Tyr Val Xaa Lys Phe Xaa Xaa Lys Gly
                 85                  90                  95

Glu Gly Xaa Leu Gly Pro Xaa Glu Arg Ala Lys Lys Val
            100                 105
```

<210> 6723
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6723
Lys Cys Thr Ile Thr Gly Leu Thr Xaa Trp Asp Pro Xaa Cys Glu Ala
1 5 10 15

Xaa Asp Arg Gly Asp Lys Phe Val Leu Arg Ser Xaa Tyr Ser Ser Cys
20 25 30

Gly Met Xaa Val Ser Xaa Ser Met Ile Ser Asn Glu Xaa Xaa Val Asn
35 40 45

Ile Leu
50

<210> 6724
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6724
Ala Xaa Ala Trp Ala Pro Pro Pro Leu Ser Pro Trp Ser Ser Cys Lys
1 5 10 15

Ser Ala Arg Met Ser Gln Ala Glu Phe Glu Lys Ala Ala Glu Glu Val
20 25 30

Arg His Leu Lys Thr Lys Pro Ser Asp Glu Glu Met Leu Phe Ile Tyr
35 40 45

Gly His Tyr Lys Gln Ala Thr Val Gly Asp Ile Asn Thr Glu Arg Pro

BNSDOCID: <WO_ _0122920A2 I_>

```
     50                  55                  60

Gly Met Leu Asp Phe Thr Gly Lys Ala Lys Trp Asp Ala Trp Asn Glu
 65                  70                  75                  80

Leu Lys Gly Thr Ser Lys Glu Asp Ala Met Lys Ala Tyr Ile Asn Lys
                 85                  90                  95

Val Glu Glu Leu Lys Lys Lys Tyr Gly Ile
            100                 105
```

<210> 6725
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6725

```
Ala Trp Cys Arg Trp Leu Val Ser Ala Thr Cys Val Gly Thr Ala Asp
  1               5                  10                  15

Arg Lys Met Ser Ser Gly Asn Ala Lys Ile Gly His Pro Ala Pro Asn
             20                  25                  30

Phe Lys Ala Thr Ala Val Met Pro Asp Gly Gln Phe Lys Asp Ile Ser
         35                  40                  45

Leu Ser Asp Tyr Lys Gly Lys Tyr Val Val Phe Phe Phe Tyr Pro Xaa
     50                  55                  60

Xaa Phe Thr Phe Val Cys Xaa Thr Glu Ile Ile Ala Phe Ser Asp Arg
 65                  70                  75                  80

Ala Xaa Glu Phe Lys Lys Leu Asn Cys Gln Val Ile Gly Ala Ser Val
                 85                  90                  95

Asp Ser His Phe Cys His Xaa Xaa Trp Val Asn Thr Pro Xaa Lys Gln
            100                 105                 110

Xaa Xaa Leu Gly Pro Met Asn Ile
        115                 120
```

<210> 6726
<211> 193
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (189)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6726

```
Xaa Ser Xaa Ala Pro Ala Val Pro Val Arg Asn Ser Arg Val Asp Pro
  1               5                  10                  15

Arg Val Arg Thr Xaa Xaa Val Val Asn Cys Phe Val Asn Asn Asn Arg
             20                  25                  30

Gln Cys Gln Cys Thr Ser Val Gly Ala Gln Asn Thr Val Ile Cys Ser
         35                  40                  45

Lys Leu Ala Ala Lys Cys Leu Val Met Lys Ala Glu Met Asn Gly Ser
     50                  55                  60

Lys Leu Gly Arg Arg Ala Lys Pro Glu Gly Ala Leu Gln Asn Asn Asp
 65                  70                  75                  80

Gly Leu Tyr Asp Pro Asp Cys Asp Glu Ser Gly Leu Phe Lys Ala Lys
                 85                  90                  95

Gln Cys Asn Gly Thr Ser Met Cys Trp Cys Val Asn Thr Ala Gly Val
            100                 105                 110

Arg Arg Thr Asp Lys Asp Thr Glu Ile Thr Cys Ser Glu Arg Val Arg
        115                 120                 125

Thr Tyr Trp Ile Ile Ile Glu Leu Lys His Lys Ala Arg Glu Lys Pro
    130                 135                 140

Tyr Asp Ser Lys Ser Leu Arg Thr Ala Leu Gln Lys Glu Ile Thr Thr
145                 150                 155                 160

Arg Tyr Gln Leu Asp Pro Lys Phe Ile Thr Ser Ile Leu Tyr Glu Asn
                165                 170                 175
```

```
Asn Val Ile Thr Ile Asp Leu Val Gln Asn Ser Ser Xaa Lys Asn Ser
            180                 185                 190

Glu



<210> 6727
<211> 153
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6727
His Val Val Glu Gly Thr Pro Ala Gly Thr Gly Ser Gly Ile Pro Gly
  1               5                  10                  15

Tyr Leu Ile Tyr Leu Lys Phe Lys Ala Thr Tyr Asp Gly Asn His Asp
             20                  25                  30

Thr Phe Arg Val Glu Phe Leu Val Val Pro Val Gly Gly Leu Ser Phe
         35                  40                  45

Leu Val Asn His Asp Phe Ser Pro Leu Glu Ile Leu Trp Thr Phe Ser
     50                  55                  60

Ile Tyr Leu Glu Ser Val Ala Ile Leu Pro Gln Leu Phe Met Ile Ser
 65                  70                  75                  80

Lys Thr Gly Glu Ala Glu Thr Ile Thr Thr His Tyr Leu Phe Phe Leu
                 85                  90                  95

Gly Leu Tyr Arg Ala Leu Tyr Leu Val Asn Trp Xaa Trp Arg Phe Tyr
            100                 105                 110

Phe Glu Gly Phe Phe Asp Leu Ile Ala Val Val Ala Gly Val Val Gln
        115                 120                 125

Thr Ile Leu Tyr Cys Asp Phe Phe Tyr Leu Tyr Ile Gln Lys Tyr Ser
    130                 135                 140
```

Arg Glu Arg Ser Ser Val Xaa Gln His
145 150

<210> 6728
<211> 135
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6728
Pro Ser Cys Gly Ala Gly His Thr Ala Gly Gly Gly Arg Gly Arg Xaa
1 5 10 15

Pro Xaa Ser Trp Pro Pro Pro Val Glu Xaa Val Thr Leu Xaa Asp Leu
20 25 30

```
Ser Gln Leu Ile Ile Arg Asn Cys Xaa Ser Phe Asp Ile His Xaa Ile
         35                  40                  45

His Val Cys Leu His Leu Xaa Val Leu Leu Gly Phe Pro Ser Asp Gly
     50                  55                  60

Pro Leu Val Cys Ala Leu Xaa Xaa Glu Xaa Xaa Leu Arg Leu Pro Pro
 65                  70                  75                  80

Lys Ala Xaa Ser Pro Phe Ala Thr Pro Ser Pro Lys Ser Asn Gly Xaa
                 85                  90                  95

Arg Thr Xaa Ser Pro Arg Asp Gly Ala Pro Trp Pro Ile Thr Gly Pro
            100                 105                 110

Gly Pro Val Xaa Gly Thr Pro Xaa Phe Xaa Glu Asn Pro Cys Pro Leu
        115                 120                 125

Pro Gly Trp Phe Gln Glu Thr
    130                 135
```

<210> 6729
<211> 157
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (149)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6729
Thr Gln Pro Thr Val Cys Thr Asp Ala Pro Ser Leu Leu Pro Leu Ser
1 5 10 15

Arg Leu His Leu Arg Gly Ser Trp Asp Arg Arg Ser Val Ala Asn Met
20 25 30

Gln Leu Phe Val Arg Ala Gln Glu Leu His Thr Phe Glu Val Thr Gly
35 40 45

Gln Glu Thr Val Ala Gln Ile Lys Ala His Val Ala Ser Leu Glu Gly
50 55 60

Ile Ala Pro Glu Asp Gln Val Val Leu Leu Ala Gly Ala Pro Leu Glu
65 70 75 80

Asp Glu Ala Thr Leu Gly Gln Cys Gly Val Glu Ala Leu Thr Thr Leu
85 90 95

Glu Val Ala Gly Arg Met Leu Gly Gly Lys Val His Gly Ser Leu Ala
100 105 110

Arg Ala Gly Lys Val Arg Gly Gln Thr Pro Lys Val Ala Lys Gln Glu
115 120 125

Lys Lys Lys Lys Lys Thr Gly Arg Ala Lys Arg Arg Met Gln Xaa Asn
130 135 140

Arg Xaa Phe Val Xaa Xaa Xaa Pro Pro Leu Ala Arg Arg
145 150 155

<210> 6730
<211> 164
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6730

```
Val Xaa Asp Gln Ile Thr Ala Val Arg Lys Phe Ile Xaa Met Gly Phe
  1               5                  10                  15

Ile Asp Glu Lys Arg Ile Ala Ile Trp Gly Trp Ser Tyr Gly Gly Tyr
             20                  25                  30

Val Ser Ser Leu Ala Leu Ala Ser Gly Thr Gly Leu Phe Lys Cys Gly
         35                  40                  45

Ile Ala Val Ala Pro Val Ser Ser Trp Glu Tyr Tyr Ala Ser Val Tyr
     50                  55                  60

Thr Glu Arg Phe Met Gly Xaa Pro Xaa Lys Asp Asp Asn Leu Glu His
 65                  70                  75                  80

Tyr Lys Asn Ser Thr Val Met Ala Arg Ala Glu Tyr Phe Arg Asn Val
                 85                  90                  95

Xaa Tyr Leu Leu Ile His Gly Thr Ala Asp Asp Asn Val His Phe Gln
            100                 105                 110

Asn Ser Ala Gln Ile Ala Lys Ala Leu Val Asn Ala Gln Val Asp Xaa
        115                 120                 125

Gln Ala Met Trp Tyr Ser Asp Gln Asn His Gly Leu Ser Gly Leu Ser
    130                 135                 140

Thr Asn His Leu Tyr Thr His Met Thr His Phe Leu Lys Gln Cys Phe
145                 150                 155                 160
```

Ser Leu Ser Asp

<210> 6731
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6731
Gly Xaa Gly Arg Xaa Gln Cys Xaa Asn Thr Leu Gln Thr Asn Ala Gly
1 5 10 15

Tyr Leu Glu Gln Val Lys Arg Xaa Xaa Xaa
20 25

<210> 6732
<211> 61

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6732
Ser Ala Ile Ala Ser Xaa Arg Tyr Lys Arg Phe Xaa Ile Arg Xaa Arg
1 5 10 15

Ile Lys Met Gln Xaa Asp Xaa Val Arg Ser Val Ile Gln Asn Leu Thr
20 25 30

Glu Glu Gln Ser Met Val Leu Cys Ala Ala Xaa Xaa Lys Ala Gly Ser

BNSDOCID: <WO_ _0122920A2_I_>

35 40 45

Met Xaa Leu His Gln Asp Asn Ser His Thr Pro Val Ser
50 55 60

<210> 6733
<211> 38
<212> PRT
<213> Homo sapiens

<400> 6733
Ala Phe Ile Ala Lys Ser Phe Tyr Asp Leu Ser Ala Ile Ser Leu Asp
1 5 10 15

Gly Glu Lys Val Asp Phe Asn Thr Ser Arg Gly Arg Ala Val Leu Ile
20 25 30

Glu Asn Val Ala Ser Leu
35

<210> 6734
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6734
Ala Asp Glu Pro Ile Pro Xaa Lys Glu Leu Glu Arg Gly Val Ala Gly
1 5 10 15

Ala His Gly Leu Leu Cys Leu Leu Ser Asp His Val Asp Lys Arg Ile
20 25 30

Leu Asp Ala Ala Xaa Ala Asn Leu Lys Val Ile Ser Thr Met Xaa Xaa
35 40 45

Gly Xaa Asp His Leu Ala Leu Asp Glu Ile Lys Lys Arg Gly Ile Arg
50 55 60

Val Gly Tyr Thr Pro Asp Val Leu Thr Asp Thr Thr Val Glu Leu Ala
65 70 75 80

Val Xaa Leu Leu Leu Thr Thr Xaa Arg Arg Leu Xaa Glu Ala Ile
85 90 95

<210> 6735
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6735
Ala Ala Cys Leu Ala Asp Leu Ala Asp Arg Xaa Tyr Lys Gln Ala Xaa
1 5 10 15

Lys Cys Leu Leu Xaa Xaa Ser Phe Asp His Cys Asp Phe Pro Glu Leu
20 25 30

<210> 6736
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6736
Cys Pro Trp Pro Leu Lys Leu Arg Cys Gln Cys Leu Gln Thr Leu Gln
1 5 10 15

Gly Ile His Pro Lys Asn Ile Gln Ser Val Asn Xaa Lys Ser Pro Gly
20 25 30

Pro His Cys Ala Gln Thr Glu Val Ile Ala Thr Leu Lys Asn Gly Arg
35 40 45

Lys Xaa Xaa Leu Gln Ser Cys Met Pro His Xaa Leu Xaa Xaa Leu Ser
50 55 60

Xaa Lys Xaa Val Xaa Gln Trp Gln Ile Gln Leu Xaa Gln Lys Gly Gly
65 70 75 80

Arg Lys Val Xaa Trp Trp Val Xaa Ala Xaa Arg Glu Xaa Leu Xaa Leu
85 90 95

Phe

<210> 6737
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6737
Ser Pro Gly Pro His Xaa Ala Gln Thr Gly Val Ile Ala Thr Leu Lys
1 5 10 15

Xaa Gly Arg Lys Ala Cys Leu Asn Pro Ala Xaa Pro Ile Val Met Lys
20 25 30

Xaa Ile

<210> 6738
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6738
Arg Xaa Val Ala Glu Asp Xaa His Leu Trp Asn Asp Ser Gln Pro Leu
1 5 10 15

Lys Leu

<210> 6739
<211> 66
<212> PRT
<213> Homo sapiens

<400> 6739
Arg Gly Cys His Ser Asp Phe Leu Pro Glu Leu Leu Leu Ala Pro Ser
1 5 10 15

Ser Lys Lys Gly Lys Ala Arg Leu Ser Pro Arg Ser Val Gly Val Ile
20 25 30

Ser Pro Tyr Arg Lys Gln Val Glu Lys Ile Arg Tyr Cys Ile Thr Lys
35 40 45

Leu Asp Arg Glu Leu Arg Gly Leu Asp Asp Ile Lys Asp Leu Lys Val
50 55 60

Val Gln
65

<210> 6740
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6740
Arg His Glu Glu Phe Ala Arg Tyr Thr Thr Pro Glu Asp Ala Thr Pro
1 5 10 15

Glu Pro Gly Glu Asp Pro Arg Val Thr Arg Ala Lys Tyr Phe Ile Arg
20 25 30

Asp Glu Phe Leu Arg Ile Ser Thr Ala Ser Gly Asp Gly Arg His Tyr
35 40 45

Cys Tyr Pro His Phe Thr Cys Ala Val Asp Thr Glu Asn Ile Arg Arg
50 55 60

Val Phe Asn Asp Cys Arg Asp Ile Ile Gln Arg Met His Leu Arg Gln
65 70 75 80

Tyr Glu Leu Leu Xaa Glu Gly Asn Pro Gln Ile
85 90

<210> 6741
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6741
Asp Leu Tyr Lys Lys Xaa Gly Lys Leu Glu Phe Leu Gly Leu Asp Asn
1 5 10 15

Ala Gly Gln Asn Xaa Xaa Xaa
20

<210> 6742
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6742
Ala Gln Gln Gly Ala Pro Cys Pro Ser Arg Cys Gly Glu Xaa Pro Ala
1 5 10 15

Cys His Trp Leu Pro Pro Asp Leu Thr Glu Pro Pro Xaa Ala Gln Leu
20 25 30

Xaa Xaa Xaa Phe
35

<210> 6743
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6743
Thr Arg Pro Asp Lys Xaa Val Lys Asp Leu Val Ile Leu Leu Tyr Glu
1 5 10 15

Thr Ala Leu Leu Ser Ser Gly Phe Ser Leu Glu Asp Xaa Gln Thr His
20 25 30

Ala Asn Arg Ile Tyr Arg Met Ile Lys Leu Gly Leu Gly Ile Asp Glu
35 40 45

Asp Asp Pro Thr Ala Asp Asp Thr Ser Ala Ala Val Thr Glu Glu Met
50 55 60

BNSDOCID: <WO 0122920A2_I_>

Pro Pro Leu Glu Gly Asp Asp Xaa Thr Ser Arg Met Glu Xaa Val Asp
65 70 75 80

<210> 6744
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6744
Gly Xaa Ala Ser Pro Leu Gly Pro Ala Ala Leu Arg Asp Ser Glu Glu
1 5 10 15

Lys Leu Ala Pro Gly Gly Arg Gly Ser Val Asn Met Gly Lys Gly Asp
20 25 30

Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln
35 40 45

Thr Cys Arg Glu Arg Ala Gln Glu Arg Asn Thr Arg Thr Leu Pro Ser
50 55 60

Ile Ser Xaa Glu Phe Ser Xaa Xaa Phe Phe Gly Lys Met Glu Lys Pro
65 70 75 80

Phe Xaa Pro

<210> 6745
<211> 150
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6745
Leu Val Ala Ala Leu Ala Pro Met Ser Leu Pro Asn Ser Ser Cys Leu
1 5 10 15

Leu Glu Asp Lys Met Cys Glu Gly Asn Lys Thr Thr Met Ala Ser Pro
20 25 30

Gln Leu Met Pro Leu Val Val Val Leu Ser Thr Ile Cys Leu Val Thr
35 40 45

Val Gly Leu Asn Leu Leu Val Leu Tyr Ala Val Arg Ser Glu Arg Lys
50 55 60

Leu His Thr Val Gly Asn Leu Tyr Ile Val Ser Xaa Ser Val Ala Asp
65 70 75 80

Leu Ile Val Gly Ala Val Val Met Pro Met Asn Ile Leu Tyr Leu Leu
85 90 95

Met Ser Lys Trp Xaa Xaa Gly Arg Pro Xaa Cys Leu Phe Trp Xaa Ser
100 105 110

Met Asp Tyr Val Ala Ser Thr Ala Ser Ile Phe Xaa Val Phe Ile Leu
115 120 125

Cys Ile Asp Arg Tyr Arg Ser Val His Asn Pro Ser Gly Thr Leu Xaa
130 135 140

Xaa Val Pro Lys Pro Glu
145 150

<210> 6746
<211> 30
<212> PRT
<213> Homo sapiens

<400> 6746
Val Leu Glu Leu Ala Gly Asn Ala Ser Lys Asp Leu Lys Val Lys Arg
1 5 10 15

Ile Thr Pro Arg His Leu Gln Leu Ala Ile Arg Gly Asp Glu
20 25 30

<210> 6747

<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6747

```
Ala Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn
  1               5                  10                  15

Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser
             20                  25                  30

Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala
         35                  40                  45

Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Thr
     50                  55                  60

Lys Lys Lys Phe Lys Asp Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala
 65                  70                  75                  80

Phe Phe Leu Phe Cys Ser Glu Tyr Arg Pro Lys Ile Lys Gly Glu His
                 85                  90                  95

Pro Gly Leu Ser Ile Gly Asp Val Ala Lys Lys Leu Gly Glu Met Trp
            100                 105                 110

Asn Asn Thr Ala Ala Xaa Asp Lys Xaa Leu Xaa Lys Lys Xaa Ala Ala
        115                 120                 125
```

BNSDOCID: <WO 0122920A2 I >

<210> 6748
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6748
Gly Thr Arg Xaa Glu Leu Ile Arg Pro Glu Arg Asn Thr Leu Val Val
1 5 10 15

Ser Phe Val Asp Leu Glu Gln Phe Asn Gln Gln Leu Ser Thr Thr Ile
20 25 30

Gln Glu Glu Phe Tyr Arg Val Tyr Pro Tyr Leu Cys Arg Ala Leu Lys
35 40 45

Thr Phe Val Lys Asp Ser Gly Arg Arg Thr Tyr Lys
50 55 60

<210> 6749
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)

BNSDOCID: <WO 0122920A2 I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6749

Xaa Leu Asn Arg Xaa Ser Ser Cys Ser Ser Cys Xaa Met Pro Cys Ser
1 5 10 15

Ile Xaa Glu Arg Gln Xaa Ser Ser Gln Pro Ala Leu Ser Leu Ala Leu
20 25 30

Ser Xaa Xaa Xaa Arg Gly Trp Tyr Ile Ser Ala Ser Ala Xaa Gly Asp
35 40 45

Trp Gly Gly Trp Leu Asn Ala Arg Met Leu Gln Xaa Cys Ser Val Lys
50 55 60

Gly Leu Ser Leu Asn Gln Val Met Val Asp Asp Ala Gly Val Pro Leu
65 70 75 80

Met Gly Ser Tyr Ile Gly Val Met Val Leu Leu Tyr Lys Pro Gly Leu
85 90 95

Thr Asp Glu Pro Glu Ala Val Gly Glu
100 105

<210> 6750
<211> 121
<212> PRT
<213> Homo sapiens

<400> 6750
Arg Glu Gln Lys Leu Glu Leu His Arg Gly Gly Gly Arg Ser Arg Thr
1 5 10 15

Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Arg Tyr Asn Gln
20 25 30

Glu Thr Pro Met Glu Ile Cys Leu Asn Gly Thr Pro Ala Leu Ala Tyr
35 40 45

Leu Ala Ser Ala Pro Pro Pro Leu Cys Pro Ser Gly Arg Thr Pro Asp
50 55 60

Leu Lys Ala Leu Leu Asn Val Val Asp Asn Ala Arg Ser Phe Ile Tyr
65 70 75 80

Val Ala Val Met Asn Tyr Leu Pro Thr Leu Glu Phe Ser His Leu Arg
85 90 95

Ala Trp Arg Gln Gly Ala Pro Ala His Gln Leu Leu Gly Thr Leu Gly
100 105 110

Gly His Pro Cys Gly Pro Ser Cys Ser
115 120

<210> 6751
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO...0122920A2 1. >

<400> 6751
Phe Ser Leu Phe Pro Leu Ala Lys Ser Phe Asp Asp Gly Asp Tyr Phe
1 5 10 15

Pro Val Trp Gly Thr Cys Leu Gly Phe Glu Glu Leu Leu Met Leu Xaa
20 25 30

Ser Gly Glu Cys Leu Leu Thr Ala Thr Gly Xaa Cys Leu Thr Trp Gln
35 40 45

Cys Arg
50

<210> 6752
<211> 165
<212> PRT
<213> Homo sapiens

<400> 6752
Gly Ala Gly Gly Gly Phe Gly Ser Pro Met Asp Ile Phe Asp Met Phe
1 5 10 15

Phe Gly Gly Gly Gly Arg Met Gln Arg Glu Arg Arg Gly Lys Asn Val
20 25 30

Val His Gln Leu Ser Val Thr Leu Glu Asp Leu Tyr Asn Gly Ala Thr
35 40 45

Arg Lys Leu Ala Leu Gln Lys Asn Val Ile Cys Asp Lys Cys Glu Gly
50 55 60

Arg Gly Gly Lys Lys Gly Ala Val Glu Cys Cys Pro Asn Cys Arg Gly
65 70 75 80

Thr Gly Met Gln Ile Arg Ile His Gln Ile Gly Pro Gly Met Val Gln
85 90 95

Gln Ile Gln Ser Val Cys Met Glu Cys Gln Gly His Gly Glu Arg Ile
100 105 110

Ser Pro Lys Asp Arg Cys Lys Ser Cys Asn Gly Arg Lys Ile Val Arg
115 120 125

Glu Lys Lys Ile Leu Glu Val His Ile Asp Lys Gly Met Lys Asp Gly
130 135 140

Gln Lys Ile Thr Phe His Gly Glu Gly Asp Gln Glu Pro Gly Leu Glu
145 150 155 160

Pro Gly Asp Ile Ile
165

<210> 6753
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6753
Xaa Pro Thr Xaa Pro Leu Ser His Met Asn Ile Xaa Gln Xaa Phe Glu
1 5 10 15

Phe His Arg Met Ile Trp Ala Asp Leu Ser Cys Leu Val Tyr Arg Ala
20 25 30

Asp Thr Gln Xaa Tyr Gln Pro Leu Xaa Thr Lys Xaa Gly Xaa Lys Glu
35 40 45

Lys Phe Tyr Val Leu Leu Arg Gly Xaa
50 55

<210> 6754
<211> 28
<212> PRT
<213> Homo sapiens

<400> 6754
Pro Cys Lys Gly Ser Ile Ile Thr Cys Ser Leu Ser Arg Asp Leu Tyr
1 5 10 15

Glu Trp Leu His Glu Gly Ser Ala Val Ser Tyr Phe
20 25

<210> 6755
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6755
Asn Ser Gly Arg Gly Asp Leu Leu Tyr Gly Cys Tyr Thr Arg Pro Gln

```
  1               5                  10                  15

Ile Asn Thr Glu Ile Val Gln Asn Val Thr Gly Pro Gly Gln Arg Thr
             20                  25                  30

Asn Met Gly Ile Leu Phe Met Ser Lys Val Gly Leu Arg Gly Asp Arg
         35                  40                  45

Arg Ser Glu Gly Asp Glu Val Leu Asp Pro Leu Arg Gln Ala Leu Asp
     50                  55                  60

Ser Ser Met Gln Ser His Asn Leu Tyr Gln His Pro Gln Arg Leu Ala
 65                  70                  75                  80

Phe His Val Ser Ala Pro Val Ala Ser Thr Val Gln Gln Ala Ser Gly
                85                  90                  95

Leu Leu Gly Pro Leu Pro His Leu Ser Ser Phe Ala Leu Gln Pro Ala
            100                 105                 110

His Ser Leu Leu Pro Pro Leu Gly Ser His Gly Ala Xaa Xaa Ser
        115                 120                 125
```

<210> 6756
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6756

```
Ser Phe Ala Ser Leu Gln Asn Val Gly Tyr Leu Ala Gly Asp Ala Lys
  1               5                  10                  15

Ile Leu Asn Asn Ile Asn Phe Ser Leu Arg Ala Gly Glu Phe Lys Leu
             20                  25                  30

Ile Thr Gly Pro Ser Gly Cys Gly Lys Ser Thr Leu Leu Lys Ile Val
         35                  40                  45

Ala Ser Leu Ile Ser Pro Thr Ser Gly Thr Xaa Thr Val
     50                  55                  60
```

<210> 6757

<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6757
Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Ser Phe Ala Xaa Met
1 5 10 15

Glu Val Leu Xaa Trp Thr His Xaa Lys Glu Gln Leu Glu Thr Leu Arg
20 25 30

Lys Leu Xaa Arg Arg Glu Val Ala Xaa Gln Trp Leu Arg Pro Ala Glu
35 40 45

Xaa Asp His Leu Xaa Asp Ser Leu Xaa
50 55

<210> 6758
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6758
Xaa Cys Phe Thr Phe Xaa Gly Ile Phe Xaa Ala Ile Ile Leu Phe Pro
1 5 10 15

Phe Gly Phe Ile Cys Cys Phe Ala Leu Arg Lys Arg Arg Cys Pro Asn
20 25 30

Cys Gly Xaa Thr Phe Ala
35

<210> 6759
<211> 43
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6759
Thr Ile Phe Xaa Gly His Ser Thr Val Xaa Lys Arg Cys Asp Trp His
1 5 10 15

Leu Leu His Asn Ser Leu Tyr Gly Ser Val Ala Asp Asp Gln Asn Leu
20 25 30

Xaa Tyr Gly Thr Gln Xaa Pro Ile Gln Leu Gln
35 40

<210> 6760
<211> 87
<212> PRT
<213> Homo sapiens

<400> 6760
Gly Arg Phe Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
1 5 10 15

Pro Glu Asp Ala Glu Asp Arg Pro Pro Glu Leu Leu Phe Ile His Gly
20 25 30

Gly His Thr Ala Lys Ile Ser Asp Phe Ser Trp Asn Pro Asn Glu Pro
35 40 45

Trp Val Ile Cys Ser Val Ser Glu Asp Asn Ile Met Gln Ile Trp Gln
50 55 60

Met Ala Glu Asn Ile Tyr Asn Asp Glu Glu Ser Asp Val Thr Thr Ser
65 70 75 80

Glu Leu Glu Gly Gln Gly Ser
85

<210> 6761
<211> 151
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (149)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6761

Gly Asn Xaa Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg
1 5 10 15

Pro Thr Arg Pro Pro Ser Trp Asp Leu Arg Ala Ser Phe Ser Xaa Leu
20 25 30

Leu Gln Asp Gly Val Asn Arg His Pro Arg Pro Pro Pro Gly Xaa Ser
35 40 45

Pro Arg Ser Leu Cys Arg Xaa Ala Xaa Gly Ala Val Arg Ser Arg Gly
50 55 60

Glu Lys Ala Arg Xaa Val Ser Glu Asp Leu Cys Lys Val Ser Gly Tyr
65 70 75 80

Ser Phe Thr Ser Tyr Trp Ile Lys Trp Val Arg Gln Met Pro Xaa Lys
85 90 95

Gly Leu Glu Xaa Met Ala Arg Ile Asp Pro Xaa Asp Ser Tyr Thr Asn
100 105 110

Tyr Ser Pro Ser Phe Gln Gly His Val Thr Ile Xaa Ala Asp Lys Xaa
115 120 125

Ile Ser Thr Ala Thr Cys Ser Gly Ala Ala Glu Gly Leu Gly His Arg

BNSDOCID: <WO__0122920A2_I >

130 135 140

His Xaa Leu Leu Xaa Gln Thr
145 150

<210> 6762
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6762
Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Xaa
1 5 10 15

Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn
20 25 30

Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser
35 40 45

Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys
50 55 60

Val Tyr Ala Cys Xaa Val Thr His Gln Gly Leu Xaa Ser Pro Val Xaa
65 70 75 80

BNSDOCID: <WO__ 0122920A2 I_>

<210> 6763
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6763

```
Leu Leu Thr Met Arg Leu Pro Ala Gln Leu Leu Gly Leu Leu Met Leu
  1               5                  10                  15

Trp Val Ser Gly Ser Ser Gly Asn Ile Val Met Thr Gln Ser Pro Val
             20                  25                  30

Ser Leu Tyr Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser
         35                  40                  45

Ser Gln Thr Leu Leu His Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr
     50                  55                  60

Leu Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Leu Gly Ser
 65                  70                  75                  80

Asn Arg Ala Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly
                 85                  90                  95
```

BNSDOCID: <WO_ _0122920A2_I >

```
Thr Asp Phe Thr Leu Lys Ile Thr Arg Val Xaa Ala Xaa Asp Val Gly
            100                 105                 110

Gly Tyr Tyr Tyr Trp Met Gln Ala Xaa Gln Ile His Ser Xaa Xaa Ala
        115                 120                 125

Leu Asp Gln
    130
```

<210> 6764
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6764

```
Ser Thr Met Ala Trp Ala Pro Leu Leu Leu Thr Leu Leu Ala His Cys
  1               5                  10                  15

Thr Gly Ser Trp Ala Ile Phe Met Leu Thr Gln Pro His Ser Val Ser
             20                  25                  30

Glu Ser Pro Gly Lys Thr Val Thr Ile Ser Cys Thr Arg Ser Xaa Gly
         35                  40                  45

Lys His Cys Gln Gln Leu Cys Ala Val Val Pro Ala Ala Pro Gly Xaa
     50                  55                  60

Val Pro Pro Pro Leu
 65
```

<210> 6765
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO__0122920A2 I. >

<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6765
Gly Xaa Ala Arg Gly Asn His Gly Asn Pro Ser Xaa Xaa Leu Phe Leu
1 5 10 15

Leu Leu Leu Trp Leu Pro Asp Thr Thr Gly Glu Asn Xaa Leu Thr His
20 25 30

Phe Pro Gly Thr Leu Xaa Phe Phe Pro Gly Glu Xaa Ala Thr Leu Ser

35 40 45

Cys Trp Ala Ser Xaa Ser Val Tyr Ser Ser Tyr Leu Ala Trp Tyr Gln
50 55 60

Gln Lys Pro Gly Gln Xaa Pro Arg Xaa Leu Ile Tyr Gly Ala Ser Ser
65 70 75 80

Arg

<210> 6766
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6766
Arg Xaa Asp Asp Pro Ser His Ser Ser Ala Ala Ser Val Gly Asp Arg
1 5 10 15

Val Thr Ile Thr Cys Pro Gly Xaa Ser Glu His Xaa Gln Arg Cys Lys
20 25 30

Leu Asp Gln Gln Thr Ile Trp Lys Ala Leu Xaa Ser
35 40

<210> 6767

BNSDOCID: <WO__0122920A2_I_>

<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6767
Gln Ser Ser Thr Leu Gly Asn Val Ser Thr Met Ala Trp Ala Leu Leu
1 5 10 15

Leu Leu Ser Leu Leu Thr Gln Gly Thr Gly Ser Trp Ala Gln Ser Ala
20 25 30

Leu Thr Gln Pro Arg Ser Val Ser Gly Ser Pro Gly Gln Xaa Val Thr
35 40 45

Ile Ser Cys Thr Gly Asn Gln Gln
50 55

<210> 6768
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6768
Ile Arg Gln Ser Arg Arg Gln Arg Ser Arg Val Val Ser Thr Met Ala
1 5 10 15

Trp Xaa Leu Leu Phe Leu Thr Leu Leu Thr Gln Gly Thr Gly Ser Trp
20 25 30

Ala Gln Ser Ala Leu Thr Gln Xaa Ala Ser Val Ser Gly Ser Pro Gly
35 40 45

Thr Val Asp His His Leu Leu His Trp Glu Gln Val Val Thr Leu Val
50 55 60

Ala Ile Asn Tyr Val Phe Trp Tyr His Gln
65 70

<210> 6769
<211> 169
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (156)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (157)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6769
Lys Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro
1 5 10 15

Thr Arg Pro Leu Phe Val Val Ala Ala Ala Thr Gly Val Leu Ser Xaa
20 25 30

Leu Gln Leu Val Gln Ser Gly Ala Glu Val Arg Lys Pro Gly Ser Ser
35 40 45

Val Asn Ile Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Arg Tyr Ala
50 55 60

Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val Gly
65 70 75 80

Gly Ile Thr Pro Val Tyr Gly Thr Thr His Tyr Ala Asp Asn Leu Arg
85 90 95

Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Asn Ile Ala Tyr Met
100 105 110

Glu Leu Lys Ser Leu Lys Phe Glu Asp Thr Ala Met Tyr Phe Cys Ala
115 120 125

Arg Val His Asn Ser Tyr Asp Ser Ser Ala Leu Asn Trp Xaa Asp Pro
130 135 140

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Xaa Xaa Thr Lys Gly
145 150 155 160

Pro Ser Val Xaa Pro Leu Ala Pro Phe
165

<210> 6770
<211> 82
<212> PRT
<213> Homo sapiens

<400> 6770
Asp Ser Ser Thr Ser Tyr Ser Ala Ser Phe Arg Gly His Val Ile Ile
1 5 10 15

Ser Ala Asp Asn Ser Ile Ser Thr Ala Tyr Leu Gln Trp Ser Ser Leu
20 25 30

Lys Ala Ser Asp Ser Ala Ile Tyr Phe Cys Ala Arg Pro Ile Ala Ser
35 40 45

Val Lys Ala Arg Leu Val Ala Pro Ser Lys Asp Tyr Trp Gly Gln Gly
50 55 60

Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
65 70 75 80

Pro Leu

<210> 6771
<211> 141
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__0122920A2 I >

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6771

```
Gly Ser Pro Ser Xaa Glu Ile Pro Arg Ser Phe His Leu Val Ile Ser
  1               5                  10                  15

Thr Glu His Arg Pro Pro Thr Met Glu Phe Gly Leu Ser Trp Val Phe
             20                  25                  30

Leu Val Ala Ile Leu Lys Gly Val Gln Cys Glu Val Arg Leu Val Glu
         35                  40                  45

Ser Gly Gly Gly Leu Val Gln Pro Gly Arg Ser Leu Arg Leu Ser Cys
     50                  55                  60

Thr Thr Pro Gly Phe Thr Phe Asp Asp Tyr Ala Met Asn Trp Phe Arg
 65                  70                  75                  80

Gln Ala Pro Gly Arg Gly Leu Glu Trp Val Gly Phe Ile Arg Ser Lys
                 85                  90                  95

Thr Tyr Gly Gly Thr Thr Gln Tyr Ala Ala Ala Val Lys Gly Arg Phe
            100                 105                 110

Thr Ile Ser Arg Asp Asp Ser Lys Ser Ile Val Tyr Leu Gln Met Asn
        115                 120                 125

Ser Leu Lys Thr Glu Asp Thr Ala Arg Val Leu Leu Xaa
    130                 135                 140
```

<210> 6772
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6772
Ile Arg Xaa Ser Ser Thr Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu
1 5 10 15

Glu Ile Lys Gly Thr Leu Ala Ala Pro Ser Val Phe Ile Leu Pro Pro
20 25 30

Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Xaa Val Cys Leu Leu
35 40 45

Asn Asn Phe Tyr Pro Xaa Glu Ala Lys Val Gln Trp Lys Val Asp Asn
50 55 60

Ala Leu Gln Ser Gly Asn Phe Gln Val Glu Cys His Arg Ala Gly Gln
65 70 75 80

Gln Gly Gln His Leu Gln Pro Gln Gln His Pro Asp Xaa Glu Gln Ser
85 90 95

Arg Leu Arg Gly Asn Thr Lys Phe Tyr Gly Cys Glu Phe Thr Xaa Gln
100 105 110

Gly Leu Arg Leu Ala Arg
115

<210> 6773
<211> 147
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6773
Phe Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Xaa Glu Leu Leu
1 5 10 15

Ile Tyr Ala Ala Ser Ala Leu Arg Gly Gly Val Pro Ser Arg Phe Ser
20 25 30

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
35 40 45

Pro Glu Asp Phe Ala Thr Tyr Phe Cys Gln Gln Ser Asp Asp Phe Pro
50 55 60

Phe Ser Phe Gly Gln Gly Thr Arg Leu Glu Met Lys Arg Thr Val Ala
65 70 75 80

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
85 90 95

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
100 105 110

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Thr Pro
115 120 125

Arg Arg Val Ser Gln Ser Arg Thr Ala Arg Thr Ala Pro Thr Ala Ser
130 135 140

Ala Ala Pro
145

<210> 6774
<211> 159
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ 0122920A2 I_>

<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (159)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6774

```
Asn Ser Ala Glu Xaa Asn Pro Ser Ala Phe Phe Ser Ser Cys Arg Ala
  1               5                  10                  15

Ser Gln Ser Val Ser Thr Arg Phe Val Ala Trp Tyr Gln Gln Lys Leu
            20                  25                  30

Gly Gln Ala Pro Arg Val Leu Ile Tyr Ser Thr Ser Ser Arg Ala Pro
        35                  40                  45

Gly Ile Pro Arg Thr Gly Ser Val Ala Val Gly Leu Gly Thr Glu Leu
    50                  55                  60

Ser Leu Leu Gln His Gln Arg Ala Trp Glu Pro Glu Asp Phe Ala Val
65                  70                  75                  80

Leu Xaa Leu Cys Asn Ser Tyr Arg Arg Ala Leu Gly His Phe Ser Gly
                85                  90                  95
```

Gly Gly Asp Pro Arg Trp Glu Ile Glu Thr Glu Leu Trp Ala Cys Asn
100 105 110

His Xaa Val Phe Xaa Xaa Xaa Pro Ala Ile Leu Ile Gly Ala Xaa Trp
115 120 125

Lys Xaa Leu Gly Leu Ala Leu Xaa Xaa Xaa Xaa Pro Xaa Gly Lys Asn
130 135 140

Phe Phe Phe Pro Gly Xaa Gly Gln Xaa Xaa Lys Gly Arg Xaa Xaa
145 150 155

<210> 6775
<211> 161
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (149)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6775
Ser Thr Met Ala Trp Ala Pro Leu Leu Leu Thr Leu Leu Ala His Cys
1 5 10 15

Thr Gly Ser Trp Ala Ile Phe Met Leu Thr Gln Pro His Ser Val Ser
20 25 30

Glu Pro Pro Gly Lys Thr Val Thr Ile Ser Cys Thr Arg Ser Ser Gly
35 40 45

Ser Ile Ala Ser Asn Tyr Val Gln Trp Phe Gln Gln Arg Pro Gly Ser
50 55 60

Ser Pro Thr Thr Val Ile Tyr Glu Asp Asn Gln Arg Pro Ser Gly Val
65 70 75 80

Pro Asp Arg Phe Ser Gly Ser Ile Asp Ser Ser Ser Asn Ser Ala Ser
85 90 95

Leu Thr Ile Ser Gly Leu Lys Thr Glu Asp Glu Ala Asp Tyr Tyr Cys
100 105 110

Gln Ser Tyr Asp Ser Ser Asn Val Val Phe Gly Gly Gly Thr Lys Leu
115 120 125

Thr Val Leu Gly Gln Ala Gln Gly Leu Pro Leu Gly His Ser Val Pro
130 135 140

```
Ala Leu Leu Leu Xaa Ser Phe Lys Pro Thr Arg Pro His Trp Cys Val
145                 150                 155                 160

Ser
```

<210> 6776
<211> 64
<212> PRT
<213> Homo sapiens

<400> 6776

```
Ala Pro Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser
  1               5                  10                  15

Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser
             20                  25                  30

Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn
         35                  40                  45

Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys Asp Lys Thr His
     50                  55                  60
```

<210> 6777
<211> 151
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6777

Glu Ala Ala Leu Val Val Pro Gln Pro Trp Pro Gly Pro Phe Ser Ser
1 5 10 15

Ser Ala Ser Ser Leu Thr Ala Gln Ala Ser Val Thr Ser Tyr Val Leu
20 25 30

Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Gln Thr Ala Arg Ile
35 40 45

Thr Cys Gly Ala Asn Asn Ile Gly Ile Lys Asn Val His Trp Tyr Gln
50 55 60

Gln Lys Pro Gly Gln Ala Pro Val Leu Val Val Tyr Asp Asp Lys Arg
65 70 75 80

Pro Ala Leu Xaa Asp Pro Xaa Arg Ile Phe Trp Phe Gln Leu Leu Gly
85 90 95

Thr Xaa Ala Thr Leu Thr Ile Asn Xaa Val Glu Pro Gly Met Lys Pro
100 105 110

Thr Ile Thr Val Arg Cys Gly Ile Leu Val Xaa Pro Arg Ser Val Arg
115 120 125

Arg Xaa Asp Gln Thr Tyr Arg Leu Ile Asn Pro Arg Leu Pro Leu Gly
130 135 140

His Ser Val Pro Pro Phe Xaa
145 150

<210> 6778
<211> 134
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6778
Ala Gly Gly Lys Leu Cys Arg Asn Ile Ser Thr Met Ala Trp Ala Leu
1 5 10 15

Leu Leu Leu Thr Leu Leu Thr Gln Gly Thr Gly Ser Trp Ala Gln Ser
20 25 30

Ala Leu Thr Gln Pro Pro Ser Val Ser Gly Ser Pro Gly Gln Ser Val
35 40 45

Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Arg
50 55 60

Val Ser Trp Tyr Gln Gln Ser Pro Gly Thr Ala Pro Lys Leu Met Ile
65 70 75 80

Tyr Glu Val Ser Asn Arg Pro Ser Arg Val Pro Asp Arg Phe Ser Gly
85 90 95

Ser Lys Ser Gly Asn Thr Gly Phe Leu Asp Ile Phe Trp Ala Pro Ser
100 105 110

Leu Xaa Thr Lys Gly Glu Leu Leu Leu Xaa Ala Arg Ile Lys Xaa Ser
115 120 125

Lys Phe Phe Phe Leu Phe
130

<210> 6779
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6779
Gly Thr Xaa Leu Xaa Trp Phe His Gln Arg Pro Gly Gln Xaa Pro Arg
1 5 10 15

Arg Leu Leu Tyr Lys Ile Ser Asn Arg Glu Leu Trp Arg Pro Xaa Gln
20 25 30

Ile Xaa Arg Gln Trp Gly Gln Ala Leu Ile Cys Thr Leu Lys Ile Ser
35 40 45

Arg Val Glu Ala Glu Asp Val Gly Ile Tyr
50 55

<210> 6780
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6780
His Lys Xaa Val Val Xaa Val Val Gln Tyr Ser Cys Ser Pro Gly Asp
1 5 10 15

Pro Val Val Val Glu Arg Pro Pro Pro Arg Trp Ser Cys Gln Leu Phe
20 25 30

Val Pro Xaa Lys
35

<210> 6781
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6781
Leu Gly Phe Phe Xaa Phe Phe Phe Xaa Glu Met Glu Xaa Val Pro Asn
1 5 10 15

Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Xaa Pro Pro Pro Arg
20 25 30

Trp Arg Xaa Ser Phe Gly Ser Leu Leu Glu Arg Xaa Gln Ser
35 40 45

<210> 6782
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6782
Xaa Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg
1 5 10 15

Pro Pro Xaa Arg Trp Ser Ser Ser Phe Ile Pro Xaa Glu Gly Val Asn
20 25 30

Ser Lys Lys
35

<210> 6783
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6783
Xaa Asp Leu Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu
1 5 10 15

Glu Arg Pro Pro Pro Arg Trp Xaa Pro Ala Phe Val Leu Leu Glu Arg
20 25 30

<210> 6784
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6784
Gly His Gly Leu Xaa Leu Val Pro Asn Ser Cys Ser Pro Gly Asp Pro
1 5 10 15

Leu Val Leu Glu Arg Pro Pro Pro Arg Trp Ser Ser Xaa Ala Leu Phe
20 25 30

Pro Ile Ile Glu Xaa
35

<210> 6785
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6785
His Gly Leu Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu
1 5 10 15

Glu Arg Pro Pro Pro Arg Trp Ser Ser Xaa Xaa Cys Ser Gln Xaa Leu
20 25 30

Arg Xaa Asn Trp
35

<210> 6786

BNSDOCID: <WO___0122920A2_I_>

<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6786
Val Val Ser Val Trp Gly Leu Val Pro Asn Ser Cys Ser Pro Gly Asp
1 5 10 15

Pro Leu Val Leu Glu Arg Pro Pro Pro Arg Trp Ser Xaa Ser Phe Val
20 25 30

Pro Leu Val Arg
35

<210> 6787
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6787
Leu Pro Leu Gln Ala Thr Cys Lys Ile Leu Gly Ala Lys Asp Gly Leu
1 5 10 15

Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg Pro
20 25 30

Pro Pro Arg Trp Ser Thr Ser Phe Xaa Pro Leu
35 40

<210> 6788
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6788
Xaa Leu Phe Phe Phe Phe Phe Phe Leu Xaa Glu Asn Asp Phe Ile Leu
1 5 10 15

Ile Asn Leu Val Pro Asn Ser Cys Ser Pro Gly Asp Pro Leu Val Leu
20 25 30

Glu Arg Ala Ser Pro Arg Trp Gly Pro Xaa Phe Val Ala Xaa Gly Ala
35 40 45

Gly

<210> 6789
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6789
Thr Arg Pro Glu Phe Leu Gln Pro Gly Gly Ser Thr Ser Phe Arg Ala
1 5 10 15

Pro Pro Arg Arg Trp Ser Ser Ser Phe Ile Pro Arg Glu Gly Xaa
20 25 30

<210> 6790
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6790
Xaa Glu Asp Leu Arg Leu Pro Glu Gly Asp Leu Gly Met Glu Ile Glu
1 5 10 15

Gln Lys Tyr Asp Cys Gly Glu Glu Ile Leu Ile Thr Val Leu Ser Ala
20 25 30

Met Thr Glu Glu Ala Ala Val Ala Ile Lys Ala Met Ala Lys
35 40 45

<210> 6791
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6791
Glu Lys Met Val Leu Leu Thr Ala Val Leu Leu Leu Leu Ala Ala Tyr
1 5 10 15

```
Ala Gly Pro Ala Gln Ser Leu Gly Ser Phe Val His Cys Glu Pro Cys
            20                  25                  30

Asp Glu Lys Ala Leu Ser Met Cys Pro Pro Ser Pro Leu Gly Cys Glu
        35                  40                  45

Leu Val Lys Glu Pro Gly Cys Gly Cys Cys Met Thr Cys Ala Leu Ala
    50                  55                  60

Glu Gly Gln Ser Cys Gly Val Tyr Thr Glu Arg Xaa Ala Gln Gly Leu
65                  70                  75                  80

Arg Xaa Leu Pro Arg Gln Asp Glu Glu Lys Pro Leu His Ala Leu Leu
                85                  90                  95

His Gly Arg Gly Val Xaa Leu Asn Xaa Lys Ser Tyr
            100                 105
```

<210> 6792
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6792

```
Gln Arg Pro Cys Leu Trp Lys Val Leu Leu Gln Ala Lys Gly Ser His
  1               5                  10                  15

Pro Ser Arg Leu Gln Thr Thr Asp Asn Leu Leu Pro Met Ser Pro Glu
            20                  25                  30

Glu Phe Asp Glu Val Ser Arg Ile Val Gly Ser Val Glu Phe Asp Ser
        35                  40                  45

Met Met Asn Thr Val
    50
```

<210> 6793
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6793

Ala	Leu	His	Ser	Leu	Cys	Gly	Ala	Arg	Pro	Pro	Val	Pro	Val	Met	Ala
1				5					10					15	

Met	Leu	Arg	Val	Gln	Pro	Glu	Ala	Gln	Ala	Lys	Val	Asp	Val	Phe	Arg
		20					25					30			

Glu	Asp	Leu	Cys	Thr	Lys	Thr	Glu	Asn	Leu	Leu	Gly	Ser	Tyr	Phe	Pro
		35					40					45			

Lys	Lys	Ile	Ser	Glu	Leu	Asp	Ala	Phe	Leu	Lys	Glu	Pro	Ala	Leu	Asn
	50					55					60				

Glu	Ala	Asn	Leu	Ser	Asn	Leu	Xaa	Ala	Xaa	Trp	Thr	Ser	Gln	Cys	Leu
65					70					75					80

Ile	Gln	Ser	Arg	Arg	Lys	Arg	Lys	Arg	Asn	Gly	Arg	Asn	Xaa	Xaa	Xaa
				85					90					95	

Lys Glu

<210> 6794
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6794

```
Tyr Thr Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly
 1               5                  10                  15

Ser Thr His Ala Ser Ala Ser Gly His His Ser Gly Pro Ser Leu His
            20                  25                  30

Ala Glu Asn His Thr Ser Gln Thr Phe Thr Gln His Phe Leu Pro Gln
        35                  40                  45

Ser Gln Lys Met His Lys Glu Glu His Glu Val Ala Val Leu Gly Ala
    50                  55                  60

Pro Pro Ser Thr Ile Leu Pro Arg Ser Thr Val Ile Asn Ile His Ser
65                  70                  75                  80

Glu Thr Ser Val Pro Asp His Val Val Trp Ser Leu Phe Asn Thr Leu
                85                  90                  95

Phe Leu Asn Trp Xaa Cys Leu Gly Phe Ile Ala Phe Ala Tyr Ser Val
            100                 105                 110

Lys Ser Arg Asp Arg Lys Met Val Gly Xaa Arg Asp Arg Gly Pro Xaa
        115                 120                 125

Leu Cys Leu His Arg Ser Xaa Ala
    130                 135
```

<210> 6795
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6795
Xaa Met Xaa Ile Ser Lys Pro His Phe Glu Lys Leu Phe Pro Ser Gln
1 5 10 15

Cys Tyr Leu Cys Leu Leu Leu Asn Asn His Phe Leu Thr
20 25

<210> 6796
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6796
Phe His Leu Ile Lys Ser Leu Lys Tyr Gln Thr Met Arg Xaa His Glu
1 5 10 15

Xaa Thr Trp Ala Xaa Asn Leu Arg Tyr Xaa Lys Pro Asp Leu Asp Cys
20 25 30

```
Met Ala Gly Leu Arg Arg Phe Thr Leu Glu Leu Gln His Thr Tyr Trp
         35                  40                  45
```

<210> 6797
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6797

```
Ala Met Arg Cys Met Pro Val Trp Asn Gly Gln Thr Leu Thr Phe Val
  1               5                  10                  15

Gln Asp Arg Pro Ser Asp Lys Thr Trp Thr Tyr Asn Arg Xaa Asn Val
             20                  25                  30

Val Met Pro Asp Asp Gly Ala Pro Phe Arg Tyr Ser Phe Ser Ala Leu
         35                  40                  45

Lys Asp Arg His Asn Ala Leu Xaa Gly Glu Leu Asp
     50                  55                  60
```

<210> 6798
<211> 109
<212> PRT
<213> Homo sapiens

<400> 6798

```
Leu Ser Arg Ala Leu Ala Val Glu Leu Leu Asp Lys Val Asn Asn Pro
  1               5                  10                  15

Asp Asn His Ala His Tyr Thr Glu Ala Asp Asp Asp Asp Phe Glu Pro
             20                  25                  30
```

```
His Ala Ile Ile Arg His Thr Ile Arg Ser Thr Asn Arg Asn Ala Arg
         35                  40                  45

Ala Glu Arg Thr Ala Ser Glu Ile Asn Phe Asp Lys Leu Gln Phe Glu
     50                  55                  60

Pro Pro Leu Arg Lys Glu Thr Glu Ala Arg Asp Glu Met Gly Leu Ser
 65                  70                  75                  80

Ser Arg Pro Lys Phe His Val Tyr Ser Gly Ile Leu Leu Leu Met Val
                 85                  90                  95

Gln Ile Leu Ala Asn His Leu Lys Thr Leu Gln Tyr His
            100                 105
```

<210> 6799
<211> 69
<212> PRT
<213> Homo sapiens

<400> 6799

```
Phe Asn Leu Ile Ser Pro Ser Ile Ser Arg Tyr Cys Lys Lys Pro Leu
  1               5                  10                  15

Thr Ser Asn Cys Thr Ile Gln Ile Ala Thr Pro Gly Lys Gly Lys Lys
            20                  25                  30

Ser Thr Pro Lys Pro Ile Pro Ile Leu Ala Ala Gly Phe Cys Ser Asp
         35                  40                  45

Lys Met Ser Leu Leu Leu Val Tyr Gly Ser Trp Phe Gln Pro Thr Ile
     50                  55                  60

Glu Arg Val Val Arg
 65
```

<210> 6800
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6800
Ala Lys Gly Glu Leu Gln Leu Xaa Met Leu Glu Ile Val His Pro Xaa
1 5 10 15

Xaa Val Glu Lys His Tyr Arg Glu Met Glu Glu Lys Leu Ala Leu Ile
20 25 30

Ile Gln Lys His Trp Lys Gly Ser Gly Lys Gly Lys Ile Xaa Thr Asn
35 40 45

Xaa Ser Xaa Leu Leu Xaa
50

<210> 6801
<211> 42
<212> PRT
<213> Homo sapiens

<400> 6801
Lys Ile Leu Phe Val Cys Ser Val Lys Leu Ser Leu Tyr Val Cys Leu

1 5 10 15

Leu Gln Leu Ser Pro Phe Val Tyr Ser Glu Phe Ala Arg Glu Arg Asn
20 25 30

Leu His Val Ser Leu Leu Asp Pro Thr Leu
35 40

<210> 6802
<211> 174
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (168)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6802
Ser Asp Gln Asp Leu Asn Arg Met Arg Ser Glu Leu Leu Val Pro Gly
1 5 10 15

Ser Gln Leu Ile Leu Gly Pro His Glu Ser Lys Ile Pro Ile Leu Leu
20 25 30

Ile Gln Gln Pro Gly Lys Val Thr Gly Glu Asp Arg Leu Gly Trp Gly
35 40 45

Ser Gly Trp Asp Val Leu Leu Pro Lys Gly Trp Gly Met Ala Phe Trp
50 55 60

Ile Pro Phe Ile Tyr Arg Gly Val Arg Val Gly Gly Leu Lys Glu Ser
65 70 75 80

Ala Val His Ser Gln Tyr Lys Arg Ser Pro Asn Val Pro Gly Asp Phe
85 90 95

Pro Asp Cys Pro Ala Gly Met Leu Phe Ala Glu Glu Gln Ala Lys Asn
100 105 110

Leu Leu Glu Lys Tyr Lys Arg Arg Pro Pro Ala Lys Arg Pro Asn Tyr
115 120 125

Val Lys Leu Gly Thr Leu Ala Pro Phe Cys Cys Pro Trp Glu Gln Leu

130 135 140

Thr Gln Asp Trp Glu Ser Arg Val Gln Ala Tyr Glu Glu Pro Ser Val
145 150 155 160

Ala Ser Ser Pro Asn Gly Lys Xaa Ser Asp Leu Xaa Lys Ile
165 170

<210> 6803
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6803
Arg Gln Val Leu Val Leu Phe Ile Asp Glu Ala Ser Gln Lys Met Ser
1 5 10 15

Lys Gln Gln Pro Thr Gln Phe Ile Asn Pro Glu Thr Pro Gly Tyr Val
20 25 30

Gly Phe Ala Asn Leu Pro Asn Gln Val His Arg Lys Ser Val Lys Lys
35 40 45

Gly Phe Glu Phe Thr Leu Met Val Val Gly Glu Ser Gly Leu Gly Lys
50 55 60

Ser Thr Leu Ile Asn Ser Leu Phe Leu Thr Asp Leu Tyr Pro Glu Arg
65 70 75 80

Val Ile Pro Gly Ala Ala Glu Lys Ile Glu Arg Thr Val Gln Ile Glu
85 90 95

Ala Ser Thr Val Glu Ile Glu Glu Xaa Gly Val Lys Leu Arg Leu Xaa
100 105 110

Ser Gly Arg Tyr Pro Trp Leu Trp Val Thr
115 120

<210> 6804
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6804

Trp	Xaa	Pro	Arg	Ala	Ala	Gly	Ile	Arg	His	Glu	Gly	Arg	Ser	Gly	Ala
1				5					10					15	
Val	Asp	Lys	Arg	Ala	Arg	Glu	Ala	Gly	Asn	Ile	Asn	Gln	Ser	Leu	Leu
			20					25					30		
Thr	Leu	Gly	Arg	Val	Ile	Thr	Ala	Leu	Val	Glu	Arg	Thr	Pro	His	Val
		35					40					45			
Pro	Tyr	Arg	Glu	Ser	Lys	Leu	Thr	Arg	Ile	Leu	Gln	Asp	Ser	Xaa	Gly
	50					55					60				
Gly	Arg	Thr	Arg	Thr	Ser	Ile	Ile	Ala	Thr	Ile	Ser	Pro	Ala	Ser	Leu
65					70					75					80
Asn	Leu	Glu	Glu	Thr	Leu	Ser	Thr	Leu	Glu	Tyr	Ala	His	Arg	Ala	Lys
				85					90					95	
Asn	Ile	Leu	Xaa	Lys	Pro	Xaa	Val	Asn	Gln	Lys	Leu	Thr	Lys	Lys	Ala
			100					105					110		
Leu	Ile	Lys													
		115													

<210> 6805
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6805
Val Trp Lys Arg His Ser Arg Met Ser Tyr Leu Xaa Val Pro Tyr Val
1 5 10 15

Thr His Ser

<210> 6806
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6806
Arg Thr Thr Val Thr Glu Val Ser Arg Ala Phe Ser Leu Leu Cys Lys
1 5 10 15

Met Ala Thr Leu Lys Glu Lys Leu Ile Ala Pro Val Ala Glu Glu Glu

BNSDOCID: <WO__ 0122920A2_I >

```
            20                  25                  30

Ala Thr Val Pro Asn Asn Lys Ile Thr Val Val Gly Val Gly Gln Val
         35                  40                  45

Gly Met Ala Cys Ala Ile Ser Ile Leu Gly Lys Ser Leu Ala Asp Glu
     50                  55                  60

Leu Ala Leu Val Asp Val Leu Glu Asp Lys Leu Lys Gly Glu Met Met
 65                  70                  75                  80

Asp Leu His His Gly Ser Leu Phe Leu Xaa Thr Pro Lys Ile Val Ala
                85                  90                  95

Asp Lys Asp Tyr Ser Val Thr Ala Xaa Ser Lys Ile Val Val Val Thr
            100                 105                 110

Ala Xaa Val Arg Gln Gln Glu Gly Glu Ser Arg Leu Asn Leu Val Gln
        115                 120                 125

Arg Asn Val Asn Val Phe Lys Phe Ile Ile Pro Gln Ile Val Lys Tyr
    130                 135                 140

Xaa Ser
145
```

<210> 6807
<211> 175
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (163)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (171)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6807
Leu Xaa Pro Ala Xaa Xaa Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
1 5 10 15

Pro Thr Ser Ser Ser Ser Arg Ala Ala Ala Leu Glu Asp Xaa Arg Leu
20 25 30

Arg Thr Gln Pro Cys Gln Xaa Xaa Ala Xaa Xaa Xaa Gly Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Ala Ala Val Xaa Gln Arg Arg Asp Trp Glu Asn Pro
50 55 60

Gly Val Thr Gln Leu Asn Arg Leu Ala Xaa His Pro Pro Phe Ala Ser
65 70 75 80

Trp Arg Asn Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu
85 90 95

Arg Ser Leu Asn Gly Glu Trp Asp Ala Pro Cys Ser Gly Ala Leu Ser
100 105 110

Ala Xaa Gly Val Val Val Thr Arg Ser Val Thr Ala Thr Leu Ala Ser
115 120 125

Ala Leu Ala Pro Ala Pro Phe Ala Xaa Phe Pro Ser Phe Xaa Xaa Thr
130 135 140

Phe Ala Gly Phe Pro Arg Gln Ala Leu Asn Arg Gly Leu Pro Leu Gly
145 150 155 160

Phe Arg Xaa Ser Ala Leu Arg His Leu Asp Xaa Lys Lys Leu Asp
165 170 175

<210> 6808
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _0122920A2_I_>

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6808
Xaa Xaa Lys Ser Trp Cys Ser Thr Ala Val Ala Xaa Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu Cys Gln Val Ile
20 25 30

Val Ser Gln Pro Ile Ile Phe Lys Thr Glu Thr Pro Ser Asn
35 40 45

<210> 6809
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6809
Leu Leu Xaa Met Arg Leu Pro Ala Gln Leu Leu Xaa Leu Leu Met Leu
1 5 10 15

Trp Val Ser Gly Ser Ser Gly Asn Ile Val Met Thr Gln Ser Pro Leu
20 25 30

Ser Leu Pro Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser
35 40 45

```
Ser Gln Thr Leu Leu His Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr
     50                  55                  60

Leu Gln Lys Pro Gly Gln Ser Xaa Gln Leu Leu Ile Tyr Leu Gly Ser
 65                  70                  75                  80

Asn Arg Ala Phe Xaa Gly Ser Leu Thr Gly Phe
                 85                  90
```

<210> 6810
<211> 137
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6810

```
Xaa Xaa Ile Cys Glu Leu Pro Leu Lys Leu Val Arg Pro Ala Gly Thr
  1               5                  10                  15

Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Xaa Leu Ser Tyr Asn
             20                  25                  30

Lys Leu Lys Asn Ile Pro Thr Val Asn Glu Asn Leu Glu Asn Tyr Tyr
         35                  40                  45

Leu Glu Val Asn Gln Leu Glu Lys Phe Asp Ile Lys Ser Phe Cys Lys
     50                  55                  60

Ile Leu Gly Pro Leu Ser Tyr Ser Lys Ile Lys Gln Lys Leu Phe Met
 65                  70                  75                  80

Ser Ile Ala Ser Gln Lys Pro Val Phe His Arg Ile Cys Met Asn Val
                 85                  90                  95
```

Tyr Val Leu Leu Thr Lys Ser Leu Leu Ile Asn Ile Cys Ile Leu Glu
100 105 110

Gln Tyr Phe Met Val Met Phe Phe Cys Val Ser Val Phe Ile Val Ser
115 120 125

Ile Phe Tyr Tyr Cys Leu Leu Leu Pro
130 135

<210> 6811
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6811
Pro Arg Val Arg Ala Val Met Ala Pro Arg Thr Leu Leu Leu Leu Leu
1 5 10 15

Leu Gly Ala Leu Ala Leu Thr Gln Thr Trp Ala Gly Ser His Ser Met

20 25 30

Arg Tyr Phe Thr Thr Ser Val Ser Arg Pro Gly Arg Gly Glu Pro Arg
35 40 45

Phe Ile Ala Val Gly Tyr Val Asp Asp Thr Gln Phe Val Arg Phe Asp
50 55 60

Ser Asp Ala Xaa Ser Gln Arg Met Glu Pro Arg Ala Pro Trp Ile Glu
65 70 75 80

Gln Glu Arg Pro Glu Tyr Trp Asp Gln Glu Thr Arg Asn Val Lys Ala
85 90 95

His Ser Gln Ile Asp Arg Val Asp Leu Gly Thr Leu Arg Gly Tyr Tyr
100 105 110

Asn Gln Ser Glu Ala Gly Ser Xaa Thr Xaa Xaa Met Met Tyr Gly Cys
115 120 125

Xaa Val Gly Phe Gly Arg Ala Leu Pro Xaa Arg Val Pro Thr
130 135 140

<210> 6812
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6812
Glu Ala Cys Xaa Asp Leu Ala Lys Glu Gln Gly Pro Tyr Glu Thr Tyr
1 5 10 15

Glu Gly Ser Pro Val Ser Lys Gly Ile Leu Gln Tyr Asp Met Trp Asn
20 25 30

Val Thr Pro Thr Asp Leu Trp Asp Trp Lys Val Leu Lys Glu Lys Ile
35 40 45

Ala Lys Tyr Gly Ile Arg Asn Ser Leu Leu Ile Ala Pro Met Pro Thr

50 55 60

Ala Ser Thr Ala Gln Ile Leu Gly Asn Asn Glu Ser Ile Glu Pro Tyr
65 70 75 80

Thr Ser Asn Ile Tyr Thr Arg Arg Asp Leu Ser Gly Glu Phe Gln Ile
85 90 95

Val Asn Pro His Leu Leu Lys Asp Leu Thr Glu Arg Gly Leu Trp His
100 105 110

Glu Glu Met Lys Asn Gln Ile Ile Ala Cys Asn Gly Ser Ile Xaa Ser
115 120 125

Ile Pro
130

<210> 6813
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6813
Thr Met Gln Ala Xaa Asp Asn Ile Thr Xaa Ala Arg Leu Leu Gln Gln
1 5 10 15

Glu Val Leu Gln Asn Val Ser Asp Ala Glu Ser Cys Tyr Leu Val His
20 25 30

Thr Leu Leu Glu Phe Tyr Leu Lys Thr Val Phe Lys Asn Tyr His Asn
35 40 45

Arg Thr Val Glu Val Arg Asp Xaa Xaa Xaa Ile Leu Xaa
50 55 60

<210> 6814
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6814
Lys Thr Gln Glu Thr Thr Ser Ile Ser Val Thr His Phe Leu Ser Phe
1 5 10 15

Leu Thr Gly Phe Trp Lys Leu Ala Ile Cys Met Ala Lys Thr Asp Leu
20 25 30

Ser Leu Xaa His Gln Pro Asp Lys Lys Gly Val Pro Arg Asp Xaa Ile

35 40 45

Leu Pro Ile Ser Asp Val Arg Ala Ser Ile Xaa Ala Trp Gly Gln Leu
50 55 60

Pro Leu Val Gly Thr Xaa His His
65 70

<210> 6815
<211> 209
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (191)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (193)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (201)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (206)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6815
Gly Asp Gln Pro Thr Ala Xaa Cys Xaa Cys Ile Gln Arg Gln Val Pro
1 5 10 15

Pro Val Pro Ala Ala Arg Ala Pro Gln Ser Arg Thr Arg Ser Ala Gln
20 25 30

BNSDOCID: <WO_ _ 0122920A2 I >

```
Ala Lys Leu Ala Leu Thr Met Pro Val Lys Gly Gly Thr Lys Cys Ile
         35                  40                  45

Lys Tyr Leu Leu Phe Gly Phe Asn Phe Ile Phe Trp Leu Ala Gly Ile
     50                  55                  60

Ala Val Leu Ala Ile Gly Leu Trp Leu Arg Phe Asp Ser Gln Thr Lys
 65                  70                  75                  80

Ser Ile Phe Glu Gln Glu Thr Asn Asn Asn Asn Ser Ser Phe Tyr Thr
                 85                  90                  95

Gly Val Tyr Ile Leu Ile Gly Ala Gly Ala Leu Met Met Leu Val Gly
            100                 105                 110

Phe Leu Gly Cys Cys Gly Ala Val Gln Glu Ser Gln Cys Met Leu Gly
        115                 120                 125

Leu Phe Phe Gly Phe Leu Leu Val Ile Phe Ala Ile Glu Ile Ala Ala
    130                 135                 140

Ala Ile Trp Gly Tyr Ser His Lys Asp Glu Val Ile Lys Glu Val Gln
145                 150                 155                 160

Glu Phe Tyr Lys Asp Thr Tyr Asn Lys Leu Lys Thr Lys Asp Glu Pro
                165                 170                 175

Gln Arg Glu Thr Leu Lys Ala Ile His Tyr Ala Leu Asn Cys Xaa Gly
            180                 185                 190

Xaa Gly Trp Gly Ala Trp Lys Gln Xaa Tyr Leu Lys Lys Xaa Trp Pro
        195                 200                 205

Gln
```

<210> 6816
<211> 123
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6816
Val Glu Xaa Asn Ser Pro Xaa Xaa Arg Xaa Leu Leu Gln Ile Leu Leu
1 5 10 15

Ser Phe Ala Ser Gly Gly Leu Leu Gly Asp Ala Phe Leu His Leu Ile
20 25 30

Pro His Ala Leu Glu Pro His Ser His His Thr Leu Glu Gln Pro Gly
35 40 45

His Gly His Ser His Ser Gly Gln Gly Pro Ile Leu Ser Val Gly Leu
50 55 60

Xaa Xaa Leu Xaa Gly Ile Xaa Ala Phe Xaa Asp Val Glu Lys Phe Xaa
65 70 75 80

Arg His Val Lys Gly Gly His Gly His Ser His Gly His Gly His Ala
85 90 95

His Ser His Thr Arg Gly Ser His Gly His Gly Arg Xaa Glu Arg Ser
100 105 110

Thr Xaa Glu Lys Xaa Ile Ser Glu Glu Glu Asp
115 120

<210> 6817
<211> 137
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6817
Xaa Asp Ile Glu Phe Ile Tyr Thr Ala Pro Ser Ser Ala Val Cys Gly
1 5 10 15

Val Ser Leu Asp Val Gly Gly Lys Lys Glu Tyr Leu Ile Ala Gly Lys
20 25 30

```
Ala Glu Gly Asp Gly Lys Met His Ile Thr Leu Cys Asp Phe Ile Val
         35                  40                  45

Pro Trp Asp Thr Leu Ser Thr Thr Gln Lys Lys Ser Leu Asn His Arg
     50                  55                  60

Tyr Gln Met Gly Cys Glu Cys Lys Ile Thr Arg Cys Pro Met Ile Pro
 65                  70                  75                  80

Cys Tyr Ile Ser Ser Pro Asp Glu Cys Leu Trp Met Asp Trp Val Thr
                 85                  90                  95

Glu Lys Asn Ile Asn Gly His Gln Ala Lys Phe Phe Ala Cys Ile Lys
            100                 105                 110

Arg Ser Asp Gly Ser Cys Ala Trp Tyr Arg Gly Ala Ala Pro Pro Lys
        115                 120                 125

Gln Glu Phe Leu Asp Ile Glu Asp Pro
    130                 135
```

<210> 6818
<211> 158
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6818

```
Pro Arg Ala Arg Pro Ala Ala Pro Ala Ala Ala Pro Gly Pro Leu Ala
  1               5                  10                  15

Ala Ala Thr Met Asp Ala Ile Lys Lys Lys Met Gln Met Leu Lys Leu
             20                  25                  30

Asp Lys Glu Asn Ala Leu Asp Arg Ala Glu Gln Ala Glu Ala Asp Lys
```

35 40 45

Lys Ala Ala Glu Asp Arg Ser Lys Gln Leu Glu Asp Glu Leu Val Ser
50 55 60

Leu Gln Lys Lys Leu Lys Gly Thr Glu Asp Glu Leu Asp Lys Tyr Ser
65 70 75 80

Glu Ala Leu Lys Asp Ala Gln Glu Lys Leu Glu Leu Ala Glu Lys Lys
85 90 95

Ala Thr Asp Ala Glu Ala Asp Val Ala Ser Leu Asn Arg Arg Ile Gln
100 105 110

Leu Val Glu Glu Glu Val Trp Ile Val Pro Lys Xaa Arg Ser Gly Asn
115 120 125

Ser Phe Ala Glu Thr Trp Xaa Lys Leu Glu Lys Ala Ala Asp Glu Ser
130 135 140

Glu Arg Xaa Met Lys Val Ile Glu Lys Ser Ser Pro Lys Arg
145 150 155

<210> 6819
<211> 37
<212> PRT
<213> Homo sapiens

<400> 6819
Cys Lys Met Phe Ala Cys Ala Lys Leu Ala Cys Thr Pro Ser Leu Ile
1 5 10 15

Arg Ala Gly Ser Ile Val Ala Tyr Arg Pro Ile Ser Ala Ser Val Phe
20 25 30

Ile Ser Thr Arg Ser
35

<210> 6820
<211> 183
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (148)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> SITE
<222> (160)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (172)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6820

Glu	Asn	Val	Leu	Lys	Thr	Ser	Gly	Lys	Leu	Arg	Glu	Asn	Leu	Leu	His
1				5				10						15	
Gly	Ala	Leu	Glu	His	Tyr	Val	Asn	Cys	Leu	Asp	Leu	Val	Asn	Lys	Arg
			20					25					30		
Leu	Pro	Tyr	Gly	Leu	Ala	Gln	Ile	Gly	Val	Cys	Phe	His	Pro	Val	Phe
		35					40					45			
Asp	Thr	Lys	Gln	Ile	Arg	Asn	Gly	Val	Lys	Ser	Ile	Gly	Glu	Lys	Thr
	50					55					60				
Glu	Ala	Ser	Leu	Val	Trp	Phe	Thr	Pro	Pro	Arg	Thr	Ser	Asn	Gln	Trp
65					70					75					80
Leu	Asp	Phe	Trp	Leu	Arg	His	Arg	Leu	Gln	Trp	Trp	Arg	Lys	Phe	Ala
				85					90					95	
Met	Ser	Pro	Ser	Asn	Phe	Ser	Ser	Ser	Asp	Cys	Gln	Asp	Glu	Glu	Gly
			100					105					110		
Arg	Lys	Gly	Asn	Lys	Leu	Tyr	Tyr	Asn	Phe	Pro	Leu	Gly	Lys	Gly	Val
		115					120					125			
Asn	Arg	Asn	Pro	Val	Glu	Pro	Lys	Arg	Ser	Glu	Leu	Leu	His	Met	Tyr
	130					135					140				
Pro	Gly	Asn	Xaa	Ala	Lys	Leu	Pro	Trp	Pro	Lys	Trp	Thr	Lys	Lys	Xaa
145					150					155					160

BNSDOCID: <WO 0122920A2 I >

Gly Ser Leu Gly Ser Ser Leu Glu Met Gly Thr Xaa Thr Arg Gly Met
165 170 175

Leu Xaa Asn Xaa Met Ile Leu
180

<210> 6821
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6821
Glu Leu Leu Ser Ser Arg Xaa Leu Xaa Ala Lys Xaa Xaa Gly Xaa Ser
1 5 10 15

Xaa Xaa Ser His Arg Ala Leu Gln Gly Thr Ile Ala Xaa Asn Xaa Glu
20 25 30

Thr Asp Met Gln Val Leu Glu Lys Leu Ser Gly Lys Leu Xaa Glu Arg
35 40 45

Xaa Leu Lys Asp Phe Xaa Met Ile Arg Xaa Met Lys Xaa Lys Leu Asn
50 55 60

Pro Gln Asn Ser Xaa Val Met Pro Trp Asp Pro Xaa Tyr Tyr Ser Gly
65 70 75 80

Val Ile Arg Ala Glu Arg Xaa Asn Ile Glu Pro Ser Leu Tyr Cys Pro
85 90 95

Xaa Phe Xaa Leu Gly Ala Cys Met Glu Ser Leu Asn Ile
100 105

<210> 6822
<211> 144
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6822
Arg Thr Xaa Ala Xaa Gly Glu Arg Ala Cys Arg Ser Thr Leu Val Asp
1 5 10 15

Pro Lys Xaa Val Xaa Thr Val Phe Ser Leu Gly Ala Cys Met Glu Gly
20 25 30

Leu Asn Ile Leu Leu Asn Arg Leu Leu Gly Ile Ser Leu Tyr Ala Glu
35 40 45

Gln Pro Ala Lys Gly Glu Val Trp Ser Glu Asp Val Arg Lys Leu Ala
50 55 60

Val Val His Glu Ser Glu Gly Leu Leu Gly Tyr Ile Tyr Cys Asp Phe
65 70 75 80

Phe Gln Arg Ala Asp Lys Pro His Gln Asp Cys His Phe Thr Ile Arg
85 90 95

Gly Gly Arg Leu Lys Gly Arg Trp Glu Thr Xaa Gln Leu Pro Val Val
100 105 110

BNSDOCID: <WO__ 0122920A2_I >

Ser Ser Tyr Ala Gly Ile Phe Pro Val Pro Xaa Arg Glu Phe Ser Asn
115 120 125

Phe Gly Xaa Xaa Leu Gly Met Met Gly Lys Pro Phe Pro Gly Xaa Gly
130 135 140

<210> 6823
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6823
Ala Xaa Ser Ser Leu Trp Glu Ser Lys Pro Arg Xaa Gly Thr Glu Ala
1 5 10 15

Ser Glu Leu Leu Pro Thr Leu Asp Thr Lys Ala Pro Thr Gly Arg Arg
20 25 30

Thr Lys Pro Trp Gly Arg Leu Lys Arg Arg Ala Arg Ser Pro Gln Gly
35 40 45

Gln Thr Ala Lys Pro Gln Ser Cys Cys Gly Ala Glu His Arg Gly Pro
50 55 60

Gln Ala Leu Arg Lys Gly Arg Gly Asp Pro Gly Ala Arg Glu Arg Ser
65 70 75 80

Pro Arg Ala Ile Ser Arg Ala Gly Arg Arg Glu Pro Arg Ala Val His
85 90 95

Ser Cys Gly Leu
100

<210> 6824
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6824

Phe	Lys	Arg	Glu	Thr	Gly	Val	Asp	Leu	Thr	Lys	Asp	Asn	Met	Ala	Leu
1				5				10						15	
Gln	Arg	Val	Arg	Glu	Ala	Ala	Glu	Lys	Ala	Lys	Cys	Glu	Leu	Ser	Ser
		20					25					30			
Ser	Val	Gln	Thr	Asp	Ile	Asn	Leu	Pro	Tyr	Leu	Thr	Met	Asp	Ser	Ser
	35					40					45				
Gly	Pro	Lys	His	Leu	Asn	Met	Lys	Leu	Thr	Arg	Ala	Gln	Phe	Glu	Gly
50					55					60					
Ile	Val	Thr	Asp	Leu	Ile	Arg	Arg	Thr	Ile	Ala	Pro	Cys	Gln	Lys	Ala
65				70					75						80
Met	His	Asp	Ala	Glu	Val	Ile	Leu	Ser	Asp	Ile	Xaa	Glu	Val	Xaa	Pro
			85					90					95		
Val	Xaa	Gly	Met	Thr	Arg	Met	Pro	Met	Phe	Xaa	Arg	Leu			
		100					105								

<210> 6825
<211> 48

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6825
Ala Arg Glu Xaa Thr Lys Lys Leu Arg Glu Gln Gly Ser Leu Leu Gly
1 5 10 15

Lys Leu Val Gln Asn Gly Thr Glu Pro Ser Ser Leu Pro Phe Leu Asp
20 25 30

Pro Asn Ala Arg Pro Leu Val Pro Glu Val Ser Ile Lys Val Gln Arg
35 40 45

<210> 6826
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6826

```
Thr Ala Leu Asn Asn Leu Xaa Pro Asn Tyr Ala Xaa Glu Lys Leu Gln
 1               5                  10                  15

Gln Gln Phe Asn Met His Val Phe Lys Leu Glu Gln Glu Glu Tyr Met
            20                  25                  30

Lys Glu Asp Ile Pro Trp Thr Leu Ile Asp Phe Tyr Asp Xaa Gln Pro
        35                  40                  45

Val Phe Asp Leu Ile Glu Xaa Lys Trp Glu Ser Trp Xaa Phe Trp Xaa
    50                  55                  60

Lys Asn Xaa Cys Phe
65
```

<210> 6827
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6827

```
Cys Leu Ser Trp Glu Arg Arg Gly Pro Ser Ser Ala Pro Pro Thr Val
 1               5                  10                  15

Trp Glu Thr Val Pro Ser Pro Leu Leu Gly Ser Lys His Leu Phe Pro
            20                  25                  30

Val Leu Met Glu Ser Trp Cys Leu Ser Pro Ser Ala Ala Gln Lys Leu
        35                  40                  45

Cys Arg Leu Leu Gly Leu Gly Val Thr Asp Phe Ser Arg Ala Leu Leu
    50                  55                  60

Thr Pro Arg Ile Lys Val Gly Arg Asp Tyr Val Gln Lys Ala Gln Thr
65                  70                  75                  80

Lys Glu Gln Val Xaa Gly Ala Gly Gly Gly Gln Xaa Thr Xaa Arg Ala
                85                  90                  95
```

<210> 6828
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6828

```
Leu Glu Asp Leu His Asp Leu Leu Ala Ser Leu Xaa Asn Asn Ala Xaa
 1               5                  10                  15
```

BNSDOCID: <WO__ 0122920A2 I >

Asp Asp Tyr Leu Asn Ala Met Xaa Ser Glu Ala Pro Met Pro Ile Xaa
20 25 30

Phe Ala Met Phe Leu Thr Met
35

<210> 6829
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6829
Lys Val Leu Met Arg Asn Leu Ala Leu Pro Glu Asp Val Arg Gly Lys
1 5 10 15

Cys Thr Ser Leu Leu Gln Leu Tyr Asp Ala Ser Asn Ser Glu Trp Gln
20 25 30

Leu Gly Lys Thr Lys Val Phe Leu Arg Glu Ser Leu Glu Gln Lys Leu
35 40 45

Glu Lys Arg Arg Glu Glu Glu Val Ser His Ala Ala Met Val Ile Arg
50 55 60

Ala His Val Leu Gly Phe Leu Ala Arg Lys Gln Tyr Arg Lys Val Leu
65 70 75 80

Tyr Cys Val Val Ile Ile Gln Lys Asn Tyr Arg Ala Phe Leu Leu Arg
85 90 95

Arg Arg Phe Leu His Leu Lys Lys Ala Ala Ile Val Phe Gln Lys Gln
100 105 110

Leu Arg Gly Gln Ile Ala Arg Arg Val Tyr Arg Gln Phe Ala Gly Arg
115 120 125

Glu Lys Gly Ala Arg Xaa Lys Lys
130 135

<210> 6830
<211> 69

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6830
Asn Ser Leu Ala Lys Glu Thr Leu Glu Pro Leu Ser Gln Ala Ala Trp
1 5 10 15

Leu Leu Gln Val Lys Lys Thr Thr Asp Ser Asp Ala Lys Xaa Ile Tyr
20 25 30

Glu Arg Cys Thr Ser Leu Ser Ala Val Gln Ile Ile Lys Xaa Leu Asn
35 40 45

Ser Tyr Thr Pro Ile Asp Asp Phe Glu Lys Arg Val Thr Pro Ser Phe
50 55 60

Val Arg Lys Val Gln
65

<210> 6831
<211> 179
<212> PRT
<213> Homo sapiens

<400> 6831
Gly Lys Arg Tyr Ile Lys Ala Leu Ala Glu Glu Asn Arg Asn Val Val
1 5 10 15

Asp Gly Pro Tyr Ala Gly Val Met Thr Ala Tyr Asp Leu Lys Lys Thr
20 25 30

Leu Ala Val Leu Leu Asp Asn Ile Leu Gln Arg Ile Gly Lys Leu Glu
35 40 45

Ser Lys Val Asp Asn Leu Val Val Asn Gly Thr Gly Thr Asn Ser Thr
50 55 60

Asn Ser Thr Thr Ala Val Pro Ser Leu Val Ala Leu Glu Lys Ile Asn
65 70 75 80

```
Val Ala Asp Ile Ile Asn Gly Ala Gln Glu Lys Cys Val Leu Pro Pro
                 85                  90                  95

Met Asp Gly Tyr Pro His Cys Glu Gly Lys Ile Lys Trp Met Lys Asp
            100                 105                 110

Met Trp Arg Ser Asp Pro Cys Tyr Ala Asp Tyr Gly Val Asp Gly Ser
        115                 120                 125

Thr Cys Ser Phe Phe Ile Tyr Leu Ser Glu Val Glu Asn Trp Cys Pro
    130                 135                 140

His Leu Pro Trp Arg Ala Lys Asn Pro Tyr Glu Glu Ala Asp His Asn
145                 150                 155                 160

Ser Leu Ala Glu Ile Leu Gln Ile Phe Asn Ile Leu Tyr Ser Met Met
                165                 170                 175

Lys Lys Ala
```

<210> 6832
<211> 61
<212> PRT
<213> Homo sapiens

<400> 6832

```
Ala Cys Arg Asp Val Arg Arg Leu Ser Leu Ser Val Met Ala Leu Lys
  1               5                  10                  15

Glu Gln Thr Ile Pro Pro Ser Ala Lys Tyr Gly Gly Arg His Thr Val
             20                  25                  30

Thr Met Ile Pro Gly Asp Gly Ile Gly Pro Glu Leu Met Leu His Val
         35                  40                  45

Lys Ser Val Phe Arg His Ala Cys Val Thr Ser Gly Leu
     50                  55                  60
```

<210> 6833
<211> 33
<212> PRT
<213> Homo sapiens

<400> 6833

```
Gln Lys Leu Ala Pro Ile Ser Ile Ile Tyr Gln Ile Ser Pro Ser Leu
```

BNSDOCID: <WO__0122920A2_I_>

1 5 10 15

Asn Val Ser Leu Leu Leu Thr Leu Ser Ile Leu Ser Ile Ile Ala Gly
20 25 30

Ser

<210> 6834
<211> 29
<212> PRT
<213> Homo sapiens

<400> 6834
Thr Ile Thr Asn Thr Thr Asn Gln Tyr Ser Ser Leu Ile Ile Ile Met
1 5 10 15

Ala Ile Ala Ile Lys Leu Gly Ile Ala Pro Phe His Phe
20 25

<210> 6835
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6835
Xaa Gly Leu Asn Gln Thr Gln Leu Arg Lys Ile Leu Ala Tyr Ser Ser
1 5 10 15

Ile Thr His Ile Xaa
20

<210> 6836
<211> 29
<212> PRT

<213> Homo sapiens

<400> 6836
Thr Ile Thr Asn Thr Thr Asn Gln Tyr Ser Ser Leu Ile Ile Ile Met
1 5 10 15

Ala Ile Ala Ile Lys Leu Gly Ile Ala Pro Phe His Phe
20 25

<210> 6837
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6837
Leu Thr Pro Leu Ile Pro Ser Thr Leu Xaa Ser Leu Gly Xaa Leu Pro
1 5 10 15

Pro Leu Thr Gly Phe Leu Pro Lys Trp Ala Ile Ile Glu Glu Phe Thr
20 25 30

Thr Asn Xaa Ser Leu Ile Ile Pro Thr Ile Xaa Xaa His Ile Thr Ser
35 40 45

Leu Asn Ser Asn Ser Asn Tyr Ala
50 55

<210> 6838
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6838
Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu Cys
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe
20 25 30

Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala Leu
35 40 45

Leu Leu Pro Leu Pro
50

<210> 6839
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6839
Ser Xaa Thr Gly Ala Val Ile Leu Ile Ile Ala His Gly Leu Thr Ser
1 5 10 15

Ser Leu Leu Phe Cys Leu Ala Asn Ser Asn Tyr Glu Arg Thr His Arg
20 25 30

Arg Xaa Ile Ile Leu Ser Gln Gly Leu Gln Thr Leu Leu Pro Leu Ile
35 40 45

Xaa Phe
50

<210> 6840
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6840
Ile Ile Met Ala Ile Xaa Ile Lys Leu Gly Ile Ala Pro Phe His Phe
1 5 10 15

<210> 6841
<211> 152
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)

BNSDOCID: <WO_ 0122920A2 I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

ENSDOCID: <WO _ 0122920A2 I >

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6841
Pro Leu Ser Lys Val Pro Leu Gln Xaa Asn Phe Gln Asp Asn Gln Phe
1 5 10 15

Gln Gly Lys Trp Tyr Val Val Gly Leu Ala Xaa Asn Ala Ile Leu Arg
20 25 30

Glu Asp Lys Asp Pro Gln Lys Met Tyr Ala Thr Ile Tyr Glu Leu Lys
35 40 45

Glu Asp Xaa Ser Tyr Asn Val Thr Ser Val Leu Phe Xaa Lys Lys Lys
50 55 60

Cys Asp Tyr Trp Ile Xaa Thr Phe Val Pro Xaa Cys Xaa Pro Gly Glu
65 70 75 80

Phe Thr Leu Gly Asn Ile Xaa Xaa Tyr Pro Gly Leu Thr Xaa Tyr Leu
85 90 95

Val Arg Val Val Xaa Thr Thr Thr Thr Ser Met Leu Trp Cys Ser Ser
100 105 110

Lys Lys Phe Leu Xaa Thr Xaa Asn Ser Ser Xaa Ser Pro Leu Xaa Lys
115 120 125

Asn Xaa Glu Leu Asp Phe Arg Asn Leu Lys Glu Lys Leu Pro Pro Pro
130 135 140

Pro Pro Asn Ser Pro Gly Pro Pro
145 150

<210> 6842
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6842

```
Trp Gly Met Ser Cys His Gly Leu Gly Arg Thr Glu Ser Asn Arg Thr
  1               5                  10                  15

Leu Leu Leu Pro Trp Pro His Leu Val Gln His Arg Arg Pro Lys Pro
             20                  25                  30

Gly Leu Ser Pro Leu Ser Pro Thr His Leu Ser Leu Pro Arg Lys Lys
         35                  40                  45

Lys Cys Asp Tyr Trp Ile Arg Thr Phe Val Pro Xaa Cys Gln Pro Gly
     50                  55                  60

Glu Phe Thr Leu Gly Asn Ile Xaa Ser Tyr Pro Gly Leu Thr Ser Tyr
 65                  70                  75                  80

Leu Val Arg Met Val Ser Thr Asn Tyr Asn Gln His Ala Met Val Phe
                 85                  90                  95
```

BNSDOCID: <WO_ _0122920A2 I >>

```
Xaa Xaa Lys Val Ser Xaa Asn Arg Glu Val Leu Xaa Glu His Leu Leu
            100                 105                 110

Xaa Glu Asn Gln
        115
```

<210> 6843
<211> 70
<212> PRT
<213> Homo sapiens

<400> 6843

```
Arg Thr Gly Arg Trp Gly Gln Glu Met Val Leu Leu Ser Thr Leu Gly
  1               5                  10                  15

Ile Val Phe Gln Gly Glu Gly Pro Pro Ile Ser Ser Cys Asp Thr Gly
             20                  25                  30

Thr Met Ala Asn Cys Glu Arg Thr Phe Ile Ala Ile Lys Pro Asp Gly
         35                  40                  45

Val Gln Arg Gly Leu Val Gly Glu Ile Ile Lys Arg Phe Glu Gln Lys
     50                  55                  60

Gly Ser Ala Leu Leu Val
 65                  70
```

<210> 6844
<211> 138
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6844
Leu Glu Ala Leu Phe Ser Asp Val Asn Met Gln Glu Tyr Pro Asp Leu
1 5 10 15

Ile His Ile Tyr Lys Gly Phe Glu Asn Val Ile His Asp Lys Leu Pro
20 25 30

Leu Gln Glu Ser Glu Glu Glu Glu Arg Glu Glu Arg Ser Gly Leu Gln
35 40 45

Leu Ser Leu Glu Gln Gly Thr Gly Glu Asn Ser Phe Arg Ser Leu Thr
50 55 60

Trp Pro Pro Ser Gly Ser Pro Ser His Ala Gly Thr Thr Pro Pro Glu
65 70 75 80

Asn Gly Leu Ser Glu His Pro Cys Glu Thr Glu Gln Ile Asn Ala Lys
85 90 95

Arg Lys Asp Thr Thr Ser Asp Lys Asp Asp Ser Leu Gly Ser Gln Gln
100 105 110

Thr Asn Glu Gln Cys Ala Gln Lys Ala Xaa Pro Thr Glu Val Cys Glu
115 120 125

Pro Ile Xaa Xaa Pro Ser Glu Ile Trp Gly
130 135

<210> 6845
<211> 133
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6845
Val His Leu Thr Lys Gly Xaa Lys Ala Gly Ala Pro Pro Arg Cys Gly
1 5 10 15

Arg Ser Arg Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Asp

```
            20                  25                  30

Ser Val Leu Arg Gly Cys Ser Leu Glu Gln Arg Ser Phe Ile Ser Val
        35                  40                  45

Arg Leu Leu Ser Tyr Leu Ser Ala Cys Arg His Pro Met Glu Asp Ser
    50                  55                  60

Met Asp Met Asp Met Ser Pro Leu Arg Pro Gln Asn Tyr Leu Phe Gly
65                  70                  75                  80

Cys Glu Leu Lys Ala Asp Lys Asp Tyr His Phe Lys Val Asp Asn Asp
                85                  90                  95

Glu Asn Glu His Gln Leu Ser Leu Arg Thr Val Ser Leu Gly Ala Gly
            100                 105                 110

Ala Lys Asp Glu Leu His Ile Val Glu Ala Glu Ala Met Asn Tyr Xaa
        115                 120                 125

Gly Ser Pro Leu Lys
    130
```

<210> 6846
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6846

```
Glu Lys Ser Arg Glu His Glu Ile Asp Gly Arg Ser Ile Ser Leu Tyr
  1               5                  10                  15

Tyr Thr Gly Glu Lys Gly Gln Asn Gln Asp Tyr Arg Gly Gly Lys Asn
            20                  25                  30

Ser Thr Trp Ser Gly Glu Ser Lys Thr Leu Val Leu Ser Asn Leu Ser
        35                  40                  45

Tyr Ser Ala Thr Glu Glu Thr Leu Gln Glu Val Phe Glu Lys Ala Thr
    50                  55                  60

Phe Ile Lys Val Pro Gln Asn Gln Asn Gly Lys Ser Lys Gly Tyr Ala
65                  70                  75                  80
```

Phe Ile Glu Phe Ala Ser Phe Glu Asp Ala Lys Glu Ala Leu Asn Ser
85 90 95

Cys Asn Lys Arg Glu Ile Glu Gly Arg Ala Ile Arg Leu Glu Leu Gln
100 105 110

Gly Pro Arg Gly Ser Pro Asn Ala Arg Ser Gln Pro Ser Lys Thr Leu
115 120 125

Phe Val Lys Gly Leu Ser Glu Asp Thr Thr Glu Glu Thr Leu Xaa Gly
130 135 140

Val Ile
145

<210> 6847
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _0122920A2_I_>

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6847
Ser Gly Ser Xaa Phe Trp Lys Ala Leu Thr Phe Met Ala Val Gly Gly
1 5 10 15

Gly Leu Ala Val Ala Gly Leu Pro Ala Leu Gly Phe Thr Gly Ala Gly
20 25 30

Ile Ala Ala Asn Ser Val Ala Ala Ser Leu Met Xaa Trp Ser Ala Ile
35 40 45

Leu Asn Gly Gly Gly Val Pro Ala Gly Gly Leu Val Ala Thr Leu Gln
50 55 60

Ser Leu Gly Ala Gly Gly Ser Lys Val Xaa Ile Xaa Asn Ile Gly Ala
65 70 75 80

Leu Met Gly Tyr Ala Thr His Xaa Tyr Leu Asp Ser Glu Glu Asp Xaa
85 90 95

Glu Xaa Pro Ala Ala Xaa Xaa Thr Ser Ser Ser Phe Leu Ala
100 105 110

<210> 6848
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6848

```
His Leu Cys Ala Glu Ser Asp Ser Val Leu Arg Val Thr Arg Arg Gly
  1               5                  10                  15

Glu Gln Ala Asp His Phe Thr Gln Thr Pro Leu Xaa Pro Gly Ser Gln
             20                  25                  30

Val Leu Val Arg Val Asp Trp Glu Arg Arg Phe Asp His Met Gln Gln
         35                  40                  45

His Ser Gly Gln His Leu Ile Thr Ala Val Xaa Asp His Leu Phe Lys
     50                  55                  60

Leu Lys Thr Thr Ser Xaa Glu Leu Gly Arg Phe Arg Ser Ala Ile Xaa
 65                  70                  75                  80

Leu Asp Thr Pro Ser Met Thr
                 85
```

<210> 6849
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6849

```
Asn Pro Ala Leu Glu Leu Lys Arg Ala Thr Trp Leu Asn Ala Glu Lys
  1               5                  10                  15

Asn Gly Gln Arg Pro Lys Thr Gln Leu Leu Pro Gln Lys Thr Thr Cys
             20                  25                  30

Gln Lys Ile Pro Arg Asn Asn Arg Leu Met Tyr Ile His Ser Tyr Gln
         35                  40                  45

Ser Tyr Val Trp Asn Asn Met Val Ser Lys Arg Ile Glu Asp Tyr Gly
     50                  55                  60

Leu Asn Leu Phe Gln Gly Thr Ser Xaa Ser Lys Asp Pro Ser Pro Tyr
 65                  70                  75                  80

Ile Glu Glu Asp Asp Val Ile Ile Thr Leu Xaa Met Met Trp Glu Cys
                 85                  90                  95

Leu Ala Trp Phe Arg Trp Tyr Leu Pro Gln Ala Leu Lys Phe Lys Lys
            100                 105                 110

Pro Thr Gly Lys Cys Ser Gln Leu Thr Ile
        115                 120
```

<210> 6850
<211> 81
<212> PRT
<213> Homo sapiens

<400> 6850

```
Cys Thr Ile Cys Thr Ala Thr Ser Arg Val Gly Val Ile Gly Ile Gly
  1               5                  10                  15

Gly Leu Gly His Ile Ala Ile Lys Leu Leu His Ala Met Gly Cys Glu
             20                  25                  30

Val Thr Ala Phe Ser Ser Asn Pro Ala Lys Glu Gln Glu Val Leu Ala
         35                  40                  45

Met Gly Ala Asp Lys Val Val Asn Ser Arg Asp Pro Gln Ala Leu Lys
     50                  55                  60

Ala Leu Ala Gly Gln Phe Asp Leu Ile Ile Asn Thr Val Asn Val Ser
 65                  70                  75                  80

Leu
```

<210> 6851
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6851
Ala Xaa Xaa Thr Glu Asn Cys Lys Ile Leu Met Thr Lys Ile Lys Glu
1 5 10 15

Asp Ile Asn Lys Trp Arg Asn Ile Pro Cys Ser Trp Ile Gly Arg Leu
20 25 30

Thr Leu Leu Asn Cys His Phe Ser Pro Asp Gly Ser Thr Glu Ser Thr
35 40 45

<210> 6852
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6852
Ala Ala Ala Ala Ala Arg Arg Asp Ala Ala Glu Val Phe Leu Val Ser
1 5 10 15

Asp Pro Ser Gly Arg Met Val Lys Ser Ser Leu Gln Arg Ile Leu Asn
20 25 30

Ser His Cys Phe Ala Arg Glu Lys Glu Gly Asp Lys Pro Ser Ala Thr
35 40 45

Ile His Ala Xaa Arg Thr Met Pro Leu Leu Ser Leu His Xaa Pro Xaa
50 55 60

<210> 6853
<211> 106
<212> PRT
<213> Homo sapiens

<400> 6853
Lys Gln Ser Pro Glu Leu Val Lys Lys His Lys Lys Lys Arg Val Val
1 5 10 15

Pro Lys Lys Pro Pro Pro Ser Pro Gln Pro Thr Gly Lys Ile Glu Ile
20 25 30

Lys Ile Val Arg Pro Trp Ala Glu Gly Thr Glu Glu Gly Ala Arg Trp
35 40 45

Leu Thr Asp Glu Asp Thr Arg Asn Leu Lys Glu Ile Phe Phe Asn Ile
50 55 60

Leu Val Pro Gly Ala Glu Glu Ala Gln Lys Glu Arg Gln Arg Gln Lys
65 70 75 80

Glu Leu Glu Ser Asn Tyr Arg Arg Val Trp Gly Ser Pro Gly Gly Glu
85 90 95

Gly Thr Gly Asp Leu Asp Glu Phe Asp Phe
100 105

<210> 6854
<211> 44
<212> PRT
<213> Homo sapiens

<400> 6854
Asn Arg Leu Phe Arg Lys Ser Cys Thr Ser Leu Lys Phe Leu Thr Phe
1 5 10 15

Thr Cys Phe Phe Gln Ser Tyr Leu Tyr Gln Ile Leu Gln Gly Ile Val
20 25 30

Phe Cys His Ser Arg Arg Val Leu His Arg Asp Leu
35 40

<210> 6855
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6855
Ala Arg Ala Glu Phe Gly Thr Ser Gly Thr Ser Lys Gly Ser Cys Phe
1 5 10 15

His Arg Ile Ile Pro Gly Phe Met Cys Gln Gly Gly Asp Phe Thr Arg
20 25 30

His Asn Gly Thr Gly Gly Lys Ser Ile Tyr Gly Glu Lys Phe Glu Asp
35 40 45

Xaa Asn Phe Ile Leu Lys His Thr Gly Pro Gly Ile Leu Ser Met Ala
50 55 60

Asn Ala Gly Pro Asn Thr Asn Gly Ser Gln Phe Phe Ile Cys Thr Ala
65 70 75 80

Gln Asp

<210> 6856
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6856
Val Asn Ser Leu Pro Gly Ser Pro Asp Leu Val Asp Tyr Thr Leu Ser
1 5 10 15

Xaa Pro Ala Arg Ala Xaa Xaa Thr Xaa Arg Thr Arg Gly Gly Thr His
20 25 30

<210> 6857
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6857

```
Ile Gly Gly Xaa Ile Pro Ala Gly Pro Gln Cys Thr Leu Val Ser Arg
 1               5                  10                  15

Ala Pro Gln Thr Leu Lys Met Asp Glu Leu Leu Ala Glu Met Gln Gln
            20                  25                  30

Thr Xaa Glu Ser Asn Phe Leu Gln Ala Pro Gln Arg Ala Pro Gly Val
        35                  40                  45

Xaa Asp Leu Ala Leu Ser Glu Asn Trp Ala Gln Ser Asp Leu Gln Leu
    50                  55                  60

Glu Met Leu Trp Met
65
```

<210> 6858
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6858

```
Leu Trp Arg Val Trp Gly Ala Glu Pro Arg Ala Pro Val Gly Pro Leu
 1               5                  10                  15

Leu Trp Arg Trp Ala Gln Pro Gly Ala Ala Ser Phe Glu Gly Arg Arg
            20                  25                  30

Asp Leu Phe Lys Gly Val Glu Thr Gly Arg Lys Arg Pro Arg Leu Gly
        35                  40                  45

Phe Gln Gly Ala Gly Asn Val Asn Arg Arg Leu Ala Cys Pro Leu Thr
    50                  55                  60

Val Ala Pro Ser Ser Pro Arg Lys Met Phe Ser Ser Val Ala His Leu
```

65 70 75 80

Ala Arg Ala Asn Pro Phe Asn Thr Pro His Leu Gln Leu Val His Asp
85 90 95

Gly Leu Gly Asp Leu Arg Ser Xaa Xaa Pro Gly Pro Thr Gly Xaa Pro
100 105 110

Arg Arg Leu Ala Thr Cys Ser Arg Arg Arg Gly Arg Val Gln Leu
115 120 125

<210> 6859
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6859
Ile Arg His Xaa Val Lys Arg Gly Leu Val Leu Arg Asn Glu Lys Cys
1 5 10 15

Asn Glu Asn Tyr Thr Thr Asp Phe Ile Phe Asn Leu Tyr Ser Glu Glu
20 25 30

Gly Lys Gly Ile Phe Asp Ser Arg Xaa Asn Val Leu Gly His Met Gln
35 40 45

Gln Gly Gly Ser Pro Thr Pro Phe Asp Arg Asn Phe Ala Thr Lys Met
50 55 60

Gly Ala Lys Ala Met Asn Trp Xaa Ser Gly Lys Ile Lys Lys Asn Tyr
65 70 75 80

Arg Asn Gly Arg Ile Phe Ala Xaa Thr Pro Xaa Pro Ala Leu Phe Leu
85 90 95

Gly Tyr Leu Lys Xaa Leu Val Phe Xaa Gln Trp Leu Thr Glu Arg Gln
100 105 110

Xaa

<210> 6860
<211> 70
<212> PRT
<213> Homo sapiens

<400> 6860
Met Glu Arg Gly Lys Ile Gln Val Ser Thr Asp Phe Ala Met Gln Asn
1 5 10 15

Val Leu Leu Gln Met Gly Leu His Val Leu Ala Val Asn Gly Met Leu
20 25 30

Ile Arg Glu Ala Arg Ser Tyr Ile Leu Arg Cys His Gly Cys Phe Lys
35 40 45

Thr Thr Ser Asp Met Ser Arg Val Phe Cys Ser His Cys Gly Asn Lys
50 55 60

Thr Leu Lys Lys Cys Pro
65 70

<210> 6861
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6861
Val Ala Pro Thr Gly Pro Met Ala Ala Pro Gly Ala Pro Ala Glu Tyr
1 5 10 15

Gly Tyr Ile Arg Thr Val Leu Gly Gln Gln Ile Leu Gly Gln Leu Asp
20 25 30

Ser Ser Ser Leu Ala Leu Pro Ser Glu Ala Lys Leu Lys Leu Ala Gly
35 40 45

Ser Ser Gly Arg Gly Gly Gln Thr Val Lys Ser Leu Arg Ile Gln Glu
50 55 60

Gln Val Gln Gln Thr Leu Xaa Arg Lys Ala Ala Ala Pro Trp Ala Thr
65 70 75 80

Glu Ile Phe Thr Glu Pro Ala Val Phe
85

<210> 6862
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6862
Ser Xaa Arg Phe Gly Thr Arg Arg Gly Ser Ser His Leu Ser Gln Trp
1 5 10 15

Leu Asn Asn Xaa Phe Ala Leu Pro Phe Ser Xaa Met Ala Ser Xaa Leu

20 25 30

Asp Met Ser Xaa Val Val Gly Ala Gly Xaa Lys His Thr Pro Asp Ser
35 40 45

Xaa Asn Lys Cys Ser Xaa Trp Gly Leu Cys His Lys Leu His Arg Ser
50 55 60

Leu Ser Ser Pro Xaa Ala Ser Gly Lys Xaa Leu Gln Leu His Ser His
65 70 75 80

His Pro Val Pro Gln Lys Arg Xaa Pro Ile
85 90

<210> 6863
<211> 138
<212> PRT
<213> Homo sapiens

<400> 6863
Ser Asp Ser Asp Lys Glu Trp Ile Ala Ala Leu Arg Arg Lys Tyr Arg
1 5 10 15

Ser Arg Glu Gln Thr Leu Ser Ser Ser Gly Glu Ser Trp Glu Thr Leu
20 25 30

Pro Gly Lys Glu Glu Arg Glu Pro Pro Gln Ala Lys Val Ser Ala Ser
35 40 45

Thr Gly Thr Ser Pro Gly Pro Gly Ala Ser Ala Ser Ala Gly Ala Gly
50 55 60

Ala Gly Ala Asn Ala Gly Ser Asn Gly Ser Asn Tyr Leu Glu Glu Val
65 70 75 80

Arg Glu Pro Ser Leu Gln Glu Glu Gln Ala Ser Leu Glu Glu Gly Glu
85 90 95

Ile Pro Trp Leu Gln Tyr His Glu Asn Asp Ser Ser Ser Glu Gly Asp
100 105 110

Asn Asp Ser Gly His Glu Leu Met Gln Pro Gly Val Phe Met Leu Asp
115 120 125

Gly Asn Thr Thr Leu Lys Met Thr Ser Val
130 135

BNSDOCID: <WO__0122920A2_I_>

<210> 6864
<211> 159
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6864

Val	Phe	Xaa	Gln	Phe	Asn	Gly	Lys	Arg	Cys	Thr	Asp	Ala	Val	Gly	Asp
1				5					10					15	
Arg	Arg	Gln	Cys	Val	Pro	Thr	Glu	Pro	Cys	Glu	Asp	Ala	Glu	Asp	Asp
			20					25					30		
Cys	Gly	Asn	Asp	Phe	Gln	Cys	Ser	Thr	Gly	Arg	Cys	Ile	Lys	Met	Arg
		35					40					45			
Leu	Arg	Cys	Asn	Gly	Asp	Asn	Asp	Cys	Gly	Asp	Phe	Ser	Asp	Glu	Asp
	50					55					60				
Asp	Cys	Glu	Ser	Glu	Pro	Arg	Pro	Pro	Cys	Arg	Asp	Arg	Val	Val	Glu
65					70					75					80
Glu	Ser	Glu	Leu	Ala	Leu	Thr	Ala	Gly	Tyr	Gly	Ile	Asn	Ile	Leu	Gly
				85					90					95	
Met	Asp	Pro	Leu	Ser	Thr	Pro	Phe	Asp	Asn	Glu	Phe	Tyr	Asn	Gly	Leu
			100					105					110		
Cys	Asn	Arg	Asp	Arg	Asp	Gly	Asn	Thr	Leu	Thr	Tyr	Tyr	Arg	Arg	Pro
		115					120					125			
Trp	Asn	Val	Ala	Ser	Leu	Ile	Tyr	Glu	Thr	Lys	Gly	Glu	Lys	Asn	Phe

BNSDOCID: <WO__0122920A2 I_>

130 135 140

Xaa Thr Glu His Ser Xaa Asn Lys Leu Xaa His Leu Lys Val Ser
145 150 155

<210> 6865
<211> 86
<212> PRT
<213> Homo sapiens

<400> 6865
Lys Asn Ser Ser Glu Gly Asn Lys His His Lys Ser Thr Pro Leu Leu
1 5 10 15

Ile His Cys Arg Asp Gly Ser Gln Gln Thr Gly Ile Phe Cys Ala Leu
20 25 30

Leu Asn Leu Leu Glu Ser Ala Glu Thr Glu Glu Val Val Asp Ile Phe
35 40 45

Gln Val Val Lys Ala Leu Arg Lys Ala Arg Pro Gly Met Val Ser Thr
50 55 60

Phe Glu Gln Tyr Gln Phe Leu Tyr Asp Arg His Cys Gln His Leu Pro
65 70 75 80

Cys Ser Glu Trp Thr Arg
85

<210> 6866
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6866
Ile Arg Val Asn Ala Val Asn Pro Thr Val Val Met Thr Ser Met Gly
1 5 10 15

Gln Ala Thr Trp Ser Asp Pro His Lys Ala Lys Thr Met Leu Asn Arg
20 25 30

Ile Pro Leu Gly Lys Phe Ala Glu Val Glu His Val Val Asn Gly Ile
35 40 45

Leu Phe Leu Leu Ser
50

<210> 6867
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6867
Thr Met Xaa Phe Phe Lys Ile Leu Arg Gly Gln Asp His Cys Gly Xaa
1 5 10 15

Glu Ser Glu Val Val Ala Gly Ile Pro Arg Thr Asp Gln Tyr Trp Glu
20 25 30

Lys Ile

<210> 6868
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6868
His Ile Xaa Ala Pro Ala Ala Xaa Pro Lys Ala Thr Pro Ile Thr Thr
1 5 10 15

Pro Trp Pro Gly Gly Asn Ala Tyr Ile Asp Asn Leu Xaa Ala Asp Gly
20 25 30

Asp Leu Xaa Glu Arg Gly Ile Val Ala Thr Arg Thr Arg Xaa Pro Ser
35 40 45

Gly Arg Xaa Pro Arg Xaa Thr Xaa Xaa Xaa Leu Thr Gln Ala Glu Val
50 55 60

Val Ser Trp Leu Ala Lys Thr Gly Lys Phe Tyr Phe Asn Gly
65 70 75

<210> 6869
<211> 86
<212> PRT
<213> Homo sapiens

<400> 6869
Lys Arg Gly His Tyr Gly Val Gln Arg Thr Glu Leu Leu Pro Gly Asp
1 5 10 15

Arg Asp Asn Leu Ala Ile Gln Thr Arg Gly Gly Pro Glu Lys His Glu
20 25 30

Val Thr Gly Trp Val Leu Val Ser Pro Leu Ser Lys Glu Asp Ala Gly
35 40 45

Glu Tyr Glu Cys His Ala Ser Asn Ser Gln Gly Gln Ala Ser Ala Ser
50 55 60

Ala Lys Ile Thr Val Val Asp Ala Leu His Glu Ile Pro Val Lys Lys
65 70 75 80

Gly Glu Gly Ala Glu Leu
85

<210> 6870
<211> 159
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6870

```
Asp Arg Glu Gln Lys Ser Tyr Arg Gly His Ser Lys Gln Gln His His
  1               5                  10                  15

Val Thr Thr Lys Asp Leu His Leu Lys Leu Asn Thr Glu Cys Ser Ile
             20                  25                  30

Ser Thr Asp Ser Lys Gly Phe Pro Lys Asn Ile Thr Asn Asn Arg Gly
         35                  40                  45

Lys Lys Arg Tyr Pro Asp Ser Lys Asp Leu Thr Met Val Leu Lys Thr
     50                  55                  60

Tyr Asp Thr Ser Phe Leu Asp Phe Leu Gln Lys Val Phe Gly Met Gly
 65                  70                  75                  80

Asn Leu Ser Leu Ser His Gly Pro Arg Asp Gln Ala Leu Gln Ala Trp
                 85                  90                  95

Leu Gly Ile Pro Ser Val Phe Gly Asn Leu Gln Ala Thr Ala Gln Ala
            100                 105                 110

Pro Asp Pro Gly Gly Xaa Ser Xaa Phe Leu Phe Xaa Pro Leu Gly Asp
        115                 120                 125

Lys Gly Arg Asp Lys Val Ser Arg Val Val Ile His Ser Glu Gln Xaa
    130                 135                 140

Arg Gln Met Glu Ile Xaa Pro Lys Gly Xaa Pro Gly Glu Thr Lys
145                 150                 155
```

<210> 6871
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6871

```
Gly Xaa Trp Gly Ile Ser Pro Arg Gly Ala Gly Tyr Thr Phe Gly Gln
  1               5                  10                  15

Asp Ile Ser Glu Thr Phe Asn His Ala Asn Gly Leu Thr Leu Val Ser
             20                  25                  30

Arg Ala His Gln Leu Val Met Glu Gly Tyr Asn Trp Cys His Asp Arg
         35                  40                  45

Asn Val Val Thr Ile Phe Ser Ala Pro Asn Tyr Cys Tyr Arg Cys Gly
     50                  55                  60

Asn Gln Ala Ala Ile Met Glu Leu Asp Asp Thr Leu Lys Tyr Ser Phe
 65                  70                  75                  80

Leu Gln Phe Asp Pro Ala Pro Arg Arg Gly Glu Pro His Val Thr Arg
                 85                  90                  95

Xaa Thr Pro Asp Tyr Phe Leu
            100
```

<210> 6872
<211> 64
<212> PRT
<213> Homo sapiens

<400> 6872

```
Tyr Ile Ala Ala Cys Leu Leu Leu Tyr Leu Ser Asp Thr Ile Ser Pro
  1               5                  10                  15

Glu Gln Ala Ile Asp Ser Leu Arg Asp Leu Arg Gly Ser Gly Ala Ile
             20                  25                  30

Gln Thr Ile Lys Gln Tyr Asn Tyr Leu His Glu Phe Arg Asp Lys Leu
         35                  40                  45

Ala Ala His Leu Ser Ser Arg Asp Ser Gln Ser Arg Ser Val Ser Arg
     50                  55                  60
```

<210> 6873
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6873

Ile	Thr	His	Gln	Ile	Arg	Val	Leu	Arg	Leu	Thr	Trp	Val	Leu	Val	Trp
1				5				10						15	

Asn	Val	Leu	Leu	Val	Gln	Trp	Glu	Arg	Val	Leu	Lys	Val	Phe	His	Tyr
			20					25					30		

Phe	Glu	Ser	Asn	Ser	Glu	Pro	Thr	Thr	Trp	Ala	Ser	Ile	Xaa	Arg	His
		35					40					45			

Gly	Asp	Ala	Thr	Asp	Val	Arg	Gly	Ile	Ile	Gln	Lys	Ile	Val	Asp	Ser
	50					55					60				

His	Lys	Xaa	Lys	His	Cys	Gly	Leu	Leu	Trp	Ile	Pro	Ala	Ser	Val	Pro
65				70					75						80

Cys	Xaa	Gln	Xaa	Glu	Gly	Ser	Leu	Xaa	Ser
			85					90	

BNSDOCID: <WO __0122920A2 I >

<210> 6874
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6874
Arg Ser Phe Gln Glu Tyr Met Ala Gln Met Glu Lys Lys Leu Glu Glu
1 5 10 15

Glu Arg Glu Asn Leu Leu Arg Glu His Glu Arg Leu Leu Lys His Lys
20 25 30

Leu Lys Val Gln Glu Glu Met Leu Lys Glu Glu Phe Gln Lys Lys Ser
35 40 45

Glu Gln Xaa Asn Lys Glu Ile Asn Gln Leu Lys Glu Lys Ile Glu Ser
50 55 60

Thr Lys Asn Glu Gln Val Lys Ala Leu Lys Asp Pro
65 70 75

<210> 6875
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6875
Pro Arg Val Arg Leu Gly Phe Phe Glu Gly Ser Val Leu Phe Pro Glu
1 5 10 15

Pro Leu Thr Trp Met Asp Lys Leu Val Val Glu Tyr Ala Asn Ala Ile
20 25 30

Cys Gln Trp Glu Arg Asn Lys Leu Gln Cys Ser Asp Thr Glu Gln Val
35 40 45

Glu Ala Asp Leu Glu
50

<210> 6876
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6876
Gly Pro Ala Gln Ala Xaa Phe Lys Phe Pro Gly Arg Gln Lys Ile His
1 5 10 15

Ile Ser Lys Lys Trp Gly Phe Thr Lys Phe Asn Ala Asp Glu Phe Glu
20 25 30

Asp Met Val Ala Glu Lys Arg Xaa Ala Ser Gln Met Ala Val Gly Ser
35 40 45

Ser Thr Ser Pro Val Val Gly Pro Leu Gly Gln Val Ala Gly Pro Ala
50 55 60

Leu His Gly Gly Leu Ser Asn Val Leu Ala Pro Leu Leu Asn Thr Ser
65 70 75 80

Pro Ile Lys Phe

<210> 6877
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6877
Ile Xaa Ser Glu Leu Tyr Val Arg Pro Asp Asp Val His Val Asn Ile
1 5 10 15

Arg Leu Val Glu Leu Tyr Arg Ser Thr Lys Arg Leu Lys Asp Ala Val
20 25 30

Ala His Cys His Glu Ala Arg Arg Asn Ile Ala Leu Xaa Xaa Lys Phe
35 40 45

Arg Val Glu Phe Val Cys Cys Thr Asp Pro
50 55

<210> 6878
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6878
Thr Gly Val Asp Ser Gly Gly Ala Ala Arg Arg Asp Met Arg Leu Ser
1 5 10 15

Trp Phe Arg Val Leu Thr Val Leu Ser Ile Cys Leu Ser Ala Val Ala
20 25 30

Thr Ala Thr Gly Ala Glu Gly Lys Arg Lys Leu Gln Ile Gly Val Lys
35 40 45

Lys Arg Val Asp His Cys Pro Ile Lys Ser Arg Lys Gly Asp Val Leu
50 55 60

His Met His Tyr Thr Gly Lys Leu Glu Xaa Gly Thr Xaa Phe Asp Ser
65 70 75 80

Ser Leu Pro

<210> 6879
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6879

Gly Arg Asp Pro Val Arg Ala Pro Ala Pro Ser Asn Xaa Gly Gly Pro
1 5 10 15

Glu Pro Xaa Trp Arg Ser Pro Xaa Pro Leu Ser Ala Ser Leu His Xaa
20 25 30

Thr Ser Pro His Pro Xaa Gly Leu Trp Thr Thr Thr Xaa Xaa Arg Ala
35 40 45

Xaa Ala Gly Arg Gly Gly Ala Xaa Gly Pro Xaa Gly Pro Xaa Xaa Gly
50 55 60

Xaa Lys Ile Cys Gln Phe Lys Leu Xaa Leu Leu Gly Glu Ser Ser Val
65 70 75 80

Gly Lys Ser Ser Leu Val Leu Arg Phe Phe Lys Gly Gln Phe Tyr Xaa

85 90 95

Tyr His Glu Ser Thr Ile
100

<210> 6880
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6880
Ala Leu Glu Met Leu Leu Ala Ala Trp Gly Lys Ser Ser Leu Thr Ile
1 5 10 15

Gln Phe Val Glu Gly Gln Phe Val Asp Ser Tyr Asp Pro Thr Ile Glu
20 25 30

Asn Thr Phe Thr Lys Leu Ile Thr Val Lys Trp Thr Xaa Leu Ser Cys
35 40 45

Xaa Thr Cys Arg His Ser Arg Ala Lys Met Asn Ile Leu Ser Phe Pro
50 55 60

Ser Gly His Thr Pro
65

<210> 6881
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6881
Thr Leu Arg Pro Thr Gln Thr Xaa Asn Xaa Tyr Tyr Cys Ala Arg His
1 5 10 15

Thr Asn Gln Xaa His Pro Xaa Tyr Arg Met Lys Arg Trp Ile Asp Pro
20 25 30

Trp Gly Xaa Gly Thr Xaa Val Thr Asp Xaa Ser
35 40

<210> 6882
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6882
Arg Arg Ile Lys Asp Phe Leu Leu Thr Ala Arg Arg Lys Asp Ala Lys
1 5 10 15

Ser Val Lys Ile Lys Lys Asn Lys Asp Asn Val Lys Phe Lys Val Arg
20 25 30

Cys Ser Arg Tyr Leu Tyr Thr Leu Val Xaa Thr Asp Lys Glu Lys Ala
35 40 45

Xaa Lys Leu Lys Gln Ser Leu Pro Pro Arg Phe Ala Gln
50 55 60

<210> 6883
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO__ 0122920A2 I_>

<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6883

```
Gln Asp Gln Gly Glu Lys Glu Asn Pro Met Arg Glu Leu Arg Ile Arg
  1               5                  10                  15

Lys Leu Cys Xaa Asn Ile Cys Val Gly Glu Ser Gly Xaa Arg Leu Thr
             20                  25                  30

Arg Ala Ala Lys Val Xaa Glu Gln Leu Thr Gly Gln Thr Xaa Val Xaa
         35                  40                  45

Ser Lys Ala Arg Tyr Thr Val Arg Ser Phe Gly Ile Arg Arg Asn Glu
     50                  55                  60

Lys Ile Ala Val His Cys Thr Val Leu Gly Ala Lys Ala Glu Glu Ile
 65                  70                  75                  80

Leu Glu Xaa Gly Leu Lys Val Arg Glu Tyr Xaa Leu Xaa Xaa Asn Asn
                 85                  90                  95

Phe Ser Asp Xaa Gly Asn Phe
            100
```

<210> 6884
<211> 102
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6884
Phe Ala Lys Met Thr Asn Thr Lys Gly Lys Arg Arg Gly Thr Arg Tyr
1 5 10 15

Met Phe Ser Arg Pro Phe Xaa Lys His Gly Val Val Pro Leu Ala Thr
20 25 30

Tyr Met Arg Ile Tyr Lys Lys Gly Asp Ile Val His Ile Lys Gly Met
35 40 45

Gly Thr Val Xaa Lys Gly Met Pro His Lys Cys Tyr His Gly Ile Thr
50 55 60

Gly Xaa Val Tyr Xaa Val Thr Xaa Xaa Ala Val Gly Ile Val Val Asn
65 70 75 80

Lys Gln Val Xaa Gly Lys Ile Leu Ala Lys Arg Ile Asn Val Arg Ile
85 90 95

Glu His Ile Xaa His Ser
100

<210> 6885
<211> 155
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6885
Xaa Pro Lys Ala Lys Lys Glu Ala Pro Ala Pro Pro Lys Ala Glu Ala
1 5 10 15

Lys Ala Lys Ala Leu Lys Ala Lys Lys Ala Val Leu Lys Gly Val His
20 25 30

Ser His Lys Lys Lys Lys Ile Arg Thr Ser Pro Thr Phe Arg Arg Pro
35 40 45

Lys Thr Leu Arg Leu Arg Arg Gln Pro Lys Tyr Pro Arg Lys Ser Ala
50 55 60

Pro Arg Arg Asn Lys Leu Asp His Tyr Ala Ile Ile Lys Phe Pro Leu
65 70 75 80

Thr Thr Glu Ser Ala Met Lys Lys Ile Glu Asp Asn Asn Thr Leu Val
85 90 95

Phe Ile Val Asp Val Lys Ala Asn Lys His Gln Ile Lys Gln Ala Val
100 105 110

Lys Lys Leu Tyr Asp Ile Asp Val Ala Lys Val Asn Thr Leu Ile Arg
115 120 125

Pro Asp Gly Glu Lys Lys Ala Tyr Val Arg Leu Ala Pro Asp Tyr Asp

130 135 140

Ala Leu Asp Val Ala Asn Lys Ile Gly Ile Ile
145 150 155

<210> 6886
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6886
Asn Leu Gly Xaa Trp Cys Leu Ser Trp Leu Gly Arg Tyr Ser Gly Arg
1 5 10 15

Lys Xaa Val Ile Val Lys Xaa Xaa Asp Asp Gly Thr Ser Xaa Arg Pro
20 25 30

Tyr Ser His Ala Leu
35

<210> 6887
<211> 143

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6887

```
Met Ile Thr Pro Phe Leu Ile Arg Leu Xaa Ile Gly Lys Ala Gly Thr
  1               5                  10                  15

Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Val
             20                  25                  30

Ala Ala Ala Glu Gly Ala Ala Ala Met Ser Ala His Leu Gln Trp Met
         35                  40                  45

Val Val Arg Asn Cys Ser Ser Phe Leu Ile Lys Arg Asn Lys Gln Thr
     50                  55                  60

Tyr Ser Thr Glu Pro Asn Asn Leu Lys Ala Arg Asn Ser Phe Arg Tyr
 65                  70                  75                  80

Asn Gly Leu Ile His Arg Lys Thr Val Gly Trp Ser Arg Gln Pro Thr
                 85                  90                  95

Gln Ser Ser Gly Gly Ser Leu Thr Glu Ser Gly Thr Glu Pro Ala Thr
            100                 105                 110

Pro Met Cys Asp Thr Ser Thr Asp Val Arg Pro Ser His Ser Thr Tyr
        115                 120                 125

Pro Lys His Thr Pro Leu Pro Xaa His Xaa Ala Xaa Ser Pro Gln
    130                 135                 140
```

BNSDOCID: <WO_ _ 0122920A2 I_>

<210> 6888
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6888
His Glu Arg Lys Glu Gly Xaa Arg Xaa Xaa Xaa Arg Xaa Phe Xaa His
1 5 10 15

Gln Arg Met Ile Thr Arg Glu Tyr Xaa Ile Asn Ile His Asn Arg Ile
20 25 30

His Xaa Val Gly Phe Lys Xaa Arg Ala Pro Arg Ala Leu Xaa
35 40 45

<210> 6889
<211> 159
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6889
Xaa Xaa Thr Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
1 5 10 15

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
20 25 30

Ser Ala Arg Gly Cys Leu Gln Ala Leu Arg Met Val Gln Arg Leu Thr
35 40 45

Tyr Arg Arg Arg Leu Ser Tyr Asn Thr Ala Ser Asn Lys Thr Arg Leu
50 55 60

BNSDOCID: <WO_ 0122920A2 1_ >

```
Ser Arg Thr Pro Gly Asn Arg Ile Val Tyr Leu Tyr Thr Lys Lys Val
 65                  70                  75                  80

Gly Lys Ala Pro Lys Ser Ala Cys Gly Val Cys Pro Gly Arg Leu Arg
                85                  90                  95

Gly Val Arg Ala Val Arg Pro Lys Val Leu Met Arg Leu Ser Lys Thr
            100                 105                 110

Lys Lys His Val Ser Arg Ala Tyr Gly Gly Ser Met Cys Ala Lys Cys
        115                 120                 125

Val Arg Asp Arg Ile Lys Arg Ala Phe Leu Ile Glu Glu Gln Lys Ile
    130                 135                 140

Val Val Lys Val Leu Lys Ala Gln Ala Gln Ser Gln Lys Ala Lys
145                 150                 155
```

<210> 6890
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6890

```
Cys Thr Ala Thr Leu Gly Xaa Phe Ala Lys Ala Thr Phe Asp Ala Ile
  1               5                  10                  15

Ser Lys Thr Tyr Ser Tyr Leu Thr Pro Asp Leu Trp Lys Glu Thr Val
             20                  25                  30

Phe Thr Lys Ser Pro Tyr Gln Glu Phe Thr Asp His Leu Val Xaa Thr
         35                  40                  45

His Thr Arg Val Ser Val Gln Arg Thr Gln Ala Pro Ala Val Ala Thr
     50                  55                  60

Thr
 65
```

<210> 6891
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6891
Val Xaa Ala Ser Lys Met Thr Lys Lys Arg Arg Asn Asn Gly Arg Ala
1 5 10 15

Lys Lys Gly Arg Gly His Val Gln Pro Ile Arg Cys Thr Asn Cys Ala
20 25 30

Arg Cys Val Pro Lys Asp Lys Ala Ile Lys Lys Phe Val Ile Arg Asn
35 40 45

Ile Val Glu Ala Ala Ala Val Arg Asp Ile Ser Glu Ala Ser Val Phe
50 55 60

Asp Ala Tyr Val Leu Pro Lys Leu Tyr Val Lys Leu His Tyr Cys Val
65 70 75 80

Ser Cys Ala Ile His Ser Lys Val Val Arg Asn Arg Ser Arg Glu Ala
85 90 95

Arg Lys Asp Arg Thr Pro Pro Pro Arg Phe Arg Pro Ala Gly Ala Ala
100 105 110

Pro Arg Pro Pro Pro Lys Pro Met
115 120

<210> 6892
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6892
Gly His His Gln Leu Xaa Trp Asn His Pro Arg Xaa Tyr Gly His Gly
1 5 10 15

Xaa Arg Ser Cys Arg Val Cys Ser Asn Arg His Gly Leu Ile Arg Lys
20 25 30

Tyr Gly Leu Asn Met Cys Arg Gln Cys Phe Arg Gln Tyr Ala Lys Asp
35 40 45

Ile Gly Phe Ile Lys Leu Asp Xaa Met Leu Phe Leu His Arg Ile Ile
50 55 60

Arg Gly Ile Tyr Ser Met Lys Asn His Asp Asn Ser Leu Tyr Ile Lys
65 70 75 80

<210> 6893
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6893
Ala Ser Glu Ala Phe Ser Cys Phe Lys Met Lys Leu Asn Ile Ser Phe
1 5 10 15

Pro Ala Thr Gly Cys Gln Lys Leu Ile Glu Val Asp Asp Glu Arg Lys
20 25 30

Leu Arg Thr Phe Tyr Glu Lys Arg Met Ala Thr Glu Val Ala Ala Asp
35 40 45

Ala Leu Gly Glu Glu Trp Lys Gly Tyr Val Val Arg Ile Xaa Gly Gly
50 55 60

Asn Asp Lys Gln Gly Phe Pro Met Lys Gln Gly Val Leu Thr His Gly
65 70 75 80

Arg Val Arg Cys Tyr
85

<210> 6894
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6894
Phe Gly Arg Gly His Arg Thr Gln Lys Glu Ile Glu Gln Glu Ala Ala
1 5 10 15

Val Glu Leu Ser Gln Leu Arg Asp Pro Gln His Asp Leu Asp Arg Val
20 25 30

Lys Lys Pro Glu Trp Val Ile Leu Ile Gly Val Cys Thr Xaa Ser Trp
35 40 45

Ala Val Tyr Pro Leu Ala Asn Ala Gly Arg Ile Leu Val Val Ile Thr
50 55 60

Ala Leu Ala Met Gly His Thr Tyr Asp Ala Ser Gly Gln Asp Pro Asp
65 70 75 80

Trp Val Leu Leu Leu Phe Asn Leu Glu Val Pro His Gly Ile Glu Phe
85 90 95

His Gln

<210> 6895
<211> 40
<212> PRT

<213> Homo sapiens

<400> 6895
Ser Ser Gly Leu Ser Ser Ala Ser Leu Ser Val Lys Ala Ile Lys Glu
1 5 10 15

Ala Ile Asp Tyr Leu Thr Val Glu Gly His Ile Tyr Pro Thr Val Asp
20 25 30

Arg Glu His Phe Lys Ser Ala Asp
35 40

<210> 6896
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6896
Ala Gln Ala Ser Arg Ser Arg Trp Glu Leu Pro Pro Gly Ala Val Thr
1 5 10 15

Met Thr Gly Glu Leu Glu Val Lys Asn Met Asp Met Lys Pro Gly Ser
20 25 30

Thr Leu Lys Ile Thr Gly Xaa Ile Ala Asp Gly Thr Asp Gly Phe Val
35 40 45

Ile Asn Leu Gly Gln Gly Thr Asp Lys Leu Asn Leu His Phe Asn Pro
50 55 60

Arg Phe Ser Glu Ser Thr Ile Val Cys Asn Ser Leu Asp Gly Ser Asn
65 70 75 80

Trp Gly Gln Glu Gln Arg Glu Asp His Leu Cys Phe Ser Pro Arg Ser
85 90 95

Glu Val Lys Phe Thr Val Thr Phe
100

<210> 6897
<211> 91
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6897
Arg Gln Phe Met Gly Met Ile Ile Asp Val Phe Ser Arg Tyr Ser Gly
1 5 10 15

Ser Glu Gly Ser Thr Gln Thr Leu Thr Lys Gly Glu Leu Lys Val Leu
20 25 30

Met Glu Lys Glu Leu Pro Gly Phe Leu Gln Ser Gly Lys Asp Lys Asp
35 40 45

Ala Val Asp Lys Leu Leu Lys Asp Leu Asp Ala Asn Gly Asp Ala Gln
50 55 60

Val Asp Phe Ser Glu Phe Ile Val Phe Val Ala Ala Ile Thr Ser Ala
65 70 75 80

Cys His Lys Tyr Phe Xaa Lys Ala Gly Leu Lys
85 90

<210> 6898
<211> 158
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (146)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6898

```
Gly Thr Ser Gly Asn Phe Lys Gly Met Lys Ile Lys Pro Gly Ser Met
  1               5                  10                  15

Gly Lys Pro Ser Pro Ala Phe Asp Val Lys Xaa Val Asp Val Asn Gly
             20                  25                  30

Asn Val Leu Pro Pro Gly Gln Glu Gly Asp Ile Gly Ile Gln Val Leu
         35                  40                  45

Pro Asn Arg Pro Phe Gly Leu Phe Thr His Tyr Val Asp Asn Pro Ser
     50                  55                  60

Lys Thr Ala Ser Thr Leu Arg Gly Asn Ser Ile Ser Leu Gly Thr Glu
 65                  70                  75                  80

Asp Ile Trp Ile Lys Met Gly Ile Ser Xaa Xaa Phe Ala Xaa Ala Asp
                85                  90                  95

Val Gly Xaa Tyr Xaa Leu Val Xaa Asp Leu Ala Pro Leu Gly Gly Lys
            100                 105                 110

Ser Pro Ile Xaa Thr Pro Xaa Phe Arg Val Pro Phe Phe Lys Xaa Pro
        115                 120                 125

Thr Pro Ser Arg Gly Xaa Val Lys Val Xaa Gly Phe Lys Thr Xaa Phe
    130                 135                 140

Xaa Xaa Xaa Phe Arg Ala Pro Phe Lys Gly Phe Arg Gly Phe
145                 150                 155
```

<210> 6899
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6899

```
Val Lys Phe Xaa Val Ala Glu Gly Lys Gln Xaa Glu Ile Gln His Lys
  1               5                  10                  15

Gly Gln Ala Glu Lys Lys Glu Leu Gln His Lys Ile Asp Glu Met Glu
             20                  25                  30

Glu Lys Glu Gln Glu Leu Gln Ala Lys Ile Glu Ala Leu Gln Ala Asp
         35                  40                  45

Asn Asp Phe Thr Asn Glu Arg Leu Thr Ala Leu Gln Glu Lys Leu Thr
     50                  55                  60

Val Glu Xaa His Xaa Thr Lys Ala Val Glu Glu Thr Lys Leu Ser Lys
 65                  70                  75                  80

Glu Asn Xaa Thr Xaa Xaa Lys Glu Ser Asp Phe Ser Asp Thr Leu Xaa
                 85                  90                  95

Pro Xaa Lys Glu Asn Xaa Lys Xaa Arg Ala Val Ala Leu
           100                 105
```

<210> 6900
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6900
Tyr Phe Xaa Xaa Trp Ser Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly
1 5 10 15

Ser Ile Xaa Arg Val Leu Glu Met Thr Pro Gln Gln Gly Asp Val Tyr
20 25 30

Xaa Xaa Gln Val Glu His Thr Ser Leu Asp Ser Pro Val Thr Val Glu
35 40 45

Trp Lys Ala Gln Ser Asp Ser Ala Arg Ser Lys Thr Leu Thr Gly Ala
50 55 60

Gly Gly Phe Val Leu Gly Leu Ile Ile Cys Gly Val Gly Xaa Phe Met
65 70 75 80

His Arg Arg Asn Lys Lys Val Gln Arg Gly Ser Ala
85 90

<210> 6901
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6901
Ile Arg Xaa Arg Asn Arg Gly Cys Cys Phe Asp Ser Arg Ile Pro Gly
1 5 10 15

Xaa Pro Trp Cys Phe Lys Pro Leu Gln Glu Ala Glu Cys Thr Phe

20 25 30

<210> 6902
<211> 55
<212> PRT
<213> Homo sapiens

<400> 6902
Gly Thr Ala Thr Gln Gly Leu Ser Pro Val His Thr Pro Gly Asp Gly
1 5 10 15

Arg Leu His Lys Ala Val Ser Val Gly Pro Arg Val His Ile Ile Glu
20 25 30

Glu Leu Gln Ile Phe Ser Ser Gly Gln Pro Val Ala Glu Ser Ala Pro
35 40 45

Gly Thr Pro Thr Gly Gly Leu
50 55

<210> 6903
<211> 134
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6903

Gly	Tyr	Gln	Pro	Glu	Asn	Pro	Tyr	Pro	Ala	Gln	Pro	Thr	Val	Val	Pro
1				5					10					15	
Thr	Val	Tyr	Xaa	Val	His	Pro	Ala	Gln	Tyr	Tyr	Pro	Ser	Pro	Val	Pro
		20					25					30			
Gln	Tyr	Xaa	Pro	Arg	Val	Leu	Thr	Gln	Ala	Ser	Asn	Pro	Val	Val	Cys
	35					40					45				
Thr	Gln	Ala	Lys	Ser	Pro	Ser	Gly	Thr	Val	Cys	Thr	Ser	Lys	Thr	Lys
50					55					60					
Lys	Ala	Leu	Cys	Ile	Thr	Leu	Thr	Trp	Gly	Leu	Pro	Pro	Gly	Asn	Cys
65				70					75					80	
Ala	Gly	Arg	Trp	Pro	Thr	Leu	Glu	Ile	His	Gly	Gln	Gln	Met	Leu	Gln
			85					90					95		
Leu	Trp	Asp	Arg	Met	Arg	Ile	Leu	Lys	Phe	Cys	Ile	Asn	Pro	Xaa	Thr
		100					105					110			
Gly	Val	Ile	Ala	Xaa	Gln	Leu	Pro	Xaa	Gly	Glu	Glu	Lys	Asn	Xaa	Cys
	115					120					125				
Ser	Xaa	Phe	Gln	Thr	Ser										
130															

<210> 6904
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6904
Pro Gln Xaa Ser Leu Xaa Gly Thr Pro Thr Glu Glu Thr Trp Pro Gly
1 5 10 15

Val Thr Arg Ile Ser Glu Xaa Arg Thr Tyr Ser Phe Pro Cys Tyr Leu
20 25 30

Pro Gln Pro Ala His Gln Pro Arg Arg Pro Gly Xaa Ile Arg Met Ala
35 40 45

Ser Thr Ser
50

<210> 6905
<211> 89
<212> PRT
<213> Homo sapiens

<400> 6905
His Gly Asn Val Pro Leu His Tyr Ala Cys Phe Trp Gly Gln Asp Gln
1 5 10 15

Val Ala Glu Asp Leu Val Ala Asn Gly Ala Leu Val Ser Ile Cys Asn
20 25 30

Lys Tyr Gly Glu Met Pro Val Asp Lys Ala Lys Ala Pro Leu Arg Glu
35 40 45

Leu Leu Arg Glu Arg Ala Glu Lys Met Gly Gln Asn Leu Asn Arg Ile
50 55 60

Pro Tyr Lys Asp Thr Phe Trp Lys Gly Thr Thr Arg Thr Arg Pro Arg

65 70 75 80

Glu Ser Pro Leu Trp Glu Glu Gly Leu
85

<210> 6906
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6906
Cys Ser Xaa Thr Ile Gly Glu Lys Xaa Xaa Gln Lys Glu Pro Xaa Gly
1 5 10 15

Xaa Asp Xaa Ser Val Pro Glu Asn Val Leu Ser Xaa Asp Asp Leu Thr
20 25 30

Ala Asp Ala Leu Ala Asn Leu Xaa Xaa Pro Gln Ile Lys Lys Val Arg
35 40 45

Leu Leu Ile Asp Glu Ala Ile Leu Lys Cys Asp Ala Glu Gly Xaa Lys
50 55 60

Leu Glu Ala Glu Arg Phe Glu Asn Leu Arg Glu Ile Gly Asn Leu Leu
65 70 75 80

His Pro Ser Val Pro Ile Ser Asn Asp Glu Val Gly Gly Cys Ala Ala
85 90 95

Ala Gly Gly Cys Leu Arg Ser Leu Leu Ser Leu Gln Gly Arg Gly
100 105 110

<210> 6907
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6907

```
Cys Val Ala Gly Xaa Asp Glu Gln Ser Thr Gln Met Ala Ala Arg Xaa
  1               5                  10                  15

Glu Asp Asp Lys Val Thr Glu Ala Ser Ser Asn Arg Xaa Ala Ala Ile
             20                  25                  30

Lys Ile Xaa Thr Lys Ser
         35
```

<210> 6908
<211> 137
<212> PRT
<213> Homo sapiens

<400> 6908

```
Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Arg
  1               5                  10                  15

Ser Pro Ala Lys Thr Ile Ala Pro Gln Asn Ala Pro Arg Asp Glu Ser
             20                  25                  30

Arg Gly Arg Ser Ser Phe Tyr Pro Asp Gly Gly Asp Gln Glu Thr Ala
         35                  40                  45

Lys Thr Gly Lys Phe Leu Lys Arg Phe Thr Asp Glu Glu Ser Arg Val
     50                  55                  60

Phe Leu Leu Asp Arg Gly Asn Thr Arg Asp Lys Glu Ala Ser Lys Glu
 65                  70                  75                  80

Lys Gly Ser Glu Lys Gly Arg Ala Glu Gly Glu Trp Glu Asp Gln Glu
                 85                  90                  95

Ala Leu Asp Tyr Phe Ser Asp Lys Glu Ser Gly Lys Gln Lys Phe Asn
            100                 105                 110

Asp Ser Glu Gly Asp Asp Thr Glu Glu Thr Glu Asp Tyr Arg Gln Phe
        115                 120                 125
```

BNSDOCID: <WO _ 0122920A2 I >

Arg Lys Ser Ser Pro Arg Arg Ser Gly
130 135

<210> 6909
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6909
Pro Val Ser Gly Val Pro Arg Arg Xaa Xaa Arg Ile Ala Gly Lys Arg
1 5 10 15

Val Cys Xaa Met Glu Ser Gly Xaa Ala Gly Cys Phe Ser Pro Lys Ile
20 25 30

Xaa

<210> 6910
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6910
Xaa Thr Xaa Xaa Ser Cys Arg Tyr Leu Gly Gln Glu Xaa Pro Gly Arg
1 5 10 15

Pro Thr Arg Pro Met Ala Glu Tyr Asp Leu Thr Thr Xaa Ile Ala His
20 25 30

Phe Leu Asp Arg His Leu Val Phe Pro Leu Leu Glu Phe Leu Ser Val
35 40 45

Lys Glu Ile Tyr Asn Glu Lys Glu Leu Leu Gln Gly Lys Leu Asp Leu
50 55 60

Leu Ser Asp Thr Asn Met Val Asp Phe Ala Met Asp Val Tyr Lys Asn
65 70 75 80

Leu Tyr Ser Asp Asp Ile Pro His Ala Leu Arg Glu Lys Arg Thr Thr
85 90 95

Val Val Ala Gln Leu Lys Gln Ala Ser Gly Xaa Asn Gln Asn Gln Leu

BNSDOCID: <WO 0122920A2 I_>

100 105 110

<210> 6911
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6911

```
Asn Tyr Glu Thr Ile Glu Gln Lys Lys Ala Tyr Glu Ile Ala Gly Leu
  1               5                  10                  15

Leu Gly Asp Ile Gly Gly Gln Met Gly Leu Phe Ile Gly Ala Ser Ile
             20                  25                  30

Leu Thr Val Leu Glu Leu Phe Asp Tyr Ala Tyr Glu Val Ile Lys His
         35                  40                  45

Lys Leu Cys Arg Arg Gly Lys Cys Gln Lys Glu Ala Lys Arg Ser Ser
     50                  55                  60

Ala Asp Lys Gly Val Ala Leu Thr Trp Thr Thr Ser Lys Asp Thr Thr
 65                  70                  75                  80

Arg Cys Glu Asn Leu Arg Gly His Pro Ala Gly Met Thr Tyr Ala Trp
                 85                  90                  95
```

Gln His Ser Thr Leu Xaa Ile Arg Ala Glu Gly Leu Xaa Arg Xaa Leu
100 105 110

Leu Xaa

<210> 6912
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6912
Tyr Tyr Asn Gly Ala Ala Val Ile Xaa His Glu Arg Val Gln Lys Thr
1 5 10 15

BNSDOCID: <WO__ 0122920A2 I >

```
Phe Pro His Pro Ile Asp Lys Trp Ala Xaa Ala Asp Ala Gln Ser Ala
            20                  25                  30

Ile Glu Lys Gln Lys Arg Arg Asn Pro Leu Leu Leu Pro Val Asp Xaa
        35                  40                  45

Ile His Pro Ser Xaa Xaa Glu Leu Leu Gly Tyr Lys Met Arg Leu Pro
    50                  55                  60

Cys Ile Pro Ile Xaa Cys Gly Cys Thr Thr Xaa Tyr Leu Ser Leu Ile
65                  70                  75                  80

Phe
```

<210> 6913
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6913

```
Xaa Ser Gly Tyr Tyr Pro Gly Gly Tyr Xaa Gly Ala Pro Gly Trp Pro
 1               5                  10                  15
```

Ala Phe Pro Arg His Pro Leu Asp Pro Leu Phe Gly Xaa Phe Ala Ala
20 25 30

Val Ala Gly Gln Asp Gly Pro Ile Asp Ala Asp Glu Phe Leu Xaa Cys
35 40 45

Xaa Thr
50

<210> 6914
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6914
Arg Gly Cys Leu Gly Leu Gly Cys Pro Leu His Leu His Val Phe Ala
1 5 10 15

Xaa Val Ser Ala Met Leu Pro Leu Leu Arg Cys Val Pro Arg Val Leu
20 25 30

Gly Ser Ser Val Ala Gly Leu Arg Ala Ala Ala Pro Ala Ser Pro Phe
35 40 45

Arg Gln Leu Leu Gln Pro Ala Pro Arg Leu Cys Thr Arg Pro Phe Gly
50 55 60

Leu Leu Ser Val Arg Ala Gly Ser Glu Arg Xaa Pro Gly Leu Xaa Arg
65 70 75 80

Xaa Arg Gly Pro Cys Ala Xaa Gly Cys Gly Cys Gly Ser Leu Xaa Thr
85 90 95

Xaa Gly Asp Lys Ala Phe Val Asp Tyr Leu Ser Asp Glu Ile Xaa Glu
100 105 110

Glu Arg Lys Ile Xaa Lys His Lys Thr Leu Pro Lys Met
115 120 125

<210> 6915
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6915

```
Glu Lys Leu Ile Xaa Pro Arg Thr Lys Ala Ile Ile Pro Val Asp Ile
  1               5                  10                  15

Gly Gly Phe Pro Ala Asp Tyr Ser Glu Ile Leu Asp Leu Val Glu Arg
             20                  25                  30

Lys Lys Asp Ile Phe Asn Pro Lys Lys Gly Thr Tyr Gln Glu Lys Leu
         35                  40                  45

Gly Arg Ile Leu Val Leu Ala Asp Ser Ala His Ser Phe Gly Ser Ser
     50                  55                  60

Tyr Lys Gly Lys Lys Ile Gly Ser Val Ala Asp Val Thr Ser Phe Ser
 65                  70                  75                  80

Phe His Ala Ile Lys Asn Leu Thr Thr Ala Glu Gly Gly Ala Leu Thr
                 85                  90                  95

Trp Asn Leu Pro Asn Asn Phe Asp Asn Glu Gln Ile Tyr Lys Glu Leu
            100                 105                 110

Met Leu Xaa Ala Leu His Gly Lys Ile Arg Met His
        115                 120
```

<210> 6916
<211> 123
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ _0122920A2 I_>

<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6916
Met Phe His Phe Ser Lys Leu Asp Leu Glu Thr Leu Ile Ile Phe Leu
1 5 10 15

Ile Trp Lys Arg Gln Pro Lys Lys Cys Thr Ser Ala Tyr Pro Leu Gln
20 25 30

Pro Glu Asp Val Asn Leu Arg Val Ile Ser Glu Tyr Gln Lys Leu Phe
35 40 45

Pro Asp Ile Pro Ile Gly Tyr Ser Gly His Glu Thr Gly Ile Ala Ile
50 55 60

Ser Val Ala Ala Val Ala Leu Gly Ala Lys Val Leu Glu Arg His Ile
65 70 75 80

Thr Leu Xaa Lys Thr Trp Xaa Gly Ser Asp His Ser Asp Ser Leu Glu
85 90 95

Pro Gly Glu Leu Gly Glu Ala Gly Ala Val Ser Ala Ser Cys Xaa Xaa
100 105 110

Val Pro Trp Ala Pro Gln Ala Lys Xaa Leu Thr
115 120

<210> 6917
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6917
Gly Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr
1 5 10 15

Ser Leu Trp Tyr Thr Phe Gly Gln Gly Thr Asn Leu Glu Ile Lys Arg
20 25 30

Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Lys Thr
35 40 45

Ile Xaa Xaa Xaa Xaa Xaa
50

<210> 6918
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6918
Ser Ser Asp Ile Met Glu Ser Gly Lys Thr Ala Ser Pro Lys Ser Met
1 5 10 15

Pro Lys Asp Ala Gln Xaa Met Ala Gln Ile Leu Lys Asp Met Gly Ile
20 25 30

Thr Glu Tyr Glu Pro Arg Val Ile Asn Gln Xaa Leu Glu Phe Ala Phe
35 40 45

Arg Tyr Val Thr Thr Ile Leu Asp Asp Ala Lys Ile Tyr Ser Ser His
50 55 60

Ala Lys Lys Thr Ser Val Asp Ala Xaa Tyr Val Arg Trp His Pro Xaa
65 70 75 80

Pro Pro Asp His Leu Leu Leu Ser Xaa Pro Lys Ile Phe Leu Xaa Leu
85 90 95

Gln Ala Lys Ser Xaa Leu
100

<210> 6919
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6919
Val Met Ser His Arg Lys Phe Ser Ala Pro Arg His Gly Ser Leu Gly
1 5 10 15

Phe Leu Pro Arg Lys Arg Ser Ser Arg His Arg Gly Lys Val Lys Ser
20 25 30

Phe Pro Lys Asp Asp Pro Ser Lys Pro Val His Leu Thr Ala Phe Leu
35 40 45

Gly Tyr Lys Ala Gly Met Thr His Ile Xaa Arg Glu Phe Xaa Xaa Ala
50 55 60

Gly Ser Lys Val Asn Lys Arg Val Val
65 70

<210> 6920
<211> 117
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6920

```
Ser Leu Gln Arg Pro Thr Xaa Asn Xaa Xaa Leu Arg Thr Ile Val Lys
  1               5                  10                  15

Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr
             20                  25                  30

Arg Pro Trp Thr Ala Asp Glu Gly Val Phe Asp Asn Phe Val Leu Lys
         35                  40                  45

Ile Arg Asp Thr Lys Lys Gln Ser Glu Pro Leu Glu Ile Thr Leu Leu
     50                  55                  60

Ala Pro Glu Arg Thr Arg Asp Ile Thr Gly Leu Arg Glu Ala Thr Glu
 65                  70                  75                  80

Tyr Glu Ile Glu Leu Tyr Gly Ile Ser Lys Gly Arg Arg Ser Gln Thr
                 85                  90                  95

Val Cys Ser Leu Leu Phe Ile Tyr Ser Ile Cys Cys Xaa Tyr Xaa Thr
            100                 105                 110

Xaa Xaa Phe Xaa Ile
        115
```

<210> 6921

<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6921

```
Xaa Ser Gly Leu Xaa Ile Gly Xaa Ala Gly Thr Pro Ala Gly Thr Gly
 1               5                  10                  15

Pro Glu Phe Pro Gly Arg Xaa Thr Arg Pro Arg Thr Arg Gly Pro Ser
            20                  25                  30

Leu Gly Arg His Pro Gly Ala His Gln Gly Asn Leu Ala Phe Gly Leu
        35                  40                  45

His Ser Asn Xaa Ile Ala Ser Pro Gly Ser Pro Ser Leu Gly Arg His
    50                  55                  60

Leu Gly Gly Thr Gly Ser Xaa Val Pro Gly Xaa Pro Cys Leu Asp Arg
65                  70                  75                  80

His Val Ala Tyr Gly Gly Tyr Xaa Thr Xaa Glu Asp Arg Arg Pro Thr
                85                  90                  95

Leu Ser Xaa Lys Ser Xaa Ala Tyr Gly Tyr Gln Ala Pro Ser Thr Pro
            100                 105                 110

Ser Leu Pro Val Xaa Pro Ala Tyr Tyr Pro Gly Leu Xaa Ser Pro Asp
        115                 120                 125

Thr Tyr Xaa
    130
```

<210> 6922
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6922
Val Glu Ala Thr Cys Ala Cys Leu Leu Ala Gln Gly Glu Glu Ala Glu
1 5 10 15

Lys Glu His Cys Ser Lys Cys Leu Ala Glu Gln Met Ile Leu Glu Glu
20 25 30

Phe Gly Arg Cys Leu Ser Gln Ile Leu His Thr Glu Phe Lys Ser Lys
35 40 45

Gly Leu Lys Met Glu
50

<210> 6923
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6923
Ile Val Thr Val Gly Gly Glu Glu Arg Val Ser Arg Lys Pro Thr Ala
1 5 10 15

Ala Met Arg Cys Met Cys Pro Leu Tyr Asp Pro Asn Arg Gln Leu Trp
20 25 30

Xaa Glu Leu Ala Pro Leu Ser Met Pro Arg Ile Asn His Gly Val Leu
35 40 45

Ser Ala Glu Gly Phe Leu Phe Val Phe Gly Gly Gln Asp Glu Asn Lys
50 55 60

Gln Thr Leu Ser Ser Gly Glu Lys Tyr Asp Pro Asp Ala Asn Thr Trp
65 70 75 80

Thr Ala Leu Pro Pro Met Asn Glu Ala Arg His Asn Phe Gly Ile Val
85 90 95

```
Glu Ile Asp Gly Met Leu Tyr Ile Leu Gly Gly Glu Asp Gly Glu Lys
            100                 105                 110

Glu Leu Ile Ser Met Glu Cys Tyr
        115                 120
```

<210> 6924
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6924

```
Ser Arg Ser Pro Glu Leu Arg Thr Ala Cys Leu Gln Pro Ser Ser Ile
  1               5                  10                  15

Glu Ile Leu Glu Tyr Ser Ser Asp Ser Glu Lys Glu Asp Asp Leu Glu
             20                  25                  30

Asn Val Leu Leu Ile Xaa Ser Glu Pro Pro His
         35                  40
```

<210> 6925
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6925

```
Pro Thr Ser Asp Pro Pro Leu Gly Ser Ser Pro Leu Gly Arg Arg Phe
 1               5                  10                  15

Arg Val Leu Ser Ser Leu Arg Arg Ser Pro Met Phe Glu Glu Lys Ala
            20                  25                  30

Ser Ser Pro Ser Gly Lys Met Gly Gly Glu Glu Lys Pro Ile Gly Ala
        35                  40                  45

Gly Glu Glu Lys Gln Lys Glu Gly Gly Lys Lys Lys Asn Lys Glu Gly
    50                  55                  60

Ser Gly Asp Gly Gly Arg Ala Glu Leu Asn Pro Trp Pro Glu Tyr Ile
65                  70                  75                  80

Tyr Thr Arg Leu Glu Met Tyr Asn Ile Leu Lys Ala Glu His Asp Ser
                85                  90                  95

Ile Leu Ala Glu Lys Lys Lys Lys Arg Ala Xaa Ala Leu Glu Asp Pro
            100                 105                 110

Lys Leu Thr Tyr Ala Xaa Met Arg Xaa His Lys Phe Phe Tyr
        115                 120                 125
```

<210> 6926
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6926

```
Val Pro Val Xaa Asn Ser Arg Val Asp Pro Arg Val Arg Ile Pro Ser
 1               5                  10                  15

Arg Thr Val Asn Arg Lys Ser Thr Asp Ser Pro Val Glu Cys Met Gly
            20                  25                  30

Gln Glu Lys Gly Glu Phe Arg Glu Ile Phe Tyr Ile Ile Gly Ala Val
        35                  40                  45

Val Phe Val Val Ile Ile Leu Val Ile Ile Leu Ala Ile Ser Leu His
    50                  55                  60

Lys Cys Arg Lys Ala Gly Val Gly Gln Ser Trp Lys Glu Asn Ser Pro
65                  70                  75                  80
```

BNSDOCID: <WO _ 0122920A2_I >

Leu Asn Val Ser

<210> 6927
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6927
Val Xaa Ser Glu Tyr Pro Ser Ile Lys Leu Val Val Glu Trp Gln Leu
1 5 10 15

Gln Asp Asp Lys Asn Gln Ser Leu Phe Cys Trp Glu Ile Pro Val Gln
20 25 30

Ile Val Ser His Leu
35

<210> 6928
<211> 49
<212> PRT
<213> Homo sapiens

<400> 6928
Ala Ser Ser Ser Gly Gly Pro Leu Val Thr Val Ser Thr Pro Leu His
1 5 10 15

Gln Val Ser Pro Thr Gly Leu Glu Pro Ser His Ser Leu Leu Ser Thr
20 25 30

Glu Ala Lys Leu Val Ser Ala Ala Gly Gly Pro Leu Pro Leu Ser Ala
35 40 45

Pro

<210> 6929
<211> 86
<212> PRT

<213> Homo sapiens

<400> 6929

```
Asp Leu Ser Lys His Ile Lys Thr His Gln Asn Lys Lys Gly Gly Pro
  1               5                  10                  15

Gly Val Ala Leu Ser Val Gly Thr Leu Pro Leu Asp Ser Gly Ala Gly
             20                  25                  30

Ser Glu Gly Ser Gly Thr Ala Thr Pro Ser Ala Leu Ile Thr Thr Asn
         35                  40                  45

Met Val Ala Met Glu Ala Ile Cys Pro Glu Gly Ile Ala Arg Leu Ala
     50                  55                  60

Asn Ser Gly Ile Asn Val Met Gln Val Ala Asp Leu Gln Ser Ile Asn
 65                  70                  75                  80

Ile Ser Gly Asn Gly Phe
                 85
```

<210> 6930
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6930

```
Thr Ser Thr Ser Gln Glu Pro Arg Trp Asp Gln Ser Thr Xaa Pro Gly
  1               5                  10                  15

Arg Ala Arg His Phe Phe Thr Val Thr Asp Pro Xaa Asn Leu Leu Leu
             20                  25                  30

Ser Gly Xaa Thr Ala Gly Ser Phe Leu Gly Thr Ser Cys Arg Thr Thr
```

35 40 45

Gly Asp His Pro Ser Ile
50

<210> 6931
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6931
His His Ala Asp Gln Thr Leu Leu Thr Cys Arg His Gln Cys Pro Arg
1 5 10 15

Val His His Leu Ser Ala His Arg Pro Ser Ser Cys Trp Xaa Leu Ser
20 25 30

Ala Ala Tyr Ser Gly Trp Gly Asn Thr Leu Ser Phe Gly Ala Asp Tyr
35 40 45

Pro Asp Glu Leu Lys Cys Leu Asp Ala Pro Val Leu Thr Gln Ala Glu
50 55 60

Cys Lys Ala Ser Tyr Pro Gly Lys Asp Tyr Gln Gln His Val Leu Cys
65 70 75 80

Gly Ala Ser Leu Arg Gly Gly Lys Asp Ser Leu Pro Ala
85 90

<210> 6932
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6932

```
Asn Ala Ser Val Arg Leu Asp Asn Ser Ser Ser Gly Ala Ser Val Val
  1               5                  10                  15

Ala Ile Asp Asn Lys Ile Glu Gln Ala Met Asp Leu Val Lys Ser His
             20                  25                  30

Leu Met Tyr Ala Val Arg Glu Glu Val Glu Val Leu Lys Glu Gln Ile
         35                  40                  45

Lys Glu Leu Ile Glu Lys Asn Ser Gln Leu Glu Gln Glu Asn Asn Leu
     50                  55                  60

Xaa Lys Thr Leu Ala Ser Xaa Glu Gln Leu Ala Gln Phe Xaa Ala Gln
 65                  70                  75                  80

Leu Gln Thr Gly Ser Pro Pro Ala Thr Thr Gln Ser Gln Gly Thr Thr
                 85                  90                  95

Gln Xaa Pro Ala Ser Gln Tyr Xaa Arg Ala Xaa Asp Gln Pro His
            100                 105                 110
```

<210> 6933
<211> 162
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (157)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6933
Glu Asn Thr Asp Tyr Val Asn Ala Ser Phe Ile Asp Gly Tyr Arg Gln
1 5 10 15

Lys Asp Ser Tyr Ile Ala Ser Gln Gly Pro Leu Leu His Thr Ile Glu
20 25 30

Asp Phe Trp Arg Met Ile Trp Glu Trp Lys Ser Cys Ser Ile Val Met
35 40 45

Leu Thr Glu Leu Glu Glu Arg Gly Gln Glu Lys Cys Ala Gln Tyr Trp
50 55 60

Pro Ser Asp Gly Leu Val Ser Tyr Gly Asp Ile Thr Val Glu Leu Lys
65 70 75 80

Lys Glu Glu Glu Cys Glu Ser Tyr Thr Val Arg Asp Leu Leu Val Thr
85 90 95

Asn Thr Arg Glu Asn Lys Ser Arg Gln Ile Arg Gln Phe His Phe His
100 105 110

Gly Trp Pro Glu Val Gly Ile Pro Ser Asp Gly Lys Gly Met Ile Ser
115 120 125

Ile Ile Ala Ala Val Gln Lys Gln Gln Gln Gln Ser Gly Asn His Pro
130 135 140

Ile Thr Arg Ala Leu Gln Arg Pro Gly Gln Glu Gly Xaa Gly Pro Ser
145 150 155 160

Val Pro

<210> 6934
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 I >

<400> 6934
Val Arg Ala Ser Gln Ser Ser Phe Ile Gly Thr Leu Asn Met Ser Gly
1 5 10 15

Ile Ala Leu Ser Arg Leu Ala Gln Glu Arg Lys Ala Trp Arg Lys Asp
20 25 30

His Pro Phe Gly Phe Val Ala Val Pro Thr Lys Asn Pro Asp Gly Thr
35 40 45

Met Asn Leu Met Asn Trp Glu Cys Ala Ile Pro Gly Lys Lys Gly Thr
50 55 60

Pro Trp Glu Gly Gly Leu Phe Lys Leu Arg Met Leu Phe Lys Asp Asp
65 70 75 80

Tyr Pro Ser Ser Xaa Pro Lys Cys Lys Phe Glu Pro Pro Leu Phe
85 90 95

<210> 6935
<211> 194
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6935
Thr Pro Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val
1 5 10 15

Gln Xaa Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
20 25 30

Arg Gly Gln Ile Thr Phe Pro Leu Ser Pro Ala Leu Asn Ile Glu Val
35 40 45

Glu Gln Asn Gly Lys Pro Ser Leu Val Asp Leu Asn Glu Glu Met Gln
50 55 60

His Met Asp Val Glu Glu Ser Gln Cys Leu Arg Leu Cys Pro Phe Leu
65 70 75 80

Glu Asp His Lys Glu Asp Ile Leu Cys Gly Pro Val Trp Leu Ala Ser
85 90 95

Gly Leu Asp Leu Ser Gly His Ala Gly Met Leu Thr Leu Thr Ser Pro

BNSDOCID: <WO_ 0122920A2 I >

100 105 110

Lys Leu Val Lys Gly Met Ala Gly Gly Lys Tyr Arg Ser Phe Leu Ile
115 120 125

His Val Lys Ala Val Asn Glu Arg Gly Thr Glu Glu Ile Cys Asn Gly
130 135 140

Gly Met Arg Pro Val Val Arg Leu Pro Ser Leu Lys His Gln Ser Asn
145 150 155 160

Lys Gly Tyr Ser Leu Ala Ser Leu Leu Ala Lys Val Ala Ala Gly Lys
165 170 175

Glu Lys Ser Ser Asn Val Lys Asn Glu Asn Thr Ser Gly Thr Arg Lys
180 185 190

Ser Glu

<210> 6936
<211> 86
<212> PRT
<213> Homo sapiens

<400> 6936
Leu Ile Phe Ala Gly Lys Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp
1 5 10 15

Tyr Asn Ile Gln Lys Glu Ser Thr Leu His Leu Val Leu Arg Leu Arg
20 25 30

Gly Gly Ile Ile Glu Pro Ser Leu Arg Gln Leu Ala Gln Lys Tyr Asn
35 40 45

Cys Asp Lys Met Ile Cys Arg Lys Cys Tyr Ala Arg Leu His Pro Arg
50 55 60

Ala Val Asn Cys Arg Lys Lys Lys Cys Gly His Thr Asn Asn Leu Arg
65 70 75 80

Pro Lys Lys Lys Val Lys
85

<210> 6937
<211> 198
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (196)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6937

```
Ile Tyr Xaa Gln Glu Lys Ala Gln Ser Met Glu Thr Leu Pro Pro Gly
  1               5                  10                  15

Lys Val Arg Trp Pro Asp Phe Asn Gln Glu Ala Tyr Val Gly Gly Thr
             20                  25                  30

Met Val Arg Ser Gly Gln Asp Pro Tyr Ala Arg Asn Lys Phe Asn Gln
         35                  40                  45

Val Glu Ser Asp Lys Leu Arg Met Asp Arg Ala Ile Pro Asp Thr Arg
     50                  55                  60

His Asp Gln Cys Gln Arg Lys Gln Trp Arg Val Asp Leu Pro Ala Thr
 65                  70                  75                  80

Ser Val Val Ile Thr Phe His Asn Glu Ala Arg Ser Ala Leu Leu Arg
                 85                  90                  95

Thr Val Val Ser Val Leu Lys Lys Ser Pro Pro His Leu Ile Lys Glu
            100                 105                 110

Ile Ile Leu Val Asp Asp Tyr Ser Asn Asp Pro Glu Asp Gly Ala Leu
        115                 120                 125

Leu Gly Lys Ile Glu Lys Val Arg Val Leu Arg Asn Asp Arg Arg Glu
    130                 135                 140

Gly Leu Met Arg Ser Arg Val Arg Gly Ala Asp Ala Ala Gln Ala Lys
145                 150                 155                 160

Val Leu Thr Phe Leu Asp Ser His Cys Glu Cys Asn Glu His Trp Leu
                165                 170                 175

Glu Pro Leu Leu Glu Arg Val Ala Glu Asp Arg Thr Arg Val Gly Ser
            180                 185                 190

Pro Ile Ile Xaa Cys His
        195
```

BNSDOCID: <WO_ 0122920A2 I_>

<210> 6938
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6938
Cys Phe Ile Ala Ile Leu Phe Gly Ser Ser Thr Ile Ser Leu Ser Asp
1 5 10 15

Glu Ala Ser Arg Arg Cys Ser Val Leu Xaa Ser Thr Leu Ser Ser Gln
20 25 30

Ser Cys Lys Gln Leu Arg Val Tyr Leu Ser Pro Leu Ser Lys Glu Ala
35 40 45

Ile Asp Asp Ser Pro Arg Leu Leu Ala Lys Leu Leu Ala Leu Lys Leu
50 55 60

Cys Tyr His Ile Xaa Leu Glu Val Lys Gly Cys Asn Thr Glu Asn Thr
65 70 75 80

Phe Phe Tyr Xaa Asp
85

<210> 6939
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6939
Asp Lys Lys Pro Ile Arg Tyr Ala Arg Xaa Val Phe Xaa Gln Tyr Gln
1 5 10 15

Pro Ser His Leu Glu Asn Leu Gln Lys Ala Tyr Val His Ser Ile Leu
20 25 30

Cys Val Ser Glu
35

<210> 6940
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6940
His Glu His Phe Pro Cys His Leu Tyr Tyr Phe Leu Asn Tyr Ser Phe
1 5 10 15

Ser Leu Ala Cys Leu Ile Pro His Pro Pro Lys Ser Ile Cys Leu Ser
20 25 30

His Ala Ile Ile Phe Ile Phe Met Ser Thr Ala Phe Ile Glu Phe Xaa
35 40 45

<210> 6941
<211> 53
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6941
Leu Arg Val Lys Tyr Lys Leu Leu Ala Ala Val Gly Gly Lys Glu Pro
1 5 10 15

Asn Pro Lys Leu Trp Gly Phe Pro Leu Phe Pro Arg Glu Ala Xaa Gly
20 25 30

Gly Met Asn Asp Pro Lys Gly Asn Glu Gln Thr Xaa Gly Asn Pro Pro
35 40 45

Ser Ala Thr Ser Asp
50

<210> 6942
<211> 122
<212> PRT
<213> Homo sapiens

<400> 6942
Ser Arg Val Gly Ser Glu Glu Gln Arg Lys Ala Val Gly Asp Val Ala
1 5 10 15

Thr Val Pro Arg Asp His Pro Ala Met Glu Thr Arg Glu Leu Ser Leu
20 25 30

Arg Gly Arg Gly Leu Ala Ser Lys Lys Asp Arg Glu Trp Thr Gly Arg
35 40 45

Gly Pro Leu Ser Ser Gly Pro Lys Glu Asp Ser Ser Arg Arg Arg Glu
50 55 60

Ser Glu Arg Gln Gly Pro Cys Ala Gly Leu Leu Leu Arg Leu Gln Ala
65 70 75 80

Gly Ser Leu Pro Glu Ala Val Gln Lys His Ser Ser Ala Gly Pro Thr
85 90 95

Arg Phe Leu Ser His Val Lys Phe Arg Ser Ser Val Lys Thr His Ser
100 105 110

Ser Pro Ala Gly Val Leu Arg Asp Ala Arg
115 120

<210> 6943
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6943
Cys Phe Leu Glu Arg Asn Gln Met Cys Phe Cys Gly His Ser His Phe
1 5 10 15

Leu Phe Cys Glu Phe Ser Lys Leu Ser Thr Ile Ala Ile His Ser Ala
20 25 30

Ile Phe Ile Val Tyr Asn Leu Leu Ser Leu Val Asp Lys His Gly Ser
35 40 45

Leu Phe Leu Lys Leu
50

<210> 6944
<211> 64
<212> PRT
<213> Homo sapiens

<400> 6944
Ser Pro Tyr Leu Leu Val Asn Val Ala Val Leu Leu Gln Asn Leu Phe
1 5 10 15

Gln Pro Phe Ser Asp Phe Lys Pro Pro Val Pro Leu Pro Leu Arg Glu
20 25 30

Asn Ser Asn His Lys Ser Leu Ser Thr Ser Tyr Tyr Leu Asn Ile Asp
35 40 45

Asn Phe Gln Ile Arg Glu Leu Arg Tyr Leu Lys Leu Arg Phe Leu Phe
50 55 60

<210> 6945
<211> 45
<212> PRT

<213> Homo sapiens

<400> 6945

```
Asp Thr Glu Gly Lys Ser Trp Asn Phe His Lys Ser Leu Thr Gly Ala
  1               5                  10                  15

Phe Leu Trp Leu Glu Leu Ala Gln Cys Asp Val Pro Glu Leu Val Gln
             20                  25                  30

Arg Asn Ala Phe Ser Phe Ala Lys Gln Asn Phe Gln Glu
         35                  40                  45
```

<210> 6946
<211> 85
<212> PRT
<213> Homo sapiens

<400> 6946

```
Gly Ala Ser Gln Ser Arg Ser Gly Ser Ser Val Arg Phe Pro Val Gly
  1               5                  10                  15

Leu Thr Ala Gly Pro Trp Gly His His Pro His Leu Pro Ala Ser Ile
             20                  25                  30

Ser Glu Thr Glu Ala Trp Glu Pro Pro Gly Pro Pro Glu Ser Gly Arg
         35                  40                  45

Arg Lys Pro Ile Pro Gly Thr Gly Pro Gly Pro Phe Leu Val Arg Gly
     50                  55                  60

Thr Leu Trp Ser Ile Val Gly Gln Arg Asn Leu Leu Phe Asn Ile Lys
 65                  70                  75                  80

Arg Ile Leu Cys Pro
                 85
```

<210> 6947
<211> 57
<212> PRT
<213> Homo sapiens

<400> 6947

```
Thr Gly Met Asn His His Ala Gln Pro His Leu Gln Phe Leu Lys Lys
  1               5                  10                  15

Ile Leu Arg Ser Val Phe Phe Ile Val Tyr Lys Ser Phe Phe Val Ile
             20                  25                  30
```

BNSDOCID: <WO__ 0122920A2_I_>

```
Thr Lys Ile His Ala Phe Gly Arg Asn Thr Asn Ile Gln Arg Cys Ser
         35                  40                  45

Ile Lys Leu Thr Phe Tyr Arg Thr Phe
     50                  55
```

<210> 6948
<211> 75
<212> PRT
<213> Homo sapiens

<400> 6948

```
Ala Lys Glu Leu Ile Asp Asp Tyr Phe Ala Phe Ser Lys Ile Val Phe
  1               5                  10                  15

Asn Val Gly Ile Tyr Pro Ile Phe His Arg Asn Lys Val Gly Cys Ser
             20                  25                  30

Gly Ser Asn Phe Lys Cys Arg Leu Val Ile Ser Lys Cys Asn Gly Thr
         35                  40                  45

Ile Ile Ser Leu Val Gln Glu Thr Lys Leu Leu Pro Asn Leu Leu Leu
     50                  55                  60

Phe Cys Phe Phe Met Ala Tyr Phe Lys Leu Lys
 65                  70                  75
```

<210> 6949
<211> 61
<212> PRT
<213> Homo sapiens

<400> 6949

```
Arg Lys His Gly Arg Thr Cys Trp Trp Gly Pro Ser Asn Ile Gln Leu
  1               5                  10                  15

Asn Leu Ser Pro Pro Ser Ser Pro Val Leu Cys Arg Asp Gly Ser Arg
             20                  25                  30

Leu Leu Cys Gly Leu Asp Ile Ser Glu Gln Pro Asn Leu Ala Gly Ile
         35                  40                  45

Asn Pro Lys Gly Thr Gly Leu Arg Gly Gln Glu Leu Lys
     50                  55                  60
```

<210> 6950
<211> 94
<212> PRT
<213> Homo sapiens

<400> 6950
Trp Asp Gln Arg Lys Arg Asn Ser Leu Val Pro Gly Pro Ala His Gly
1 5 10 15

Pro Ala Gln Glu Glu Pro Trp Glu Lys Lys Glu Ser Leu Gly Ala Ala
20 25 30

Gln Glu Ala Leu Ser Ile Gln Leu Gln Pro Lys Glu Thr Gln Pro Phe
35 40 45

Pro Lys Ser Glu Gln Val Tyr Leu His Phe Leu Ser Val Val Thr Glu
50 55 60

Asp Gly Pro Glu Pro Lys Asp Lys Gly Ser Leu Pro Gln Pro Pro Ile
65 70 75 80

Thr Glu Val Glu Ser Gln Val Phe Ser Glu Lys Leu Ala Thr
85 90

<210> 6951
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 I_ >

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6951
Gly Asn Lys Xaa Xaa Val Pro Xaa Val Xaa Pro Xaa Xaa Thr Met Asp
1 5 10 15

Pro Xaa Ala Ala Asp Ser Ala Glu Gln Arg Gln Arg Glu Pro Ala Gly
20 25 30

Pro Gln Val Ser Ser Asp Ala Ser Glu Ile Ser Cys Val Phe Val Ser
35 40 45

Ser Glu Leu His Arg Ser Leu Thr Leu Glu Pro Ala Cys Leu Pro Ala
50 55 60

Ala Val Leu Cys Ile Leu Arg Asn Gln
65 70

<210> 6952
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6952
Arg Xaa His Xaa Leu Glu Leu His Arg Gly Ala Xaa Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Phe Pro Leu Lys
20 25 30

Arg Arg Arg Lys Arg Glu Gly Glu Gln Glu Lys Lys Lys Leu Pro Tyr
35 40 45

Met Ser Val Phe Leu Tyr Lys Lys Val Thr Pro Tyr Lys Glu Thr Thr
50 55 60

Ile Gln Ala Gly Ala Arg Gly Leu Gly Ser Arg Gly Ile Pro Gly Glu
65 70 75 80

Gln Ser Gln Gly Ile Pro Ser Lys Ser Pro Thr Cys Ser Glu Tyr Pro
85 90 95

Thr Asn Val Ser Gly Ala Ser Ala Glu Val Ala Met Leu Asn Ala Ser
100 105 110

Ser Ile Pro Gly
115

<210> 6953
<211> 92
<212> PRT
<213> Homo sapiens

<400> 6953
Leu Ser Ile Val Cys Arg Met Asp Glu Arg Glu Ala Ala Glu Arg Gln
1 5 10 15

Gln Gly His Ser Ala Ser Ser Gly Gly Arg Ser His Leu Met Glu Glu
20 25 30

Asn Gln Phe Lys Glu Met Pro Phe Leu Tyr Arg Thr Pro Phe Asn Ser
35 40 45

Ile Gln Glu Glu Arg Glu Ala Ala Ile Leu Arg Leu Ser Lys Tyr Ser
50 55 60

Arg Gly Cys Pro Arg Met Ala Val Met Pro Gly Phe Trp Gln Val Pro
65 70 75 80

BNSDOCID: <WO_ 0122920A2 I >

Asp Ser Ile Thr Ser Pro Ala Ser Leu His Gln Ile
85 90

<210> 6954
<211> 95
<212> PRT
<213> Homo sapiens

<400> 6954
Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Gly Gln Arg Trp Phe
1 5 10 15

Tyr Pro Cys Leu Leu Leu Phe Phe Ser Leu Arg Phe Leu Arg Arg Arg
20 25 30

Leu Leu Ser Arg Lys Cys Ala Val Val Ile Leu Glu Arg Leu Glu Ala
35 40 45

Leu Leu Ala Thr Leu Gly Pro Arg Arg Ala His Val Met Thr Pro Thr
50 55 60

Pro Gly Glu Arg Arg Arg Cys Gly Thr His Arg Pro Thr Gly Arg Val
65 70 75 80

Ser Gly Gly Thr Leu Ile Val Ala Gly Arg Ser Gly Ala Ala Val
85 90 95

<210> 6955
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6955
Xaa Ser Val Phe Xaa Glu Glu Gln Lys Met Glu Gln Leu Asp Xaa Arg
1 5 10 15

Ala Leu Ala Pro Leu Val Met Leu Pro Ala Thr Arg Thr Cys Asp Leu
20 25 30

Val Gln Lys Arg Ala Ala Val Leu Ser Ser Trp Trp Gln Val Met Tyr
35 40 45

Met Val Arg Arg Gln Arg Asp Ala Met Val Ala Gly Ala Ala Val Val
50 55 60

Glu Ser Thr Gly Arg His Ser Ala Trp
65 70

<210> 6956
<211> 114
<212> PRT
<213> Homo sapiens

<400> 6956
His Pro Val Leu Pro Ser Val His Leu Ala Asp Pro Gly Gly Leu Cys
1 5 10 15

Pro Trp Gly Arg Gly Arg Arg Arg Gly Asp Cys Pro Arg His Pro His
20 25 30

Gly Gly Leu Cys Gly Leu Phe Pro Gly Leu Pro Asp Gly His Ile Pro
35 40 45

Gly Asp Leu Ser Arg Arg Val Arg Gly Gly Gln Gly Gly Ala Glu Arg
50 55 60

Pro Val Phe Pro Val Gly Arg Arg Arg Gln Gly Arg Arg Glu Gln Arg
65 70 75 80

Lys Ala His Arg Ala Glu Ala His Ala Glu Gly Gly Pro Ala Gly Thr
85 90 95

Gly Gly Asp Arg Val Arg Gly Leu Ser Arg Thr Pro Val Tyr Thr His
100 105 110

Ser Ser

<210> 6957

<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6957
Val Leu Ser Met Phe Ile His Lys Asn Lys Ser Xaa Xaa Tyr Phe Xaa
1 5 10 15

Ser Leu Arg Met Leu Lys Lys Ala Asn Pro
20 25

<210> 6958
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6958
Trp Xaa Xaa Gly Leu Gln Glu Phe Gly Arg Xaa Gln Lys Ser Ser Leu
1 5 10 15

Ala Thr Phe Val Gly Ser Xaa Pro Ser Xaa Gly Pro
20 25

<210> 6959
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6959
Arg Pro Ala Ser Arg Ala Gly Leu Lys Ala Xaa Pro Leu Leu Xaa Lys
1 5 10 15

Ser Trp Pro Pro Lys Xaa Cys Leu Xaa Glu Thr Ala Arg Thr Phe Asn
20 25 30

Phe Xaa Pro Ala Gly Ser Asp Leu Gly Trp Ile Leu Val Xaa Phe Pro
35 40 45

Leu Leu Gln Xaa Pro Pro Pro Leu Pro Arg Pro Phe Phe Phe Phe Phe
50 55 60

Xaa Lys Xaa Val Phe Tyr Xaa Glu Ile
65 70

<210> 6960
<211> 49
<212> PRT
<213> Homo sapiens

<400> 6960
Pro Ala Ala Pro Ser Phe Ala Trp Thr Leu Thr Ser Phe Met Val Leu
1 5 10 15

Leu Leu Gln Gly Gln Pro Pro Ser Ser Ser Ala Ser Lys Leu Cys Asn
20 25 30

Leu Gln Pro Ala Pro Val Pro Asp Cys Ile Thr Ser Asp Leu His Trp

BNSDOCID: <WO___0122920A2_I_>

35 40 45

Phe

<210> 6961
<211> 73
<212> PRT
<213> Homo sapiens

<400> 6961
Phe Tyr Ala Ser Leu Phe Leu Arg Trp Ser Thr Ile Ser Glu Asn Leu
1 5 10 15

Phe Ala Thr Thr Gly Tyr Pro Gly Lys Met Ala Ser Gln Phe Gln Ile
20 25 30

His His Leu Gly His Pro Gln Pro Ile Leu Met Gly Ser Val Ala Val
35 40 45

Gly Ser Gly Leu Ser Trp His Arg Thr Leu Pro Leu Cys Val Ile Gly
50 55 60

Arg Glu Thr Thr Ser Cys Cys Phe Gly
65 70

<210> 6962
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6962
Leu Thr Asn His Ser Tyr Pro Arg Tyr Ser Lys Xaa Leu Thr Gln Lys
1 5 10 15

Pro Asn Asn Ala Tyr Asn Phe Phe Gly Val Lys Ser Thr Ser Leu Val
20 25 30

```
Val Asp Tyr Gln Glu Gly Leu His Gly Arg Lys Ala Glu Cys His Arg
         35                  40                  45

Asn Tyr Ser Leu Ala Leu Xaa Val Gly Gly Cys Pro Gly Val Cys Ile
     50                  55                  60

Thr Ala Thr Phe Phe Phe Phe Leu Asn Ser Tyr Lys Ile His Glu Gln
 65                  70                  75                  80

Ser Asn Gln Tyr
```

<210> 6963
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6963

```
Asp Ile Leu Asn Leu Glu Leu Phe Asn Pro Lys Ile Phe Met Lys Ser
  1               5                  10                  15

Leu Ser Leu Glu Pro Lys Pro Glu Tyr Ser Tyr Cys Leu Phe Ser Lys
             20                  25                  30

Cys Ser Gly Lys Ala Leu Pro Val Gln Ser Phe Gln Asn Glu Gly Glu
         35                  40                  45

Thr Phe Ala Cys Leu Val Ile Thr Arg Leu Ser Ala Tyr Phe Xaa Asn
     50                  55                  60

Cys Ile Leu Lys Ile Gly
 65                  70
```

<210> 6964
<211> 74
<212> PRT
<213> Homo sapiens

<400> 6964

```
Arg Pro Ala Arg Ser Pro Ala Glu Val Gly Ser Arg Gly Leu Ser Ser
  1               5                  10                  15
```

```
Pro Pro Arg Ala His His Arg Pro Val Ser Pro Ala Ala Pro Gly Arg
             20                  25                  30

Trp Ser Thr Ser Ala Arg Val Arg Thr Arg Lys Met Val Asn Tyr Ala
         35                  40                  45

Trp Ala Gly Arg Thr Glu Glu Thr Leu Val Glu Val Arg Ser Gly Pro
     50                  55                  60

Asp Val Gln Ile Gly Arg Pro Thr Trp Val
 65                  70
```

<210> 6965
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6965

```
Lys Ala Glu Thr Lys Pro Glu Leu Thr Pro Lys His Val Asp Xaa Val
  1               5                  10                  15

Thr Xaa Met Ser Leu Phe Gly Ile Thr Leu Leu Phe Met Ser His Ile
             20                  25                  30

Leu Val Gly Ser Ser Asp
         35
```

<210> 6966
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6966
Asn Ser Ala Xaa Asp Trp Ser Lys Xaa Cys Ile Leu Arg Asp Met Asn
1 5 10 15

Val Gln Ser Leu Asp His Glu Asp Asp Arg Ile Pro Arg Asn Ser
20 25 30

<210> 6967
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6967

```
Val Gly Leu Leu Ser Phe Ser Xaa Glu Gly Ser Leu Ala Leu Xaa Val
  1               5                  10                  15

Xaa Glu Asp Gly Leu Ile Glu Gly Xaa Val Xaa Ser Trp Asn Pro Asn
             20                  25                  30

Ser Cys Val Xaa Gly Val Thr Leu Val Leu His Asn Val Xaa Leu Trp
         35                  40                  45

Trp Ile Gly Xaa Thr Glu Xaa Xaa Xaa Xaa Xaa Xaa Phe Xaa Ile Xaa
     50                  55                  60

Xaa Cys Xaa Xaa Xaa Ser Xaa Lys Ser Val Phe Glu Gly Xaa Gln
 65                  70                  75
```

<210> 6968
<211> 115
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ _0122920A2_I >

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6968

```
Met Leu Phe Ile Leu Pro Thr Asn Leu His Ser Ser His Gly Ile Thr
  1               5                  10                  15

Ala Gln Thr Thr Trp Gln Thr Glu Arg Gln Met Gln Ser Cys Thr Asp
             20                  25                  30

Ser Val Gly Pro Ala Gly Val Gly His Leu Asn Arg Pro Leu Leu Pro
         35                  40                  45

Asn Ser Leu Arg Trp Val Glu Gln Glu Gly Leu Pro Trp Pro Arg Xaa
     50                  55                  60

His Gly Arg Lys Xaa Xaa Phe Phe Ser Arg Arg His Val Ile Val Gly
 65                  70                  75                  80

Xaa Xaa Xaa Tyr Ile Ile Leu Gly Xaa Pro Xaa Phe Leu Lys Asn Ser
```

85 90 95

Xaa Arg Val Xaa Lys Ile Xaa Xaa Lys Trp Gly Xaa Xaa Xaa Lys Val
100 105 110

Xaa Xaa Ile
115

<210> 6969
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6969
Lys Ser Phe Leu Ser Leu Tyr Leu Gly Leu Phe Thr Phe Arg Phe Phe
1 5 10 15

Phe Asn Val Ile Ile Phe Thr Leu Trp Ile Ser Asn Phe Val Pro Phe
20 25 30

Lys Ile Arg Asp Arg Arg His Ile Gln Leu Asp Leu Leu Met Thr Phe
35 40 45

Cys Trp Thr Thr Phe Leu His Glu Cys Phe Xaa Ala Leu Gly Asp
50 55 60

<210> 6970
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6970

```
Ala Leu Pro Asn Ala Gly Thr His Ser Val Thr Arg Thr Arg Phe Leu
  1               5                  10                  15

Ser Val Pro Phe Leu Pro Met Leu Val Pro Phe Ala Ile Asp Ser Gly
             20                  25                  30

Leu Ile Ser Gly Lys Thr Ala Leu Cys Asn Phe Leu Tyr Leu Leu Arg
         35                  40                  45

Val Gln Ser Gly Gly Glu Arg Leu Arg Asp Pro Gly Phe Ser Trp Cys
     50                  55                  60

Phe Ile Gly Ser Asp Trp Val Met Ser Pro Xaa Tyr Glu Thr Asn Cys
 65                  70                  75                  80

Cys Gly Leu Gln Lys Cys Gly Gln Xaa Pro Leu Asp Ser Xaa Gly Phe
                 85                  90                  95

Ser Xaa Cys
```

<210> 6971
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO 0122920A2 I >

<400> 6971
Tyr Pro Trp Lys Gly Phe Arg Gln Xaa Ser Ser Ser Gly Asn Ser Xaa
1 5 10 15

Glu Ser Arg Trp Xaa Ser Trp Xaa Met Ala Phe Ser Gly Xaa Xaa Ser
20 25 30

Pro Gly Thr Gly Cys Leu Xaa Tyr Lys His Xaa Xaa Thr His Met Xaa
35 40 45

Glu Val Lys Lys Ser Xaa Phe Arg Lys His Phe Phe Asn Gly Leu Asn
50 55 60

Xaa Gly Gly Phe Xaa Phe
65 70

<210> 6972
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6972
Val Xaa Leu Val Ala Asp Leu Ser His Ala Leu Arg Ile Arg Leu Tyr
1 5 10 15

Lys Tyr Ile Trp Ala Lys Pro Ser Xaa Ala Met Gly Met Trp Lys Arg
20 25 30

Tyr Val Gly Ser Ser Val Glu Tyr Gln Ser Met Met Arg Thr Phe Ser
35 40 45

Arg Pro Ser Ser Gly Leu Glu Phe Gly Phe Gln
50 55

<210> 6973
<211> 59

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6973
Gln Ala Ser Leu Gly Ser Xaa Thr Gln Trp Phe Xaa Phe Ser Lys Cys
1 5 10 15

Ser Lys Arg Ala Ser Thr Asn Val Gln Val Asn Phe Xaa Ser Phe Cys
20 25 30

Leu Gly Ile Met Phe Ala Thr Val Leu Leu Asn Gln Ser Lys Ser Phe
35 40 45

Met Asn Gln Pro Arg Phe Gln Gly Leu Glu Glu
50 55

<210> 6974
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6974
Asn Ser Ala Gln Leu Gln Leu Leu Lys Val Arg Phe Arg Leu Phe Asn
1 5 10 15

Pro Leu Leu Met Asn Ala Asn Met Xaa Gln Xaa Trp Val Gly Ile Leu
20 25 30

Gln Val Ile Phe Ile Ser Ala Gln Arg Xaa Lys Thr Ile Ser
35 40 45

<210> 6975
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6975
Phe Gly Xaa Asn Arg Ser Gly Ser Arg Thr Leu Pro Ser Thr Ala Glu
1 5 10 15

Gln Pro Ala Arg Glu Val Glu Gly Leu Gly Arg Ala Pro Gly Lys Glu
20 25 30

Trp Glu Met Val Arg Ile Gly Val Gly Gly Ala Lys Arg Gly Xaa Ser
35 40 45

Pro Arg Cys Thr
50

<210> 6976
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6976
Ala Ser Arg His Gln Asn Asn Val Ser Ser Glu Ile Asn Ser Gly Ile
1 5 10 15

Pro Pro Arg Asn Met Ala Asn Arg Arg Asn His Lys Glu Trp Gly Pro
20 25 30

Gln Gly Gly Gly Trp Ser Asn Asp Glu Leu Thr Thr Leu Ile Ile Pro
35 40 45

Ser Lys Trp Val His Ile Tyr Gln Xaa Gly Gly Leu Leu Leu Leu Phe
50 55 60

Ala Xaa Met Leu Lys Xaa Xaa Val Gly Cys Phe Xaa Gly Lys Cys Pro
65 70 75 80

Gly Glu Xaa Ser

<210> 6977
<211> 65

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6977
Glu Ala Pro Arg Xaa Gly Xaa Pro Ile Xaa Phe Gly Gly Xaa Cys Cys
1 5 10 15

Asp Phe Gln Ile Xaa Xaa Xaa Gly Xaa Phe Gly Ile Tyr Glu Glu Xaa
20 25 30

Trp Gly Xaa Xaa Xaa Gly Xaa Gly Xaa Trp Gly Glu Val Xaa Xaa Ile
35 40 45

Phe Gln Gly Gly Leu Xaa Lys Gly Xaa Lys Lys Xaa Lys Xaa Xaa Xaa
50 55 60

Pro
65

<210> 6978
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6978
Lys Leu Xaa Arg Leu Leu Val Ser Gly Leu Gly Phe Ser Ser Arg Leu
1 5 10 15

Asn Xaa Met Ile Pro Lys Xaa Val Xaa Lys Met Xaa Xaa Phe Xaa Gly
20 25 30

Gly Gln Xaa Gly Ile Xaa Gly Xaa Xaa Xaa Xaa Val Gln Pro Xaa Arg
35 40 45

Xaa Xaa Xaa Pro Leu Pro Cys Phe Xaa Pro Arg Gly
50 55 60

<210> 6979
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6979
Thr Xaa Xaa Leu Leu Glu Ala Xaa Lys Ser Val Xaa Xaa Leu Thr Met
1 5 10 15

Asn Trp Phe Gly Pro Xaa Xaa Xaa Leu Leu Xaa Gly Xaa Ala Xaa Arg
20 25 30

Leu Xaa Glu Arg Gly Gly Xaa Xaa Arg Gly Xaa Xaa Pro Asp Trp Xaa
35 40 45

Arg Trp Ala Xaa Leu Gly Xaa Gly Asn Arg Val Phe Ala Leu Gly Gly

50 55 60

Xaa
65

<210> 6980
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6980
Asp Phe Gly Xaa Gly Xaa Thr Xaa His Xaa Val Xaa Ser Xaa Xaa Arg
1 5 10 15

Xaa Val Leu His Arg Lys Val Phe Xaa Met Val Gly Ser Gln Lys Asn
20 25 30

Leu Pro Arg Xaa Leu Met Leu Xaa Val Xaa Phe Xaa Glu Xaa Leu Xaa
35 40 45

Thr Xaa Glu Xaa Asp Cys Xaa Xaa Gly Xaa Gly Xaa Cys Trp Lys Gln
50 55 60

Gln Glu Ala Xaa
65

<210> 6981
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6981
Phe Gly Thr Gly Asn Ser Thr Ser Asn Pro His Pro Gly Pro Gln Leu
1 5 10 15

Trp Arg Arg Xaa Leu Gly Arg Glu Leu Ala Ser Ser Pro Ser Thr Xaa
20 25 30

Lys Pro Gly Asp Ala Pro Xaa Trp Ala Gly Pro Thr Lys Gly Pro Xaa
35 40 45

Pro Gln Gly Arg Ala Pro Gly Ala Gly Phe Pro Arg Glu Ala Thr Phe
50 55 60

Pro Leu Val His Gly Pro Gly Ile Asp Ala Pro Phe Gly Gln Xaa Pro
65 70 75 80

Gly Xaa Ser Lys Val Gly
85

<210> 6982
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6982

```
Arg Leu Ala Leu Arg Pro Ser Asp Leu His Ile Trp Gly Gln Phe Cys
  1               5                  10                  15

Leu His Trp Phe Leu Pro Leu Asp Gly Thr Gly Leu Arg Trp Leu Arg
             20                  25                  30

Leu Ala Ala Trp Ala Phe Leu Phe Lys Ile Pro Trp Xaa Gly His Thr
         35                  40                  45
```

Xaa Lys Thr His Xaa Ala Asp Glu Glu Asn Glu Arg Leu Arg Xaa Asp
50 55 60

Xaa Gln Xaa Leu Arg Xaa Leu Trp His Arg Gly Xaa Phe Ser Ser Pro
65 70 75 80

Xaa Lys Ser

<210> 6983
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6983

Pro Phe Leu Pro Phe Leu Leu His Tyr Trp Tyr Tyr Leu Ile Arg Ile
1 5 10 15

Val Leu Cys Phe Glu Asn Leu Phe Phe Pro Gln Xaa Ser Leu Thr Tyr
20 25 30

Phe Leu Gln Thr Asp Arg Ile Gln Arg Lys Asn Ser Pro Ser Phe Ile
35 40 45

His Tyr Glu Met Asn Phe Ser Phe Glu His Val Ile Leu Leu Phe Cys
50 55 60

Ser Asn Gly Asp Gln Arg Asp Thr Gly Xaa Pro Pro Val Phe Ser Ser
65 70 75 80

Ser Phe Gln Phe Trp Thr Xaa Lys Glu Arg Gly Leu Val Xaa Ile Val
85 90 95

Ala Xaa Leu Xaa Leu Xaa Gln Ala Cys Gly Asp Xaa Arg Xaa Xaa Gly

BNSDOCID: <WO__ 0122920A2_I_>

100 105 110

Val Xaa Gly Ser Arg Val Leu Val Met Xaa Asn Val Xaa Phe
115 120 125

<210> 6984
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6984
Ile Xaa Asn Phe Pro Xaa Cys Thr Xaa Xaa Xaa Leu Ala Xaa Lys Gly
1 5 10 15

Lys Val Lys Leu Trp Leu Val Ile Gln Xaa Xaa Leu Met Xaa Pro Xaa
20 25 30

Lys Leu Ala Ala Lys Xaa Gly Xaa Pro Ala Xaa Xaa Leu Val Trp Gly
35 40 45

Gln Gly Xaa Pro Xaa Val Pro Pro Xaa Xaa
50 55

<210> 6985
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6985
Ile Lys His Thr Leu Ile Lys Cys Ala Phe Xaa Ile Asn Ser Gln Cys
1 5 10 15

Leu Xaa Phe Ser Ser Gly Arg Glu Pro Ala Leu Ala Leu Gly Glu Ser
20 25 30

Ser Thr Ala Glu Val Lys Leu Met Arg Ala His Gln Gly Met Leu Glu
35 40 45

Gly Gly Gly
50

<210> 6986
<211> 84
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6986
Arg Thr Met Met Lys Tyr Gly Asp Met Phe Ser Val Pro Arg Pro Ala
1 5 10 15

Ala Lys Xaa Gln Ile Gln Ala His Ser Ala Pro Ser Phe Xaa Gly Phe
20 25 30

Pro Xaa Phe Ala Leu Arg Gly Xaa Phe Arg Gly Gly Leu Gly Pro Pro

35 40 45

Gly Xaa Gly Leu Gln Xaa Xaa Val Phe Xaa Pro His Gly Leu Xaa Xaa
50 55 60

Gly Pro Xaa Xaa Xaa Val Phe Pro Gly Ala Xaa Gly Xaa Xaa Gly Xaa
65 70 75 80

Xaa Asn Xaa Trp

<210> 6987
<211> 132
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)

BNSDOCID: <WO 0122920A2 1 >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6987

Phe Gly Xaa Ala Ala Trp His Arg Pro Ala Ala Arg Gly Gln Ser Pro
1 5 10 15

Arg Arg Cys His Ala Xaa Val His Arg Ser Gln Cys Xaa Leu Cys Arg
20 25 30

Leu Gly Ala Ala Gly Glu Arg Gly Arg Gln Pro Gly Arg Gly Thr Gly
35 40 45

Thr Pro Gly Glu Pro Ser Arg Pro Lys Ala Leu Xaa Leu Pro Gln Ser
50 55 60

Val Ser Xaa Gly Leu Val Ala Leu Leu Ala Ser Arg Asn Leu Xaa Xaa
65 70 75 80

Pro Pro Leu His Trp Val Leu Leu Ala Leu Ala Leu Val Asn Leu Xaa
85 90 95

Leu Xaa Leu Pro Val Xaa Trp Gly Phe Phe Cys Cys Val Asn Tyr Cys
100 105 110

Gly Xaa Xaa Xaa Ala Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Asp Phe
115 120 125

Leu Asp Leu Trp
130

<210> 6988
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6988
Asn Ala Asp Val Xaa Val Pro Ser Leu Ser Gln Xaa Thr Gly Cys Pro
1 5 10 15

Val Trp Arg Thr Ala Gln Met Gln Leu Tyr Glu His Tyr Gly Lys Cys
20 25 30

Ala Gly Lys Lys Arg Gln Leu Val Xaa Pro Thr Phe Ala Leu Val Ser
35 40 45

Arg Ala Ser Trp Val Val Xaa Cys Lys Ala Pro Gly Gly Gly Ile Phe
50 55 60

<210> 6989
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6989
Leu Tyr Ser Glu Asp Thr Ile Phe Thr Leu Gly Val Asn Ser His Xaa
1 5 10 15

Lys Gln Ala Ser Thr Gly Xaa Lys Leu Gly Glu Val Phe Glu
20 25 30

<210> 6990
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6990

Asn Ile Phe Lys Leu Ile Gln Arg Xaa Leu Leu Leu Asp Asn Ser Ile
1 5 10 15

Leu Glu Asn Asn Phe Pro Thr Tyr Ser Ile Xaa Ala Ser Lys Val Xaa
20 25 30

Gln Xaa Leu Xaa Lys Leu Arg Gly Gly Phe Gly Gly Xaa Gly Phe Phe
35 40 45

Thr Leu Xaa Arg Xaa Phe Phe Phe Xaa Phe Leu Xaa Arg Xaa Leu Leu
50 55 60

Leu Gly Glu Phe Ala Pro Gly Gly Xaa Leu Phe Ser Arg Xaa Xaa Xaa
65 70 75 80

Phe Xaa Gln Xaa Phe Xaa Xaa Gly Val Xaa Gly Xaa Pro Phe Xaa Glu

85 90 95

Xaa

<210> 6991
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6991
Ile Arg Xaa Xaa Leu Pro Ser Gln Met Ser Cys Arg Lys Arg Phe Asp
1 5 10 15

Val Met Trp Arg Ser Arg Arg Val Ile Asp Gly Pro Xaa Leu Glu Trp
20 25 30

Lys Val Gln Ile Pro Ala Thr Gln Leu Lys Arg
35 40

<210> 6992
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6992
Leu Glu Glu Trp Gly Ser Gly Xaa Trp Xaa Gln Leu Ile Xaa Xaa Phe
1 5 10 15

Xaa Asp Phe Ile Gly Glu Gly Ser Xaa Gly Xaa Xaa Glu Xaa Xaa Thr
20 25 30

Val Val Xaa Xaa Cys His Gln Pro Trp Pro Gln Leu Ala Xaa Leu Gly
35 40 45

Phe Gly Arg Lys Pro Asp Xaa Xaa Pro
50 55

<210> 6993
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6993
Gln Met Xaa Tyr Met Thr Lys Glu Thr Val Ser Asn Ser Leu Asn Ser
1 5 10 15

Pro Leu Trp Xaa Asp Leu Leu Xaa Ile Thr Lys Leu Leu Leu Phe Ser
20 25 30

Gln Lys Arg Ile Ser Xaa Trp Met Val His Gly Asn Xaa Phe Xaa Xaa
35 40 45

Xaa Gly Xaa Xaa Xaa Gly Val Xaa Gly Xaa Xaa Xaa Xaa Xaa Phe Gly
50 55 60

Gly Phe Phe Gly Pro Xaa Xaa Leu Xaa Xaa Pro Pro Xaa Xaa Gly Gly
65 70 75 80

Phe Phe Xaa Asn Xaa Pro Xaa Phe Gly Xaa Gly Gly Gly Asn Xaa Xaa

BNSDOCID: <WO__ 0122920A2_I_>

85 90 95

Pro Arg Pro Xaa
100

<210> 6994
<211> 69
<212> PRT
<213> Homo sapiens

<400> 6994
Gly Arg Ala Glu Pro Arg Arg Ala Trp Ala Val Gly Ser Gly Lys Gly
1 5 10 15

Ser Val His Ser Gly Thr Pro Val Lys Pro Val Gln Pro Ser Val Ser
20 25 30

Cys Gly His Leu Glu Ser Thr Leu Ser Leu Leu Cys Pro Ser Thr Pro
35 40 45

Arg Thr Val Ser Leu Ser Gln Met Glu Ala Glu Leu Asn Thr Leu Arg
50 55 60

Trp Met Met Glu Thr
65

<210> 6995
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6995
Phe Lys Pro Asp Asp His Asn Leu Xaa Met Glu Val Val Arg Ile Phe
1 5 10 15

Gly Pro Gln Gly Pro Glu Asn Pro Gln Cys Ser Xaa Gly Asp Thr Leu
20 25 30

Gln Lys Asn Val Cys Xaa Pro Glu Lys Gly Val Gly Pro Leu Val Ala
35 40 45

Ala Ala Thr Val Pro Val Tyr Met Gly Pro Val Lys Ile Xaa Gly
50 55 60

<210> 6996
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ 0122920A2 I >

<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6996
Ala Ser Pro Pro Gly Asn Ala Leu Gly Leu Xaa Xaa Arg Xaa His Met
1 5 10 15

Gln Gly Ser Thr Arg Arg Met Xaa Val Met Xaa Xaa Val His Arg Xaa
20 25 30

Phe Leu Xaa Phe Leu Met Thr His Gly Val Leu Lys Glu Trp Glu Arg

35 40 45

Glu Arg Pro Cys Arg Gly Thr Ala Thr Arg Ser Met Asn Arg Ser Ala
50 55 60

His Arg Arg Xaa Xaa Trp Arg Thr Ser Ser Asn Asn Ile Xaa Gln Xaa
65 70 75 80

Phe Gly Ser Pro Cys Ile Leu Arg Leu Lys Arg Arg Ser Ala Arg Lys
85 90 95

Asp Asp Gly Xaa Thr His Phe Met Xaa Trp
100 105

<210> 6997
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 I >

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6997
Arg Asn Ser Phe Ala Trp Leu Arg Pro His Gly Leu Leu Xaa Met Phe
1 5 10 15

Cys Pro Arg Pro Phe Val Ser His Ser Xaa Gln Trp Gly Trp Leu Xaa
20 25 30

Leu Cys Gln Ala Lys Val Gln Gly Met Glu Val Gln Leu Cys Xaa Lys
35 40 45

Val Glu Pro Xaa Trp Asp Arg Gly Ser Phe Ser Ser Lys Ala Xaa Ala
50 55 60

Trp Xaa Tyr Glu Trp Xaa Xaa Arg Gly
65 70

<210> 6998
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6998

```
Gly Thr Ser His Ser Lys Pro Gly Ser Thr Xaa Thr Thr Leu Ser Pro
  1               5                  10                  15

Gly Ser Ile Thr Thr Ser Ser Phe Ala Gln Xaa Phe Thr Thr Pro His
             20                  25                  30

Ser Gln Pro Gly Ser Ala Leu Xaa Thr Val Ser Pro Ala Ser Thr Thr
         35                  40                  45

Val Pro Gly Leu Ser Glu Glu Ser Thr Thr Phe Tyr Ser Ser Pro Gly
     50                  55                  60

Ser Thr Glu Thr Thr Ala Phe Xaa His Ser Asn Thr Ser Ala Tyr Pro
 65                  70                  75                  80

Arg Glu Asn Gly Thr Gly Asn Ser Met Met Cys Leu Lys Ser Xaa Arg
                 85                  90                  95

Lys Glu Gly Thr Pro Gly Ile Xaa Pro Glu Asp Gly His Leu Gly Arg
            100                 105                 110

Thr Arg Ile
        115
```

<210> 6999
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6999

```
Ala Arg Pro Arg Pro Ile Arg His Ser Xaa His Phe Thr Arg Xaa Xaa
  1               5                  10                  15

Phe His Lys His Ile Xaa Ile Leu Gln Gln His Phe Xaa Met Val Pro
             20                  25                  30

Ala Val Glu Xaa Ser Asn Val Lys Xaa Xaa Xaa Pro Pro Ser His Ile
         35                  40                  45

Ala Ser Ser Thr His Phe Phe Gly Lys Leu Ser Ser Ala Cys Asn Met
     50                  55                  60

Leu Pro Lys Xaa Xaa Arg Lys Gln His Trp Arg Pro Val Phe Arg Asn
 65                  70                  75                  80
```

<210> 7000
<211> 77
<212> PRT
<213> Homo sapiens

<400> 7000

```
Leu Leu Asp Ala Lys Ser Val Phe Thr Lys Thr Ile Gln Met Leu Leu
  1               5                  10                  15

Asn Tyr Gln Ile Ser Phe Pro Thr Phe Gly Lys Gly Val Ala Leu Ile
             20                  25                  30

Pro Tyr Trp Asp Tyr Lys Leu Val Met Val Phe Gly Lys Gln Phe Gly
         35                  40                  45

Asn Met His Gln Lys Leu Leu Thr Phe Phe Ile His Leu Trp Pro Ser
     50                  55                  60

Asn Phe Ile Ser Glu His Leu Phe Tyr Gly Asn Tyr Ser
 65                  70                  75
```

<210> 7001
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7001
Thr Val Asp Tyr Tyr Ser Gln Arg Glu Lys Ser His Leu Thr Xaa Ser
1 5 10 15

Leu Phe Lys Leu Ser Xaa Pro Glu Arg Xaa Lys Tyr Gln Arg Arg Xaa
20 25 30

Asn

<210> 7002
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7002
Phe Glu Asn Val Leu Xaa Leu His Xaa Cys Leu Asp Asp Leu Leu Lys
1 5 10 15

Lys Gln His Ser Ala Pro Thr Lys Leu Ile Ser Ser Cys Pro Ala Ser
20 25 30

Ala Ser Val Ser Ile Pro Ala Leu Gly Phe Xaa Xaa Cys Leu Pro Ile
35 40 45

Ser His Asn Gly Ser Phe
50

<210> 7003
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7003
His Glu Val Leu Val His Ser His His Leu Pro Ser Val Pro Gln Arg
1 5 10 15

Phe Thr Leu Ser Leu Met Trp Asp Leu Phe Pro Val Arg Cys His Tyr
20 25 30

Phe Pro Phe Pro Trp Phe Thr Leu Pro His Ile Gly Lys Ala Leu Pro
35 40 45

BNSDOCID: <WO_ 0122920A2 I_>

Ile Ala Phe Gly Lys Gly Lys Met Xaa Lys Xaa Asn Val Leu Xaa Ser
50 55 60

Leu Cys Val
65

<210> 7004
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7004
Arg Val Pro Asn Pro Arg His Thr Asp Phe Glu Phe Tyr Leu Thr Gly
1 5 10 15

Thr Asp Met Leu Arg Leu Ser Asp Trp Glu Ser His Leu Trp Leu Leu
20 25 30

Pro Cys Xaa Xaa Pro Asn Ser Ser Arg Leu Val Xaa Lys Xaa Xaa Lys

35 40 45

Glu Xaa Ser Leu Gly Leu Gly
50 55

<210> 7005
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7005
Ile Phe Val Val Ala Phe Xaa Leu Gly Leu Gln Asn Lys Ala Asp Phe
1 5 10 15

Xaa Phe Gln Xaa Val Pro Phe Leu Pro Xaa Gln Val Tyr Tyr Xaa Xaa
20 25 30

Val Leu His Xaa Val Phe Lys Lys Gln Pro Thr Ile Xaa Thr His Val
35 40 45

Thr Xaa Leu Cys Leu Pro Gln Phe Phe Gly Ser Leu Ala Thr Leu Val
50 55 60

Xaa His Val Gly Leu Asp
65 70

<210> 7006
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7006
Gly Gly Thr Asp Ser Leu Val Gly Gly Trp Gly His Glu Thr Arg Xaa
1 5 10 15

Ala Leu Arg Lys Pro His Cys Arg Gln Thr Phe Leu Asp Glu Glu Ala
20 25 30

Leu Pro Arg Val Pro Arg Phe Xaa Phe Phe Val Gly Ile Gly Asn Glu
35 40 45

Cys Phe Pro Ser Xaa Ala Ser Phe Cys Thr Phe Thr Val Xaa
50 55 60

<210> 7007
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7007
Ile Leu Phe Thr Thr Gly Met Cys Gly Ile Cys Asn Tyr Ile Xaa Phe
1 5 10 15

Xaa Gly Pro Ile Xaa Gly Leu Ser Phe Leu Glu Leu Ile Ile Leu Pro
20 25 30

Tyr Tyr Xaa Ile Cys Xaa Ser Gly Ser Ile
35 40

<210> 7008
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7008
Gly Thr Cys Val Leu Arg Leu Cys Leu His Cys Leu Leu Ser Pro Thr
1 5 10 15

Lys Leu Ser Ser Pro Pro Pro Val Thr Leu Glu Leu Cys Phe Ile Phe
20 25 30

Lys Glu Glu Arg Glu Xaa Gly Glu Val Thr Ser Xaa Thr Leu Gln His
35 40 45

Gly His Gln Phe Phe Trp Asn Asn Leu Gly Gly Ser Thr Cys Phe Trp
50 55 60

Glu Lys Cys Phe Gly Lys Arg Phe Trp Gly Gly
65 70 75

<210> 7009
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7009
Leu Gly Asn Phe Leu Asn Ser Lys Lys Ile Phe Ser Cys Ser Leu Ser
1 5 10 15

His Tyr Ile Trp Phe Ser Ala Tyr Lys Ser Lys Arg Ile Ile Cys His
20 25 30

Ser Phe Phe Lys Xaa Val Phe Phe Pro Asn Leu Xaa Xaa Asn Thr Asn
35 40 45

Ile Ser Ser Asn Gly Leu Pro Xaa Ser Ala Gly
50 55

<210> 7010
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7010
Gly Thr Ser Thr Ala Pro Ser Gln Phe Tyr Tyr Thr Ala Val Val Ser
1 5 10 15

Ala Tyr Lys Phe Xaa Ser Ser Cys Pro Phe Trp Pro Thr Leu Ala Leu
20 25 30

Ile Ile Ile Leu Lys Pro Gly Ser Ser Ile Tyr His Ala Phe Ile Leu
35 40 45

Glu Ile Asn Leu Gly Ser Asp Thr Gln Val Arg Ile Ile Tyr Gly Gly
50 55 60

Trp Arg Gln Val Ser Ser Asn Gly Thr Val Lys Gly Glu Asp Phe Ser
65 70 75 80

Thr Thr Leu Trp Arg Gly
85

<210> 7011
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7011
Gly Xaa Gly Arg Pro Asp Pro Ser Glu Xaa Gln Thr Thr Ala Lys His
1 5 10 15

Gly Gln Glu Arg Lys Cys Ser Gln Ala Tyr Ala Thr Ala Trp Trp Asp
20 25 30

Leu Thr Val Gly Ser Ser Ser Arg Pro His Leu Pro Leu Pro Thr Thr
35 40 45

Thr Lys Asn Ser Arg Gln Phe Leu Pro Gly Asn Asn Val Arg Ser Gln
50 55 60

Ser Pro Glu Thr Gly Met Gly Phe Leu Glu Ser Gly Leu Asp Cys Leu
65 70 75 80

Leu Trp Lys Thr Leu Pro Arg Ala Pro Xaa Cys Glu Ala Gln Ala Asp
85 90 95

Gln Asp Pro Ser Asn Trp Xaa Pro Xaa Lys Leu Leu Xaa Pro Xaa Leu
100 105 110

Val Lys Ile
115

<210> 7012
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 I >

<400> 7012
Lys Ile Glu Gln Gln Thr Cys Leu Pro Asp Phe Leu Lys His Thr Lys
1 5 10 15

Ser Tyr Gly Val Cys Ala Ile Ser Gly Met Gln Gly Ile Leu Asp Met
20 25 30

Pro Gly Val Phe Gly Cys Leu Thr Pro Leu Glu Arg Gly Asn Gly Leu
35 40 45

Cys Xaa Cys Thr Val Gly Ser Trp Ala Lys Asp Phe Asp Leu Cys Val
50 55 60

Pro Ile Leu Gly Gln Gly Lys Val Pro Val Ser Thr Cys Arg Xaa Leu
65 70 75 80

Gly Ile Asn Gln Arg Val Gly Arg Glu Asn Asn Xaa Ser Xaa Cys Leu
85 90 95

Asp Thr

<210> 7013
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7013
His Glu Leu Pro Ser Lys Ile Ser Phe Glu Ile Ser Ile Leu Leu Leu
1 5 10 15

Ser Lys Lys Lys Xaa Xaa Phe Xaa
20

<210> 7014
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7014
Gly Arg Ala Thr Met Asn Ser Xaa Leu Asn Xaa Leu Gly Phe Pro Ile
1 5 10 15

Asn Ser Xaa Lys Asp Ile Xaa Xaa Phe Lys Lys
20 25

<210> 7015
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7015
Arg Gly Xaa Ala Ser Met Val Asn Xaa His Pro Leu Ser Xaa Asn Phe
1 5 10 15

Trp Asn

<210> 7016
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7016
Ile Val Gln Asn Thr Leu Ser Asn Lys Asn Arg Val Tyr Ile Leu Leu
1 5 10 15

Lys Leu Ile Gln Asn Ile Ser Pro Gly Xaa Xaa Thr Phe Trp Xaa Leu
20 25 30

Gly Tyr Thr Leu Thr Asn Phe Lys Pro Val Lys Ser Xaa Gln Ser Leu
35 40 45

Phe Ser Xaa Xaa Met Xaa Phe Asn Leu Lys Phe Thr Thr Xaa Arg Leu
50 55 60

Pro Arg
65

<210> 7017
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7017
Gln Ala Phe Gly Lys Ser Leu Gln Ile Leu Xaa Pro Pro Phe Tyr Lys
1 5 10 15

Glu Arg Ala Gly Leu Val Ile Cys Pro Xaa Pro Phe Pro Gly Xaa Ile
20 25 30

Xaa Thr Ser Thr Val Tyr Cys Xaa Val Leu Ser Xaa Phe Gln
35 40 45

<210> 7018
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7018
Gly Asp Thr Asp Thr Xaa Ile Tyr Cys Ile Xaa Gly Asn Arg Gly Xaa
1 5 10 15

Phe Pro Leu Arg Leu Pro Gly Asn Arg Phe Leu Gly Xaa Met Val Pro
20 25 30

Glu

<210> 7019
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7019
Phe Pro Val His Arg Pro His Arg Gly His Xaa Xaa Trp Pro Gly Cys
1 5 10 15

Pro Ser Ser Cys Gly Asp Arg Ser Cys Gly Arg Trp
20 25

<210> 7020
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7020
Gly Arg Xaa Gly Thr Ser Xaa Gly Val Pro Ser Lys Glu Ala Thr Val
1 5 10 15

Pro Asp Leu Lys Xaa Lys Xaa Xaa Asp Gln Ile Met Val Thr Val
20 25 30

<210> 7021
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7021
Gly Xaa Gly Glu Ala Ile Asn Xaa Leu Xaa Arg Phe Asp His Ile Tyr
1 5 10 15

Thr Lys Xaa Leu Xaa Leu Glu Ile Pro
20 25

<210> 7022
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7022
Val Val Cys Xaa Cys Xaa Phe Leu Pro Val Ser Cys Leu Ser Val Asp

```
  1               5                  10                  15

Ile Lys Gly Val Leu Val Ser Leu Lys Met Thr Ile Val Ser Ser Val
             20                  25                  30

Ser Xaa Phe His Val Asn Leu Gln Leu Gly Thr Pro Leu Gln Lys Arg
         35                  40                  45

Lys Ser Xaa Gly Arg Met Arg Glu Arg Lys Glu Xaa Lys Xaa Asp Cys
     50                  55                  60

Ile Gly Pro Lys Gly Phe Pro Leu Ile Arg
 65                  70
```

<210> 7023
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7023

```
Val Asp Leu Arg Gly Val Lys Glu Ile Asn Lys Gly Ile Phe Val Pro
  1               5                  10                  15

Xaa Phe Pro Trp Lys Gly Ser Gln Met Ala Ile Gly Glu Met Xaa Gly
```

20 25 30

Met Asp Thr Xaa Pro Arg Ala Ala Ser Xaa Trp Xaa
35 40

<210> 7024
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7024
Pro Val Leu Met Xaa Leu Lys Val Gly Asp Gln Xaa Pro Gly Leu Asn
1 5 10 15

Val

<210> 7025
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7025
Cys Trp Gly Ser Lys Trp Gly Asp Gly Glu Leu Gly Ser Pro Xaa Ser
1 5 10 15

Lys Gly Val Phe Leu Glu Thr Xaa Met Phe Trp Xaa Gln Arg Ala Xaa
20 25 30

Xaa Gly

<210> 7026
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7026
Gly Arg Asn Leu Ile Lys Tyr Leu Xaa Val Arg Glu Ala Gly Arg Thr
1 5 10 15

```
Leu Glu Ser Tyr Ile Ser Ser Glu Tyr Gln Met Xaa Xaa Leu Arg Met
            20                  25                  30

Ser His Gln Ile Leu Cys Xaa Lys Tyr Ile Gly Ser Tyr Leu Thr His
        35                  40                  45

Tyr Ile Gly
    50
```

<210> 7027
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7027

```
Cys Leu Xaa Leu Arg Thr Leu Arg Ala Gly Tyr Gly Arg Glu Lys Lys
 1               5                  10                  15

Asn Xaa His Lys Asn Glu Ser Tyr Ser Lys Asn Thr Gly Pro Lys Lys
            20                  25                  30

Ser Phe Tyr Leu Lys Lys Leu Lys Cys Leu Ser His Tyr Lys Phe Leu
        35                  40                  45

Gly Leu Xaa Phe Phe Pro
    50
```

<210> 7028
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7028
Leu Arg Leu Val Ile Asn Pro Trp Xaa Leu Phe Ala Thr Glu Asn Xaa
1 5 10 15

Leu Val Leu Xaa Thr Leu Val Phe Ser Xaa Xaa Pro Trp Ile Thr Trp
20 25 30

Lys

<210> 7029
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7029
Ala Glu Val Phe Xaa Thr Ala Ser Asp Lys Lys Ile Val Ser Leu Trp
1 5 10 15

Tyr Thr Pro Lys Ser Ser Ala Phe Lys Glu Ser Gln Thr Ile Thr Tyr
20 25 30

Leu Ser Pro Leu Leu Phe Pro Pro Xaa Gln Ala Gly Phe Ile Xaa Val
35 40 45

Tyr Leu Gly Phe Xaa Ser Ile His Arg Gly Thr Asp Ser Val Leu Ser
50 55 60

Xaa Ile Leu Lys Xaa Tyr Trp Phe Ile Ile Ala His Phe Tyr
65 70 75

<210> 7030
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO 0122920A2 I >

<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7030
Thr Gly Ser Phe Leu Glu Trp Leu Leu Xaa Val Gly Ala Glu Ala Arg
1 5 10 15

Pro Gly His Pro Ser Ala Trp Asp Thr Pro Arg Arg Arg Gly Arg Phe
20 25 30

Leu Glu Val Gly Gly Leu Pro Leu Ala Leu Pro Ser Leu Xaa Leu His
35 40 45

Thr Gly Gly Gly Leu Glu Xaa Xaa Thr Gly Xaa Leu Ile Val Lys Thr
50 55 60

Phe Leu Phe
65

<210> 7031
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7031
Val Pro Xaa Val Xaa Ile Pro Thr Leu Phe His Ile Phe Xaa Lys Cys
1 5 10 15

Gly Val Phe Phe Leu Xaa Ala Trp Phe
20 25

<210> 7032
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7032
Gly Thr Gly Arg Glu Arg Thr Ser Leu Gln Phe Phe Phe Phe Phe Phe
1 5 10 15

Phe Lys Asn Trp Gly Gly Xaa Leu Gly Phe Xaa Lys Gly Xaa Gly Pro
20 25 30

<210> 7033
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7033
Ala Asp Leu Ser Pro Arg Xaa Leu Pro Tyr Tyr Gly Arg Glu Xaa Gly
1 5 10 15

Leu Xaa Leu Leu Xaa Phe Ser Gly Lys Glu Ser Leu Gln Xaa Ser Met
20 25 30

Ser Leu Gly Ser Phe Arg Arg Arg Xaa Glu Pro Arg Leu Ala Gly Arg
35 40 45

Pro

<210> 7034

<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7034
Gly Thr Arg Phe Phe Phe Phe Phe Phe Xaa Xaa Asn Xaa Xaa Leu Phe
1 5 10 15

Xaa

<210> 7035
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7035
Ala Glu Leu Glu Phe Phe Phe Phe Phe Phe Gln Arg Gly Gly Glu Val
1 5 10 15

Xaa Arg Gly Leu Ser Xaa Xaa
20

<210> 7036
<211> 75
<212> PRT
<213> Homo sapiens

<400> 7036
His Glu Arg His Glu Lys Leu Arg Asn Tyr Thr Lys His Ser Tyr Glu
1 5 10 15

Ile Ser Gly His Gln Asp Asn Gln Lys Ile Ser Gln Ser Leu Pro Lys
20 25 30

Arg Glu Lys Lys Ser His Ile Gln Arg Ile Arg Asn Leu Asn Gly Ala
35 40 45

Glu Ile Leu Lys Ala Asn Phe Glu Val Arg Ala Gln Arg Lys Gln Glu
50 55 60

Leu Leu Asn Ser Glu Gly Lys Gln Phe Leu Ser
65 70 75

<210> 7037
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)

BNSDOCID: <WO_ 0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7037
Xaa Ser Gln Ser Lys Xaa Xaa Pro Gly Phe Arg Ser Tyr Pro Xaa Ser
1 5 10 15

Gly Tyr Met Val Leu Val Ser Ile Phe Cys Xaa Phe Xaa Tyr Phe Gln
20 25 30

Xaa Ser Leu Xaa Trp Tyr Tyr Met Val Lys Xaa Lys Leu Phe Phe Xaa
35 40 45

Pro Asp Gln Gly Cys Xaa Ser Ser Pro Cys Leu Xaa Ser Val Pro Lys
50 55 60

Xaa Val Phe Trp Gln His Ser Leu Val Ala Ala Gly Val Val Lys Phe
65 70 75 80

Gly Pro Glu Lys Ala Xaa Xaa Lys
85

<210> 7038
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7038
Gly Arg Ala Leu Phe Tyr Tyr Ser Arg Phe Asn Asp Asn Arg Leu Leu
1 5 10 15

Cys Leu Ser Phe Asp Ile Leu Gln Ile Ser Lys Cys Ile Leu Leu His
20 25 30

Leu Glu Gly Asn Phe Val Val Leu Arg Lys Cys Xaa Gln Lys Met Lys
35 40 45

<210> 7039
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7039
Glu Asp Leu Tyr Tyr Lys Ile His Val Phe Thr Ser Val His Gly Thr
1 5 10 15

Phe Ser Lys Ile Asp His Met Ile Gly His Lys Thr Ser Leu Ser Lys
20 25 30

Phe Lys Lys Ile Lys Ile Ile Leu Ser Thr Leu Ser Glu His Ile Gly
35 40 45

Ile Lys Ile Arg Lys Gln Leu Xaa Lys Gly Thr Leu Gln Asn His Lys
50 55 60

Ile Cys Ala Xaa Xaa Thr His Xaa Leu Gln Ile Lys Gly Leu Xaa Xaa
65 70 75 80

Val Leu Pro Ala Xaa Gly Lys Gln Xaa Xaa Ala Gly Xaa Xaa Lys Pro
85 90 95

Gly Phe Cys

<210> 7040
<211> 63
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7040
Leu Leu Ser Pro Leu Leu Leu Trp Lys Val Lys Phe Leu Asp Pro Arg
1 5 10 15

Phe Asn Phe Lys Ile Val Asn Leu Ile Met Ser Gly Gly Asn Leu Leu
20 25 30

Lys Lys Thr Leu Cys Ser Thr Ser Leu Val Ala Leu Cys Leu Xaa Met
35 40 45

Thr Phe Arg Leu Pro Val Gln Lys Met Glu Asp Ile Lys Leu Cys
50 55 60

<210> 7041
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7041
Gly Arg Glu Lys Glu Trp Asn His Val Lys Phe Ser Val Xaa Pro Xaa
1 5 10 15

Xaa

<210> 7042
<211> 38
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7042
Xaa Lys Thr Xaa Phe Leu Gly Leu Xaa Leu Cys Ser Leu Leu Gln Asp
1 5 10 15

Leu Leu Cys Ser Val Asn Ile Xaa Cys Trp Val Gln Leu His Ala Pro
20 25 30

Cys Cys Xaa Phe Thr Cys
35

<210> 7043
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7043
Leu Pro Gln Ala Gln Pro Val Ser Arg Leu Gln Leu Arg Pro Leu Leu
1 5 10 15

Asn Ser Leu Tyr Val Val Gln Ser Glu Ser Pro Ser Gln Ser Thr Asn
20 25 30

Leu Leu Xaa Leu Leu Cys Phe Lys Pro Phe Xaa Gly Ser Tyr Phe Gln
35 40 45

Leu Asp Glu Val Gln Ala Cys Xaa Arg Ala Val Arg Val Thr Trp Pro
50 55 60

Asp Pro Pro Leu Ile
65

<210> 7044
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7044
Ala Xaa Xaa Ile Arg Ala Ala Leu Glu Leu Gly Tyr Met Ala Asn Ile
1 5 10 15

Phe Ser Lys Phe Ser Glu Leu Asn Leu Lys Phe Gln Gly Tyr Ala Ile
20 25 30

Ser Lys Arg Lys Ser Thr Leu Ser Arg Asn Ile Val Leu Ala Asn Ile
35 40 45

His Tyr Lys Leu Ser Leu Phe
50 55

<210> 7045
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7045
Ser Arg Xaa Ile Lys Leu Gln Leu Arg Gly Glu Lys Trp Val Thr Pro
1 5 10 15

Gly Arg Ile His Leu Gly Trp Pro Ser Gly Arg Thr Glu Phe Thr Lys
20 25 30

Leu Thr Xaa Ser Leu Val Xaa Gly Ile Tyr Xaa Gly Arg Xaa
35 40 45

<210> 7046
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7046
Lys Phe Ser Ala Gly Gln Thr Lys His Ile Cys Glu Leu Asn Val Glu
1 5 10 15

Val Ile His Leu Lys Pro Leu Leu Gly Xaa Phe Phe Ser Thr Glu Phe
20 25 30

Ser Gln Leu Ser Arg Val Gly Thr Tyr His Lys Gly Xaa Lys Arg Val
35 40 45

Val Pro Arg Gly Pro Val Gly Val Gly Val Xaa Pro
50 55 60

<210> 7047
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7047
Thr Ala Xaa Cys Ala Lys Leu Ala Lys Gly Trp Cys Ile Trp Gln Gly
1 5 10 15

Ser Ile Leu Ile His Cys His Phe Phe Phe Phe Gly Xaa Xaa Xaa Ser
20 25 30

Pro His Xaa Xaa Xaa Glu Lys Lys Pro Gly Arg Lys Gly Xaa Glu Xaa
35 40 45

Glu Xaa Phe Phe Pro His Leu Ala Leu Leu Ser Xaa Glu Arg Leu Gly
50 55 60

Pro Pro Val Phe Phe Pro Xaa Pro
65 70

<210> 7048
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7048
Met Gln Gly Val Pro Leu Asn Gly Tyr Trp Cys Asn Pro Gly Gln Lys
1 5 10 15

Ile Val Val Val Trp Xaa Arg Ile Met Gly Ser Arg Phe Gly Glu Thr
20 25 30

Gly Xaa Glu Leu Gly Arg Thr Arg Lys
35 40

<210> 7049
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7049
Ile Val Lys Leu Ser Val Thr Val Tyr Thr Ser Val Ser Val Thr Leu
1 5 10 15

Ile Asn Val Ser Leu Leu Leu Gln Met His Cys Ile Gly Lys Ala Arg
20 25 30

Gly Ser Gly Ile His Arg Thr Gly Ser Gln Asn Ile Xaa Gln Val Ile
35 40 45

Phe Val Gln Gly Asn Gly His Xaa Tyr Gly Ser Ser
50 55 60

<210> 7050
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7050
Xaa Phe Phe Gly Thr Arg Arg Ser Pro Arg Thr Glu Ala Xaa Gln Gly
1 5 10 15

Lys Pro Leu Xaa Leu Pro Val Asn Lys Asn Val Val Gly Lys Met Gln
20 25 30

Thr Val Gly Trp Ile His His Leu
35 40

<210> 7051

<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7051
Ser Leu Xaa Xaa Leu Ser His Thr His Leu Leu Thr Ile Glu Thr Gly
1 5 10 15

Asn Leu Xaa Ser Leu Leu Lys Gly Tyr Ser Glu Ala Thr Trp Ala Val
20 25 30

Xaa Lys Thr Ile His Lys Gln Tyr Gly Met Phe Val Ser Asp Asn Arg
35 40 45

Leu Gly Tyr Pro Leu Thr Xaa Trp Asn Pro Ala Ser Ala Leu Gly Ser
50 55 60

Pro
65

<210> 7052
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7052
Lys Arg Gln Val Leu His Gln Glu Arg Arg Leu Leu Arg Arg Gly Glu
1 5 10 15

Leu Ser Gln Ile Leu Leu Ser Phe Tyr Leu Thr Asp Ile Phe Ser Pro
20 25 30

Tyr Xaa Pro Ser Asn Leu Asn Asn Ile Tyr Trp Thr Leu Leu Thr Arg
35 40 45

Phe Thr
50

<210> 7053
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7053
Ala Thr Phe Ser His Val Asn Leu Xaa Leu Ser Ser Gln Val Gln Leu
1 5 10 15

Leu Xaa Leu Pro Val Gln Tyr Leu Phe Arg Thr Gln Ser Ser Xaa Gly
20 25 30

Val Asn

<210> 7054
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7054
Ala Glu Pro Ala Trp Pro His Leu Leu Ala His Gly Xaa Gly Cys Pro
1 5 10 15

Ala Glu Ala Leu Ala Xaa Ser Tyr Trp His Ser Ser Phe Xaa Arg Ile
20 25 30

Ser Ile Leu Thr Glu Ser Phe Cys Arg Ser Cys Glu Leu Asn Tyr Asn
35 40 45

Ser Lys Leu Trp Lys
50

<210> 7055
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7055
Trp Lys Trp Ala Glu Asn Xaa Pro Phe Pro Arg Leu Gln Cys Val Arg
1 5 10 15

Xaa Lys Glu Arg Gly Lys Lys His Asn Gly Leu Met Val Glu Asp Arg
20 25 30

Phe Ile Xaa Lys Lys Thr Asn Pro Arg Xaa Ala Ser Gly
35 40 45

<210> 7056
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7056
Glu Ala Arg Lys Xaa Pro Leu Lys Ser Leu Phe Lys Ser Thr Gly Gln
1 5 10 15

Glu Gly Xaa Xaa
20

<210> 7057
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7057
Ser His Cys Thr Gln Pro Pro Leu Phe Leu Phe Lys Cys Xaa Val Ser
1 5 10 15

Lys Pro Asn Gln Pro Phe Ser Thr Ala Ser Ile Ile Lys Ser Thr Glu
20 25 30

Thr Asp Val Leu Ser Leu Asn Met Asn His Asp Ile Phe Ser Tyr Xaa
35 40 45

Xaa Phe Asp Met Asn Ser His Thr Tyr Lys Asn Ser Val Tyr Leu Lys
50 55 60

Gly Phe Tyr Glu Asn Tyr Phe Arg Phe Asn Phe Ile Asp Glu Ala Phe
65 70 75 80

Thr Arg Lys Glu Thr Leu Leu Tyr Leu Ala Asp Val Ser Val Gln Phe
85 90 95

Arg Ile Gln Gln Asn Phe Leu
100

<210> 7058
<211> 31
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7058
Arg Val Gln Arg Pro Arg Gly Arg Xaa Cys Leu Ile Phe Ser Asn Asn
1 5 10 15

Ser Gln Glu Ala Arg Trp Leu Gln Xaa Val Lys Glu Arg Arg Xaa
20 25 30

<210> 7059
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7059
Cys Arg Leu Ser Xaa Leu Ala Cys Lys Xaa Thr Ser Arg Xaa Val Xaa
1 5 10 15

Met Lys Leu Gln Arg Ser Xaa Gly Ala Ala Pro Pro Pro Ala Lys Gly
20 25 30

Ser Xaa Xaa Xaa Lys Xaa Ala Glu Xaa Gly Xaa Ala Thr Ala Gly Pro
35 40 45

Ser Arg Glu Gln Leu Lys Val Asp Leu Asp Asp Leu Val Ala Ala Xaa
50 55 60

Cys Leu Tyr Cys Gly Glu Leu Met Ile Arg Ser Ile Asp Arg Pro Xaa
65 70 75 80

Ile Asp Pro Lys Arg Tyr Glu Val Gly Xaa Ala His Leu Xaa Val Gly
85 90 95

Gly Xaa Xaa Pro Phe Asn Gly Gly Trp Ala Met Gly Ser Met Asp
100 105 110

<210> 7060
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7060
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Xaa Ser Xaa
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Xaa Thr Gly Lys Thr
20 25 30

Gln Gly Ser Pro Xaa
35

<210> 7061
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 I >

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7061
Thr Thr Ser Trp Gly Xaa Pro Gly Phe Ile Xaa Xaa Ala Xaa Xaa Asn
1 5 10 15

Pro Xaa Lys Xaa Phe Xaa Gly Phe Xaa Leu Xaa Lys Phe Phe Trp Pro
20 25 30

Phe Lys Lys Xaa Lys Lys Ile Xaa Asn Xaa Xaa Pro Xaa Phe Leu Lys
35 40 45

Lys Phe Xaa Pro Xaa Leu Ser Pro Pro Trp Glu Ile Phe Gly Leu Lys
50 55 60

Phe Asn Leu Xaa Phe Trp Gly Gly Phe Gly Gly Lys Lys Phe
65 70 75

<210> 7062
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7062
Ala Ala Arg Ala Ala Xaa Gly Gly Ala Arg Tyr Pro Xaa Arg Pro Ile
1 5 10 15

Met Xaa Arg Ile Thr Ile His Trp
20

<210> 7063
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7063
Cys Ile Leu Xaa Gly Val Gly Asn Met Val Val Gly Met Ala Gly Ala
1 5 10 15

His Thr Thr Lys Leu Leu Gly Pro Asp Pro Ser Gly Asp Thr Ser Leu
20 25 30

Val Pro Leu Val Asn Ile Trp Val Gly Leu Leu Leu Thr Val Met Thr
35 40 45

Ala Val Ser Val Gly Met Val Leu Ile His Gly Val Thr Val Ile Thr
50 55 60

Thr Met Asp Thr Xaa Trp Trp Pro Thr Gly Tyr Cys Xaa Asp Trp Leu
65 70 75 80

His Xaa Met Asp Val Ile Gly
85

<210> 7064
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7064
Pro Leu Xaa Gly Gly Ala Asn Leu Gly Trp Asp Leu Arg Leu Ser Xaa
1 5 10 15

Gly Ile Val Arg Glu Arg Xaa Phe Phe Pro Lys Ala Cys Phe Leu Asn
20 25 30

Tyr Pro Leu Gly Val Asn Xaa Thr Ile Xaa Thr Pro Pro His Thr Leu
35 40 45

Pro Phe Glu Gln Phe Ser Gln Leu His Leu Val Thr Ser Ile Ile Ser
50 55 60

Pro Leu Pro Lys Phe Arg Phe Xaa Ile Xaa Xaa Xaa Xaa Pro His Pro
65 70 75 80

Arg Gly Lys Ser

<210> 7065
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7065
Arg Xaa Asp Val Asn Cys Leu Lys Ser Gly Trp Ala Glu Asp Leu Gly
1 5 10 15

Ser Xaa His Ala Ile Trp Asn Thr Asp Xaa Pro Xaa Leu Ala Xaa Val
20 25 30

Gly Leu Phe Leu Xaa Phe His Thr Ser Pro Arg Pro Leu Gly Thr Ser
35 40 45

Ala Lys Leu
50

<210> 7066
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7066
Ser Ile Ser Leu His Xaa Trp Glu Xaa Xaa Arg Glu Leu His Arg Gly
1 5 10 15

Gly Ala Phe Xaa Leu Xaa Leu Gly Thr Ser Pro Gly Cys Asp Ala Asn
20 25 30

Ile

<210> 7067
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7067
Arg His Glu Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser
1 5 10 15

Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp
20 25 30

Glu Thr Gln Lys Xaa Xaa
35

<210> 7068
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7068
Arg His Xaa Gly Thr Thr Gly Gly Pro Val Pro Asn Ser Pro Xaa Ser
1 5 10 15

Xaa Ser Tyr Tyr Asn Ser Leu Ala Val Val Xaa Gln Arg Arg Asp Trp
20 25 30

Asp Xaa Pro Xaa Leu Pro
35

<210> 7069
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7069
Phe Phe Tyr Arg Ile Val Leu Cys Leu His Phe Thr Ser Leu Ser His
1 5 10 15

Phe Gln Cys Phe Ala Val Trp Val Lys Leu Ile Pro Phe Gln Phe Pro
20 25 30

Asn Pro Leu Xaa Xaa Thr Ala Phe Thr Pro Glu Lys Thr Phe Lys Val
35 40 45

Ser Phe Pro Leu Tyr Xaa Trp Glu Phe Pro Glu Asn Phe Pro Xaa Asn
50 55 60

Pro Ala Leu Gly Trp Val Phe Pro Phe Xaa Xaa
65 70 75

<210> 7070
<211> 54
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7070
Ala Trp Cys Phe Xaa Ala Ser Thr Thr Ser Ser Xaa Leu Ile Leu Ile
1 5 10 15

Ala Thr Leu Xaa Glu Ile Trp Xaa Pro Xaa Ile Leu Ser Asp Phe Xaa
20 25 30

Val Thr Gln Leu Leu Asn Cys Gln Ala Arg Xaa Ser Leu Gly Gln Gly
35 40 45

Asn Leu Xaa Glu Asn Pro
50

<210> 7071
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7071
Ile Asp Ile Ala Val Ile Lys Lys Ala Ile Asn Gly Gln Val Val Leu
1 5 10 15

Ile Ile Ile Cys Phe Xaa Leu Ile Tyr Xaa Cys Xaa Pro Val His Xaa
20 25 30

Ile Xaa

<210> 7072
<211> 118
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7072

```
Asn Ile Leu Gly Ile Val Gly Thr Leu Ser Ser Val Phe Leu Lys Pro
  1               5                  10                  15

Ala Trp Phe Pro Phe Ala Ser Phe Ser Val Val Asn Thr Cys Ser Leu
             20                  25                  30

Ser Gly Gly Lys Met Gly Ser Ser Ser Tyr Trp Cys Pro Cys Ser Phe
         35                  40                  45

Lys Leu Val Asn Gln Asn Pro Ser Ile Thr Thr Phe Pro Val Ser Trp
     50                  55                  60

Trp Asp Trp Ile Trp Thr Val Leu Tyr Val Cys Leu Leu Leu His Gln
 65                  70                  75                  80

Ser Cys Met Gly Ala Met Ile Phe His Ala Ser Leu Gly Leu Xaa Ser
                 85                  90                  95

Ile Phe His Glu Xaa Pro Leu Xaa Asn Glu Phe Ile Phe Tyr Lys Phe
            100                 105                 110

Xaa Asn Ser Leu Ala Xaa
        115
```

BNSDOCID: <WO___0122920A2_I_>

<210> 7073
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7073
His Leu Ser His Lys Ile Tyr Glu Arg Phe Glu Phe Tyr Arg Ser Ile
1 5 10 15

Pro Lys Gln Lys Thr Leu Ser Leu Phe Phe Phe Xaa Leu Lys Lys Xaa
20 25 30

Asn Asn Tyr Phe Pro Phe Cys Cys Ile Val Pro Ser Lys Xaa Ile Cys
35 40 45

Ala Ala Gln Ile Met Gly Trp Val Xaa Pro
50 55

<210> 7074
<211> 135
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7074
Xaa Ile Xaa Glu Xaa Xaa Leu Xaa Xaa Phe Leu Ile Xaa Leu Xaa Xaa
1 5 10 15

Leu Xaa Xaa Arg Xaa Arg Pro Phe Pro Leu Gly Gln Pro Lys Gly Xaa
20 25 30

Xaa Xaa Xaa Arg Xaa Lys Lys Pro Leu Gly Ser Gln Ile Pro Xaa Xaa
35 40 45

Lys Asp Leu Xaa Lys Thr Gln Xaa Arg Xaa Gln Xaa Pro Pro Leu Thr
50 55 60

Gln Arg Xaa Lys Phe Gly Gly Gly Ser Lys Arg Gln Phe Xaa Phe Leu
65 70 75 80

Gly Gln Lys Phe Xaa Gln Phe Leu Gly Asn Gln Lys Lys Xaa Gly Leu
85 90 95

Lys Ile Xaa Phe Leu Lys Glu Pro Ser Leu Pro Xaa Arg Xaa Ile Phe

100 105 110

Lys Xaa Pro His Ile Phe Tyr Xaa Xaa Glu Lys Lys Xaa Thr Xaa Pro
115 120 125

Leu Gly Xaa Xaa Lys Ser Xaa
130 135

<210> 7075
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7075
Xaa Pro Gly Xaa Ala Leu Cys Pro Glu Xaa Thr Gln Gln Pro Xaa Thr
1 5 10 15

Xaa Leu Asn Xaa Val Gly Ile Leu Gln Asn Xaa Ser Xaa Xaa Lys Leu
20 25 30

Xaa Lys Pro Val Leu Lys Leu Ile Pro Trp Pro Gly Xaa Ser Ile Pro
35 40 45

Xaa Xaa Pro Ala Asn Asp Pro Ser Xaa Ile Ala Leu Asn Asp Xaa Pro
50 55 60

Phe Xaa Thr Ile Arg Gln Gly Arg Glu Gly Ser Lys Thr Xaa Xaa Pro
65 70 75 80

Ser Pro Phe Thr Gln Xaa Lys Ile Gln Xaa Trp Gly Pro Pro Lys Leu
85 90 95

Gly Xaa Leu Gly Xaa Xaa Tyr Arg Lys Val Thr Pro Glu Leu Thr Gly
100 105 110

Arg Gly Leu Lys Ile Phe

BNSDOCID: <WO___0122920A2_I_>

<210> 7076
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7076
Xaa Xaa Asn Asp Gln Leu Leu Ile Leu Ile Thr Met Val Xaa Ile Asp
1 5 10 15

Ser Xaa Val Val Gly Lys Phe Xaa Ile Thr Phe Leu Tyr Lys His Val
20 25 30

Glu Ser Xaa Arg Ile Gln Ser Xaa Tyr
35 40

<210> 7077
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7077
Pro Xaa Leu Val Pro Xaa Gly Glu Ile Phe Gly Asp Pro Trp Gly Asn
1 5 10 15

Pro Xaa Ala His Arg Xaa Lys Ser Pro Cys Xaa Gly Gly Ser Gln Pro
20 25 30

Trp Ala Arg Lys Thr Gly Pro Pro Leu Xaa Xaa Phe Xaa Lys Gly Arg
35 40 45

Arg Val Xaa Ile Ser Xaa Gly Ile Ser Lys Thr Leu Xaa Arg Lys Ser
50 55 60

<210> 7078
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7078
Val Trp Gly Lys Leu Thr Phe Leu Xaa Gln Asn Ser Lys Ala Pro Ser
1 5 10 15

Xaa Val Lys Gly Arg Pro Phe Arg Val Lys Xaa Xaa Lys Pro Arg Ala
20 25 30

Pro Ser

<210> 7079
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7079
Thr Ala Ser Ser Gln Ser Pro Ser Asp Asp Xaa Ser Gly Phe Gln Trp
1 5 10 15

Xaa Pro Arg Leu Lys Leu Ser Gly Phe Pro Pro Thr Phe Ser Pro Lys
20 25 30

Gly Glu Ile Ala Met Arg Phe Ala Thr Ala Gly Ser Pro Ser Val Arg
35 40 45

Asn Leu Arg Leu Cys Tyr Pro Trp Cys Leu Gly Ala Val Phe Leu Thr
50 55 60

Val Ile
65

<210> 7080
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7080
Xaa Lys His Xaa Ile Xaa Xaa Thr Gln Xaa His Pro Xaa Phe Xaa Xaa
1 5 10 15

Leu Xaa Val Leu Asn Leu Gly Thr Lys Xaa Leu Pro Gln Phe Phe Lys
20 25 30

Lys Pro Xaa Glu Leu Val Ser Pro Ile Pro Xaa Xaa Asn Trp Xaa Pro
35 40 45

Xaa Arg Xaa Lys Lys Xaa Gly Leu Gly Pro Leu Gly Leu Thr Leu Gly
50 55 60

Lys Lys Gly Leu Xaa Xaa Ser Pro Lys Xaa Pro Xaa Ile
65 70 75

<210> 7081
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7081
Ala Lys Lys Xaa Xaa Pro Phe Leu Ala Xaa Arg Gly Lys Lys Asp Pro
1 5 10 15

Lys Lys Ala Phe Lys Xaa Asn Pro Pro Pro Glu Lys Thr Pro Gly Thr
20 25 30

Xaa Arg Leu Asn Pro Leu Lys Gly Asn Gln Ala Phe Lys Lys Arg Lys
35 40 45

Ala Thr Asn Pro Pro Val Pro
50 55

<210> 7082
<211> 151
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7082
Ala Leu Xaa Pro Cys Xaa Ser Ser Leu Gly Xaa Pro Ala Pro Arg Lys
1 5 10 15

Xaa Xaa Trp Gly Ser Phe Arg Gly Ala Pro Arg Lys Xaa Lys Arg Xaa
20 25 30

Pro Leu Xaa Pro Xaa Xaa Leu Ser Ser Pro His Gly Gly Pro Phe Xaa
35 40 45

Leu Lys Lys Gly Xaa Lys Leu Pro Lys Pro Pro Lys Pro Phe Glu Xaa
50 55 60

Xaa Arg Asn Phe Pro Phe Pro Pro Xaa Xaa Gly Gly Gly Pro Xaa Pro
65 70 75 80

Pro Asn Phe Leu Xaa Lys Lys Xaa Phe Pro Pro Leu Gly Lys Asp Leu
85 90 95

Gln Ile Gly Phe Gly Gln Arg Pro Leu Xaa Ile Xaa Asn Lys Ala Thr
100 105 110

Xaa Gly Gly Lys Xaa Thr Gln Lys Ser Leu Gly Gly Xaa Thr Pro Arg
115 120 125

Pro Glu Xaa Ala Pro Thr Arg Pro Leu Ala Phe Gly Asn Gln Leu Gly
130 135 140

Leu Pro Asn Gln Xaa Ile Pro
145 150

<210> 7083
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7083
Arg His Glu Gly Gly Pro Trp Xaa Pro Asn Ser Pro Leu Ser Ala Cys
1 5 10 15

Ser Ser Val Ile Tyr His Ile Xaa Asn Leu Gly Pro Gly Xaa Xaa Phe
20 25 30

Ser Pro Asn Arg Ser Gly Cys Asn Leu Gly Gly Lys Xaa Pro
35 40 45

<210> 7084
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7084
Thr Lys Gly Pro Xaa Xaa Lys Lys Gly Gly Leu Ser Leu Xaa Lys Thr
1 5 10 15

Xaa Lys Ile Trp Glu Ile Lys Xaa Phe
20 25

<210> 7085
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7085
Lys Arg Gly Pro Pro Leu Gly Lys Lys Leu Glu Leu His Arg Gly Gly
1 5 10 15

Gly Arg Ser Thr Thr Asn Trp Ile Pro Arg Ala Ala Gly Xaa Leu His
20 25 30

Glu Xaa Ala Glu Trp Tyr Val Trp Ser Xaa Ser Arg Xaa Lys
35 40 45

<210> 7086
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7086
Xaa Arg Xaa Val Gly Leu Gly Xaa Xaa Val Val Ala Arg Arg Trp Pro
1 5 10 15

Gly Trp Cys Trp Arg Ala Trp Pro Val
20 25

<210> 7087
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7087

Leu Val Pro Asn Ser Ala Arg Xaa Leu Tyr Leu Met Lys Leu Leu Gly
1 5 10 15

Asn Gly Val Phe Pro Ser Val Thr Xaa Xaa Ile Ser Trp Xaa His Pro
20 25 30

Ile Ile Pro Xaa Xaa Xaa Thr Thr Xaa Asn Phe Pro Xaa Gly Gly Pro
35 40 45

Xaa Xaa Arg Val Lys Xaa Cys Leu Ile Leu Glu Gln Lys Xaa Phe Pro
50 55 60

Trp Gly Gly Ser Asn Pro Leu Trp Pro Ile Met Phe Gly Ser Arg Trp
65 70 75 80

Leu Gly Pro Leu Ala Trp Gly Phe Leu Leu Gly Asn Xaa Ser Leu Pro
85 90 95

Phe Xaa Xaa Gly Thr Xaa Pro Cys Leu Ala Ile Pro Leu Phe Phe Gln
100 105 110

Ser Ser Leu Trp
115

<210> 7088
<211> 130

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7088
Xaa Xaa Lys Lys Xaa Gly Lys Lys Xaa Pro Ser Xaa Xaa Leu Phe Pro
1 5 10 15

Gln Gly Phe Lys Xaa Val Trp Xaa Pro Lys Lys Gly Phe Asn Pro Xaa
20 25 30

Xaa Asn Leu Xaa Pro Phe Pro Xaa Xaa Phe Gly Glu Thr Xaa Xaa Leu
35 40 45

Asn Xaa Gly Lys Ile Xaa Xaa Gly Gly Gly Phe Phe Xaa Ile Trp Xaa
50 55 60

Phe Pro Pro Pro Lys Xaa Xaa Leu Xaa Lys Lys Thr Pro Pro Pro Xaa
65 70 75 80

Phe Phe Xaa Gly Gly Lys Lys Arg Xaa Phe Pro Lys Lys Asn Phe Gly
85 90 95

Xaa Xaa Ile Phe Phe Leu Lys Asn Leu Lys Pro Pro Pro Pro Phe Gly
100 105 110

Lys Thr Phe Gly Gly Glu Thr Gln Thr Pro Lys Pro Lys Gly Pro Phe
115 120 125

Phe Lys
130

<210> 7089
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7089
Thr Leu Glu Arg Ser Leu Gly Leu Xaa Asn Ile Xaa Lys Ile Xaa Glu
1 5 10 15

Trp Ser Trp Ala Leu Lys Xaa Thr Tyr Gln Glu His Gln Glu Asn Ser
20 25 30

Ile Xaa Ile Gln Tyr Lys Ser Tyr Xaa Ser Arg Pro Ile Ile Ser Phe
35 40 45

Glu Leu Glu Lys Pro Asn Gly Glu Pro Leu Thr Gln Ile Asn Thr Leu
50 55 60

Ser Phe Ser Gln Leu Gly Ala Arg His Leu
65 70

<210> 7090
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7090
Val Phe Phe Phe Phe Phe Xaa Phe Glu Lys Cys Asn Ile Phe Pro Xaa
1 5 10 15

Phe

<210> 7091
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7091
Ala Arg Ser Xaa Pro Leu Leu Xaa Glu Gln Met Xaa Ala Xaa Pro Pro
1 5 10 15

Lys Val Ala Ala Val Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Xaa
20 25 30

<210> 7092
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7092

Phe Arg Val Ile Leu Leu Pro Lys Asp Gly Lys Ile Lys Ser Arg Thr
1 5 10 15

Lys Ser Asn Xaa Xaa Glu Xaa Xaa Ser Ile Ser Ser Thr Tyr Cys Gly
20 25 30

Ile Thr Ala Thr Lys Ala Leu Asp Gly Lys Ile Ile Leu Ser Cys Phe
35 40 45

Leu Cys Phe Lys Xaa Ser Pro Arg Ser Asn Val Xaa Gly Leu Gly Thr
50 55 60

Gly Ile Ile Xaa Leu Gln Leu Xaa Leu Lys Asn Ser Gly Tyr His Ser
65 70 75 80

Trp Xaa

<210> 7093
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7093
Xaa Leu Xaa Xaa Ser Pro Ile Ile Lys Gly Thr Xaa Ala Gly Xaa Ser
1 5 10 15

Thr Glu Ser Gly Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln

20 25 30

Glu Phe Xaa Thr Ser Xaa Ile
35

<210> 7094
<211> 71
<212> PRT
<213> Homo sapiens

<400> 7094
Arg Met Ser Tyr Leu Lys Gly Met Cys His Leu Leu Cys Asn Cys Ile
1 5 10 15

Pro Thr Arg Ser Tyr Ile Asn Val Leu Arg Gln Gln His Leu Trp Ser
20 25 30

Lys Cys Gln Ala Ser Arg Gly Thr Leu Val Lys Gly Ser Ser Gly Leu
35 40 45

Ile Trp Ile Cys Arg Phe Leu His Phe Cys Tyr Lys Ile Tyr Ser Pro
50 55 60

Leu Lys Leu Pro Leu Val Leu
65 70

<210> 7095
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7095
Cys Ala Xaa Ala Xaa Leu Leu Thr Lys Gly Thr Asn Ser Ala Pro Pro
1 5 10 15

Pro Lys Val Ala Ala Xaa Leu Glu Leu Val Asp Pro Pro Gly Cys Arg
20 25 30

Ser Ser Pro Arg Ala Ala Lys Gln Xaa Xaa Arg Xaa Cys Xaa Cys Arg
35 40 45

Gly Val Tyr His Ala Phe Lys Lys
50 55

<210> 7096
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7096
Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile

BNSDOCID: <WO__0122920A2_I_>

1 5 10 15

Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr
20 25 30

Gly Xaa Pro Lys Xaa
35

<210> 7097
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7097
Xaa Pro His Gln Gln Lys Glu Leu Leu Xaa Ser Met Phe Gly Lys Gln
1 5 10 15

Pro Gly Gln Gly Arg Asn Ser Arg Gly Asn Xaa Lys Met Val Leu Phe
20 25 30

Pro Asn Pro Xaa Xaa Xaa Pro Asn Val
35 40

<210> 7098
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7098
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Xaa Val Thr Gly Lys Pro
20 25 30

Lys Xaa Xaa
35

<210> 7099
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)

BNSDOCID: <WO__0122920A2_I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7099
Xaa Xaa Asn Ser Xaa Gly Lys Val Thr His Trp Trp Gly Ala Leu Asn
1 5 10 15

Ser Gly Ser Gly Gly Cys Arg Ile Arg His Glu Leu Xaa Pro Xaa Ser
20 25 30

Val Xaa Tyr Xaa His Leu Leu Pro Pro Cys Xaa
35 40

<210> 7100
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7100
Ala Arg Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile
1 5 10 15

His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Asn Pro Xaa Xaa
20 25 30

Xaa

<210> 7101
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7101

Ala Arg Ala Glu Phe Gly Thr Arg Phe Phe Phe Phe Phe Xaa Gly Xaa
1 5 10 15

Leu Phe Xaa Xaa Ile Thr Leu
20

<210> 7102
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7102
Leu Phe Ile Xaa Arg Asp Xaa Gly Ala His Asn Cys Xaa Val Asp Ile
1 5 10 15

Asp Leu Xaa Cys Glu Asn Ile Ser Thr Leu Glu
20 25

<210> 7103
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7103
Leu Leu Leu Leu Cys Asn Ala Xaa Arg His Xaa Pro Trp Asp His Val
1 5 10 15

Ser Phe Asn Lys His Ile Gln Xaa Ala Leu Xaa Glu Leu Met Ala Ser
20 25 30

Lys Ala Gln Xaa Xaa Cys Phe Lys His Ser Ala Ile Ser Xaa His His
35 40 45

```
Leu Leu Ala Ser Ile Cys Ser Val Gly Phe Leu Pro Ser Ser Leu Met
     50                  55                  60

Thr Gly Leu Tyr Xaa Lys Lys Leu Pro Pro Glu Thr Tyr Leu Xaa Leu
 65                  70                  75                  80

Ser Leu Leu Cys Leu
                85
```

<210> 7104
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7104

```
Arg Ser Leu Phe His Val Gly Lys Leu Leu Ala Ile Ser Val Ser Cys
  1               5                  10                  15

Val Tyr Ala Tyr Val Thr Glu Cys Leu Lys Phe Leu Gln Lys Leu Ser
             20                  25                  30

Lys Gln Lys His Thr Glu Val His Leu Leu Gly Glu Asp Ile Val Gly
         35                  40                  45

Leu Ile Ile Tyr Pro Gly Thr Leu Arg Asn Glu Met Glu Ala Gly Asn
     50                  55                  60

Xaa Asp Gly Met Gln Ile
 65                  70
```

<210> 7105
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7105
Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile
1 5 10 15

Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr
20 25 30

Gly Lys Xaa Lys Xaa
35

<210> 7106
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7106
Ala Pro Pro Cys Gly His His Pro Cys Arg Ile Ile Cys Glu Asn Asn
1 5 10 15

Pro Xaa Pro Arg His Xaa Gly Gln Leu Ser Phe Val Ala Leu Glu Ile
20 25 30

Xaa Gly Val Pro Pro Leu Asp Pro Arg Ala His Ser Pro Ser Thr Thr
35 40 45

Xaa Val Ser Ala Ala His Gln Ile Val Pro Thr Lys Lys Met Leu Cys
50 55 60

Glu Pro Ile Cys Val Ala Asn Arg His Gly Glu Xaa Ala Asp Phe Gln
65 70 75 80

Xaa Arg Leu Pro Xaa Val Thr Xaa Lys Pro Glu Leu Gly Ser
85 90

<210> 7107
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7107

Gly Val Phe Leu Xaa Thr Ser Gly Ser Xaa Gly Leu Asp Glu Cys Gly
1 5 10 15

Pro Ser Tyr Gly Xaa Val Pro His Pro Pro Pro Cys Ser Pro Glu Pro
20 25 30

Pro

<210> 7108
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7108
Trp Cys Gly Gly Ser Trp Glu Leu Cys Ser Phe Gly Pro Gln Thr Pro
1 5 10 15

Pro Glu Ser Ala Val Cys Ala Phe Ile Asp Val Pro Leu Leu Cys His
20 25 30

Val Leu Ser Gln Ala Val Ala Ala Ala Cys Ser Ala Leu Phe Phe Ile
35 40 45

Leu Glu Pro Asp Glu Leu Leu Thr Val Asp Ser Val Ile Ser Phe Arg
50 55 60

Met Pro Ala Pro Cys Pro Cys Ser Xaa Val Phe Ser Val Leu Pro
65 70 75

<210> 7109
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7109
Ile Ser Xaa Leu Val Tyr Val Asn Phe Glu Arg Leu His Asp Phe Leu
1 5 10 15

Thr Xaa Ile Asp Leu Asp Ala Val Glu Val Val
20 25

<210> 7110
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7110
Ser Cys Arg Met Xaa Leu Xaa Leu Lys Gly Thr Lys Ala Gly Ser Ser
1 5 10 15

Thr Ala Ser Gly Gly Xaa Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln
20 25 30

Glu Phe Xaa Xaa Ser His Leu Pro Val Ile Arg
35 40

<210> 7111
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7111
Lys Xaa Asn Gly Gly Leu Asp Leu Asn Xaa Val Xaa Xaa Gly Leu Gly
1 5 10 15

Xaa Ala Pro Pro Lys Lys Ser Phe Phe Phe Ser Glu Leu Xaa Gly Ser
20 25 30

<210> 7112

<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7112
Gly His Ser Leu Gly Lys Gly Ala Leu Xaa Phe Gly Ser Cys Gly Lys
1 5 10 15

Met Ser Pro Pro Glu Arg Glu Ala Ala Leu Asn Xaa Val Xaa Thr Trp
20 25 30

Ala Val Gly Leu Thr Ser Xaa Gln His Xaa Xaa Lys Gly Xaa Gly Gly
35 40 45

Leu Leu Pro Ala Leu Ile Lys Gly Gln Asn Phe Pro Pro Phe Gln Lys
50 55 60

Xaa Gly Leu Pro Leu
65

<210> 7113
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7113
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Xaa Xaa
20 25 30

Lys Xaa

<210> 7114
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7114
Val Phe Phe Ser Phe Leu Gln Leu Leu Asp Asn Ala Leu Pro Tyr Gly
1 5 10 15

Trp Ala Gln Lys His Ser Lys Phe Trp Gly Ser Phe Leu Ser Gln Phe
20 25 30

Leu Val Glu Gly Trp Gly Ile Pro Val Leu Lys Arg Ile Ser Tyr Ala
35 40 45

Xaa Ile Val Ile Val Ile Leu Thr Thr Arg Arg Pro Ala Leu Ile Ile
50 55 60

Leu Ser Ser Phe Leu Gln Met Phe His Leu Gly Pro Xaa
65 70 75

<210> 7115
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7115
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Asp Xaa Lys
20 25 30

<210> 7116
<211> 46
<212> PRT
<213> Homo sapiens

<400> 7116
Arg Tyr Tyr Lys Gly Arg Phe Ile Phe Lys Leu Gln Phe Leu Lys Val
1 5 10 15

Ile Ile Asp Ser Val Val His Ser Ile Val Ile Asn His Trp Val Ser
20 25 30

Ser Val Ile Phe Val Tyr Gln Met Ile Asn Phe Gln Phe Arg
35 40 45

<210> 7117
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7117
Ser Leu Ile His Val Arg Val Ser Glu Phe Ile His Leu Ser Glu Phe
1 5 10 15

Arg Asn Phe Thr Leu Lys Leu Asn Phe His Tyr Ile Gln Ala Val Val
20 25 30

Glu Phe Phe Ser Glu Ser Leu Ile Xaa Phe Leu Ile Xaa Lys Ile Pro
35 40 45

Ile Val Ser Ser Ile Asn Ala Leu Ile Lys Tyr Cys Thr
50 55 60

<210> 7118
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7118
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Asp Xaa Xaa
20 25 30

<210> 7119
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7119
Ala Arg Val Phe Phe Phe Phe Leu Gly Gly Pro Lys Phe Tyr Xaa Leu
1 5 10 15

Phe Xaa Lys Lys
20

<210> 7120
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7120
Leu Gly Cys Ser Phe Leu Ile Ile Xaa Tyr Ile Thr Glu Asn Trp Thr
1 5 10 15

Phe Thr Phe Ser Tyr Leu Ala Phe Pro Phe Asn Pro Lys Ile Ser Val
20 25 30

Phe Ser Ser Xaa Lys Arg Ser Pro Phe Gln Leu Trp Xaa Gln Pro Pro
35 40 45

Trp Xaa Xaa Ile Lys Leu Pro Leu Leu Xaa Phe Leu Asn Ile Trp Asn
50 55 60

Leu
65

<210> 7121
<211> 58
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7121
Gly Ser Arg Leu Glu Xaa Asp Leu Gly Arg Arg Gln Ser Leu Thr Pro
1 5 10 15

Ile Gly Val Arg Xaa Glu Asp Leu Leu His Ser Ser Ser Val Asp Asn
20 25 30

His Asn Gly Xaa Pro Arg Lys Gly Leu Ser Cys Phe Gly Leu Leu Xaa
35 40 45

Val Xaa Ala Val Xaa Cys His Ser Gly Xaa
50 55

<210> 7122
<211> 37

BNSDOCID: <WO_ _0122920A2 I >

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7122
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
20 25 30

Asn Xaa Xaa Xaa Xaa
35

<210> 7123
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7123
Leu Ser Trp Thr Glu Val Cys Gln Ser Arg Tyr Cys Ile Thr Ile Leu
1 5 10 15

Leu Val Leu Thr Val Phe Thr Xaa Leu Asn Gly Lys Pro Thr Gly Tyr
20 25 30

Phe Leu Lys Leu Pro Leu
35

<210> 7124
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7124
Pro Pro Pro Phe Phe Leu Gly Lys Phe Xaa Tyr Pro Xaa Pro Pro Pro
1 5 10 15

Phe Xaa Phe Pro Xaa Lys Xaa Lys Phe Phe Xaa Asn Pro Arg Leu Pro

20 25 30

Xaa

<210> 7125
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _ 0122920A2_I_>

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7125
Met Gly Val Leu Val Thr Ala Lys Arg Leu Arg Ser Val Pro Thr Pro
1 5 10 15

Val Xaa Phe Pro Gly Arg Gly Arg Leu Ser Arg Arg Glu Arg Lys Ala
20 25 30

Xaa Xaa Gly Xaa Lys Val Met Arg Gly Xaa Lys Glu Asp Thr Glu Thr
35 40 45

Leu Lys Val Glu Pro Val Trp Thr Gln Xaa Lys Glu Ser Leu Arg Ile
50 55 60

Ser Met Xaa Glu Lys Glu Lys Lys Arg Ile Ser Arg Ile Val Leu His
65 70 75 80

Xaa Leu Leu Val Lys Ala Pro Gly Asn Xaa His
85 90

<210> 7126
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7126
Glu Cys Arg Pro Pro Glu Asn Gln Ala Glu Asp Cys Gly Val Arg Cys
1 5 10 15

Pro Arg Xaa Val Ser Ala Ser Ser Gly Ala Thr Ser Lys Ser Ser Ser
20 25 30

Met Asn Pro Thr Glu Thr Lys Ser Leu His Arg Gly Lys Glu Arg Asn
35 40 45

Glu Lys Leu Ile Leu Leu Met Glu Thr Phe Ala Glu Lys Asn Leu His
50 55 60

<210> 7127
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7127
Ile Asn Ala Ser Xaa Leu Xaa Thr Pro Xaa Leu Ile Tyr Xaa Gly Leu
1 5 10 15

Asn Phe Cys Leu Leu Cys Ala
20

<210> 7128
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7128
Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile
1 5 10 15

His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro Lys Xaa Xaa
20 25 30

Xaa

<210> 7129
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7129
Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr
1 5 10 15

Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Val Lys Pro
20 25 30

Xaa Xaa Ser Phe Xaa Xaa
35

<210> 7130
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7130
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Xaa Pro
20 25 30

Lys

<210> 7131
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7131
Gly Lys Arg Pro Thr Ala Ser Ile Xaa Thr Cys Asn Xaa Ser Cys Xaa
1 5 10 15

<210> 7132
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7132
Asn Leu Thr Lys Gly Thr Lys Leu Asn Phe His Arg Gly Gly Xaa Ala
1 5 10 15

Val Xaa Lys Leu Leu Asp Xaa Pro Gly Leu Gln Gly Ile Pro Glu Gln
20 25 30

Pro Lys Met Ala Glu Val Gln Val Leu Gly Cys
35 40

<210> 7133
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7133
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Gln Thr Phe Ser Phe Pro Leu Tyr Xaa Pro Thr
35 40

<210> 7134
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7134
Asn Pro Pro Ser Gly Glu Ile Ser Leu Gly Pro Ser Asn Phe Gln Phe
1 5 10 15

Phe Asn Gln Pro Lys Thr Pro Thr Pro Gln Asn Leu Tyr Phe Phe Tyr
20 25 30

Phe Lys Asn Pro Phe Lys Xaa Pro Asn Xaa Gly Gly Pro Ile Pro Pro
35 40 45

Pro Leu Phe Xaa Phe Glu Lys Pro Xaa Gly Gly Gly Pro Xaa Phe Leu
50 55 60

Lys Phe Leu Phe Trp Gly Gly Phe Phe Pro Gly Leu Ser Leu
65 70 75

<210> 7135
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7135
Thr His Xaa Cys Leu Thr Val Ala Glu Leu Phe Glu Leu Leu Ile Gln
1 5 10 15

Cys Xaa Leu Xaa Phe Asn Arg Ser Asn Pro Leu Pro Tyr Pro Leu Xaa
20 25 30

Ala His Val Phe Leu Thr Leu Pro Gly Cys Xaa Asn Asn Ser Pro Xaa
35 40 45

Xaa Trp Ser Phe Pro Gln
50

<210> 7136
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7136
Pro Pro Leu Trp Pro Val Gly Xaa Ser Pro Glu His Cys Ala Val Gly
1 5 10 15

Pro Ser Trp Ser Xaa Leu Leu Xaa Gly Thr Val Glu Arg Pro Ser Ser
20 25 30

Ser Lys

<210> 7137
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO _ 0122920A2_I_>

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO__0122920A2 I >

<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7137
Leu Xaa Gly Leu Asn Xaa Thr Pro Arg Arg Gly Gly Arg Ser Xaa Ile
1 5 10 15

Val Asp Pro Pro Gly Cys Xaa Asn Ser Ala Arg Ala Glu Arg Thr Ser
20 25 30

Leu Cys Tyr Glu Phe Xaa Ser Leu His Xaa Lys Val Lys Phe Ser Xaa
35 40 45

Met Ile Leu Leu Ala Val Xaa Xaa Arg Xaa Ser Val Thr Val Xaa Leu
50 55 60

Thr Xaa Xaa Ser Trp Xaa Thr Ser Ala Arg Ile Leu Ser Pro Xaa Ser
65 70 75 80

Ala Ala

<210> 7138
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7138
Gly Gly Gly Arg Leu Gly Gly Arg Gly Xaa Pro Ala Xaa Xaa Leu Lys
1 5 10 15

Glu Lys Thr Leu Lys Phe Gly Gly Lys Phe Ser Pro Pro Arg Gly Gly
20 25 30

Ala Trp Ala Lys Gly Gly Lys Xaa Ser Arg Gly Xaa Asn Gly Lys Gly
35 40 45

Xaa Glu Lys Ile Xaa
50

<210> 7139
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7139
Xaa Tyr Trp Gly His Ile Gln His Ser Leu Trp Leu Ser Thr Pro Xaa
1 5 10 15

Asn Arg His Pro Xaa Ala Gln Glu Leu Met Gly Leu Xaa Leu Arg Leu
20 25 30

Tyr Ala Arg Ala Ser Arg
35

<210> 7140
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7140
Leu Phe Glu Leu Xaa Pro Xaa Trp Ile Lys Thr Gly Ala Pro Pro Pro
1 5 10 15

Xaa Arg Pro Leu Xaa Asn Asn Gly Ser Pro Gly Leu Gln Glu Ile Arg
20 25 30

His Glu Leu Arg Leu Arg Val Ser Pro Leu Arg Xaa Arg Leu
35 40 45

<210> 7141
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7141
Ser Leu Lys Xaa Ile Thr Xaa Ile Leu Ser Xaa Ser Ile Pro Lys Thr
1 5 10 15

Gly Val Arg Ser Pro Lys Gly Ser Thr Pro Xaa Tyr Xaa Leu Leu Ser
20 25 30

Thr Thr

<210> 7142
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7142
Gly Gly Gly Xaa Leu Leu Xaa Phe Arg Ala Xaa Gly Gly Xaa Lys Ala
1 5 10 15

Gly Leu His Arg Arg Gly Ser Arg Ser Lys Thr Asn Xaa Ser Pro Gly
20 25 30

Leu

<210> 7143
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7143
Ala Val Ala Xaa Ala Leu Xaa Leu Xaa Asp Pro Xaa Gly Cys Ile Asn
1 5 10 15

Ser Ala Arg Ala Asn Val Gln Leu Pro Tyr Gly Ser Ser Leu Asn Pro
20 25 30

Gly Ser Ser Asp Thr Ile Xaa Leu
35 40

<210> 7144
<211> 54
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7144
Ala Thr Thr Trp Xaa Ser Phe Gln Arg His Ser Trp Gly Leu Ser Ile
1 5 10 15

Gly Leu His Ser Thr Xaa Ile Leu Gln Tyr Arg Thr Phe Asn Gly Ala
20 25 30

Val Xaa Val Leu Lys Leu Tyr Phe Ile Ser Lys Ile Xaa Met Val Met
35 40 45

His Ile Ser Glu Leu Ser
50

<210> 7145
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7145
Ser Leu Gly Asp Ile Lys Val Pro Gly Asn Leu Leu Val Arg Glu Gly
1 5 10 15

Glu Arg Gly Glu Ser Cys Thr Glu Ser Lys Leu Gln Arg Phe Ala Glu
20 25 30

Asp Ser Ser Trp Ser Xaa Gln His Ser Met Gln Leu Met Phe Ile Gly
35 40 45

Ala Ser Tyr Leu Arg Phe Arg Gly Asn Tyr Thr Xaa Lys Asp Arg Arg
50 55 60

Asn Ser Ala Leu His Xaa His Arg Thr Glu Arg Lys
65 70 75

<210> 7146
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7146
Cys Pro Ser Phe Asn Gly Lys Asn Trp Thr Xaa Arg Xaa Gly Gly Arg
1 5 10 15

Ser Arg Ile Val Asp Pro Pro Gly Cys Arg Glu Phe Gly Thr Ser Leu
20 25 30

Ser Ser Leu Ser Leu Leu Xaa Gly His Arg Leu Xaa Thr Leu Xaa Trp
35 40 45

Gln Ser Leu Thr His Xaa Arg Asp Ala Gln Gly Xaa
50 55 60

<210> 7147
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7147

```
Leu Arg Ile Arg Phe Cys Pro Val Ala Ser Arg Glu Ser Pro Gly His
  1               5                  10                  15

Leu Asp Tyr Leu Ile Thr Ile Thr Pro Pro Ile Val Thr Gln Leu His
             20                  25                  30

Thr Xaa Met Phe Leu Lys Ile Leu Asn Arg Xaa Ser Asn Pro Leu Gly
         35                  40                  45

Asn Arg Leu Ser Thr Lys Xaa Ser Pro Pro Ile Trp Leu Leu Asn Leu
     50                  55                  60

Ala Pro Ser Ser His Phe Thr Tyr Xaa Val Pro Val Pro Xaa Lys Xaa
 65                  70                  75                  80

Arg Met Glu Xaa Pro Ala Leu Xaa Pro Gly Pro Arg Pro Phe Tyr Ile
                 85                  90                  95

Xaa Ala Lys Lys Lys
            100
```

<210> 7148
<211> 54
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7148
Leu His Pro Gln Val Glu Lys Met Leu Pro Glu His Ala Ala Ala Pro
1 5 10 15

Ile Ala Ser Cys Leu Ala Lys Thr Asp Pro Gly Asp Ser His Glu Thr
20 25 30

Thr Val Pro Gly Cys Leu His Ser Pro Cys Tyr Val Leu Gly Thr Glu
35 40 45

Thr Val Asp Xaa Pro Phe
50

<210> 7149
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7149
Xaa Xaa Val Ala Leu Leu Asn Val Tyr Asp Leu Phe Tyr Xaa Leu Arg
1 5 10 15

Ser Xaa Met Val Xaa Glu
20

<210> 7150
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7150
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Thr Pro
20 25 30

Lys Xaa

<210> 7151
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7151
Ser Ala Arg Val His Ser Glu Tyr Cys Gly Ser Pro Gly Lys Phe Val
1 5 10 15

His Arg Gly Tyr Cys His Phe Gly Lys Thr Leu Gly Cys Leu Val Arg
20 25 30

Arg Leu Gln Xaa Ala Glu Gly Gln Thr Thr Lys Gly Cys Phe Arg Val
35 40 45

Gln Leu Arg Arg Glu Xaa Gly His Gln Lys Lys Glu Pro Asp Trp Trp
50 55 60

Leu Tyr Leu His Pro Xaa Phe Lys Gln Trp Arg Ser
65 70 75

<210> 7152
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7152
Gln Thr Thr Leu Phe Arg Xaa Asn Ala Pro Gly Leu Thr Xaa His Gly
1 5 10 15

Ala Ala Leu Xaa Pro Phe Thr Xaa Cys Xaa Xaa Thr Gln Xaa Ser Lys
20 25 30

Thr Val

<210> 7153
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7153
Xaa Thr Ile Ala His Phe Phe Leu Lys Gln Pro Val Lys Gln Xaa Leu
1 5 10 15

Ile Ser Asn Ala Arg Leu Ile Tyr Leu Ser Phe Trp Arg Trp Val Leu
20 25 30

Tyr Ser Ser Ser Ser Pro Phe His Val Pro Pro Asp Leu Leu Val Leu
35 40 45

Phe Phe Arg Tyr Ser Ile Xaa His Thr Phe Met Leu

50 55 60

<210> 7154
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7154
Pro Ile Leu Cys Gln Thr Trp Ser Lys Ser Leu Ser Ser Gly Ser Asn
1 5 10 15

Thr Ala Ala Met Leu Xaa Leu Ser His Ser Xaa Leu Ala Arg Xaa Glu
20 25 30

Glu Lys Lys Lys Val Cys Leu Ser Leu Leu Lys Asp Ser Ala
35 40 45

<210> 7155
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2 I >

<400> 7155
Xaa Leu Lys Asp Lys Thr Asp Pro Arg Xaa Gly Arg Ser Asn Tyr Gly
1 5 10 15

Pro Arg Leu Gln Asn Ser Ala Arg Gly
20 25

<210> 7156
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7156
Ala Ala Arg Xaa Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Ile Pro
20 25 30

Lys Xaa

<210> 7157
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7157
Gly Ala Pro Ala Pro Ser Pro Gly Met Arg Ile Leu Gly Tyr Xaa Ile
1 5 10 15

Leu Xaa Xaa Ser Xaa Ala Thr Xaa Xaa Xaa Gly Ser Gly Glu Gly Xaa
20 25 30

Thr Trp Asp Leu Xaa Cys Leu Met Xaa Lys Xaa Xaa Asp His Cys Xaa
35 40 45

Thr Ser Val Leu Leu Lys Met Ser Gly Ile Arg Xaa Arg Asp Cys Asn
50 55 60

Cys Arg Phe Val Thr Asp Thr Xaa Leu Ser Ile Xaa Ser Ile Ser
65 70 75

<210> 7158
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7158
Trp Gly His Arg Ala Xaa Xaa Asn Gln Xaa Pro Lys Xaa Ile Xaa Xaa
1 5 10 15

Thr His Pro Val Pro Xaa Leu
20

<210> 7159
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7159
Ala Tyr Lys Lys Glu Lys Glu Gln Ser Gln Glu Arg Thr Xaa Xaa Lys
1 5 10 15

Cys Phe Gly Thr Ser Leu Phe Leu Asp Phe Glu Leu Ser Asn Trp Phe
20 25 30

Ser Gln Val Lys Leu Lys Asn Ser Glu Thr Trp Phe Tyr Glu Ser Cys
35 40 45

Ser Tyr Thr Phe Leu Xaa Xaa Gly Pro Xaa Leu Leu Pro Arg Leu Leu
50 55 60

Thr
65

<210> 7160
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7160
Leu Val Ser Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser
1 5 10 15

Tyr Tyr Asn Ser Leu Ala Val Val Leu Asn Val Val Thr Gly Thr Xaa
20 25 30

Xaa

<210> 7161
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7161
Tyr Xaa Ser Ile Thr Xaa Lys Gly Gln Thr Asp Ser Arg Gly Gly Ala
1 5 10 15

Leu Glu Tyr Gly Pro Arg Leu Gln Ile Arg Arg Ala Gly Val Glu Xaa
20 25 30

Xaa Leu Xaa Pro Glu Cys His
35

<210> 7162

<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7162
Arg His Glu Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr
1 5 10 15

Tyr Asn Ser Leu Ala Val Val Leu Asn Val Val Thr Gly Pro Xaa Xaa
20 25 30

Xaa

<210> 7163
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7163
Xaa Pro Ile Xaa Lys Xaa Xaa Arg Leu Cys Xaa Gln Asp Asn Arg Leu
1 5 10 15

Gly Asn Ser Ser Thr Arg Val Ala Lys Thr Gln Thr His Leu Leu Gly
20 25 30

Leu Xaa His Xaa Ile Ala Ile Asn Xaa Phe Pro Cys Gly Leu Leu Xaa
35 40 45

Glu Glu Phe Ala Leu Leu Xaa Pro Ser Gly Val Pro His Ala Arg Xaa
50 55 60

Ser Cys Pro Cys Arg Pro Ile Leu Ile Tyr Arg Ala Thr Arg Lys Thr
65 70 75 80

Ile Cys Xaa Ser

<210> 7164
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7164
Ala Ala Arg Ala Leu Pro Arg Arg Thr Xaa Glu Ile Thr Val Thr Xaa
1 5 10 15

Ser Ser Ala Leu Val Arg Asn Arg Glu Gln Leu Arg Leu Ser Pro Lys
20 25 30

Asn Leu Leu Glu Gly Leu Glu Lys Phe Leu Pro Leu Ile Pro Ala Xaa
35 40 45

<210> 7165

<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7165
Lys Asn Gln Ala Ala Gly Arg Glu Ser Leu Gln Ser Arg Xaa Glu Val
1 5 10 15

Glu Tyr Thr Arg Asp Gln Thr His Asp His Ser Ser Leu Gln Thr Phe
20 25 30

Leu Gly Xaa Gln Gln Pro Met Pro Ser Leu Gly Met Leu Pro Leu Cys
35 40 45

Cys Glu Glu Leu Ile Leu Val Phe His His Ser Gly Ser Asn Met Leu
50 55 60

```
Xaa Pro Thr Ser Leu Asp Xaa Pro Gly Leu Thr Ile Ile Leu Xaa Phe
 65                  70                  75                  80

Leu Phe Val Leu Ser Thr Xaa Ser Asn Asn Xaa Thr Ser
                 85                  90
```

<210> 7166
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7166

```
Glu Asn Arg Tyr Ser Ser Leu Ser Xaa Asn Asn Leu Ile Pro Pro Val
  1               5                  10                  15

Gln Leu Lys Tyr Leu Leu Gly Lys Tyr Tyr Cys Glu Arg Arg Asn Xaa
             20                  25                  30
```

Tyr Xaa Tyr Ile Leu Thr Ile Arg His Leu Xaa Arg Lys His Thr Thr
35 40 45

Leu Xaa Tyr Leu Thr Asn Trp Lys Thr His Thr Ser Gly Ala Lys Leu
50 55 60

Gln Leu Arg His Leu Phe Leu Ala Val Arg Ser Ile Xaa
65 70 75

<210> 7167
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7167
Ser Cys Arg Xaa Gly Thr Ser Xaa Ile Val His Xaa Met Leu Val Xaa
1 5 10 15

Ile Glu Asp Asn Xaa Asp Phe Arg Lys Xaa Leu Xaa Gly Cys Cys Phe
20 25 30

Tyr Asn Xaa Xaa Ser Thr Glu Arg His Lys Pro Gln Thr Ser Ser Ser
35 40 45

Pro Arg Thr
50

<210> 7168
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7168
Gly Lys Tyr His Ser Pro Ser Ile Leu Thr Lys Gly Xaa Lys Met Thr
1 5 10 15

Met Cys Met Xaa Cys Asp Ala Thr Thr Leu Xaa Xaa Arg Xaa Tyr Thr
20 25 30

Lys Glu Lys
35

<210> 7169
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7169
Pro Leu Tyr Leu Leu His Asn Glu Leu Thr Arg Ile Thr Cys Lys Arg
1 5 10 15

Ala Lys Leu Arg Pro Arg Asn Xaa Glu Leu Leu Arg Thr Leu Lys Asp
20 25 30

Thr Pro Ser Met Cys Lys Tyr Gly Lys Ile Ile Val Ser Thr Thr Thr
35 40 45

Ser Cys Asp Thr Gly Val Lys Ile Ile Tyr Ser Leu
50 55 60

<210> 7170
<211> 48
<212> PRT
<213> Homo sapiens

<400> 7170
Pro Leu Lys Asp Lys Arg Thr Pro Ala Gly Ala Ala Leu Thr Met Asp
1 5 10 15

Pro Gly Leu Gln Asn Ser Ala Arg Ala Gln Thr Gly Lys Thr Arg His

20 25 30

Asn Asp Lys His Thr Gly Cys Cys Gly Asp Asn Asp Gln Leu Ser Val
35 40 45

<210> 7171
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7171
Gly Ile Xaa Val Pro Ser Leu Pro Val Ser Gly Leu Tyr Ala Xaa Arg
1 5 10 15

Gly Leu Xaa Ser Ala Asp Xaa Ile Ser Asp Tyr Val Tyr Thr Ser Ser
20 25 30

Thr Asn Cys Val Gln Leu Leu Gly Phe Trp Xaa Xaa Thr Pro Leu Pro
35 40 45

Gly His Ala Asp Asp Pro Gly Met Pro Lys Asn Ala Leu Arg Ser Pro
50 55 60

Asp Tyr Val Ser Trp Xaa Cys Tyr Met Pro Asn Leu Xaa Ser Ala Thr
65 70 75 80

Xaa His Met Ile Cys Thr Xaa Arg Asn Asp Thr Xaa
85 90

<210> 7172
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7172
Arg Xaa Xaa Leu Asp Ser Pro Arg Gly Ala Ala Leu Xaa Tyr Gly Ser
1 5 10 15

Pro Gly Cys Met Asn Ser His Glu His Ala Arg Gly Pro Asn Asn Ser
20 25 30

Glu Ala Gly Gly Ile Pro Thr Leu Xaa Leu Asp
35 40

<210> 7173
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7173
Lys Val Cys Ile Glu Tyr Thr Ser Gly Phe Phe Ala Leu Leu Phe Ala
1 5 10 15

His Cys Ser His Val Phe Phe Ile Ala Val Ser Lys Asn Ile Leu Asp

20 25 30

Xaa Tyr Gly Met Leu Phe Phe Ser His Gln Leu Lys Leu Leu Lys Asn
35 40 45

Ile Xaa Tyr Ile Cys Gly Lys Asp Ser Glu Arg Ser Ile Gly Val Leu
50 55 60

Leu Xaa Val Pro Asn Cys Leu Leu
65 70

<210> 7174
<211> 64
<212> PRT
<213> Homo sapiens

<400> 7174
Glu Lys Asn Ile Ser Glu Trp Gly Ile Leu Arg Lys Met Ile Asn Thr
1 5 10 15

Ala Gln Glu Tyr Lys Lys Glu Ser Lys Ser Tyr Asn Met Ser Leu Leu
20 25 30

His Ile Tyr His Ser Ser Leu Phe Cys Phe Val Leu Asp Asp Ala Lys
35 40 45

Leu Arg Gly Leu Ala Ala Pro Ser Asn Leu Ser Met Glu Ser Asp Ser
50 55 60

<210> 7175
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7175
Asn Pro Glu Ser Glu Arg Gly Arg Asp Asp Gly Leu Gln Ala Ser Gly
1 5 10 15

Pro Ser Arg Gly Pro Arg Ser Met Trp Leu Leu Pro Ser Leu Ser Val
20 25 30

Leu Cys Val Ala Ser Ser Ser Leu Thr Gly Tyr Pro Ala Xaa Pro Ser
35 40 45

Ser Phe Ser Ser Pro Thr Phe Pro Lys Gly Val Leu His Phe Tyr Phe
50 55 60

Gly Xaa Asn Phe Ser Trp Gly Glu Asn Xaa Gly Trp Gly Leu Pro Xaa
65 70 75 80

Lys Pro Xaa Gly Thr Phe Pro Ala Ile
85

<210> 7176
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7176
Thr Ala Ser Gly Ser Trp Asp Lys Leu Gly Phe Thr Leu Ile His Asn
1 5 10 15

Ser Ile Ser Ser Ser Val Phe Pro Phe Pro Thr Leu Arg Phe Leu Cys
20 25 30

Cys Arg Trp Ala Gln Xaa Arg Thr His Pro Thr Xaa Pro Gly Xaa Pro
35 40 45

Gly Gly Lys Pro Gly Gly Gly Ala Gly Lys Asn Arg Pro Asn Asp Cys
50 55 60

<210> 7177
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7177
Asn Phe Glu Gly Ser Leu Arg Lys Pro Leu Asn Trp Lys Ser Leu Ala
1 5 10 15

Ala Leu Ser Xaa Ile Ser Val Asn Val Ser Lys Glu Leu Met Leu Cys
20 25 30

Tyr Leu Ile Lys Pro Ser Thr Met Thr Asp Lys Glu Met Glu Ser Pro
35 40 45

Glu Met Phe Glu Lys Asp
50

<210> 7178
<211> 41
<212> PRT

<213> Homo sapiens

<400> 7178
Arg Met Pro Asn Lys Ala Arg Lys Ser Ile Val Thr Cys Ala Leu Arg
1 5 10 15

Ala Gln Tyr Leu Tyr Leu Ile Ser Thr Glu Glu Ile Phe Leu Cys Asn
20 25 30

Leu Ile Phe Cys Leu Val Leu Val Leu
35 40

<210> 7179
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7179
Leu Phe Phe Asn Thr Cys Val Pro Val Asn Ile Met Ser Asn His Lys
1 5 10 15

Cys Leu Ile Gly Trp Ser Xaa Xaa Val Gly Glu Glu Arg Tyr Arg Ser
20 25 30

Cys Leu Ile Ser Ile Ser Cys Ser Ala Leu Lys Ile Phe Ile
35 40 45

<210> 7180
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7180

```
Asp Cys Phe Val Ser Ile Pro Ile Leu Tyr Ser Cys Ser Trp Xaa Asn
  1               5                  10                  15

Xaa Asn Gln Ala Leu Ser Ile Leu Pro Lys Thr Xaa Val Cys Asp Ser
             20                  25                  30

Ser Phe Gln Trp Leu Phe Ser Ile Pro Ser Xaa Arg Xaa Pro His Leu
         35                  40                  45

Ser Ser Xaa Leu Pro Ser Ser Trp Thr Val Arg Cys Leu Phe Tyr Ser
     50                  55                  60

Pro Phe Ser Ile Arg Val Trp Asp Gly Pro Lys Xaa Ser Ser Ser Leu
 65                  70                  75                  80

Asn Asn Ile Val Leu Asp Thr Xaa Ile Glu His Xaa Xaa Leu Leu Val
                 85                  90                  95

Ala Xaa Leu His Cys Ile Leu Val Tyr Gln Ile Xaa Pro Xaa Xaa Xaa
            100                 105                 110
```

<210> 7181
<211> 63
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__0122920A2 I >

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7181
Leu Asp Phe Cys Met Glu Asn Ile Gln Gly Tyr Ile Ser Leu Phe Leu
1 5 10 15

Tyr Ser Arg Glu Gly His Leu Val Leu Cys Lys Tyr Val Ala Asp Leu
20 25 30

Ser Phe Ser Asp Xaa Arg Ala Pro Xaa Leu Lys Val Phe Leu Asn Ala
35 40 45

Trp Lys Glu Asn Val Ile Phe Xaa Glu Ser Asn Ile Phe Ile Ser
50 55 60

<210> 7182
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7182

Leu Xaa Phe Ala Leu Ser Xaa Cys His Gly His Asp Ser Arg Ser Xaa
1 5 10 15

Ser Lys

<210> 7183
<211> 38
<212> PRT
<213> Homo sapiens

<400> 7183
Asp Ile Asp Phe Trp His Asp Arg Val Arg Arg Leu Met Lys Pro Leu
1 5 10 15

Pro Lys Lys Thr Ala Arg Lys Leu Glu Glu Asn Cys Gln Lys His Pro
20 25 30

Phe Gln Leu Pro Lys Asn
35

<210> 7184
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7184
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
20 25 30

Lys Xaa Xaa
35

<210> 7185
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7185
Cys Cys Gly Leu Cys Val Thr Leu Ser His Ile Ile Gln Arg Ile Met
1 5 10 15

Phe Thr Phe Ile Ala Lys Xaa Ile Cys Leu Met Pro Asn Thr Pro Ser
20 25 30

Pro Xaa Ala Pro Arg Pro Gly Val Ser Phe Arg Lys Gly Lys Gly Xaa
35 40 45

Gly Leu Tyr
50

<210> 7186
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7186
Lys Glu Lys Gly Lys Cys His Lys Lys Leu Glu Tyr Leu Trp Ser Leu
1 5 10 15

Lys Pro Trp Asn Leu Leu Xaa Gly Xaa Val Tyr Xaa Arg Asn Pro Gly
20 25 30

Xaa

<210> 7187
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7187
Phe Ile Tyr Xaa Cys Cys Ala Leu Thr Val Pro Xaa Ile Ile Leu Xaa
1 5 10 15

Tyr His Xaa Val
20

<210> 7188
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7188
Glu Leu Val Ser Ser Phe Phe Phe Phe Phe Xaa Xaa Xaa Thr Trp Ile
1 5 10 15

<210> 7189
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7189
Xaa Ser Tyr Xaa Phe Ser Arg Xaa Asn Val Leu Pro Leu Thr Phe Ile
1 5 10 15

Asn Ser Val Tyr Ile Phe Xaa Gln His Ser Lys Leu Leu Glu Ser Asn
20 25 30

Ser Phe Thr Tyr Phe Tyr Leu Leu Phe Ser Leu Cys Thr Ala Leu Ser
35 40 45

Cys Ile Val Phe Gln His Met Arg Leu Thr Ala His
50 55 60

<210> 7190
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7190
Val Asn Thr Ile Pro Xaa Thr Arg Leu Arg Gly Xaa Thr Cys Gln Ile
1 5 10 15

Val Leu Ser Leu Ala Met Tyr Pro
20

<210> 7191
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7191
Gly Glu Leu Leu Leu Gln Glu Thr Ala Asp Phe Gly Xaa Lys Leu Leu
1 5 10 15

Leu Xaa Xaa Ser Pro Gly Gly Thr Val Pro Thr Val Ser Trp Arg Asn
20 25 30

Asn Xaa Leu Xaa
35

<210> 7192
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7192
Tyr Ala Leu Ser Lys Leu Thr Xaa Thr Lys Xaa Asn Lys Ser Trp Xaa
1 5 10 15

Ser Thr Gly Gly Gly Gly Gly Xaa Lys Xaa Xaa Gly Ser Pro Gly Xaa
20 25 30

Lys

<210> 7193
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7193
Leu Val Pro Asn Ser Ala Arg Val Ser Pro Gly Ile Gln Ala Phe Arg

```
  1               5                  10                  15

Ala Thr Gly Pro Leu Asn Tyr Trp Pro Glu Leu Pro Thr Leu Pro Val
             20                  25                  30

Gln Arg Leu Trp Cys Tyr Gly Gly Pro Leu His Ser Lys Ser Ser Xaa
         35                  40                  45

Ile Ser Lys His Leu Leu His
     50                  55
```

<210> 7194
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7194

Ala Asn Leu Thr Leu Xaa Phe Met Leu Ala Ser Xaa Leu Xaa Asp Gln
1 5 10 15

Lys Glu Lys Xaa Lys Leu Ser Pro Glu Phe Xaa Asn Tyr Gly Glu Lys
20 25 30

Leu Ile Leu Ile Val Thr His Xaa Ala Thr Leu Ser Leu Phe Cys Phe
35 40 45

Val Phe Pro Ser Asn Xaa Xaa Lys Cys Xaa Glu Pro Arg Leu Leu Xaa
50 55 60

Xaa Xaa Ala Xaa Xaa Phe His Leu Pro Trp Leu Leu Ile Pro Pro Lys
65 70 75 80

Leu Gln Asn Pro Ile Leu Gly Xaa Asn Leu Ser Ala
85 90

<210> 7195
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7195
Leu Tyr Xaa Leu Leu Ser Pro Asn Gln Val Tyr Met Trp Phe Asp Lys
1 5 10 15

Tyr Tyr Ser Ile Leu Met Gly Ile Leu Met Gln Arg Ile Xaa Xaa Gly
20 25 30

Ile Val Leu Glu Ile Tyr Lys Ile Lys Thr Val Cys Leu Ile
35 40 45

<210> 7196
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7196
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Gln Ile Xaa Val Xaa
35

<210> 7197
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO _ 0122920A2 I_>

<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7197
Glu Xaa Glu Ile Phe Glu Lys Ile Met Leu Lys Phe Ser Gln Phe Xaa
1 5 10 15

Xaa Lys Asn Leu Ile Phe Xaa Pro Lys Xaa Leu Asn Glu Leu Asp Lys
20 25 30

Xaa Xaa Lys Ile Xaa Pro Lys Thr Xaa Ser Xaa Phe Phe Leu Xaa Ser
35 40 45

Pro Lys Xaa Lys Ile Phe Leu Glu Tyr Xaa Gly Glu Lys Thr Pro Pro
50 55 60

BNSDOCID: <WO_ 0122920A2_I_>

Phe Leu Trp Xaa Pro Xaa Lys Xaa Xaa Val Xaa Phe Leu Thr Thr Gly
65 70 75 80

Gly Gly Xaa Val Phe Xaa Thr Xaa Pro Xaa Lys Lys Lys Asn Xaa Pro
85 90 95

Pro Phe Phe

<210> 7198
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7198
Phe Ser Ser Leu Lys Leu Ser Leu Glu Tyr Leu Ser Leu Leu Leu Val
1 5 10 15

Leu Trp Leu Leu Met Ile Leu Ala Phe Ser His Phe Asp Phe Val Leu
20 25 30

Lys Lys Asn Phe Glu Pro Asn Asn Ile Pro Val Tyr Phe Xaa Pro Ile
35 40 45

Thr Phe His Glu Ser Arg Ala His Ser Xaa Xaa Pro Xaa Ile Pro Lys
50 55 60

Thr Xaa Val Pro Thr Ile Met Gly Gly Gly Val Ser
65 70 75

<210> 7199
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7199
Cys Lys Asp Asn Gly Lys Pro Leu Ala Gly Phe Met Glu Asp Gly Val
1 5 10 15

Leu Asn Arg Cys Phe Trp Lys Cys Lys Val Asp Asn Gly Leu Lys Leu
20 25 30

Xaa Thr Thr Leu Xaa Ala Trp
35

<210> 7200
<211> 38
<212> PRT
<213> Homo sapiens

<400> 7200
Ala Arg Arg Lys Gly Cys Thr Glu Phe Glu Asp Thr Ala Ala Val Ser
1 5 10 15

Trp Arg Glu Glu Ala Lys Gly Ala Arg Arg Leu Gln Ala Lys Gly Gly
20 25 30

Gly Ala Trp Asp Leu Asn
35

<210> 7201
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7201
Xaa Pro Xaa Val Xaa Asp Lys Leu Phe Pro Lys Asn Gln Asn Met Ser
1 5 10 15

Trp Ser Trp Thr Phe Lys Pro Val Leu Xaa Val Ile Pro Asn Tyr Gly
20 25 30

Lys Ser Val Arg Glu Gln Xaa Ile Leu Pro Lys Asn Glu Xaa Pro Cys
35 40 45

Arg Lys Pro Glu
50

<210> 7202
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7202
Glu Xaa Leu Xaa Tyr Glu Lys Gly Thr Arg Xaa Met Cys Ala Cys Val
1 5 10 15

Asn Pro Thr Xaa Thr Ser Xaa Xaa Xaa Xaa Xaa Trp Xaa Phe Xaa Ile
20 25 30

Phe Leu Pro Pro Ile Ser Tyr Pro Lys Gln Asn Lys Xaa Pro Phe Ser
35 40 45

Ile Ile Ser Xaa Asn Ile Gln Tyr Cys Pro Cys Gly Ile Phe Leu Asn
50 55 60

Ser Leu
65

<210> 7203
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7203

```
Ser Cys Arg Ser Cys Arg Xaa Arg His Lys Arg His Glu Glu Gln Val
  1               5                  10                  15

Xaa Asn Leu Ser Xaa Xaa Xaa Asn Thr Xaa Pro Val Cys Xaa Ser Thr
             20                  25                  30

Cys Lys Leu Xaa Arg Cys Leu Leu Xaa Tyr Arg Phe Ile Ser Gln Thr
         35                  40                  45

Thr Val His Xaa Cys Leu Pro Arg Glu Leu Gln Asp Xaa Ile Thr Phe
     50                  55                  60

Asp Xaa Ser Xaa Xaa Ile Xaa Cys Xaa Lys Val Xaa Asn Phe Asn Phe
 65                  70                  75                  80

Leu Xaa Asn Ile Gln Leu Phe Asn Xaa Ser Xaa Ile Thr Ser Tyr Phe
                85                  90                  95

Asn Leu Asn Leu Asn Tyr Arg Lys Val Ser Xaa Leu Ser Phe Glu Xaa
            100                 105                 110

Leu Leu Pro Arg Phe Asn Phe Ser Ser Leu
        115                 120
```

<210> 7204
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7204

```
Leu Leu Lys Arg Thr Lys Ser Trp Gly Pro Pro Ala Val Lys Xaa Arg
  1               5                  10                  15

Phe Leu Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Gly Thr Pro
             20                  25                  30

Leu Pro Glu Lys Thr Val Xaa Val
         35                  40
```

<210> 7205
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7205
Gln Thr Met Phe Thr Thr Cys Arg Pro Ser Ile Arg Ile Phe Leu Gly
1 5 10 15

```
Ser Leu Met Ile Tyr Leu His Ala Ile Cys Pro Gln Gln Ile Val Ser
             20                  25                  30

Gln Glu Trp Asn Xaa Gln Gly His Trp Xaa Cys Xaa Lys Val Xaa Lys
         35                  40                  45

Arg Ala Xaa His Pro Leu Lys Phe Arg Phe Val Asn Ile Xaa Leu Thr
     50                  55                  60

Asn Ser Asn Xaa Ala Met Xaa Phe Pro
 65                  70
```

<210> 7206
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7206

```
Leu Leu Lys Gly Lys Xaa Trp Ala Pro Arg Gly Xaa Gly Arg Phe Leu
  1               5                  10                  15

Thr Ser Gly Ser Pro Gly Xaa Gln Gly Ile Arg Gly Xaa Pro Pro Cys
             20                  25                  30
```

<210> 7207
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7207
Tyr Pro Asp Ile Pro Ala Leu Xaa Gln Arg Xaa Gly Leu Lys Lys Lys
1 5 10 15

Ser Thr Cys Ser Phe Arg Pro Gln Ala Gln Gln Xaa Gly Glu Ile Asn
20 25 30

Cys Phe Trp Lys His Leu Gly Gly Val Trp Gly Trp Ala Xaa Lys Lys
35 40 45

Gln Val Xaa Phe Asn Xaa Leu Leu Trp Lys Phe Cys Phe Ile Ile Ile
50 55 60

Pro Phe Pro Leu Cys Tyr Thr Xaa Pro Xaa
65 70

<210> 7208
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7208
Lys Arg Asn Trp Cys Val Asn Gln His Lys Ile Leu Glu Cys Ile Ser
1 5 10 15

Ile Ser Ile Phe Ser Pro Thr Asn Pro Val Thr Val Val Asn Asn Gln
20 25 30

Cys Val Asn Asn Glu Tyr Leu Phe Phe Thr Leu Phe Gln Gly Lys Thr
35 40 45

Asn Ile Tyr Gly Thr Leu Pro Phe Glu Xaa Thr Leu Glu
50 55 60

<210> 7209
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7209
Ala Ala Arg Thr Xaa Pro Glu Ser Val Ser Cys Xaa Pro Glu Ile Thr
1 5 10 15

Xaa

<210> 7210
<211> 56
<212> PRT
<213> Homo sapiens

<400> 7210
Ala Arg Ala Glu Phe Gly Thr Ser Pro Asn Glu Leu Leu Asp Pro Asp
1 5 10 15

Cys Val His Arg Trp Leu Lys Gln Ser Asp Leu His Leu Gly Asp Glu
20 25 30

Ile Ile Gln Val His Arg Asp Pro Ala Ala Leu Asp Gly Ser Gly Cys
35 40 45

Ala Thr Leu Thr Val Val Met Arg
50 55

<210> 7211
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7211
Leu Lys Val Trp Lys Ala Glu Phe Met Lys Lys Asn Xaa Lys Lys Ala
1 5 10 15

Xaa Ser Asn His Asp Leu Pro Ile Lys Xaa Xaa Trp Phe Gly Gly Lys
20 25 30

Gly Xaa Val Gly
35

<210> 7212
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7212
Xaa Leu Leu Lys Gly Gln Lys Leu Xaa Pro His Arg Gly Lys Arg Pro
1 5 10 15

Leu Leu Xaa Leu Val Asp Pro Pro Gly Cys Arg Lys Phe Gly Asp Xaa
20 25 30

Xaa

<210> 7213
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7213
Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser
1 5 10 15

Pro Lys Xaa Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Xaa
20 25 30

Ser Lys Lys Phe Asn Thr His Gly Arg Pro Lys Ser Ser His Xaa Leu
35 40 45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr Xaa Xaa Ile Pro Asn Ile
50 55 60

Leu Leu Asn Ser Ser His Pro Ile Gly Thr Asn Leu Ser Pro Tyr Arg
65 70 75 80

Lys Asn Leu Cys Leu Leu
85

<210> 7214
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7214
Gly Ala Leu Ile Xaa Arg Leu Ser Ala Ser Leu Gln Trp Gly Xaa Ser
1 5 10 15

Pro Ile Pro Asn Phe Phe Phe Xaa Xaa Gly Ala Gln Pro Asn Ser Pro
20 25 30

Leu

<210> 7215
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7215
Gln Gln His Leu Asn Thr Thr Thr Phe Gln Lys Ser Ser Lys Phe His
1 5 10 15

Leu Thr Cys Lys Ala Cys Gly Asn Pro Thr Ser Pro Glu Pro Asp Leu
20 25 30

Val Val Asn Tyr Leu Glu Pro Pro Asn Lys Ser Thr Trp Lys Gln Asp
35 40 45

Thr Thr Tyr Gly Thr Ile Cys Arg Pro Tyr Gln Pro Pro Asp Thr Ile
50 55 60

Ile Ser His Phe Asn Cys Leu Pro Leu Lys Xaa Gly Phe Thr Lys Asn
65 70 75 80

Lys Met Val Leu Pro
85

<210> 7216
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ 0122920A2 I >

<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7216
Phe Ser Pro Ser Xaa Cys Leu Gln Xaa Cys Xaa Val Xaa Asn Leu Thr
1 5 10 15

Phe Asp Xaa Lys Thr Tyr Leu Ile Asn Asp Ser Thr Asn Phe Gly Lys
20 25 30

Lys Lys Pro Phe Xaa Lys Leu Xaa Lys Ile Pro Ile Leu Leu Asn Xaa
35 40 45

Pro Pro Ser Gly Thr Arg Glu Val Gln Asn Ser Phe Xaa Phe Gly Leu
50 55 60

Tyr Tyr Phe
65

<210> 7217
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7217
Asp Thr Ala Glu Ile Ser Lys Phe Cys Leu Lys Ser Asp Lys Val Xaa
1 5 10 15

Val Ala Leu Ala Leu Xaa Lys Val Gly Asp Ile Phe Asp Tyr Ile Ser
20 25 30

Leu Tyr Leu His Ser Xaa Gln Ala Ser Ser Met Asp Cys Lys Asn Leu
35 40 45

Arg Glu Gln His Thr Xaa Leu Gln Ser Glu Gln Met Asn
50 55 60

<210> 7218
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7218

```
Lys Asn Tyr Ser Ser Phe Ser Asn Arg Ser Phe Thr Leu Asn Phe Ile
  1               5                  10                  15

Phe Gly Leu Tyr Phe Lys Ile Ser Lys Tyr Met Lys Pro Tyr Leu Gln
             20                  25                  30

Xaa Ile Ser Phe Gly Phe Arg Leu Thr Leu Phe Trp Asn Ser Glu Asn
         35                  40                  45
```

<210> 7219
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7219
Xaa Leu Gln Xaa Thr Lys Lys Phe Pro Xaa Phe Tyr Phe Leu Lys Thr
1 5 10 15

Ile Leu Xaa Ile Ser Phe Gly Xaa Arg Xaa Tyr Ser Leu Phe Leu Leu
20 25 30

Lys Ser Leu Leu Trp Pro Leu Val Ser Leu Xaa Phe Leu Ser Gly Xaa
35 40 45

Xaa Asn Xaa Xaa Gly Ala Phe Ser Arg Phe Ala His Ser Thr Xaa Leu
50 55 60

Val Lys His Asp Leu Cys Val Asn Gly Ile Val Trp Thr Pro Trp Xaa
65 70 75 80

Gly Met Leu Gly Lys Thr Lys Glu Gly Pro Glu Leu Pro Thr Ala Gln
85 90 95

Glu Gly Xaa Xaa Xaa Ala Pro Xaa Leu Glu Leu Lys Pro Pro Pro Lys
100 105 110

Met Xaa Pro Tyr
115

<210> 7220
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7220
Val Phe Phe Phe Leu Ile Phe Cys Ser Ser Trp Phe Val Leu Lys Cys

```
  1               5                  10                  15

Leu Thr Ile Trp Asn Val Lys Leu Leu His Val Leu Gln Ser Lys Ser
            20                  25                  30

Xaa Val Lys Ser Gly Xaa Val Lys Asn Ile Ile Pro Val Gly His Cys
        35                  40                  45

Pro His Phe Cys Ala Gly Gly
    50                  55
```

<210> 7221
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7221
Xaa Ala Ser Tyr Phe Ile Leu Leu Leu Ser Phe Ser His Tyr Tyr Asn
1 5 10 15

Val Ile Ile Gly Asp Leu Met Xaa Ser Gln Leu Phe Leu Ser Phe Met
20 25 30

Asn Ser Gly Ser Lys Lys Xaa Pro Lys Cys Leu Ser Leu Xaa Xaa Ile
35 40 45

Pro Gly Phe Xaa Gln Xaa Leu Xaa Ser Phe Trp Xaa Leu Xaa Xaa Thr
50 55 60

Xaa Ile Pro Phe Xaa Lys Lys Leu Phe Thr Trp Phe Asp Xaa Asn Pro
65 70 75 80

Gly Ser Ser Ile Ile Tyr Cys Leu Asn Xaa Gly Pro His Thr Xaa Pro
85 90 95

Ser Phe Xaa Ser Xaa Pro Xaa Xaa Lys Asn Tyr Ile Leu Xaa Xaa Xaa

BNSDOCID: <WO__ 0122920A2 I >

100 105 110

Asn Lys Ile Leu Lys Asn
115

<210> 7222
<211> 121
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7222
Pro Ala Leu Xaa Gly Leu Ala Leu Phe Ala Ile Leu Trp Val Gly Cys
1 5 10 15

Gly Ile Tyr Pro Pro Ser Leu Xaa Pro Xaa Pro Ala Ser Ser Thr Cys
20 25 30

Ser Gly Xaa Xaa Leu Asn Thr Xaa Arg Xaa Ile Arg Ala Ser Xaa Xaa
35 40 45

Xaa Asn Met Xaa Xaa Phe Pro Xaa Leu Lys Ile Ile Xaa Cys Phe Ser
50 55 60

Phe Lys Lys Met Val Asn Xaa Ala Pro Leu Ala Lys Ser Pro Xaa Xaa
65 70 75 80

Thr Arg Val Ser Phe Ser His Pro Leu Pro Phe Trp Glu Phe Phe Asn
85 90 95

Pro Pro Phe Gln Xaa Leu Pro Leu Phe Leu Pro Trp Pro Phe Phe Leu
100 105 110

Gly Ile Leu Arg Arg Ile Lys Lys Ser
115 120

<210> 7223
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7223
Gly Thr Lys Xaa Xaa Cys Xaa Xaa Xaa Thr Xaa Ser Leu Xaa Ser Phe
1 5 10 15

Leu Val Lys Leu Xaa His Xaa Thr Ser Tyr Asn Asp Gly Ile Tyr Phe
20 25 30

Ser Arg Xaa Xaa Xaa Leu Tyr Pro Leu Gln Xaa Leu Tyr Xaa Asp Leu
35 40 45

His Leu Leu Leu Thr Xaa Trp Lys Thr Phe His Ile Val Leu Ile Thr
50 55 60

Asn Tyr Leu Ser Cys Leu Xaa Val Thr Leu Ile Tyr Ile Cys Arg Phe
65 70 75 80

Ser Pro

<210> 7224
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7224

```
Arg Lys Thr Leu Xaa Ser Asp Xaa Xaa Leu Pro Thr Asp Leu Gln Asn
  1               5                  10                  15

Gly Gln Tyr Leu Asp Xaa Leu Pro Phe Tyr Leu Leu Phe Leu Leu Gln
             20                  25                  30

Xaa Xaa Xaa Gln Gly Thr Ser Ile Met Ile Xaa Lys Ile Tyr Phe Ile
         35                  40                  45

Asn Met Phe Xaa Phe Thr Phe His Leu Phe His Xaa Pro Xaa Glu Tyr
     50                  55                  60

Arg Cys Leu Xaa Asn Leu Ser Leu Xaa Lys Leu Gln Phe Cys
 65                  70                  75
```

<210> 7225
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7225

```
Tyr Thr Lys Val Leu Pro Asn Arg Tyr Phe Tyr Xaa Glu Lys Phe Ile
  1               5                  10                  15

Xaa Lys Phe Leu Ser Leu Lys Phe Gly Phe Phe Ile Asn Leu Lys Cys
             20                  25                  30

Xaa Leu Arg Ile Thr Ile Leu Asn His Trp Asp Xaa
         35                  40
```

<210> 7226
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7226

```
Thr Tyr Ile Thr Pro Pro Phe Ser Xaa Asn Ser Leu Cys Val Lys Ala
  1               5                  10                  15

Leu Lys Gly His Ile Pro Leu Ile Pro Phe Ile Asn Gln Ile Val Leu
             20                  25                  30

Cys Asn Lys Val Gly Xaa Trp Pro Xaa Asn Ser Phe Lys Xaa Trp Asn
         35                  40                  45

Leu Glu Ala Gly Lys Phe Gly Leu Phe Xaa Phe Ser Phe Trp Ala Pro
     50                  55                  60

Xaa His Ser Leu Xaa Trp Met Asn Pro Phe Leu Leu Phe Leu Gly Gln
 65                  70                  75                  80

Lys Lys Lys Lys Thr Xaa Gly Gly Pro Val Pro Xaa Pro Leu Phe Phe
                 85                  90                  95

Phe
```

<210> 7227
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7227
Thr Pro Arg Xaa Tyr Xaa Phe Phe Xaa Lys Ile Xaa Lys Ile Leu Gly

```
  1               5                  10                  15

Pro Tyr Phe Leu Ile His Phe Ser Ala Pro Xaa Pro Ser Phe Xaa Pro
            20                  25                  30

Leu Xaa Xaa Phe Trp Val Asn Ser Xaa Ser Pro Gly Xaa Gly Pro Phe
        35                  40                  45

Xaa Phe Ser Xaa Phe Pro Pro Pro Phe Pro Xaa Xaa Xaa Leu Lys Xaa
    50                  55                  60

Pro Gln Pro Pro Xaa Phe Pro Pro Asn Xaa Xaa Xaa Phe Phe Pro Asn
65                  70                  75                  80

Leu Asn Ser Pro Pro Val Pro Trp Val Pro Asn Phe Xaa Pro Leu Lys
                85                  90                  95

Thr Phe Pro Glu Xaa Xaa Phe Phe Ile Xaa Lys Pro Leu Lys
            100                 105                 110
```

<210> 7228
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7228

```
Ala Ser Ile Ile Phe Phe Gln Val Gln Val Leu Lys Leu Leu Leu Asn
  1               5                  10                  15

Leu Ser Glu Asn Pro Ala Met Thr Glu Gly Leu Leu Arg Ala Gln Val
            20                  25                  30

Asn Ser Leu Tyr Ile Tyr Phe Val Asn Ile His Ile Tyr Thr Phe Glu
        35                  40                  45

Gln Thr Asp Arg Ser Gly Lys Ile Lys Pro Lys Met Leu Gln Gly Phe
    50                  55                  60

Ser Leu Xaa Ser Ser Ile Lys Gly Gly Phe Leu Asn Ser Phe Cys Met
65                  70                  75                  80

Tyr Glu Phe Pro Lys Phe Phe Ala Met Ser Leu Phe Tyr Phe
                85                  90
```

BNSDOCID: <WO__0122920A2 I_>

<210> 7229
<211> 47
<212> PRT
<213> Homo sapiens

<400> 7229
Ala Ala Arg Glu Leu Met Lys Ser Pro Ser Asn Phe Gln Ser His Thr
1 5 10 15

Cys Ile Tyr Cys Gln Asn Leu Ser Met Thr Asn Thr Lys Leu Lys Ser
20 25 30

Cys Phe Gln Arg Lys Lys Ile Ile Ser Leu Asn Tyr Phe Val Gly
35 40 45

<210> 7230
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7230
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Xaa Xaa

<210> 7231
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7231
Leu Ala Leu Trp His Pro Val Leu Xaa Val Glu Leu Pro Gly Thr Xaa
1 5 10 15

Ser Val Ser Pro Glu Ala Thr Ser Leu Glu Ala Ala Xaa Arg Xaa Xaa
20 25 30

Xaa Ser Xaa Thr Thr Ile Phe Ile Val Ser Cys Val Ile Ala Tyr Phe
35 40 45

Thr Asn Phe Ala Xaa Ala Leu Asn Leu Leu Asn Leu Leu Trp Pro Pro
50 55 60

Pro Pro Xaa Lys Val Lys Xaa Val Asn Ser Asn Ser Xaa Pro Ala Pro
65 70 75 80

Gly Ser Ala Pro Val Ile Pro Thr Gly Trp Thr Lys Gly
85 90

<210> 7232
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7232
Ala Lys Ser Asp Phe Ser Glu Phe Gly Ala Lys Arg Lys Phe Thr Gln
1 5 10 15

Ser Phe Met Arg Ser Glu Glu Glu Gly Glu Lys Glu Arg Thr Glu Asn
20 25 30

Arg Glu Xaa Gly Arg Phe Ala Ser Gly Arg Arg Ser Gln Tyr Arg Arg
35 40 45

Ser Thr Asp Arg Glu Glu Glu Glu Xaa Met Asp Asp Glu Ala Ile Ile
50 55 60

Ala Ala Trp Arg Arg Arg Arg Glu Xaa Thr Arg Thr Xaa Leu Xaa Lys
65 70 75 80

Xaa Xaa Glu Asp

<210> 7233
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7233
Xaa Lys Leu Val Val Val Ser Leu Glu Asn Val Xaa Lys Met Xaa Leu
1 5 10 15

Cys Val Leu Met Pro Trp Pro Asp Ser Leu Leu Xaa Phe Ile Glu Ile
20 25 30

<210> 7234
<211> 89
<212> PRT
<213> Homo sapiens

<400> 7234
Leu Ala Glu Asn Arg Trp Pro Arg Gly Arg Gln Arg Asn Glu Gly Phe
1 5 10 15

Leu Ser Ser Cys Thr Glu Gln Ser Ser Pro Gly Thr Asn Leu Glu Tyr
20 25 30

Ser Val Gln Thr Thr Glu Glu Asp Lys Ile Asn Phe Tyr Ala Phe Lys
35 40 45

Lys Asn Tyr Gly Gln Asn Asn Ile Arg Thr Lys Thr Phe Met Ile Phe
50 55 60

Gln Leu Leu Gly Phe Val Tyr Gly Tyr Gln Gln Pro Cys Pro Ala Ile
65 70 75 80

Val Phe Ile Leu Phe Gln Ala Gly Cys
85

<210> 7235
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7235
Phe Xaa Val Xaa Phe Glu Ser Xaa Ile Thr Trp Leu Lys Xaa Ile Pro
1 5 10 15

Thr Xaa Pro Glu Arg Asn Asn Pro Xaa Gly Thr Leu Thr Pro Pro Leu
20 25 30

Trp Lys Arg Gly Xaa Lys Ile Pro Pro Leu Ser Leu Ala Xaa Asn Phe
35 40 45

Phe Pro Leu Xaa Phe Leu Xaa Phe Xaa His Pro Phe Lys Lys Thr Phe
50 55 60

<210> 7236
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7236
Thr Ile Gly Ser Pro Gly Leu Tyr Xaa Ile Arg Xaa Xaa Leu Val Pro
1 5 10 15

Asn Ser Val Arg Xaa Ile Thr Ser Leu Glu Phe Leu Phe Phe Phe Pro
20 25 30

Asn Ile Val Ser Leu Xaa Asn Xaa Leu Phe Asn Xaa Leu Xaa Ala Asn
35 40 45

Leu

<210> 7237
<211> 30
<212> PRT
<213> Homo sapiens

<400> 7237
Gly Thr Pro Arg Asn Glu Gln Ala Gly Leu Pro Leu Tyr Arg Cys Trp
1 5 10 15

Leu Leu Lys Val Phe Asn Cys Lys Leu Gly Gly Phe Gly Asp
20 25 30

<210> 7238
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7238
Val Leu Cys Pro Phe His Val Xaa Ile Cys Xaa Leu Thr Ile Leu Leu
1 5 10 15

Xaa Pro Leu Ile Pro Ala Gln His Val Phe Trp Ser Met Lys Ile Val
20 25 30

Leu Lys Thr Lys Ala Asn Ala Cys Ser Leu Pro Leu Ser Xaa Xaa Lys
35 40 45

Ser Tyr Pro Lys Xaa Asp Phe Glu Phe Arg Ser Trp
50 55 60

<210> 7239
<211> 40
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7239
Ala Ala Arg Ala Arg Ala Glu Phe Gly Thr Arg Gly Gly Pro Val Pro
1 5 10 15

Asn Ser Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu
20 25 30

Gln Arg Arg Asp Trp Thr Xaa Lys
35 40

<210> 7240
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7240
Pro Lys Ala Gln Phe Phe Glu Ser Leu Trp Pro Glu Leu Asp Ser Gln
1 5 10 15

Asp Ser Gly Ser Val Gln Arg Ala Arg Gly Thr Ala Ser Ser Ala Ala
20 25 30

Ala Pro Leu Met Pro Ser Pro Ala Leu Leu Pro Leu Pro Gly Leu Asn
35 40 45

Gly Val Ser Ile Glu Gly Trp Thr Pro Xaa Xaa Gly Glu Leu Val Pro
50 55 60

Cys Gly Tyr Lys Leu Gly Ala Ser Leu Arg Ala Val Pro Gly Xaa Met
65 70 75 80

Gly Ala Pro Leu Pro Pro Ala Thr Pro Pro Thr Xaa Lys Arg Xaa Asn
85 90 95

Xaa Thr Ser Xaa Ala Asn Pro Ser Pro Pro Gly Phe Ser Arg Gly Ala
100 105 110

Pro Gly Gln Lys Glu Leu Xaa Asn Cys Phe Gly Phe
115 120

<210> 7241
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _ 0122920A2 I >>

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7241
Val Leu Pro Ser Pro Phe Glu Ser Pro Gly Pro Lys Arg Asn Lys Ser
1 5 10 15

Trp Ser Ser Xaa Ala Val Ala Val Ala Leu Glu Leu Leu Asp Pro Pro
20 25 30

Gly Cys Met Asn Ser Ala Xaa Ala Ala Ser Ser Pro Gly Xaa Gln Ser
35 40 45

Pro Xaa Ala Pro Ser Gly Tyr Ser Xaa Xaa Xaa Trp Xaa Ser Gly Xaa
50 55 60

Xaa Asp Ala Ala Arg Pro Pro Pro Thr Val Xaa Lys Ser Val Val Val
65 70 75 80

Xaa Gly Gly Ile Xaa Gly Val Thr Cys Ala Xaa Gln Ser Ala Thr Leu
85 90 95

Phe Pro Ser Glu Asp Ile Leu Leu Val Xaa Xaa Ser Pro Val Xaa Asn
100 105 110

Glu Phe Gln Ile Ser Ser Xaa Phe Leu Tyr Xaa Xaa Asn Asn Ser Met
115 120 125

Phe Xaa
130

<210> 7242
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7242
Ile Ser Pro Phe Ser Glu Cys Leu Leu Lys Phe Met Pro Phe Phe Glu

```
  1               5                  10                  15

Tyr Gly Ser Trp Thr Pro Thr Leu Leu Leu Pro Thr Pro Pro Arg Asn
             20                  25                  30

Phe Leu Ile Cys Xaa Val Phe Phe Xaa Val Phe Xaa Asn Ser Xaa Val
         35                  40                  45

Ile Ile Leu His Asn Phe Gly Tyr
     50                  55
```

<210> 7243
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7243

```
Val Glu Phe Phe Phe Phe Phe Leu Lys Asn Xaa Leu Xaa Lys Ile Xaa
  1               5                  10                  15

Pro Asn Thr Phe
             20
```

<210> 7244
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7244
Asp Phe Xaa Ala Arg Ile Pro Leu Arg Asn Xaa Ala Ser Leu Xaa Gly
1 5 10 15

Lys Lys Xaa Glu Leu His Arg Gly Gly Gly Arg Ser Thr Thr Ser Gly
20 25 30

Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Gly Asn Leu Val Met Ala
35 40 45

Val Val Xaa Glu His Pro Ala Phe Ala Xaa Xaa Pro Pro
50 55 60

<210> 7245
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7245
Pro Leu Tyr Leu Leu His Asn Glu Leu Thr Arg Asn Asn Phe Ala Arg
1 5 10 15

Arg Ala Lys Ala Lys Thr Pro Glu Thr Arg Arg Ala Thr Leu Glu Gln
20 25 30

Leu Lys Glu His Thr Arg Leu Cys Xaa Lys Ile Val Gly Lys Ile Tyr
35 40 45

Arg Leu Lys Arg Gln Thr Tyr Arg Ala Trp
50 55

<210> 7246
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO__0122920A2 I >

<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7246
Phe Tyr Arg Xaa Ile Ser Asp Ser Met Ile Phe Ser Xaa Val Ile Val
1 5 10 15

Arg Xaa Met Cys Asn Val Xaa Ile Glu Thr Glu Xaa Tyr Lys Gly Gln
20 25 30

Val Thr Cys Gln Cys Asp Met Xaa Arg His Ile Tyr Xaa Xaa Thr Trp
35 40 45

Met Phe Leu Asn Leu Tyr Tyr
50 55

<210> 7247
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7247
Phe Phe Phe Phe Leu Xaa Xaa Phe Pro Leu Lys Lys Phe Phe Pro Phe
1 5 10 15

Pro Pro Xaa Pro Pro Xaa Phe Pro Phe Leu Asn Ile Ser Lys Pro
20 25 30

<210> 7248
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7248
Thr Val Ile Leu Lys Lys Met Ser Ile Gly Ile Tyr Phe Arg Glu Asn
1 5 10 15

Ile Ser Ile Val Xaa Xaa Leu Pro Pro Pro Xaa Gly Xaa Glu Gly His
20 25 30

Xaa Leu Trp Val Leu
35

<210> 7249
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7249
Pro Leu Asn Thr Pro Gln Ser Gln Xaa Xaa Leu Leu Xaa Gln Cys Ile
1 5 10 15

```
Lys Phe Ile Tyr Phe Xaa Xaa Pro His Thr Ile Leu Gly Pro Leu Lys
             20                  25                  30

Pro Met Val Lys Leu Ala Ala Leu Glu Leu Thr Xaa Asp Gln Ile Leu
         35                  40                  45

Thr Leu Leu Leu Ser Asn Ile Xaa Asn Trp Xaa Ile Ser Phe
     50                  55                  60
```

<210> 7250
<211> 53
<212> PRT
<213> Homo sapiens

<400> 7250

```
Asn Ser Asn Leu Thr Gly His Lys Tyr Thr Phe Gly Tyr Val Tyr Leu
  1               5                  10                  15

Leu Leu Thr Lys Val Lys Arg Asn Val Leu Met His Ser Leu Asn Leu
             20                  25                  30

Lys Tyr Thr Tyr Ile Lys Phe Leu Lys Asp Ala Asn Leu Asn Pro Ile
         35                  40                  45

Leu Asn Glu Lys Val
     50
```

<210> 7251
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7251
Xaa Glu Lys Asn Pro Ser Leu Lys Lys Pro Pro Pro Lys Lys Lys Lys
1 5 10 15

Asn Cys Ser Leu Ser Pro Leu Leu Xaa Gln Lys Phe Xaa Gly Xaa Xaa
20 25 30

Phe His Leu Cys Pro Pro Asn Phe Ser Xaa Phe Leu Val
35 40 45

<210> 7252
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO __0122920A2_I_>

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7252
Phe Xaa Val Xaa Asn Xaa Phe Tyr Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa
1 5 10 15

Xaa Xaa Leu Xaa Xaa Pro Met Xaa Lys Pro Pro His Cys Thr Glu Leu
20 25 30

Xaa Pro Xaa Gly Thr Xaa Ile Ile Ile Xaa Arg Val Xaa Xaa Phe Tyr
35 40 45

Gln Xaa Asn Leu Gln Ile Asn Ser Leu Gly Leu Xaa Pro Xaa Pro Xaa
50 55 60

Pro Xaa Xaa Ile Lys Xaa Lys Lys Lys Ser Xaa Leu Leu Glu Thr
65 70 75

<210> 7253
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7253
Leu Asp Gln Lys Lys Ser Xaa Leu Phe Asp Leu Xaa Arg Xaa Asn Leu
1 5 10 15

Pro Xaa Leu Tyr Thr His Val Cys Val Ser Leu Lys Arg Xaa Val Arg
20 25 30

Leu Xaa Lys Ile Leu Ile Val Ile Asn His Val Xaa Thr Ser Cys Asn
35 40 45

Glu Leu His Asp Leu Ile Leu Ser Leu Leu Ala Xaa Thr Thr Xaa Tyr
50 55 60

Phe Ser Asn Xaa Xaa Ile Ser Pro
65 70

<210> 7254
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7254
Glu Pro His Glu Xaa Xaa Pro Pro Lys Lys Leu Xaa Asn Asn Ser Phe
1 5 10 15

Phe Xaa Lys Lys Gly Glu Ser Trp Leu Val Ala Gln Asn Tyr Phe Lys
20 25 30

Asn Ser Ala Pro Xaa Gly Lys Thr Leu Leu Trp Tyr Phe Ser Xaa Lys
35 40 45

Thr Xaa Tyr His His Xaa Leu Xaa Trp Phe Ser Gln Phe His Ser Gln
50 55 60

Gly Glu Pro Xaa Pro Ser Cys
65 70

<210> 7255
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7255
Leu Thr Tyr Leu Leu Trp Phe Pro Ile Asn Asn Cys Ser Leu Leu Ile
1 5 10 15

Ile Val His Val Phe Tyr Val Ala Ser Asn Lys Leu Arg Gln Ser Tyr
20 25 30

Thr Ser Ala Phe Gln Xaa Gly Ser Leu Phe Leu His Thr
35 40 45

<210> 7256
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7256
Lys Glu Lys Xaa Glu Thr Xaa Xaa Arg Lys Xaa Tyr Phe Gly Leu Xaa
1 5 10 15

Xaa Leu Xaa Pro Ser Lys Asp Xaa Thr Leu Asn Leu Xaa Lys Lys Lys
20 25 30

Phe Gly Xaa Xaa Leu Ile Thr Ile Ile Ile Xaa His Phe Thr Phe Xaa
35 40 45

Pro Gly Ser Leu Leu Xaa Phe Xaa Leu His Tyr Leu Pro Xaa Xaa Leu

```
     50                  55                  60

Tyr His Pro Leu Lys Lys Phe Leu Xaa Xaa Tyr Ile Phe Ile Leu Pro
 65                  70                  75                  80

Phe Tyr Thr Lys Arg Xaa Asn Ser Gly Xaa Leu Val Gly Xaa Asn Pro
                85                  90                  95

Leu Phe Ile Pro Pro Xaa Pro Phe Trp Glu Xaa Phe Lys Gly Xaa Lys
            100                 105                 110

Gly Phe Phe Leu
        115
```

<210> 7257
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7257

```
Ile Met Gly Leu Ser Leu Pro Tyr Ile Phe Leu Leu Lys Ser Ile Leu
  1               5                  10                  15

Xaa Gln Cys Arg Leu Ile Ile Tyr Asn Leu Ile Tyr Met Asn Ser Leu
            20                  25                  30

Xaa His Pro Ser Phe Ile Leu Thr Ile Ile Val Tyr Met Xaa Xaa Ile
        35                  40                  45
```

Pro Asn
50

<210> 7258
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7258
Gly Lys Lys Glu Val Ala Pro Xaa Ser Glu Xaa Phe Ser Ile Thr Gly
1 5 10 15

Ala Ile Arg Gly Ala Gly Xaa Thr Ser
20 25

<210> 7259
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7259
Trp Ser Met Xaa Tyr Leu Gln Trp Asn Ile Gly Leu Gly Ile Phe Pro
1 5 10 15

Glu His Tyr Gln Val Ser Gly Trp Trp Glu Gly Trp Xaa Lys Pro Ile
20 25 30

Pro Leu Xaa Leu Xaa Lys Xaa Leu Val Xaa Ala Gly Leu Trp Leu Xaa
35 40 45

Leu Glu Ser Gly Leu Asn Pro Pro Tyr Xaa Gly Gly Xaa Trp Xaa Gly
50 55 60

BNSDOCID: <WO_ _ 0122920A2 1 >

Lys Asn Gln Glu Asn Phe Val Pro Phe Pro Pro Trp Gly Ser
65 70 75

<210> 7260
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7260
Gln Asn Pro Ser Cys Xaa Ser Xaa His Leu Leu Xaa His Phe Asp His
1 5 10 15

Leu Ala Ser Xaa Ala Arg His Thr Arg Xaa Arg Leu Arg Leu Ser Gln
20 25 30

Lys

<210> 7261
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7261
Xaa Arg His Ala Leu Val Gly Ala Ile Cys Asp Pro Lys Asn Ser Thr
1 5 10 15

Phe Thr Ser Val Trp Leu Ile Leu Asn His Ser Ser Leu Cys Thr Tyr
20 25 30

Ile His Thr His Thr His Ser Gly Leu Thr Gln Lys Lys Lys Xaa Ile
35 40 45

Gln Thr Leu Gln Asn Tyr Pro Ser Phe Leu Tyr Xaa Leu Cys Arg Phe
50 55 60

Met Xaa Thr Thr Cys Asn Cys His Asn Pro Xaa Gly
65 70 75

<210> 7262
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7262
Xaa Ser Asn Pro Pro Pro Pro Leu Gly Lys Xaa Ala Gly Ala Arg Arg
1 5 10 15

Gly Trp Thr Xaa Leu Xaa Leu Thr Gly Xaa Ser Xaa Gly Leu Ala Arg
20 25 30

Leu

<210> 7263
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7263
Tyr Xaa Asn Met Gly Thr Arg Thr Xaa Gly Lys Gln Ile Xaa Thr Glu
1 5 10 15

Xaa Ser Xaa Pro Xaa Ser Xaa Phe Leu Ser Xaa Ser Leu Ile Xaa Xaa
20 25 30

Phe Ile Ile Xaa Xaa Ile Pro Xaa Val Leu Ser Met Leu Ile Xaa Xaa
35 40 45

Ser Trp Ser Leu Thr Pro Pro Xaa Ile Lys Ser Phe Gly Ile Ile Tyr
50 55 60

Asn Leu Leu Pro Xaa Phe Tyr Ser
65 70

<210> 7264
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7264
Leu Glu Ala Asp Gly Ala Val Xaa Asn Ser Cys Arg Ala Leu Lys Gly
1 5 10 15

Glu Xaa Ala Asp Leu Gln Xaa Glu Gly Lys Xaa Leu Xaa Leu Xaa Gly
20 25 30

Pro Cys Xaa Phe Leu Pro Pro Phe Pro Gln Pro Tyr Ser Cys Pro Pro
35 40 45

Leu Lys Phe His
50

<210> 7265

<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7265

Pro	Gly	Leu	Lys	Ile	Thr	Ile	Asn	Lys	Xaa	Thr	Ala	Xaa	Lys	Leu	Arg
1				5				10					15		

Leu	Cys	Xaa	Ile	Thr	Ser	Xaa	Xaa	Xaa	Leu	Pro	Leu	Asp	His	Thr	Xaa
		20					25					30			

Xaa	Xaa	Trp	Ile	Ala	Lys	Xaa	Asp	Cys	Pro	Leu	Tyr	Asn	Gly	Gly	Xaa
	35					40					45				

Ile	Xaa	Leu	Xaa	Xaa	Leu	Asn	Asp	Gln	Glu	Gln	Phe	Cys	Gln	Asn	Val
	50					55					60				

<210> 7266
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7266
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Ala Val Leu Gly Lys
20 25 30

Thr Gln Xaa Pro Xaa Xaa
35

<210> 7267
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7267
Pro Ser Thr Lys Pro Ser Cys Phe Gly Ala Asn Trp His Leu Xaa Pro
1 5 10 15

Phe Gly Gly Ser Asp Lys Gln Ile Lys Leu Gln Leu Ala Val Gln Asp
20 25 30

Ser Ala Arg Cys Leu His Leu Leu Leu Val Glu Ser Lys Pro Cys Ala
35 40 45

Pro Phe Gln Ser Lys Ile Lys Gly Thr Gly Ile Phe Leu Glu Lys Lys
50 55 60

Xaa Ile

<210> 7268
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7268
Phe Leu Asn Leu Thr Leu Arg Xaa Lys Met Glu Leu Xaa Ala Val Xaa

```
  1               5                  10                  15

Asp Ala Leu Gln Leu Val Asp Pro Pro Gly Cys Arg Xaa Xaa Gly Thr
             20                  25                  30

Arg Leu Phe Cys Ala Pro Val Leu His His Xaa Ser Met Ser Gln Val
         35                  40                  45

Ile Met Phe Phe Cys Thr Arg Xaa Leu Gly Met Gln Arg Xaa Leu Glu
     50                  55                  60

Leu Thr
 65
```

<210> 7269
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7269

```
Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr
  1               5                  10                  15

Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Leu Asp Trp Glu Asn Ser
             20                  25                  30

Cys Leu Xaa Asp Pro Xaa Asn His His Met Xaa Ile Pro Ile Xaa Thr
         35                  40                  45
```

<210> 7270
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7270
Tyr Xaa Xaa Xaa Thr Leu Cys Gly Leu Cys Leu Gln Ser Ser Arg Lys
1 5 10 15

Xaa Lys Val Arg
20

<210> 7271
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7271

```
Leu Val Val Lys Tyr Ser Asp Ile Arg His Ser Pro Arg His Val Leu
  1               5                  10                  15

His Thr Cys Thr His Thr Met Ser His Arg Gly His Thr Val Phe Arg
            20                  25                  30

Ile Val Thr Ile Xaa Arg Xaa Ser Leu Leu Trp Tyr Met Leu Lys Tyr
        35                  40                  45

Leu Leu Phe Trp Ala Lys Ala Pro Arg Gln Xaa Leu Leu Ile Met Val
    50                  55                  60
```

BNSDOCID: <WO_ _ 0122920A2_I_>

```
Ala Gly Lys Arg Gly Xaa Glu Lys Arg Pro Gly Gln Val Lys Thr Xaa
 65                  70                  75                  80

Phe Xaa Gln Xaa Leu Asn Ser Cys Leu Gln Xaa Trp Ala Glu Lys Gly
                 85                  90                  95

Arg Lys Xaa Ser Phe
            100
```

<210> 7272
<211> 26
<212> PRT
<213> Homo sapiens

<400> 7272

```
Asn Lys Leu Ile Val Asn Ile Leu Pro Lys Arg Ile Ser Ile Arg Tyr
  1               5                  10                  15

Ile Asn Leu Leu Met Asp Ser Gln Thr Met
             20                  25
```

<210> 7273
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7273

```
Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile
  1               5                  10                  15

Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr
             20                  25                  30
```

Gly Xaa Pro Xaa Xaa
35

<210> 7274
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7274
Leu Thr Cys Ser Glu Thr Gly Ala Ala Ser Leu Leu Arg Ala Gly Pro
1 5 10 15

Gly Ser Ser Ser Phe Arg Thr Glu Arg Leu Phe Gln Phe Gly Ser Leu
20 25 30

Glu Lys Glu Lys Xaa His Phe Xaa Lys Phe Pro Asn Glu Thr Lys Lys
35 40 45

Pro Pro Pro Phe Ser Xaa Pro Cys Ser Thr Ala His Xaa
50 55 60

<210> 7275
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7275
Ala His Gly Ile Lys Gln Thr Ser Xaa Tyr Ile Pro Xaa Tyr Pro Arg
1 5 10 15

Ile Phe Leu Lys Leu Met Cys Leu Ser His Ala Phe Asn His Phe Xaa
20 25 30

His Leu Lys Thr Xaa Xaa
35

<210> 7276
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7276
Ala Ala Arg Ala Ala Arg Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg
1 5 10 15

Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile His Trp Pro Ser
20 25 30

Phe Tyr Asn Val Val Thr Gly Xaa Pro Lys Xaa
35 40

<210> 7277
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7277
Xaa Phe Leu Ile Leu Leu Leu Leu Ala Pro Ser Val Xaa Ile Asn Tyr
1 5 10 15

BNSDOCID: <WO__ 0122920A2_I_>

Ile Phe Leu His Gln Ile Phe Tyr Thr Ile Arg Phe Phe Asp Xaa Lys
20 25 30

Ile Ile Phe Ser Phe Thr Leu Leu Ile Ser Glu Gly His Lys Ile Lys
35 40 45

Tyr Phe Leu Val His Asp Xaa Xaa Ser Leu Leu Xaa
50 55 60

<210> 7278
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7278
Leu Asn Asn Ile Lys Ser His Val Lys Gly Pro Phe Ala Ser Val Pro
1 5 10 15

Phe Thr Gln Tyr Ile Thr Phe Ser Phe Gln Gln Lys Lys Leu Xaa Gly
20 25 30

Ile Leu Lys Gly Gln Lys Asn Ser Leu Lys Xaa Asp Ser Lys Gln Xaa
35 40 45

Asp Lys Thr Xaa Ile Trp Arg Lys Met Leu Lys Ser Ser Asp Trp Lys
50 55 60

Phe Xaa Thr
65

<210> 7279
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7279
Thr Cys Xaa Ser Lys Xaa Gly Pro Xaa Lys Asn Xaa Arg Leu Asn Leu

1 5 10 15

Tyr Arg Gly Xaa Gly Arg Phe Lys Ile Xaa Gly Ser Pro Gly Xaa Lys
20 25 30

Glu

<210> 7280
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7280
Lys Gly Lys Leu Asn Ile Ala Lys Lys Lys Lys Gly Phe Lys Xaa Gly
1 5 10 15

Ala Xaa Gly Xaa Pro Phe Xaa Ser
20

<210> 7281
<211> 40
<212> PRT
<213> Homo sapiens

<400> 7281
His Val Ser Ser Phe Arg Lys Gln Leu Tyr Cys His Thr Ile Val Gly

1 5 10 15

Arg Lys Thr Phe Ile Trp Asn Ile His Tyr Cys Lys Phe Val Gln Ile
20 25 30

Ile Tyr Leu Pro Pro Val Phe Ala
35 40

<210> 7282
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7282
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Gln Xaa Xaa Xaa
35

<210> 7283
<211> 37
<212> PRT
<213> Homo sapiens

<400> 7283
Thr Val Pro Pro Cys Leu Pro Ala Phe Ala Glu Leu Glu Leu Ser Leu
1 5 10 15

BNSDOCID: <WO_ 0122920A2 I_>

Ser Ala Cys Ser Thr Tyr Thr Leu Pro Val His Trp Leu Ser Asn Arg
20 25 30

Phe Lys Glu Arg Ser
35

<210> 7284
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7284
Ala Ser Phe Phe Phe Phe Phe Phe Leu Asn Leu Xaa Asp Xaa Phe Phe
1 5 10 15

Xaa Xaa Phe

<210> 7285
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7285
Trp Ile Ser Ser Leu Val Leu Asn Glu Gly Gln Val Trp Leu Ala Val
1 5 10 15

Xaa Arg His Ser Phe His Gly Gly Arg Leu Ala Ala Asn Arg Gln Ala
20 25 30

Gly Pro Lys His Ser Gly Leu Leu Lys Ala Gly Gly Val His Xaa Asp
35 40 45

Ser Cys Trp Arg Ala Val Glu Leu Phe Pro Gly Ile Arg Phe Gly Phe
50 55 60

Ser Gly Thr Ile Pro Xaa
65 70

<210> 7286
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7286

Val	Ser	Ile	Lys	Asn	Gly	Phe	Leu	Leu	Ser	Ala	Pro	Met	Xaa	Gly	Ser
1				5				10					15		

Val	Cys	Gly	Val	Thr	Ser	Gln	Cys	Arg	Ser	Phe	Ser	Trp	Ser	Pro	Asp
		20					25					30			

Cys	Ser	Leu	Ile	Pro	Asp	Gln	Gly	Leu	Val	Xaa	Phe	Lys	Asn	Ser	Ser
		35					40					45			

Met	Ala	Xaa	Asn	Ala	Trp	Leu	Val	Gln	Xaa	Glu	Cys	Phe	Phe	His	Lys
	50					55					60				

Xaa	Ser	Ser	Ser	Pro	Val	Phe	Thr	His	Xaa	Xaa	Ile	Pro	His	Ser	Phe
65					70				75						80

Pro	Thr	Lys	Ser	Thr	Pro	Xaa	Gly	Cys	Cys	Leu	Pro	Tyr	Phe	Pro	Asn
				85					90					95	

Phe Pro

<210> 7287
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7287
Leu Tyr Leu Leu Lys His Val His Leu His Ile Phe Thr Gly Leu Leu
1 5 10 15

Thr Val His Phe Xaa Ser Ser Arg Lys Trp His Gln Xaa Gly Ser Thr
20 25 30

Lys Asn Met Ile Thr Lys Asn Ile Ile Ile Ile Pro Phe Xaa Lys Thr
35 40 45

Xaa Xaa Pro Arg Leu Pro Asn Phe Xaa
50 55

<210> 7288
<211> 41
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO...0122920A2 I >

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7288
Leu Val Ser Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser
1 5 10 15

Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn
20 25 30

Pro Ser Xaa Xaa Phe Phe Ser Xaa Ala
35 40

<210> 7289
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7289
Cys Glu Ala Ser Trp Xaa Leu Cys Xaa Gly Lys Trp Tyr Gln Xaa Thr
1 5 10 15

Ala Trp Pro Pro Xaa
20

<210> 7290
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7290
Glu Asn Thr Glu Cys Val His Gln Ile Leu Ser Ala Ala Val Xaa Phe
1 5 10 15

Cys Leu Leu Phe Xaa Leu Ser Ser Asp Val Thr Phe Ile Lys Asp Asn
20 25 30

Pro Leu Arg Thr Leu Phe Tyr Phe Leu Thr Asn Gln Asn Val Val Phe
35 40 45

Lys

<210> 7291
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7291
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Xaa Thr Gly Lys Pro
20 25 30

Xaa Xaa

<210> 7292
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7292
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Xaa Xaa Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Phe Val Thr Gly Thr Pro
20 25 30

Lys Xaa

BNSDOCID: <WO__0122920A2_I_>

<210> 7293
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7293
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Xaa Xaa Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
20 25 30

Xaa Xaa

<210> 7294
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7294
Val Ile Xaa Ser Leu Lys Ser Thr Phe Lys Ala Phe Gln Ile Lys Lys
1 5 10 15

Ser Asn Leu Thr Asn Cys Ser Leu Leu Ile Ser Xaa Asn Glu Ile Met
20 25 30

Asn Val Leu Ala
35

<210> 7295
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7295
Ala Ser Leu Glu Phe Phe Phe Phe Phe Phe Lys Xaa Xaa Xaa Xaa Asn
1 5 10 15

Xaa Asn

<210> 7296
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7296
Arg Lys Trp Ala Ala Trp Ile Ser His His Pro Met Ser Ala Ala Ala
1 5 10 15

Gln Val Ser Leu Thr Val Ser Trp Val Cys Gly Gly Asp Trp Gly Val
20 25 30

Arg Lys Gly Trp Xaa Gly Xaa Leu Lys Arg Lys Gln Leu Gln Pro Glu
35 40 45

Ala Gln Thr Gly Cys Arg Val Thr Pro Ser Ser His Leu Glu Ser Trp
50 55 60

Thr Pro Pro Thr Leu Ile His Pro Val Pro Gln Pro
65 70 75

<210> 7297
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2_I >

<400> 7297
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Gln Xaa Xaa
35

<210> 7298
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7298

Lys Asn Pro Lys Pro Leu Pro Val Val Leu Tyr Tyr Asn Cys Leu Asn
1 5 10 15

Trp Gly Xaa Xaa Thr Pro Pro Cys Phe Pro Phe Xaa Pro Gln Ile Xaa
20 25 30

Xaa Leu His Phe Leu Leu Gly Ser Gln Phe Xaa Lys Ile Pro His Xaa
35 40 45

Lys Phe Xaa His Trp Ala Pro Xaa Xaa Xaa Lys Thr Pro Ile Ser His
50 55 60

Ser Leu Glu Gly Leu Glu Lys Thr Xaa Gly Lys Phe Leu Glu Xaa Asn
65 70 75 80

BNSDOCID: <WO 0122920A2 I_>

Pro Phe Phe Xaa

<210> 7299
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7299
Ile Cys Ala Arg Phe Val Lys Ile Thr Leu Phe Leu Lys Leu Phe Xaa
1 5 10 15

Gln Val Ser Leu Pro His Ala Tyr Xaa Pro Lys Xaa Leu Gly Ile Lys
20 25 30

Gly Leu Thr Thr Ala Pro Gly Gln Ile Pro Val Pro Phe Pro Lys Lys
35 40 45

Thr Pro Asn Leu Thr Leu Glu Leu Ile Gln Phe Xaa Pro Xaa Phe Ile
50 55 60

Leu Lys Leu Xaa
65

<210> 7300
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7300
Trp Ile Ile Glu Phe Tyr Leu Xaa Lys Glu Lys Leu His Glu Lys His
1 5 10 15

Ile Ser Lys Phe Lys Asn Lys Glu Ser Lys Ser Thr Ser Thr Ser Thr
20 25 30

Cys Leu Ile Ile Pro Thr Phe His Leu Ile Ser Ile Tyr Ile
35 40 45

<210> 7301
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7301

Pro His Thr Arg Ala Leu Thr Glu Xaa Met Pro Arg His Leu Cys Pro
1 5 10 15

Val Ser Phe Ile Pro Xaa Xaa Val Cys Leu Lys Ile Phe Pro Gln Pro
20 25 30

Glu Ser Phe Pro Asn His Leu Xaa Lys Lys Xaa Tyr Ala Ser Leu Xaa
35 40 45

Thr Leu Leu Arg Thr Gln Leu Leu Leu Leu Lys Ala Ser Ala Thr Ser
50 55 60

Xaa Xaa Pro Pro Lys Leu Lys Xaa Ser Ala Phe Ser Gly Gly Pro Gly
65 70 75 80

Xaa

<210> 7302
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)

BNSDOCID: <WO___0122920A2_I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7302
Gln Tyr Val Thr Gly Ala Pro Phe Val Ser Ile His Lys Glu Leu Leu
1 5 10 15

Xaa Leu Cys Tyr Ser Xaa Thr Met Xaa Met Phe His Ser Leu Thr Ser
20 25 30

Pro Val Pro Xaa Xaa Trp Ile Pro Tyr Xaa Tyr Cys Xaa Gln Val Leu
35 40 45

Gln Ser Val Thr Cys Val Ile Ser Xaa Phe Xaa Ser Cys Cys Xaa Phe
50 55 60

Ile Tyr Xaa Ile Asn Xaa Pro Lys Ile Asn Trp Cys Val Xaa Xaa Val

BNSDOCID: <WO__0122920A2_I_>

65 70 75 80

Xaa Val Phe Gly Tyr Pro Gln Lys Lys Xaa Gly Gln Xaa Pro Pro Val
85 90 95

Lys Xaa Xaa Phe Xaa Phe Gly Thr Pro Xaa Xaa Phe Lys Xaa Phe Xaa
100 105 110

Xaa Xaa Phe
115

<210> 7303
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7303
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Xaa Val Thr Gly Lys Thr
20 25 30

Gln Xaa Xaa Xaa
35

<210> 7304

<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7304
Ser Ser Phe Leu Xaa Xaa Xaa Ile Tyr Lys Trp Asp Xaa Met Thr Gly
1 5 10 15

Tyr Xaa Gln Xaa Xaa Asn Xaa Xaa Xaa Gly Thr Xaa His Ile Cys Asn
20 25 30

Pro Lys Trp Ala Ala Leu Lys Xaa Ser Phe Ala Val Lys Ser Gln Cys
35 40 45

Pro His Xaa Lys Xaa Ser Ser Gly Leu Gln Leu Ile Tyr Ser Cys Pro
50 55 60

65 70 75 80

Pro Xaa Gly Val Xaa Xaa Pro Ser Lys His Lys Gly Pro Ala Leu Ile
85 90 95

Asn Leu Glu Val Gly Asn
100

<210> 7306
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7306
Gly Pro Gly Arg Phe Pro Ile Leu Gly Arg Lys Lys Lys Asn Xaa Trp
1 5 10 15

Xaa Pro Phe Lys Lys Thr Xaa Ser Leu Lys Lys Lys Asn Phe Xaa Xaa
20 25 30

Gly Lys

<210> 7307
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7307
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Gln Xaa

<210> 7308
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)

Xaa Cys Ser Ser Leu Ala Pro Leu Asn Val Leu His Lys Xaa Gly Xaa
65 70 75 80

Trp Ala

<210> 7305
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7305
Asp Lys Ile Leu Phe Ile Gly Pro Xaa Ile Tyr Trp Leu Trp Gly Leu
1 5 10 15

Val Xaa Xaa Leu Arg Glu Arg Pro Thr Leu Lys His Xaa Pro Met Cys
20 25 30

Trp Asp Val His Arg Met Xaa Ser Xaa Pro Arg Xaa Leu Ser Tyr Leu
35 40 45

Gly Xaa Xaa Lys Pro Pro Leu Trp Ala His Leu Val His Phe Xaa Asn
50 55 60

Pro Leu Xaa Pro Xaa Lys Gly Phe Phe Pro Arg Phe Pro Lys Gly Pro

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7308

Xaa Thr Xaa Leu Thr Ser Ser Pro Cys Trp Pro Leu Glu Gly Ser Val
1 5 10 15

Lys Arg Lys Gly Lys Pro Ser Leu Leu Glu Leu Pro Phe Gly Ile Pro
20 25 30

Pro Arg Leu Asn Phe Xaa Thr Pro Cys Phe Ile Xaa Xaa Ile Thr Pro
35 40 45

Xaa Pro Ile Xaa Xaa Asn Pro Asn Phe Glu Pro Phe Ile Cys His Gln
50 55 60

Lys Lys Pro Phe Phe Tyr Leu Pro Thr Ile Ser Gln Xaa Pro Arg Phe
65 70 75 80

Glu Thr Ser Xaa Ile Pro Asn Leu Gln Leu Ser Leu His Arg Xaa Ile
85 90 95

Phe Pro Asn Leu Leu Cys
100

<210> 7309
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7309
Gly Gln Xaa Xaa Arg Ile Pro Gly Cys Ala Ile Pro Xaa Cys Xaa Gly
1 5 10 15

Leu Leu Gly Xaa Ser Tyr Phe
20

<210> 7310
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7310
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Xaa Pro Ile Val Ser Xaa
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Gln Asn Xaa Xaa Xaa
35

<210> 7311
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7311
Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile
1 5 10 15

Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Xaa Val Thr
20 25 30

Gly Lys Thr Xaa Gly Xaa
35

<210> 7312
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO 0122920A2 I >

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7312
Val Ile Gln Leu Ser Asp Gly Ser Xaa Val Xaa Thr Leu Ser Asp Glu
1 5 10 15

Asp Ser Xaa Tyr Arg Cys Xaa Gly Tyr Asn Val Arg Leu Leu Ala Leu
20 25 30

Glu Ile Ala His Gly Leu Ser Ser Ser Leu Gln Ser Xaa Xaa Leu Val
35 40 45

Asp Gln Lys Cys Xaa Ser Asp Ile Glu Xaa Xaa Lys
50 55 60

<210> 7313
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7313
Xaa Thr Gly Leu Met Xaa Asn Ser Asn Val Arg Leu Thr Glu Thr Asp
1 5 10 15

Pro Pro Gly Ile Tyr Pro Asp Phe Lys Arg Xaa Pro Xaa Pro Xaa Xaa
20 25 30

Asn Xaa Xaa Ile Trp Leu Ser Xaa Xaa Pro Xaa Gln Tyr Trp Ile Trp

BNSDOCID: <WO_ _ 0122920A2 I_>

35 40 45

Xaa Ser Pro Asn Pro Thr Xaa Ile Met Ala Xaa Thr Xaa Ala Val Gly
50 55 60

Ile Xaa Ile Gly Gly Pro Xaa Xaa Leu Phe Xaa Xaa Ile Pro Gly Ser
65 70 75 80

Xaa Ala Lys Phe Pro Trp Gly Trp Gly Asn Gln Xaa Pro Cys Cys Leu
85 90 95

Lys Asn

<210> 7314
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2 I >>

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7314

```
Thr Ser Xaa Xaa Glu Met Leu Ala Glu Met Lys Gly Cys Cys Gln Cys
  1               5                  10                  15

Asn Ala His Gly Gly Ala Leu Gln Val Ser Ala Xaa Pro Xaa Pro Ala
             20                  25                  30

Ser Pro Ala Leu Leu Ser Gln Ala Xaa Xaa Arg Arg Gly Thr Leu Xaa
         35                  40                  45

Thr Pro Ser Leu Gly Ser Xaa Xaa Ile Gly His Lys Ser Leu Xaa Cys
     50                  55                  60

Xaa Gly Xaa Ala Gln Val His Ile Xaa Glu His Leu Xaa Met Xaa Leu
 65                  70                  75                  80

Gly Glu Pro Ser Ala Gln Pro Thr Ser Gly Lys Asn Lys Phe Trp Gly
                 85                  90                  95

His Gly Ala Pro Lys Lys Thr Xaa Ile Glu Tyr Phe Cys Leu Phe Xaa
            100                 105                 110

Ser Ala Xaa His Xaa Lys Leu Pro Xaa Glu Asn Phe Leu Gln Thr
        115                 120                 125
```

<210> 7315
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7315
Ser Val Asp Ser Lys Gly Thr Phe Cys Leu Phe Gln Leu Lys Leu Lys
1 5 10 15

Leu Gln Phe Lys Met Lys Ser Val Ser Phe Phe Leu Tyr Phe Ser Ala
20 25 30

Lys Gln Asp Ala Thr Leu Xaa Leu Pro Pro Leu Thr Ile Asn Arg Xaa
35 40 45

His Ser Gly Leu Lys Ala Ala Pro Pro Phe Asn Leu Xaa Ile Trp Gln
50 55 60

Thr Xaa Ser Leu Glu Xaa Asn Ser Ala Xaa Ile Phe Phe Leu Asn
65 70 75

<210> 7316
<211> 45
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7316
Ser Ser Ser His Leu Ser Gln Leu Asn Asn Val Thr Pro Pro Pro Leu
1 5 10 15

Pro Leu Lys Ile Cys Leu Leu Tyr Phe Tyr Leu Arg Phe Lys Ser Gly
20 25 30

Phe Phe Tyr Glu Ser Leu Val Xaa Ser Ser Xaa Leu Tyr
35 40 45

<210> 7317
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7317
Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile
1 5 10 15

Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr
20 25 30

Gly Lys Thr Xaa Xaa Xaa
35

<210> 7318
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7318
Gly Thr Arg Val Cys Phe Phe Phe Lys Xaa Gly Leu Xaa Phe Xaa Gly
1 5 10 15

Xaa Arg Xaa

<210> 7319
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7319
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Asn Pro
20 25 30

Xaa Xaa Xaa
35

<210> 7320
<211> 51
<212> PRT
<213> Homo sapiens

<400> 7320
Ala Lys Met Arg Ile Thr Ile Pro Asn Val Lys Pro Gly Leu Glu Thr
1 5 10 15

Ala Val Leu Ala Gln Phe Ser Ile Ser Ser Gln Cys Tyr Asn Leu Ile
20 25 30

Pro Ser Leu Val Arg Lys Leu Asn Lys Met Asp Ser Leu Arg Phe Pro
35 40 45

Val Arg Ile
50

<210> 7321
<211> 51
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7321
Lys Xaa Val Met Glu Thr Phe His Met Lys Pro Ser Leu Thr Glu Ile
1 5 10 15

Thr Leu Leu Leu Asn Asn Ser Xaa Asn Phe His Leu Gln Ser Val Trp
20 25 30

Asn Phe Met Xaa Val Xaa Glu Ser His Leu Xaa Gln Cys Leu Ile Thr
35 40 45

Ser Leu Pro
50

<210> 7322
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ 0122920A2 I >

<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7322
Lys Val Tyr Lys Arg Trp Xaa Leu His Arg Gly Pro Arg Lys Asn Leu
1 5 10 15

Glu Leu Met Asp Pro Pro Gly Cys Arg Xaa Phe Gly Thr Xaa Gly Thr
20 25 30

Asn Ala Xaa Phe Ile Xaa
35

<210> 7323
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7323
Asn Tyr Trp Ile Pro Arg Ala Ala Xaa Asn Ser Val Arg Xaa Glu Lys
1 5 10 15

Xaa Asn Pro Met Arg Val Thr Ser His Pro Thr Asn Ser Val Ser Thr
20 25 30

Phe Cys Val Gly Glu Xaa
35

<210> 7324
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7324
Pro Leu Glu Pro Ala Gln Ala Lys Trp Thr Leu His Trp Ser Asp Thr
1 5 10 15

Cys Cys Phe Gln Ala Cys Pro Ser Asn Leu Pro His Val Leu Cys Leu

20 25 30

Leu Phe Ser Leu Pro Arg Ser Val Thr Ile Val Glu Thr Pro Gly Xaa
35 40 45

Gln Trp Xaa Ile Gly Xaa His Pro Trp Xaa Glu Thr Gly Phe Pro Asp
50 55 60

Xaa Lys His His Gly
65

<210> 7325
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7325
Leu Xaa Arg Val Leu Leu Asn Lys Gly Asn Lys Arg Pro Ser Ser Thr
1 5 10 15

Xaa Gly Gly Xaa Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu
20 25 30

Ser Gly Thr Ser Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr
35 40 45

Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp
50 55 60

Trp Glu Asn Pro Lys Xaa Xaa Xaa Phe Phe Val
65 70 75

<210> 7326
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7326
Tyr Xaa Xaa Val Asp Pro Pro Leu Asn His Xaa Pro Xaa Leu Ser Leu
1 5 10 15

Thr Lys Arg Lys Pro Ser Pro His Ser Leu Asn Leu Ile His His Ser
20 25 30

Arg Gln Xaa Arg Trp Ile Lys Pro Xaa Pro Ala Thr Gln Asn Leu Xaa
35 40 45

Ile Leu Leu Asn Xaa Pro His Xaa Met Asn Asn Ser Ser Ser Thr Val
50 55 60

Gln Thr
65

<210> 7327
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7327
Gly Lys Ile Pro Asp Tyr Val Ala Leu His Val Arg Asp Pro Lys Glu
1 5 10 15

Thr Arg Leu Ser Thr Gly Arg Val Pro Glu Xaa Asn Leu Val Ser Arg
20 25 30

Pro Gln Ile Asp Phe Asp Gly Xaa Asp Phe Xaa Xaa
35 40

<210> 7328
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7328
Ala Ala Xaa Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
20 25 30

Xaa Val Xaa Xaa Phe Ser

35

<210> 7329
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7329
Asp Xaa Thr His Ser Asp Arg Cys Cys Xaa Val Pro Xaa Asn His Xaa
1 5 10 15

His Cys

<210> 7330
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7330
Phe Gly Leu Ser His Leu Pro Pro Leu His Cys Arg Leu Cys Thr Lys
1 5 10 15

Pro Arg Tyr Leu Leu Leu Ser Glu Pro Cys Cys Phe Tyr Ile Pro Cys
20 25 30

Met Cys Thr Cys Cys Ile Tyr Cys Leu Leu Cys Lys Leu Leu Pro Ser
35 40 45

Phe Pro Arg Ala Phe Arg Gly Leu Thr Leu Cys Phe Ser Leu Pro Xaa
50 55 60

Thr Leu Val Thr Pro Phe Cys Val Ser Ile Thr Phe Thr Val Val Leu
65 70 75 80

Cys Tyr Ser Tyr Leu His Val Cys Pro Ile Leu Xaa Glu Leu Ser Ala
85 90 95

Thr

<210> 7331
<211> 40
<212> PRT
<213> Homo sapiens

<400> 7331
Thr Val Leu Met Glu Tyr Gly Leu Ile Tyr Ile Leu Leu Ser Trp Thr
1 5 10 15

Asn Thr Ile Cys Phe Trp Leu His Ser Thr Asn Arg Thr Trp Gln Asp
20 25 30

Lys Phe Met Val Arg Val Gly Trp
35 40

<210> 7332
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7332
Leu His Gln Arg Gly Leu Ser Leu Xaa Gly Thr Ser Gly Ser Pro Gly
1 5 10 15

Leu Gln Glu Xaa Arg Thr Ser Glu Ser Xaa Ile Leu Leu Ile Xaa Xaa
20 25 30

Leu

<210> 7333
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7333
Gly Gly Ser Ala Ser Leu Ser Ser Ser His Lys Lys Gly Thr Lys Gly
1 5 10 15

Pro Ala Pro Pro Thr Val Ala Xaa Ala Leu Glu Leu Val Asp Pro Pro
20 25 30

Gly Cys Arg Asn Pro Ala Arg Val Xaa Pro Xaa Xaa Xaa
35 40 45

<210> 7334
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7334
Ser Pro Ala Xaa Gln Met Xaa Ser Ser Xaa Pro Leu Tyr Phe Ser Gly
1 5 10 15

Val Xaa Leu Val Lys Arg Ile Cys Xaa Gly Glu Glu Leu Leu Ala Xaa
20 25 30

Leu His Leu
35

<210> 7335
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _ 0122920A2_I_>

<400> 7335
Xaa Lys Ser Asp Gly His Leu Xaa Ala Xaa Asp Lys Asp Xaa Thr Xaa
1 5 10 15

Pro

<210> 7336
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7336
Lys Thr Xaa Trp Phe Cys Leu Val Ser Xaa Ile Glu Phe Val Cys Gly
1 5 10 15

Phe Lys Phe Xaa Xaa Asn Phe Tyr Phe Tyr Leu Phe Pro Phe Ile Tyr
20 25 30

Xaa Cys Leu Phe Cys Tyr Phe Cys Xaa Val Phe Leu Xaa Pro Leu Xaa
35 40 45

<210> 7337
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7337
Val Trp Gly His Pro Xaa Lys Asn Lys Xaa Pro Gly Ala His Trp Val
1 5 10 15

Asn Ser Leu Tyr Glu Lys
20

<210> 7338
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7338
Ala Arg Ala Glu Phe Gly Thr Arg Gly Ala Arg Tyr Pro Ile Arg Pro
1 5 10 15

Ile Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val
20 25 30

Thr Gly Asn Pro Lys Xaa
35

<210> 7339
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7339
Leu Ser Lys His Thr Ile Tyr Met Thr Leu Ile Leu Ile Thr Arg Ser
1 5 10 15

Asn Gln Xaa Asp Asn Glu Ile Pro Ile Ile Lys Phe Gly Glu Lys Xaa
20 25 30

Ser Lys Ile Tyr Gln Asn Ile Cys Pro Pro Xaa Arg Cys Ile Ser Ser
35 40 45

Leu

<210> 7340
<211> 18
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7340
Lys Asn Glu Val Thr Asp Xaa Leu Lys Lys Lys Lys Lys Ile Pro
1 5 10 15

Xaa Leu

<210> 7341
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7341
Phe Pro Ile Gly Pro Phe Phe Phe Ser Cys Lys Thr Val Leu Leu Leu
1 5 10 15

Ile Lys Ile Ile Leu Glu Tyr Cys Gln Cys Val Asp Asn Ile His Leu
20 25 30

Leu Leu Leu Thr Ala Tyr Ser Ser Val Lys Leu Leu Lys Val Leu Asn
35 40 45

Ile Met Lys His Leu Val Lys Asn Trp Xaa Gly Ser Asn Xaa His Gly
50 55 60

Arg Asn Pro Arg Thr Leu Gln Ile Pro Pro Leu Ile Leu Asn Ser Lys
65 70 75 80

BNSDOCID: <WO_ 0122920A2 I >

Ile Ser Ile Ile Leu Asp Trp Ala
85

<210> 7342
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7342
Asn Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Xaa Ser
1 5 10 15

Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn
20 25 30

Pro Lys Xaa
35

<210> 7343
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7343
Trp Leu Lys Thr Pro Leu Gly Leu Xaa Gln Ile Thr Val Phe Asn Met
1 5 10 15

Thr Xaa Leu Arg Leu Tyr Asn Leu Asn Pro Ile Ser Leu Leu Leu Ser
20 25 30

Gln Leu Ser Glu Thr Leu Asn Xaa Thr Ile Leu Cys Xaa Ala Lys Asn
35 40 45

Ser Phe Leu Phe Xaa Arg Asn
50 55

<210> 7344
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7344
Ser Xaa Val Ile Cys Ile Leu Ile Asn Xaa Gln His Thr Val Arg Ser
1 5 10 15

Thr Leu Xaa Tyr Tyr Ile Glu Val Leu Leu Phe Ala Tyr Leu Leu Ile
20 25 30

Phe Ser Thr Gln Ser Gly Ser His Phe Val Phe Cys
35 40

<210> 7345
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7345

Arg Thr Gln Val Xaa Ala Gln Gln Glu Ala Thr Asp Leu Trp Asp Pro
1 5 10 15

Gly Pro Gly Val Phe Ala Gly Leu Thr Pro Ala Ser Leu Xaa Phe Gln
20 25 30

Leu Phe Leu Ser Lys Val Glu Xaa Thr Phe Xaa Cys Ile Cys Cys Xaa
35 40 45

Asp Trp Cys Ser Gly Pro Ser Arg Pro Cys Cys Xaa His Asn Xaa Xaa
50 55 60

Gln Xaa Xaa Pro Gly Xaa Ile Leu Ser Gly Xaa Val Phe Thr Ala Leu
65 70 75 80

Pro Ala Leu Gln Leu Gly Xaa Thr Met Pro Ala Xaa
85 90

BNSDOCID: <WO__ 0122920A2 !_>

<210> 7346
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7346
Thr Leu Lys Met Ile Leu Glu Xaa Val Phe Tyr Val Phe Lys Xaa Arg
1 5 10 15

Tyr Ile Ser Phe Leu Tyr Ala Val Asn Xaa Ser His Val Tyr Val Ser
20 25 30

Tyr Val Ser Leu Cys Gly Asn Ser Leu Asn Tyr Tyr Ile Ser Ser Leu
35 40 45

Xaa Ile Leu Ser Ser Phe Arg Gly Thr Gly His Ile Tyr Met Lys Asn
50 55 60

Arg Asn Xaa Thr Thr Asn Lys Arg Glu Ile Thr Arg
65 70 75

<210> 7347

<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7347
Leu Val Pro Asn Ser Ala Arg Gly Phe Thr Leu Leu Thr Lys Arg Leu

```
  1               5                  10                  15

Asn Arg Leu Phe Ile Asn Arg Pro His His Ser Xaa Xaa Leu Asn Leu
            20                  25                  30

Trp Ala Xaa Asn His Ser Arg Leu Thr Leu Ser Thr Pro Gln Xaa Gly
        35                  40                  45

Gly Pro Ser Gln Ile Ile Ser Xaa Phe Lys Ser Xaa Ala Leu Pro Phe
    50                  55                  60

Pro Phe Asn Xaa Gln Xaa Pro Gly Gly Xaa Lys Arg Gly Pro Leu Ile
65                  70                  75                  80
```

<210> 7348
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7348

```
Val Gln Xaa His Phe Thr Xaa Gln Ser Tyr Gly Xaa Thr His Pro Leu
  1               5                  10                  15

Ile Ile Leu Val Xaa
            20
```

<210> 7349
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7349
Gln Ser Glu Val Lys Lys Ser Val Cys Val Val Val Xaa Ala Trp Ile
1 5 10 15

Gly Val Pro Ser Cys Leu Gly Xaa Tyr Thr Tyr Ala Ser Phe Leu Leu
20 25 30

Phe Ile Phe Cys Leu His Ser Ser Glu Phe Thr Tyr Phe Leu Lys Ile
35 40 45

Ser Lys Leu Leu Phe Arg Xaa Ile Ser Arg His Trp Gly Arg Leu
50 55 60

<210> 7350
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2_I_ >

<400> 7350
Cys Xaa Thr Tyr Val Tyr Pro Leu Leu Lys Phe Pro Pro Ala Leu Ile
1 5 10 15

Ser Met Phe Gln Cys Gln Xaa Ser Tyr Asn Ser Lys Cys Ser Pro Lys
20 25 30

Gly Gly Ser
35

<210> 7351
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7351
Gly Leu Lys Lys Pro Lys Thr Ser His Glu Val Asn Tyr Xaa Lys Gly
1 5 10 15

Phe Pro Trp Asp Xaa Lys Ile Arg Val Lys Thr Val Gly Gln Gln Tyr
20 25 30

Phe Pro Xaa Xaa Gln Asn Xaa Ser Tyr Xaa Lys Lys Leu Xaa Ile Xaa
35 40 45

Tyr Met Asn Gln Thr Xaa Thr Pro Phe Pro Ile Leu Leu Lys Ile Xaa
50 55 60

Ser Ser Ile Lys Asn
65

<210> 7352
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7352
Lys His Gln Leu Phe Cys Phe Phe Xaa Pro Tyr Lys Leu Xaa Xaa Xaa
1 5 10 15

Xaa Glu Xaa Trp Val Val Val Met Val Xaa Thr Ile Thr Gly Tyr Phe
20 25 30

Ala Ala Thr Val Arg Xaa Glu Lys Xaa Gln Arg Ile Leu Leu Ser Cys
35 40 45

Xaa Ile Trp Gly Ile Thr Lys Trp Lys Thr Ala Ile
50 55 60

<210> 7353
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7353
Ala Xaa Pro Gly Gly Xaa Arg Asn Gln Phe Arg Pro Ile Xaa Ile Pro
1 5 10 15

Ile Thr

<210> 7354
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7354
Ala Ala Xaa Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Lys Xaa

<210> 7355
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7355
Met Leu Pro Leu Xaa Ile Ile Thr Cys Leu Thr Leu Asn Lys Phe Tyr
1 5 10 15

Arg Ile Phe Ser Arg Thr Phe Ala Asn Thr Gly Asp Ser Gln Lys Gln
20 25 30

Cys Trp Glu Leu Phe Ser Asn Phe Pro Phe Glu Asn Leu Gln Lys Phe
35 40 45

<210> 7356
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7356
Xaa Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu
20 25 30

Ser Lys Ile Asn Leu Ser Ser Leu

35 40

<210> 7357
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7357
Val Glu Ala Thr Asn Leu Pro Ser Leu Val Ile Ala Gly Cys Pro Lys
1 5 10 15

Xaa Asn Leu Xaa Ser Thr Leu Asn Leu Pro Thr Glu Pro Ser Lys Ser
20 25 30

Leu Val Asn Leu Thr Val Ser Pro Lys Glu Glu Gln Leu Phe Gly Pro
35 40 45

Xaa Lys Lys Pro Cys
50

<210> 7358
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7358
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Xaa Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Gln Xaa

<210> 7359
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7359
Leu Leu Ile Pro Gly Ala Gly Leu Ser Leu Leu Pro Ile Ser Gln Pro
1 5 10 15

Cys Glu Ser Val Leu Ala Ser Thr Asp Thr Ala Asp Pro Glu Leu Asn
20 25 30

Val Pro Lys Trp Arg Ser Gln Ser Arg Leu Phe Xaa Asn Trp Ala Lys
35 40 45

Thr Leu Lys Trp Gly Gln Ser Gly Leu Pro Gln Trp Ser Asn Thr Gly
50 55 60

Phe Leu Leu Asn Val Ser Lys Thr Cys Pro
65 70

<210> 7360
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)

BNSDOCID: <WO___0122920A2 I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7360

Glu Ile Ile Val Val Leu Val Trp Trp His Lys Phe Phe Ser Leu His
1 5 10 15

Phe Val Tyr Ala Asp Cys Leu Xaa Xaa Leu His Pro Phe Leu Phe Phe
20 25 30

Pro Glu Xaa Xaa Lys Ser Gln Phe Cys Leu Leu Asp Ala Leu Lys Lys
35 40 45

BNSDOCID: <WO___0122920A2_I_>

Ile Arg Arg Glu Arg Lys Asn Gln Thr Asp Cys Xaa Tyr Phe Xaa Glu
50 55 60

Xaa Asp Asn Phe Gly Xaa Xaa Cys Gln Ala Pro Ser Trp
65 70 75

<210> 7361
<211> 33
<212> PRT
<213> Homo sapiens

<400> 7361
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
20 25 30

Lys

<210> 7362
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7362
Asn Asn Met Asn Cys Met Pro Thr Val Tyr Gln Thr Trp His Trp Ala
1 5 10 15

Pro Cys Cys Cys Arg Phe Ser Glu Pro Trp Pro Leu Tyr His Gly Pro
20 25 30

Asp His Val Phe Ser Gly Arg Leu Asn Lys Leu Xaa Ile Glu Gln Ile
35 40 45

Thr Thr Ser Ser Xaa Asp Ile Lys Xaa Lys Tyr Ser Phe Asp Xaa Ile
50 55 60

Glu Gln Trp Glu Val
65

<210> 7363
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)

BNSDOCID: <WO__0122920A2_I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7363

Tyr Arg Xaa Phe Ala Phe Ile Asn Tyr Ile Trp Pro Leu Leu Thr Tyr
1 5 10 15

Leu Lys Leu Cys Xaa Asn Xaa Phe Phe Phe Xaa Xaa Val Cys Trp Glu
20 25 30

Lys Lys Phe Phe Pro Phe Leu Lys Lys Asn Gln Thr Thr Xaa Xaa Xaa
35 40 45

Xaa Val Ser Trp Glu Ser Pro Xaa Gly Xaa Lys Xaa Ile Pro Gly Leu
50 55 60

Glu Ser Pro Pro Ile Leu Phe Ser Trp Ala Leu Phe Tyr
65 70 75

<210> 7364

<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7364

Xaa Pro Phe Leu Leu Leu Thr Xaa Xaa Leu Lys Trp Gly Gly Gly Leu
1 5 10 15

Xaa Pro Lys Asn Xaa Thr Phe Phe Pro Arg Gly Glu Lys Thr Ser Arg
20 25 30

Gly Ala Leu Gly Gly Xaa Pro Pro Pro Leu Lys Asn Pro Leu Xaa Gln
35 40 45

Asn Pro Leu Leu Phe Pro Gln Asn Gly Ser Xaa Xaa Phe Xaa Xaa Xaa
50 55 60

Gly His Pro Pro Asn Leu Asn Asp Phe Xaa Phe Xaa Ile Xaa Xaa Arg
65 70 75 80

Gly Xaa Gln Ser Asn Trp Xaa Phe Xaa Lys Ala Lys Gly Asn Leu Pro
85 90 95

Pro Xaa Phe Gly
100

<210> 7365
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7365

Lys Gly Phe Glu Leu Phe Val Glu Xaa Lys Asn Gln Xaa Xaa Lys Lys
1 5 10 15

Xaa Gly Ser Phe Xaa Lys Lys Lys Leu Leu Gly Ala Trp Xaa Thr Xaa
20 25 30

Pro Xaa Lys Lys Xaa Xaa Lys Lys Xaa Leu Glu Phe Xaa Phe Pro Lys
35 40 45

Lys Leu Gly Xaa Ile Phe Phe Xaa Xaa Lys Asn Ser Pro Xaa Lys Ile
50 55 60

Pro Phe Pro Pro Phe Trp Gly Glu Xaa Xaa Xaa Xaa Xaa Lys Xaa Xaa
65 70 75 80

Pro Pro Pro Pro Phe Xaa Ile Trp Lys Asn Phe Gly Pro Pro Phe Phe
85 90 95

Glu Xaa Phe Leu Lys Lys Ile Phe Phe Gly Glu Lys Xaa Pro Pro Lys
100 105 110

Xaa Pro Pro Xaa Asn Phe Xaa Lys Asn Ser
115 120

<210> 7366

<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7366
Leu Ser Thr Phe Ser Leu Leu Phe Glu Val Leu Phe Gln Pro Ser Phe
1 5 10 15

Leu Lys Leu Phe Xaa Ser Thr Leu Ser Phe Ser Xaa Phe Ile Thr Tyr
20 25 30

Pro Phe Ser Leu Glu Leu Glu Leu His Tyr Leu Phe Tyr Tyr Phe Thr
35 40 45

Arg Leu
50

<210> 7367
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7367
Ala Ala Arg Xaa Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg

1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Asn Pro
20 25 30

Lys Xaa Xaa
35

<210> 7368
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7368
Ser His Ser Gly Ser Ser Ser His Xaa Leu Asp Leu Cys Val Tyr Glu
1 5 10 15

Tyr Ile Lys Ile Arg Ala Leu Xaa Arg Xaa Val Leu Val Xaa Asn Gly
20 25 30

Tyr Ser Ser Val Val Gln Arg Tyr Thr Lys Cys Xaa Phe Leu Tyr Lys
35 40 45

Val Lys Ile Leu Gly Gly Tyr Lys Lys Ile Thr Leu Asn Xaa Leu Thr
50 55 60

Leu Xaa Gly Phe Asp Ile Xaa Phe Ser Xaa Trp Asn Pro
65 70 75

<210> 7369
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7369
Ser Gly Thr Val Ser Val Cys Thr Xaa Xaa Thr Lys Glu Thr Cys Leu
1 5 10 15

Arg Thr Phe Gly Phe Gly Trp Lys Leu Phe Ile Phe Cys Leu Ile Glu
20 25 30

Pro Asn Leu Leu Ser Gly Thr Ala His Xaa Val Asn Lys Xaa Val Xaa
35 40 45

Lys Asp Gly Thr Gly His Gly Lys Leu Lys Lys Ser Phe Leu Ser Leu
50 55 60

Thr Phe Val Arg Leu Asn His Leu Thr Tyr Xaa Ser Glu Ser
65 70 75

<210> 7370
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7370

```
Met Xaa Ala Cys Gly Phe Xaa Xaa Asn Trp Gln Gln Cys Gln Ile Pro
  1               5                  10                  15

Arg Ser Trp Ala Leu Phe Lys Ser Xaa Leu Asn Arg Gly Leu Thr Glu
             20                  25                  30

Ser Lys Xaa Ser Xaa Leu Arg Cys Thr Lys His Thr Xaa Thr Thr Xaa
         35                  40                  45

Trp Phe Ser Phe Asp Ala Gln His Xaa His Glu Xaa Thr Trp Lys Cys
     50                  55                  60

Pro Phe Lys
 65
```

<210> 7371
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7371

Ser	Phe	Tyr	Ile	Arg	Ile	Arg	Lys	Cys	Lys	Leu	Val	Ser	Xaa	Ser	Leu
1				5				10					15		

Cys	Xaa	Leu	Leu	Asn	Pro	Thr	Val	Xaa	Met	Thr	Asp	Lys	Phe	Ser	Pro
			20					25					30		

Ser Pro Ala Xaa Cys Xaa Gln Val Arg Xaa Xaa Pro Lys Ser Pro Pro
35 40 45

Phe Trp Asn Phe Lys Leu Gly Gly Ser Gln Asn Thr Xaa Gly Ser Tyr
50 55 60

Phe
65

<210> 7372
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7372
Gly His Val Phe Ser Phe Glu Leu Phe Ser Phe Ser Val Gly Gly Lys
1 5 10 15

Ile Ser His Glu Lys Gln Lys Val Thr Leu Pro Ser Leu Met Pro Gly
20 25 30

Ser Xaa Asp Glu Lys Glu Ile Leu Gly Lys Asp Gln Phe Pro Leu Phe
35 40 45

Gln Leu Ser Ile Thr Glu Phe Val Phe Gly Lys Trp Ala Phe Leu Lys
50 55 60

Ser Cys Ser Val Phe Gln Gln Gly Gln Glu Val Xaa Cys Leu Leu Cys
65 70 75 80

Tyr Leu Lys Xaa Ser Val Arg Gly Val Pro Xaa Gly Ser Arg Lys Xaa
85 90 95

Ser Ser Phe Cys
100

<210> 7373
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7373
Gly Thr Ser Val Val Val Tyr Xaa Arg Cys Xaa Leu Met Leu Asn Ser
1 5 10 15

Xaa Tyr Ser Xaa Arg Glu Xaa His Lys Phe Xaa Val Lys Xaa Pro Ser
20 25 30

Tyr Cys Gly Phe Phe Leu Leu Leu Xaa Asn Met Xaa Glu Ile Lys Ile
35 40 45

Thr His Val Leu Gly Pro Leu Lys Pro Tyr Ile Ala Thr Val His Xaa
50 55 60

Ser Asn Xaa Xaa Arg Gly Asp Xaa Gly Xaa Tyr Val Xaa Thr Tyr Xaa
65 70 75 80

Ser Xaa Phe Lys Phe Tyr Leu Leu Arg Lys Xaa Phe Pro Gln Ser Ala
85 90 95

<210> 7374
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2 I_>

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7374
Ile Glu Phe Tyr Xaa Tyr Phe Gly Glu Lys Ile Ile Phe Cys Xaa Pro
1 5 10 15

Lys Xaa Ile Phe Ser Tyr Ser Phe Arg Lys Phe Glu Ile Leu Xaa Xaa
20 25 30

Phe Arg Ala Phe Asn Trp Asn Leu Xaa Pro Lys Leu Lys Pro Phe Thr
35 40 45

Leu Lys Pro Pro Ile Phe Phe Phe Xaa Pro Leu
50 55

<210> 7375
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7375
Ala Xaa Arg Xaa Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Xaa Xaa
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Lys Thr Xaa Gly Ile Xaa
35

<210> 7376
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7376
Xaa Lys Glu Ile Thr Xaa Thr Xaa Arg Asn Ser Pro Leu Pro Tyr Pro
1 5 10 15

Ser Xaa Gly Ser Ser Ile Ser Gly Ser Ile Thr Asn Ser Trp Phe Xaa
20 25 30

Leu Thr Asn Pro His His Phe Leu Ser Phe Pro Xaa Xaa Leu Pro Pro
35 40 45

Xaa Thr Pro Ser Ile
50

<210> 7377
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7377
Leu Leu Tyr Phe Pro Val Xaa Ser Ala Gly Xaa Xaa Xaa Leu Leu Ser
1 5 10 15

Asp Arg Asn Leu Tyr Lys Xaa Phe Phe Asp Pro Val Gly Arg Arg Tyr
20 25 30

Pro Phe

<210> 7378
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7378
Gly Leu Leu Xaa Tyr Xaa Asn Glu Thr Leu Val Xaa Thr Lys Tyr Asp
1 5 10 15

Phe Xaa Lys Val Leu Phe Tyr Lys Thr Xaa
20 25

<210> 7379
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO_ _0122920A2 I >>

<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7379

Lys Asn Phe Phe Phe Phe Phe Xaa Lys Ser Pro Phe Xaa Phe Phe Xaa
1 5 10 15

Ile Xaa Xaa Phe Leu Lys Ile Gly Pro Xaa Xaa Phe Xaa Phe Lys Xaa
20 25 30

Phe Leu Lys Lys Lys Asn Phe Asn Cys Phe Xaa Xaa Lys Ile Xaa Pro
35 40 45

Pro Phe Lys Xaa Phe Ser Pro Xaa Arg Phe Phe Pro Xaa Xaa Phe Xaa
50 55 60

Lys Lys Ile Phe Phe Phe Lys Lys Phe Xaa Phe Phe Gly Gly Phe Phe
65 70 75 80

Xaa Phe Xaa Pro Ser Leu Ser Pro Asn Phe Xaa Phe Asn Pro Xaa Phe
85 90 95

Phe Pro Pro Lys Ile Ser Pro Ser Pro Phe Pro Gln Lys Phe Pro Pro
100 105 110

<210> 7380
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7380
Pro Trp Asp Arg Asp Val Gln Leu Ser Lys Ala Leu Ser Tyr Ala Leu
1 5 10 15

Arg His Gly Ala Leu Asn Trp Gly Phe Pro Trp Xaa Leu Val Pro Xaa
20 25 30

Leu Glu Leu Met Pro Leu Xaa Thr Pro Xaa Ala Leu Pro Pro Xaa Leu
35 40 45

Xaa His Gly Thr Phe Trp Asn Thr Gly His Pro Ser Tyr Ser Xaa Ala
50 55 60

Cys Pro Ala Arg Glu Gly Pro Thr Phe Xaa Leu Xaa Xaa Glu Xaa Pro
65 70 75 80

Gly Lys Pro

<210> 7381
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7381
Arg His Glu Val Thr Ser Leu Glu Phe Phe Phe Phe Phe Leu Xaa Leu
1 5 10 15

Asn Xaa Phe Xaa
20

<210> 7382
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7382
Val Gln Met Asp Ser Ile Tyr Val Val Leu Asn Asn Asn Leu Gly Cys
1 5 10 15

Leu Gln Thr Leu Gln Phe Ile Ile Phe Pro Tyr Lys Gln Asp Gly Leu
20 25 30

Gly Phe Ser Ser Ser Thr Xaa Ser Ile Xaa Pro Thr Xaa Phe Xaa Tyr
35 40 45

Ser Trp Ser Lys Lys Ile Thr Cys Phe Phe Phe Phe Lys Trp Ala Arg
50 55 60

Asn Xaa Phe Phe Phe
65

<210> 7383
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7383
Ile Arg Gly Ser Leu Ala Leu Glu Tyr Xaa Xaa Leu Xaa Lys Glu Met

1 5 10 15

Arg Leu Gly Thr Leu Met Ser Gln Asn Leu Phe Ala Gln Xaa Leu Gly
20 25 30

Arg Thr Ala Leu Leu Thr Leu Gly Cys Thr Thr Trp Leu Lys Phe Ser
35 40 45

Pro Pro Thr Ser Leu Glu Cys Pro Pro Xaa Ser Pro Xaa
50 55 60

<210> 7384
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7384
Val Pro Phe Pro Xaa Gly Glu Ile Pro Pro Leu Leu Lys Phe Arg Asn
1 5 10 15

Lys Lys Lys Xaa Xaa Arg Ser Lys
20

<210> 7385
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO 0122920A2_I_>

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7385
Leu Leu Xaa Val Leu Val Asn Gln Xaa Thr Xaa Leu Leu Asn Gln Xaa
1 5 10 15

Phe Lys Asn Leu Asn Gly Lys Phe Leu Asp Leu Asn Leu Gly Ser Lys
20 25 30

Phe Gly Xaa Pro Phe Pro Xaa Gln Val Ser
35 40

<210> 7386
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7386
Glu Pro His Pro Trp Asn Ala Thr Pro Leu Leu Thr Phe Ser Asn Glu
1 5 10 15

BNSDOCID: <WO__0122920A2 I >

Leu Arg Xaa Leu Lys Gly Arg Asp Tyr Glu Leu Leu Ile Phe Val Ser
20 25 30

Pro Ser Arg Ala Gln Leu Cys Cys Gly Trp Asp Pro Ser Gln
35 40 45

<210> 7387
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7387
Val Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser
1 5 10 15

Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Xaa Xaa Asp Trp Glu Asn
20 25 30

Xaa Xaa

<210> 7388
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7388
Arg Xaa Xaa Gly Gly Gly Arg Ser Ile Leu Met Asp Arg Pro Gly Trp
1 5 10 15

Met Asn Ala Ala Arg Ala Thr Xaa Leu Pro Xaa Ala Leu Val Gln Thr
20 25 30

Ile Tyr Pro Asn Lys Val
35

<210> 7389
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7389
Xaa Phe Gln Ala Ser His Asn Phe Xaa Ile Asn Xaa Xaa Asp Arg Thr
1 5 10 15

Gln Glu Lys Thr Asn Xaa Leu His Gly Gly Ser Asn Phe Pro Phe Ser
20 25 30

Arg Pro Xaa Leu Lys Xaa Asn Pro Leu Pro Pro Arg Phe Pro Phe Xaa
35 40 45

Leu Pro Lys Phe
50

<210> 7390
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7390
Gly Asn Gly Asp Gly His Pro Cys Arg Cys His Asp Ala Arg Gly Asp
1 5 10 15

Lys Gly His Xaa Xaa Xaa Pro Xaa Trp
20 25

<210> 7391
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7391
Ser Glu Ala Ser Ala Gly Xaa Asn Xaa Leu Asn Phe Ser Gly Phe Pro
1 5 10 15

Gly Cys Arg Asn Ser Ala Arg Gly Pro Pro Gly Pro Pro Xaa Phe Phe
20 25 30

<210> 7392
<211> 176
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (157)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7392
Arg Ser Gln Pro His His Xaa Xaa Gly Arg Ser Thr Leu Asn Gly Ser
1 5 10 15

Pro Xaa Leu His Glu Phe Xaa Thr Ser Leu Cys Ile Ala Ser Gln Gly
20 25 30

Ser Pro Arg Lys Met Ala Glu Leu His Gly Gln Gly Val Leu Thr Pro
35 40 45

Pro Gln Met Gly Arg Val His Ser Pro Xaa Asp Leu His Ala Gly Arg
50 55 60

Pro Pro Ala Ala Asp Leu Pro Pro Arg Pro Met Leu His Met Val Gly
65 70 75 80

Gln Ser Xaa Trp Leu Val Glu Cys Phe Arg Gly Cys Val Tyr Xaa Arg

85 90 95

Gly Val Met Cys Glu His His Ser Xaa Lys Arg Gly Leu Leu Lys Gly
100 105 110

Lys Trp Gly Leu Xaa Val Asn Leu Ala Asp Gly Gly Arg Thr Xaa Xaa
115 120 125

Arg Xaa Leu Gly Leu Ser Pro Arg Thr Tyr Ile Leu Leu Pro Ser Leu
130 135 140

Val Ile Ser Pro Ser Leu Pro Pro Arg Gly Ser Cys Xaa Xaa Ile Trp
145 150 155 160

Pro Cys Ser Trp Ala Ser Thr Met Xaa Val Tyr Ile Gly Leu Gly Lys
165 170 175

<210> 7393
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7393
Arg Ser Ser Gly Leu Leu Pro Gly Lys Ile Ser Gln Arg Glu Cys Ala
1 5 10 15

Ser Ala Thr Ser Pro Arg Pro Pro Pro Thr Pro Gly Ser Val Val Leu
20 25 30

Ser Leu Pro Gly Pro Ala Ala Arg Pro Pro Arg Ala Pro Ala Val Pro
35 40 45

Leu Ser Leu Ser Pro Asn Leu Ala Leu Pro Gln Thr Cys Pro Val Pro
50 55 60

Val Gly Ser Ser Pro Xaa Gly Asn Trp Leu Trp Asp Arg Met Xaa Phe
65 70 75 80

Xaa Ala Ala Ala Asn Leu Gly Pro Gly Leu Ser
85 90

<210> 7394
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I >

<400> 7394
Ala Leu Ser Arg His Arg His Val Pro Ala Ser Leu Glu Xaa Glu Pro
1 5 10 15

Arg His Ser Leu Xaa Asp Xaa Asn Phe Gly Xaa Phe Pro Ser Arg Pro
20 25 30

Ser Leu Arg Leu Leu Pro His Glu Ala Ile Ser Gly Asp Gly Arg Leu
35 40 45

Gly Gln Arg Gln Val Asn Arg Val Pro Gln Ala Pro Phe Pro His Thr
50 55 60

Lys Xaa Ala Asp Cys Glu Leu Thr Gly Leu Arg Pro Asn Arg Ser Leu
65 70 75 80

Ser Ser Ser Cys Leu Leu Xaa Thr Ser Gly Pro Ile Leu Ile Pro Xaa
85 90 95

Trp Pro Asn Leu Ala Phe Leu Gly Phe Ala Arg Cys Leu Val Cys
100 105 110

<210> 7395
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7395

Cys	Ala	Cys	Cys	Xaa	Val	Asn	Xaa	Xaa	Gly	Xaa	Ile	Trp	Xaa	Lys	Tyr
1				5					10					15	

Pro	Xaa	Ile	Leu	Xaa	Xaa	Ser	Ile	Lys	His	Ala	Cys	Asp	Ser	Tyr	Xaa
			20					25					30		

Leu Lys Val Ile Leu Ser Ser Xaa Xaa Ile Ser Gly Xaa Tyr Xaa Leu
35 40 45

Ser Leu Ile Cys Leu Asn Ile
50 55

<210> 7396
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7396
Leu Leu Ile Xaa Asp Ser Leu Pro Phe Val Leu Asn Lys Ser Xaa Ile
1 5 10 15

Asn Glu Cys

<210> 7397
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO _ 0122920A2 I >

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7397
Leu Thr Asn Gln Gly Phe Xaa Arg Lys Ile Leu Xaa Ser Lys Cys Xaa
1 5 10 15

Ser Ser Pro Gly Leu Tyr Ile His His Leu Leu Asp Ile His Ser Xaa
20 25 30

Val Lys Asn Thr Gly Ile Ile Ile Leu Ile Ser Thr Xaa Xaa
35 40 45

<210> 7398
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7398
Ala Ala Arg Xaa Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Asn Pro
20 25 30

Lys Xaa

<210> 7399
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7399
Asn Ile Leu Phe Gly Glu Xaa Gly Ile Tyr Pro Pro Trp Leu Asn Xaa
1 5 10 15

Xaa Phe Leu Xaa Arg Phe Ser Trp Lys Xaa Leu Gly Gly Gly Asn Phe
20 25 30

Trp Gly Ser Arg Trp Arg Glu Pro Gly
35 40

<210> 7400
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7400
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
1 5 10 15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
20 25 30

Gln Xaa Xaa
35

<210> 7401
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7401
Asp Trp Phe Gly Cys Phe Lys Ile Asp Ile Val Val Gln Cys Val Leu
1 5 10 15

His Gly Gly Xaa Arg Xaa
20

<210> 7402
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7402
Xaa Ala Trp Ala Lys Cys Val Ile Tyr Arg Ser Gly Ala Arg Ala Glu
1 5 10 15

Ser Gly Pro Arg Thr Asp Pro Leu Ser Glu Leu Gly Leu His Gln Gly
20 25 30

Phe Gly Ser Gly Leu Asn Val Xaa Leu Ala Ser Ser Cys Arg Ser Thr
35 40 45

Gly Arg Leu Leu Ser Gln Gln Leu Arg Thr Pro Arg Thr Ser Glu Ala
50 55 60

Cys Ala Ile Ile Xaa Glu Leu
65 70

<210> 7403
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7403
Xaa Xaa Leu Pro Trp Glu Xaa Ser Gly Thr Thr Gly Cys Glu Leu Xaa
1 5 10 15

Arg Gly Gly Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu
20 25 30

Phe Gly Thr Arg Pro Xaa Met Xaa Gly Gln
35 40

<210> 7404
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7404
Trp Xaa Tyr Gly Asp Leu Pro Ala Xaa Asn Phe Ser Lys Phe Gly Xaa
1 5 10 15

Xaa Gly Leu Glu Xaa His Xaa Arg Cys Ala Ala Ala Leu Xaa Thr Ser
20 25 30

<210> 7405
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7405
Xaa Gly Phe Leu Xaa Xaa Met Xaa Lys Ile Arg Glu Xaa Xaa Leu Glu
1 5 10 15

Xaa His Arg Arg Cys Ala Xaa Ala Leu Glu Leu Val Asp Pro Pro Gly
20 25 30

<210> 7406
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7406
Glu Gln Gly Xaa Xaa Ser Ser Thr Ala Val Ser Gly Arg Ser Arg Thr
1 5 10 15

Ser Gly Ser Pro Gly Leu Gln Xaa Gln Thr His Ser Thr Leu Leu Pro
20 25 30

Asp

<210> 7407
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 I >

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7407
Xaa Xaa Xaa Trp Asn Ser Thr Xaa Val Ser Gly Arg Ser Arg Thr Ser
1 5 10 15

Gly Ser Pro Gly Leu Gln Glu Phe Glu His Glu Glu Ala Phe Ser Cys
20 25 30

Phe Lys Met Xaa Leu Xaa Ile Ser Phe Pro Ala Thr Gly Cys Gln Xaa
35 40 45

Leu Ile Glu Xaa
50

<210> 7408
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7408
Ser Xaa Leu Ile Xaa Leu Arg Ala Xaa Ser Lys Arg Leu Leu Ile Ala
1 5 10 15

Ile Asn Ser Asn Leu Lys Ile Met Ala Thr Tyr Tyr Phe Glu Lys Phe

20 25 30

Val Glu Trp Cys Val Leu
35

<210> 7409
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7409
Ala Trp Phe Leu Ala Leu Thr Ala Lys Xaa Gly Lys Ile Gly Trp Ser
1 5 10 15

Ser Thr Xaa Val Ala Ser Arg Ser Ser Thr Ser Gly Ser Pro Gly Leu
20 25 30

Xaa Xaa Phe Gly Thr
35

<210> 7410
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO_ 0122920A2_I_>

<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7410

Leu	Trp	Met	Pro	Leu	Ile	Lys	Gly	Glu	Ser	Ala	Xaa	Glu	Leu	Pro	Ala
1				5				10					15		
Pro	Pro	Gly	Val	Thr	Ala	Val	Gly	Leu	Gly	Leu	Cys	Cys	Lys	Pro	Tyr
			20					25					30		
Ile	Leu	Pro	Cys	Ser	Gly	Lys	Cys	Leu	Ala	Leu	Ser	Leu	Leu	Thr	Ser
		35					40					45			
Gly	Xaa	Pro	Val	Ile	Xaa	Thr	Xaa	Arg	Xaa	Xaa	Arg	Xaa	Val	Gly	Xaa
	50					55					60				
Met	Pro	Xaa	Phe	Leu	Ala	Asp	Ser	Xaa	Leu	Ile	Ser	Val	Val	Leu	Lys
65					70					75					80
Lys	Asn	Leu	Met	Phe	Leu	Val	Val	Xaa	Phe	Trp	Gly	Gly	Xaa	Gly	Gly
			85					90					95		
Gln	Lys	His	Gly	Gly	Ser	Ser	Glu	Leu	Xaa	Arg	Asn	Val	Ser	Xaa	Ile
		100					105					110			

<210> 7411
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2 I >

<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7411
Ala Arg Ala Glu Phe Xaa Thr Asn Xaa Thr Phe Thr Gly Xaa His Ile
1 5 10 15

Ile Ser Ile Gln Gly Xaa Ile Glu
20

<210> 7412
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7412
Ile Leu Lys Ile Arg Xaa Thr Xaa Pro Ala Xaa Pro Pro Arg Cys Xaa
1 5 10 15

Ala Ala Leu Gly Ile Ser Gly
20

<210> 7413
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7413
Pro His Ser Ala Gln Cys Gly Val Glu Ala Thr Xaa Xaa Xaa Ser Pro
1 5 10 15

Xaa Pro Arg Asn Thr Xaa Asn Thr Leu Val Leu Ala Lys Ser Ser
20 25 30

<210> 7414
<211> 45

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7414
Tyr Ser Ala Leu Pro Ala Xaa Xaa Arg Glu Ser Trp Xaa Xaa Cys Arg
1 5 10 15

Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala His Ala Ser
20 25 30

Val Ile Val Arg Trp Ala Asn Leu Leu Val Leu Xaa Ile
35 40 45

<210> 7415
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7415
Pro Xaa Asn Asn Gly Phe Xaa His Met Ile Lys Lys Lys Lys Pro Phe
1 5 10 15

Thr Asn Xaa

<210> 7416
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7416
Arg Leu Cys Glu Leu Tyr Arg Gln Asp Leu Arg Ile Ala Ser Pro Pro
1 5 10 15

Asn Glu Val Leu Thr Leu Ala Trp Val Leu Lys Arg Pro Asp Xaa Phe
20 25 30

Leu Leu Leu Pro Glu Ser Met Gly Leu Gly Leu Pro His Val Trp Gly

35 40 45

Ala Xaa Ala Xaa Trp Glu Xaa Lys Lys
50 55

<210> 7417
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7417
Leu Arg Xaa Pro Ile Arg Lys Ala Gly Thr Pro Ala Arg Thr Gly Pro
1 5 10 15

Val Ile Xaa Gly Ser Xaa Gln Ala Ser Ala His Xaa Gly Arg Lys Glu
20 25 30

Asn Pro Xaa Ile Xaa Glu Glu Thr Glu Ser
35 40

<210> 7418
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7418
Pro Arg Val Arg Ile Tyr Val Xaa Leu Xaa Val Xaa Xaa Xaa Thr Leu
1 5 10 15

Xaa Xaa Pro Xaa Asn Val Leu Asp Xaa Asn Thr Gln Ser Xaa Asp Ser
20 25 30

His Ser Xaa Lys Ser Leu Val Xaa Pro Tyr Asn Trp Val Phe Trp
35 40 45

<210> 7419
<211> 44
<212> PRT
<213> Homo sapiens

<400> 7419
Ala His Phe Cys Ser Lys Thr Asn Ser Ile Lys Pro Leu Glu Cys Ser
1 5 10 15

Gly Phe Gln His Thr Val His Arg Gln Pro Phe Tyr Gln Lys Leu Ser
20 25 30

Val Phe Pro Met Thr Gly Phe Ser Gly Lys Val Asn
35 40

<210> 7420
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7420

Ser	Arg	Asn	Ser	Arg	Asn	Asp	Ser	Thr	Ser	Val	Phe	Phe	Phe	Lys	Lys
1				5				10						15	

Asn	Leu	Ile	Ser	Leu	Phe	Tyr	Phe	Arg	Ile	Ala	Leu	Leu	Ile	Thr	Phe
			20					25					30		

Leu	Pro	Trp	Lys	Leu	Thr	His	Ser	Leu	Xaa	Xaa	Leu	Arg	Met	His	Pro
		35					40					45			

Met	Lys	Tyr	Phe	Arg	Ile	Glu	Lys	Lys	Glu	Met	Asn	Tyr	Leu	Asn	Ser
	50					55					60				

Pro	Glu	Xaa	Leu	Cys	Leu	Leu	Val	Xaa	Xaa	Xaa	Arg	Leu	Asn	Ala	Ile
65				70					75						80

Leu Pro Leu Xaa Thr Asp Ala Leu Leu
85

<210> 7421
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7421
Pro Arg Val Arg Val His Leu Pro Phe Phe Phe Phe Phe Lys Phe Ser
1 5 10 15

Pro Ile Gln Xaa Asn Asn Xaa Xaa Xaa Xaa
20 25

<210> 7422
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7422

```
Pro Phe Tyr Lys Lys Gly Glu Lys Ser Xaa Gly Val Xaa Arg Gly Pro
  1               5                  10                  15

Pro Pro Gly Val Asn Xaa Arg Ser Arg Gly Lys Phe Pro Pro Gly Gly
             20                  25                  30

Ser Gly Asn Pro Thr Ala Gly Ser Arg Xaa Asn Ser Ile Leu Xaa Xaa
         35                  40                  45

Lys Thr Pro Asn Pro Asn Xaa Asn Pro Leu Lys Pro Xaa Gly Gly Ala
     50                  55                  60

Leu Leu Gln Ala Pro Pro Xaa Asn Trp Asn Xaa Pro Gly Xaa Glu Pro
 65                  70                  75                  80

Asn
```

<210> 7423
<211> 117
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7423

```
Val Arg Lys Gln Leu Asn Leu Cys Val Leu Leu Glu Leu Gln His Pro
  1               5                  10                  15
```

```
Phe Leu Pro Phe His Leu Cys Val His Pro Gln Leu Asn Ala Ser Val
            20                  25                  30

Thr Ser Asn Glu Ile Glu Asn Ala Ala Glu Ala Pro Gly Val Xaa Asn
        35                  40                  45

Thr Gly Lys Gly Ser Trp Ala Ser Leu Leu Val Trp Glu Arg Thr Ser
    50                  55                  60

Ser Pro Thr Leu Leu Ser Pro Ser Phe Trp Ala Ser Tyr Glu Phe Glu
65                  70                  75                  80

Ala Phe Asn Lys Leu Tyr Gln Arg Xaa Met Lys Asn Phe Gln Asn Ala
                85                  90                  95

Ile Gly Lys Gly Cys Ser Xaa Met Val Ala His Leu Lys Gly Ser Pro
            100                 105                 110

Ile Xaa Leu Val Leu
        115
```

<210> 7424
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7424
Lys Xaa Phe Leu His Xaa Xaa Leu Xaa Asp Ser Xaa Cys Xaa Xaa Gly
1 5 10 15

Asn Ser Ser Phe Lys Leu Phe Phe Pro Thr Phe Arg Leu Val Ser Pro
20 25 30

Pro Asp Pro His Arg Trp Ile Ser Glu Xaa Tyr Gln Thr Gly Glu Pro
35 40 45

Lys Lys Leu Gly Leu Thr Phe
50 55

<210> 7425
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7425
Tyr Ser Glu His Xaa Gly Glu Ser Xaa Ile Lys Val Xaa Arg Ser Xaa
1 5 10 15

Asn Ile Xaa Glu Xaa Phe Gly Glu Thr Asn Ile Pro Leu Asn Val Ser
20 25 30

Arg Thr Tyr Lys Gly Pro Arg Lys Pro Xaa Xaa Met Lys Lys Asn Lys
35 40 45

Glu Ile Gln Xaa Pro Xaa
50

<210> 7426
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7426
Asp Cys Arg Xaa Leu Ser Pro Phe Lys Lys Trp Xaa Pro Gly Pro Lys
1 5 10 15

Ser Xaa Xaa Leu Val Arg Asn Ser Arg Val Asp Pro Arg Val Xaa Ala
20 25 30

His

<210> 7427
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7427
Xaa Lys Ser Pro Leu Ile Asn Ile Gly Xaa Xaa Gly Lys Phe Leu Gly
1 5 10 15

Glu Gly Phe Ser Gly Cys Xaa Phe Leu Xaa Gly Pro Tyr Phe Leu Arg
20 25 30

Val

<210> 7428
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7428
Xaa Xaa Xaa Xaa Tyr Ala Cys Met Tyr Arg Ser Gly Ile Pro Gly Ser
1 5 10 15

Thr His Ala Ser Asp Pro Ser Xaa Leu Lys Phe Ser Cys Tyr Ile Gly
20 25 30

Ile Pro His Xaa Xaa Leu Ser Ser Ile Xaa Gly Trp Met Arg Ala Xaa
35 40 45

Ile Ser Ser Trp Val Xaa Glu Gln Ile His Gly His Thr Phe Tyr Asn
50 55 60

Asp Trp Ser Ser Val Leu Gln Ile Lys Xaa Leu Gln Ser Xaa
65 70 75

<210> 7429
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO___0122920A2 I >

<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7429

```
Gly Pro Gln Ser Pro Ala Ser Ser Val Phe Leu His Trp Pro Pro Gly
  1               5                  10                  15

Ser Pro Arg Leu Asn Arg Pro Ser Cys Glu Asn His Cys Tyr Arg Cys
             20                  25                  30

Glu Asn Gly Val Leu Gln Ser Ser Gln Arg Arg Xaa Ile Glu Lys Glu
         35                  40                  45

Thr Asp Xaa Met Xaa Asn Xaa Leu Gly Lys Glu Ser Phe His Glu His
     50                  55                  60

Phe Thr Met Leu Pro Xaa Ala Leu Lys Glu Ile Xaa Leu Xaa Leu Phe
 65                  70                  75                  80

Ser Gln Xaa Thr Leu Phe
                 85
```

<210> 7430
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7430

```
Glu Arg Met Ser Ser Phe Ser Ser Pro Leu Gly Ile Ser Arg Ala Arg
 1               5                  10                  15

Arg Gly Lys Thr Lys Thr Gly Asn Val Tyr Lys Asn Cys Ser Arg Phe
            20                  25                  30

Ala Asn Lys Lys Leu Val Lys Val Ser Lys Asn Gly Asp Trp Xaa Phe
        35                  40                  45

Pro Gly Arg Lys Asp Ala Arg Gly Leu Ile Gly Glu Lys Leu Gly Thr
    50                  55                  60

Leu Lys Pro Arg Lys Val Gln Ala Pro Ser Pro Thr Arg Xaa Ser Leu
65                  70                  75                  80

Phe Phe Ser Xaa
```

<210> 7431
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7431

```
Ile Ile Asn Asn Asn Lys Asn Lys Ala Asn Thr Leu Asp Ile Thr Leu
 1               5                  10                  15

Pro Ser Gly Ala Xaa Lys Lys Val Lys Ala Gly Ile Ser Phe Ser Tyr
            20                  25                  30

Leu Asn Leu Ser Val Leu Ser Gln Gly Ile Phe Ser Glu Asn Arg Trp
        35                  40                  45

Asn Xaa Val Arg Leu Trp Xaa Met Leu Ser Ile Ile Gly
```

50 55 60

<210> 7432
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7432
Arg Ala Lys Gly Gln Met Val Leu Pro Xaa Pro Pro Cys Xaa Cys Gly
1 5 10 15

Gly Xaa Pro Leu Ser Ala Cys Xaa Ala Leu Thr Gly Asn Xaa Leu Ala
20 25 30

Trp Asn Leu Gly Arg Gly Leu Pro Ser His Pro Cys Ser Ser Ser Pro
35 40 45

Pro Thr Xaa Asn Pro
50

<210> 7433
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7433
Pro Leu Gly Gly Gly Xaa Pro Thr Gly Pro Pro Phe Trp Ala Xaa Lys
1 5 10 15

Lys Lys Ile Xaa Asn Pro Arg Gly Gly Phe Pro Xaa Gly Gly Glu Lys
20 25 30

Ile Phe Pro Pro Pro Arg Gly Gly Gly Phe Pro Ser Lys Xaa Pro Gln
35 40 45

Thr Xaa Pro Gly Phe Pro
50

BNSDOCID: <WO_ 0122920A2 I >

<210> 7434
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7434
Ala Gly Ala Gly Ile Arg Lys Trp Glu Ala Ala Ala Pro His Pro Pro
1 5 10 15

Xaa Ser Phe Arg Pro Leu Leu Xaa Pro Lys Phe Ser Pro Xaa Arg Gly
20 25 30

Pro Phe Lys Gly Pro Ala Leu Arg Arg Arg Ala Arg Xaa Arg His Gln
35 40 45

Glu Ala Gly Trp Ala Gln Pro Ser Leu Lys Leu Ala Gly Thr Gly Arg
50 55 60

Thr Xaa Pro Ser Arg Ala Ser Xaa Arg Lys Gly Asn Arg Ser

BNSDOCID: <WO__ 0122920A2_I >

65 70 75

<210> 7435
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7435
Gly Thr Leu Arg Gln Ala Ile Pro Ala Pro Glu Ser Gln Ile Trp Xaa
1 5 10 15

Ala Glu Leu Leu Ser Xaa Leu His Cys Ser Xaa Ile Ser Xaa Ser Ser
20 25 30

Gln Ser Cys Phe Cys
35

<210> 7436
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7436
Arg Arg Cys Trp Ser Ser Asp Trp Pro Gly Lys Ile Arg Ala Leu Glu
1 5 10 15

Arg Ser Lys Glu Gln Leu Leu Ser Xaa Arg Ala Gly Gln Lys Phe Val
20 25 30

Leu Gln Ala Arg Thr Pro Glu Val Ser Asp Gly Ala Xaa Xaa Leu Arg
35 40 45

Lys Ala Gly Leu Ala Glu His Ser Gly Leu Thr Gly Ser Gly Pro Leu
50 55 60

Pro His Xaa
65

<210> 7437
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7437
Gly Val Val His Gly Xaa Xaa Gly Val Arg Thr Ala Gln Thr Xaa Leu
1 5 10 15

Xaa Val Ser Ser Xaa Xaa Xaa Phe His Arg Ser Phe Arg Xaa Val Leu
20 25 30

<210> 7438
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ _0122920A2 I >

<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7438
Asp Arg Gly Gly Asn Thr Thr Ala Leu Ile Gln Val Glu Xaa Thr Lys
1 5 10 15

Lys Arg Gln Gln Leu Val Thr Val Ala Arg Val Thr Ala Thr Lys Arg
20 25 30

Gly Cys Gly Lys Gly Gly Leu Ala Xaa Leu Leu Ala Ala Ala Ala Tyr
35 40 45

Gln Ala Ser Tyr Glu Asn Tyr Leu Leu Arg Val Ala Tyr Cys His Val
50 55 60

Xaa Asp His Glu Gly Xaa Xaa Ala Leu Arg Ser Ser Glu
65 70 75

<210> 7439
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7439
Gly Gly Pro Cys Asp Ser Asp Thr Xaa Xaa Gln Asp Ile Tyr Glu Phe
1 5 10 15

Lys Xaa Xaa Ile Thr Gln Asp Xaa Ser Trp Ser Thr Leu Arg Ser Ala
20 25 30

Val Tyr Arg
35

<210> 7440
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I_>

<400> 7440
His Tyr Val Ile Ser Ala Gln Cys Ser Glu Cys Gln Met Lys Lys Phe
1 5 10 15

Asn Glu Thr Pro Val Asn Arg Xaa Xaa Xaa Tyr Asn Pro Leu Xaa Val
20 25 30

Ser Lys

<210> 7441
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7441
Trp Pro Thr Tyr Trp Trp Phe Val Phe Asn Val Val Phe Val Val Cys
1 5 10 15

Cys Leu Val Thr Gln Gln Leu Gln Trp Leu Ala Thr Gly Val Val Tyr
20 25 30

Tyr Met Gly Pro Ala Gln Pro Xaa Pro Leu Glu Ala Thr Cys Pro Gln

35 40 45

Ser Ala Arg Xaa Phe Val Leu Val Ala Lys Xaa Asn Asn Val Asn His
50 55 60

Xaa Lys Arg Pro Cys Xaa Leu
65 70

<210> 7442
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO_ 0122920A2 I >

<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7442
Xaa Ala Gly Lys Ala Xaa Arg Ile Xaa Pro Gly Ile Leu Xaa Ser Thr
1 5 10 15

His Ala Ser Ala Gly Leu Leu Gly Trp Phe Ser Ser Ser Gly Pro Phe
20 25 30

Trp Gly Thr Xaa Xaa Pro Xaa Phe Leu Arg Cys Xaa Phe Pro His Arg
35 40 45

Phe Pro
50

<210> 7443
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7443
Asp Xaa Ala Asn Pro Asp Pro Val Ala Asn Val Tyr Pro Ile Xaa Tyr

```
  1               5                  10                  15

Pro Arg Ser Xaa Phe Ser Phe Ala Phe Ile Leu Thr Thr Ala Val Xaa
            20                  25                  30

Tyr Ser Ala Leu His Val Arg Pro Phe Phe Gly Cys Cys Val Val Trp
        35                  40                  45

Gly Ala Val Ala Val Trp Xaa Leu Val Val Ser His Gly Leu Pro Tyr
    50                  55                  60

Thr
 65
```

<210> 7444
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7444

```
Ser Val Xaa Arg Phe Thr Arg Ser Phe Ile Ser Phe Leu Arg Pro Leu
  1               5                  10                  15

Leu Cys Cys Leu Tyr Cys Cys Ile Phe Ala Lys Ala Val Leu Leu Leu
            20                  25                  30

Thr Gly Val Leu Cys Leu Leu Ala Val Thr Leu Leu Tyr Thr Ala Ala
        35                  40                  45

Leu Arg Ser Glu Cys Tyr Ala Ala Ala Asn Xaa Ser Thr Asp Ala Tyr
    50                  55                  60

Ser Thr Leu Val Leu Leu Ala Tyr Val
 65                  70
```

<210> 7445
<211> 71

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7445
Ala His Ala Thr Gly Arg Xaa Gln Leu Ala Pro Pro Arg Thr Gly Thr
1 5 10 15

Xaa Ala Pro Arg Leu Pro Thr Xaa Val Ala Asp Cys Thr Cys Leu Gly
20 25 30

Met Cys Leu Ile Ser Xaa Ala His Val Met Ala Arg Xaa Ile Ser Ser

35 40 45

Tyr His Asn Ala Ser Asp Arg Arg Phe Gly Ile Xaa Xaa Arg Arg Leu
50 55 60

Gln Xaa Ala Cys Pro Ile Met
65 70

<210> 7446
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7446
Xaa Phe Val Gly Trp Xaa Arg Trp Asp Thr Gly Xaa Ile Leu Gly Lys
1 5 10 15

Trp Leu Xaa Thr Phe Leu Ser Arg Ser Tyr Leu Ala His His Val Xaa
20 25 30

Leu Asn Gly
35

<210> 7447
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7447
Gln Leu Gln Ala Arg Glu Asp Gly Arg Leu Pro Val Gln Gly Ala Asn
1 5 10 15

Cys Cys Tyr Tyr Val Asn Glu Arg Trp Asn Gly Arg Gln Arg Lys Lys
20 25 30

Arg His Xaa Asn Thr Thr Asp Ile Glu Trp Leu Glu Pro Phe Ala Glu
35 40 45

Arg Gly Pro Gly Gly Arg Ala Ala Ala Gln Cys Glu Gln Pro Ile Met
50 55 60

Lys Lys Thr Thr Thr Thr Lys Ala Xaa Val Val Gly Thr Leu Trp Ser
65 70 75 80

Trp Xaa Gln Leu Gly Asp Lys Lys Thr Phe Trp Ala Thr Gly Arg
85 90 95

<210> 7448
<211> 134
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7448
Xaa Xaa Asn Xaa Cys Leu Pro Xaa Leu Pro Val Ile Tyr Leu Val Leu
1 5 10 15

Tyr Leu Val Leu Tyr Leu Val Leu Phe Thr Leu Leu Phe Leu Leu Phe
20 25 30

Ser Val Cys Ser Arg Val Pro Val Ala Glu Leu Thr Leu Arg Arg Arg
35 40 45

Val Trp Tyr Val Leu Val Ala Gly Val Ile Pro Ile Val Val Leu Ile
50 55 60

Xaa Thr Ala Val Phe Xaa Val Xaa Thr Val Pro Thr Val Ser Ile Pro
65 70 75 80

Ala Leu Ala Thr Ala Thr Pro Thr Ala Val Arg Pro Xaa Asn Arg Ile
85 90 95

Gly Ser Met Ser Val Gly Arg Gln Ser Leu Phe Cys Xaa Leu Phe Thr
100 105 110

Leu Xaa Arg Phe Lys Leu Tyr Glu Val Cys Arg Val Arg Gly Val Ala
115 120 125

Asn Ser Ile Ala Thr Xaa
130

<210> 7449
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7449
His Phe Ser Phe Ser Phe Asn Leu Gln Tyr Leu Trp Arg Ala Ser Arg
1 5 10 15

Arg His Gln Ser Thr His Phe Phe Pro Ser Leu Leu Arg Leu Xaa Glu
20 25 30

BNSDOCID: <WO__ 0122920A2_I_>

Leu Pro Met Asp Xaa Val Arg
35

<210> 7450
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7450
Xaa Arg Xaa Leu Pro Ser Xaa Arg Ala Ile Arg Asn Pro Val Lys Ala
1 5 10 15

Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
20 25 30

Pro Arg Xaa Arg Gly Arg Pro Leu Arg Ser Arg His Xaa Xaa Cys Arg
35 40 45

Lys Glu His Pro Glu Met Lys Gly His Gln Glu Glu Xaa His Tyr Leu
50 55 60

Leu Xaa Gln
65

<210> 7451
<211> 155
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7451

```
Val Xaa Ile Val Lys Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe
  1               5                  10                  15

Pro Gly Arg Pro Thr Arg Ser Val Xaa Asp Glu Gln Glu His Tyr Ile
             20                  25                  30

Ser Asp Asp Leu Asp Ile Glu Thr Lys Met Glu Glu Gln Glu Lys Asn
         35                  40                  45

Pro Ala Ser Ser Glu Leu Glu Glu Pro Ser Leu Val Cys Glu Glu Asp
     50                  55                  60

Glu Ile Met Arg Ser Lys Glu Ser Pro Asp Leu Ser Ile Xaa His Ser
 65                  70                  75                  80

Gln Val Glu Gln Leu Val Asn Lys Thr Ser Glu Leu Asp Met Ser Glu
                 85                  90                  95

Ser Lys Thr Arg Ser Gly Lys Val Phe Gln Asn Lys Met Ala Asn Gly
            100                 105                 110

Asn Xaa Pro Val Lys Ser Ser Lys Glu Asn Arg Lys Arg Xaa Gln His
        115                 120                 125

Glu Ser Xaa Arg Ile Val Xaa Leu Met Ile Met Tyr Arg Xaa Asn Thr
    130                 135                 140

Met Gly Arg Ile Thr Asn Ile Ile Thr Thr Asp
145                 150                 155
```

<210> 7452
<211> 29
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7452
Ala Val Xaa Phe Leu Xaa Xaa Asn Xaa Thr His Tyr Phe Gly Lys Leu
1 5 10 15

Val Pro Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg
20 25

<210> 7453
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7453
Val Asp Met Xaa Trp Lys Trp Ile Xaa Thr Leu Val Asn Glu Gln Met
1 5 10 15

Ile Xaa Tyr Val Leu Lys Met His His Pro Xaa
20 25

<210> 7454
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2 1_>

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7454
Arg Xaa Ile Leu His Pro Xaa Xaa Asp Arg His Leu Asp Pro His Ser
1 5 10 15

Pro Xaa Ala Arg Gly Gly Gly Phe Pro Trp Asp Val Lys Gly Trp Pro
20 25 30

Leu Leu Ser Pro Cys Asn Xaa Asn Val Asn Pro Thr Glu Ala Pro Ser
35 40 45

Arg Xaa Pro Glu Ser Trp Xaa Xaa Thr Asn Xaa Val
50 55 60

<210> 7455
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7455

```
Thr Ile Phe Xaa Arg Trp Tyr Pro Leu Gln Val Pro Val Arg Asn Ser
  1               5                  10                  15

Arg Val Asp Pro Xaa Val Arg Phe Xaa Gln Xaa Leu Thr Arg Asp Gly
             20                  25                  30

Lys
```

<210> 7456
<211> 50
<212> PRT
<213> Homo sapiens

<400> 7456

```
Val Asn Thr Asp Gly Phe Pro Leu Ile Phe Gln Phe Tyr Val Glu Ser
  1               5                  10                  15

Ser Leu Asp Tyr Lys Phe His Met Leu Leu Gly Val Phe Ser Val Cys
             20                  25                  30

Leu Ile Ala Cys His Trp Lys Val Lys Asn Leu Asp Leu Asp Ile Ile
         35                  40                  45

Lys Ile
     50
```

<210> 7457
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7457
Gly Gly Pro Phe Gly Ser Arg Arg Gly Ala Gly Gly Ala Gly Ala Gly
1 5 10 15

Pro Gly Gly Gly Gly Ser Gly Gly Val Ala Lys Trp Leu Arg Glu His
20 25 30

Leu Gly Phe Arg Gly Gly Xaa Gly Xaa Xaa Gly Gly Arg Lys Pro Ala
35 40 45

<210> 7458
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO__0122920A2_1_>

<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7458
His Tyr Xaa Gly Xaa Glu Ile Tyr Lys Glu Xaa Lys Tyr Xaa Ser Ile
1 5 10 15

Tyr Asn Phe Xaa Lys Arg Phe Asn Val Lys Ile Xaa Trp Ile Cys Xaa
20 25 30

Xaa Asn Asn Thr Tyr Arg Tyr Val Leu Cys
35 40

<210> 7459
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7459
Asp Arg Leu Xaa Xaa Cys Lys Val Asn Lys Xaa Phe Lys Xaa Lys His
1 5 10 15

Cys Xaa Trp Thr
20

<210> 7460
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7460
Pro Thr Arg Ser Gly Ile His Val Glu Ala Thr Pro Ala Ala Ser Ala
1 5 10 15

Phe Leu Gly Ala Glu Arg Gln Pro Arg Pro Pro Val Pro Ser Pro Pro
20 25 30

Ser His His Arg Ser Ser Ala Pro Gly Arg Thr Val Trp Pro Leu Pro
35 40 45

Val Pro Ala Met Gly Ser Gly Trp Thr Pro Trp Ala Pro Pro Ile Ala
50 55 60

Lys Pro Gly Arg Gln Leu Ser Leu Val Pro Ala Arg Asp Ser Pro Gly
65 70 75 80

Phe Pro Ser Ile Leu Met Cys Pro Leu Xaa Pro Leu Gln Arg Pro Pro
85 90 95

Thr Gln His His Arg Pro Gly Leu Leu Gln Thr Ile Asn Tyr Asn His
100 105 110

<210> 7461
<211> 20
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7461
Val Asp Pro Arg Val Arg Xaa Arg Val Gly Xaa Pro Val Leu Leu Xaa
1 5 10 15

Gln Thr Pro Xaa
20

<210> 7462
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7462
Leu Lys Phe Thr Leu Arg Trp Phe His Phe Leu Val Tyr Lys Gly Arg
1 5 10 15

Val Ser Asp Xaa Cys Pro Val Ile Ser Gly Thr Pro Ser Gly Lys Glu
20 25 30

Ala Glu Gly Pro Ser Tyr Gly Arg Val His Pro Val Arg Pro Ser Thr
35 40 45

Thr Lys Val Ser Trp Phe Pro Phe Leu Pro Ser Tyr His Ser Phe Pro
50 55 60

Gly Ser His Pro Leu His Ile Gln Gln Xaa Gly Leu Thr Phe Leu Cys
65 70 75 80

Xaa Ser Trp Glu Asn Thr Ser Leu Leu Gln Cys Lys Val Arg Leu Asp
85 90 95

Lys Gln Ala Gly Val Xaa Glu Ala Xaa
100 105

<210> 7463
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7463
Thr Phe Gly Lys Ala Gly Pro Pro Ala Gly Thr Gly Pro Glu Phe Pro
1 5 10 15

Gly Arg Pro Thr Arg Pro Phe Ala Ser Lys Ala Xaa Arg Xaa
20 25 30

<210> 7464
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7464
Xaa Xaa Leu Arg Arg Cys Gly Leu Leu Xaa Ile Asp Leu His Xaa Asn
1 5 10 15

Xaa Tyr Met Thr Xaa Thr Thr Pro Lys Glu Ile Leu Arg Ile Trp His
20 25 30

Ser Tyr Ser Leu Cys Val Ile
35

<210> 7465
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7465
Phe Leu Tyr His Leu Phe Leu Glu Ala Phe Arg Ser Pro Val Phe Arg
1 5 10 15

His Gly Thr Asp Lys Asn Gly Phe Ser Leu Gly Phe Ser Lys Asn Met
20 25 30

Arg Gln Val Phe Gly Asp Glu Lys Lys Tyr Trp Leu Leu Pro Ile Phe
35 40 45

Ser Ser Leu Gly Asp Gly Cys Ser Phe Pro Thr Cys Leu Val Asn Gln
50 55 60

Asp Pro Glu Gln Ala Ser Thr Pro Cys Arg Ala Glu Phe His Ser Leu
65 70 75 80

Lys Ser Arg Lys Pro Xaa Ser Xaa Leu
85

<210> 7466
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7466
Ala Xaa Trp Ala Asp Phe Asp Ser Xaa Xaa Xaa Phe Gly Phe Gly Xaa
1 5 10 15

Ser Lys Pro

<210> 7467
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7467

```
Thr Lys Xaa Gly Glu Leu Ile Ser Val Pro Leu Leu Xaa Xaa Gly Tyr
  1               5                  10                  15

Val Leu Val Arg Gly Ser Ser Asp Lys Asn Gln Ile Ser Ser Thr Ile
             20                  25                  30

Ser Leu Leu Lys Tyr Leu Xaa Xaa Gly Tyr Ser Ile Gly Thr Pro Leu
         35                  40                  45

Asp Gly Pro Lys Gly Pro Lys Glu Xaa Xaa Lys Lys Gly Leu Xaa Tyr
     50                  55                  60

Xaa Ser Gln Lys Thr Ser Ile Pro Leu Val Pro Val Gly Ile Ser Tyr
 65                  70                  75                  80

Ser Xaa Lys Trp Ile Leu Lys Lys Thr Trp Asp Lys Xaa Glu Ile Pro
```

BNSDOCID: <WO _ 0122920A2 I >

85 90 95

Lys Pro Phe

<210> 7468
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7468
Thr Ser Glu Val Thr Leu Leu Gly Ile Glu Asn Ala Thr Thr Trp Xaa
1 5 10 15

Pro Xaa Glu Xaa Xaa
20

<210> 7469
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7469
Val Lys Leu Arg Asp Xaa Gly Leu Ser Gly Arg Gly Phe Ala Thr Glu
1 5 10 15

Met Thr Cys Met Trp Gln Pro Pro Glu Pro Glu Asp Met Gln Pro Arg
20 25 30

Ala Glu Ser Glu Ala Asp Pro Leu Arg Ala His Ser Leu Pro Phe Pro
35 40 45

Ser Arg Ile Pro Ser Ser Lys Gln Ala Ile Leu Lys Ser Leu
50 55 60

<210> 7470
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7470

BNSDOCID: <WO___ 0122920A2 I_ >

Gln Gly Glu Ser Xaa Leu Thr Thr Xaa Xaa Xaa Trp Pro Ala Glu Gln
1 5 10 15

Ala Pro Xaa Arg Asn Ser Arg Val Asp Pro Arg Ala Phe His Pro Xaa
20 25 30

Ala

<210> 7471
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7471
Xaa Asn Val Xaa Arg His Ala Leu Arg Xaa Leu Ile His Leu His Xaa
1 5 10 15

Arg Val Ala Pro Ser Lys Leu Glu Ala Xaa Gln Lys Ala Leu Glu Pro
20 25 30

Thr Gly Gln Ser Gly Ile Gly Ser Glu Xaa Ala Xaa Leu Pro
35 40 45

<210> 7472
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7472
Ala Ala Glu Cys Arg Gly Met Glu Gly Glu Pro Pro Trp Glu Gly Ala
1 5 10 15

Arg Gly Leu Ala Glu Gln Leu Gly Gly Val Arg Glu Val Arg Arg Cys
20 25 30

Pro Gly Gln Gly Ala Xaa Ala Leu Met Xaa Asp Ser Ser Xaa Gln Ser
35 40 45

Xaa Gly Ala Met Arg Thr Ala Xaa Ala Xaa Glu Ser Gly Val Ala Ser
50 55 60

Pro Pro Gln Ala Val Leu Ala Thr Gln Xaa His Tyr Pro
65 70 75

<210> 7473
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7473
Leu Phe Thr Xaa Xaa Asp Ala Phe Arg Tyr Leu Ala Leu Met Trp Glu
1 5 10 15

Glu Xaa Ile Asp Leu Xaa
20

BNSDOCID: <WO___0122920A2_I_>

<210> 7474
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7474
Xaa Ile Asn Gln Lys Asn Xaa Gly Gly Pro Pro Pro Glu Arg Ala Ser
1 5 10 15

Phe Leu Ala Leu Gly Xaa Gln Xaa Pro Pro Leu Lys Pro Phe Pro Ser
20 25 30

Phe Gln Pro Tyr Gly Pro Ser Gln Glu Gly Glu Glu Ser Pro Arg Ser
35 40 45

Xaa Xaa Gly Arg Lys Gln Ala Xaa Pro Trp Pro Pro Thr Gly Phe Lys
50 55 60

Asn Pro Lys Pro Lys Val Pro Leu Pro Leu Gly Ala Gln Gly Pro Xaa
65 70 75 80

Ile Xaa Lys Lys Trp Lys Asn Leu Glu Gln Leu
85 90

<210> 7475
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7475
Xaa Ser Ile Leu Xaa Ile Pro Phe Ile Xaa Lys Ala Ser Thr Pro Ala
1 5 10 15

Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Leu Ser Val Xaa Val
20 25 30

Ala Pro Ser Cys Gly Leu Xaa Xaa Pro Val Xaa Met Ser Ser Xaa Arg
35 40 45

<210> 7476
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7476
Xaa Asn Pro Val Lys Ala Cys Thr Pro Ala Gly Thr Gly Pro Glu Phe
1 5 10 15

Pro Gly Arg Pro Thr Arg Pro Xaa Arg Val Arg Pro Arg Val Arg Pro

20 25 30

Arg

<210> 7477
<211> 58
<212> PRT
<213> Homo sapiens

<400> 7477
Val Ser Thr Arg Leu Glu Thr Val Met Cys Pro Ala Trp Leu Ala Leu
1 5 10 15

Ala Ser His Ser Ala Leu Cys Val Gln Gly Ala Ser Gly His Ser Asp
20 25 30

Glu Asp Leu Val Thr Ser Ala Gln His Arg Arg Gln Val Glu Glu Asp
35 40 45

Gly Lys Leu Arg Gly Phe Phe Arg Glu Lys
50 55

<210> 7478
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7478
Xaa Ser Arg Cys Arg Pro Arg Xaa Leu Val Xaa Leu Thr Trp Glu Pro
1 5 10 15

Leu Leu Tyr Leu Xaa Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Ser
20 25 30

Pro

<210> 7479
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7479
His Asp Ile Leu Leu Glu Phe Ser Ala His Met Leu Thr Asp Xaa Xaa
1 5 10 15

Xaa Gly Xaa Xaa
20

<210> 7480
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7480
Pro Arg Ser Phe Phe Trp Gly Lys Lys Lys Pro Pro Ser Pro Phe Phe
1 5 10 15

Gly Gly Lys Lys Xaa Xaa Xaa Pro Leu Leu Trp
20 25

<210> 7481
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7481

Ala Xaa Ala Arg Ser Xaa Pro Phe Leu Gly Ala Trp Leu Met Trp Met
1 5 10 15

Xaa Glu Gly Leu Gly Pro Leu
20

<210> 7482
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7482
Ile Asp Xaa Cys Ser Leu Pro Ser Xaa Cys Pro Ser Pro Gly Leu His
1 5 10 15

Ile Leu Thr Gly Leu Xaa Pro Phe Xaa Gln Met Xaa Val Phe Leu Pro
20 25 30

Leu Phe Thr Leu Gln Leu Lys Phe Asn Tyr Leu Lys Xaa Xaa Xaa Tyr
35 40 45

Xaa Ser Phe Pro Trp Leu Gln Thr Phe Xaa Leu Pro Leu Arg Leu Lys
50 55 60

Leu Xaa Phe Leu Thr Val Tyr Ser Val Gln Leu Pro Thr Phe Leu Xaa
65 70 75 80

<210> 7483
<211> 54
<212> PRT
<213> Homo sapiens

<400> 7483
Ser Phe Val Ile Gln Gly Gly Gln Glu Lys Gly Tyr Gly Ala Ala Glu
1 5 10 15

Leu Ser Asn Ser Leu Arg Gln Glu Lys Arg Lys Glu Lys Met Tyr Ile
20 25 30

Phe Lys Phe Gln Phe Lys Pro Leu Leu Val Thr Lys Cys Phe Asp Met
35 40 45

Ile Ser His Thr Lys Ser
50

<210> 7484
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7484
Gln Lys Lys Glu Leu Arg Ala Val Ser Met Glu Arg Arg Xaa Gly Cys
1 5 10 15

Leu Ser Trp Leu Ala Leu Ser Leu Ala His Tyr Gln Lys Thr Ser Arg
20 25 30

Glu Gln Leu Xaa Lys Gly Phe Gly Ile Lys Ile Cys Leu Lys Lys Tyr
35 40 45

Pro Glu Ile Gly Phe Pro Ile Lys Thr Leu Pro Ile Phe Ser Lys Ile
50 55 60

<210> 7485
<211> 41
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7485
Leu Xaa Arg Lys Tyr Xaa Tyr Tyr Arg Val Ser Trp Tyr Ala Cys Arg
1 5 10 15

Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Xaa Xaa Asp Ala Xaa
20 25 30

Gly Glu Lys Leu Leu Ser Pro Gly Ala
35 40

<210> 7486
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7486
Arg Thr Xaa Xaa Gln Asp Leu Arg Arg Glu Ile Asp Leu Pro Lys Arg
1 5 10 15

Asp Arg Phe Xaa Xaa
20

<210> 7487
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7487
Ala Asn Ser Xaa Ser Thr Pro Asp Tyr Leu Phe Asp Met Gly Gln Xaa
1 5 10 15

Xaa Glu Tyr Xaa
20

<210> 7488
<211> 13
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7488
Met Thr Phe Xaa Thr Ser Xaa Xaa Lys Ala Tyr Arg Xaa
1 5 10

<210> 7489
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7489
Ala Ser Glu Xaa Gly Glu Leu Ile Pro Pro Ser Lys Pro Ser Leu Gly
1 5 10 15

Trp Val Gln Trp Xaa Xaa
20

<210> 7490
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7490
Cys Tyr Ser Ser Glu Xaa Val Leu Pro Gln Xaa Pro Val Arg Asn Ser
1 5 10 15

Arg Val Asp Pro Arg Val Arg Pro Arg Phe Ser Xaa Thr Xaa Leu Tyr
20 25 30

Arg Glu Lys Xaa Gly Leu Leu Trp Ala Ser Tyr Ala Glu Xaa Tyr Xaa
35 40 45

Arg Xaa Val Arg Lys Ile Met Met His Gln Leu Ser Ser Lys Ser Ser
50 55 60

Leu Xaa Leu Phe Thr Ala Leu Xaa Leu Leu Xaa Pro Xaa Ala Asp Gly
65 70 75 80

Cys

<210> 7491
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7491
Xaa Cys Leu Tyr Tyr Tyr Ser Pro Ile Ile Xaa His Tyr Glu Ile Met
1 5 10 15

Ile Ile Gln Xaa Asp Ser Lys Xaa Tyr Asn Ile
20 25

<210> 7492
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7492
Glu Leu Cys Leu Cys Leu Leu Asn Ile Xaa Xaa Asn Xaa Trp Phe Thr
1 5 10 15

Lys Ile Xaa Arg Lys Arg Gly Lys
20

<210> 7493
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7493
Phe Ser Ser Ile Leu Ala Gly Ser Glu Tyr Ala Thr Xaa Lys Ile Glu
1 5 10 15

Thr Ser Lys Ile His Ser Met Ser Arg Leu Phe Thr Asp Gly Val Thr
20 25 30

Lys Asn Asn Glu Val Asn Val Val Ala Ser Gly Lys Asn Thr Gly Gly
35 40 45

Ile Gly Lys Gly Trp Val Gly Gly Leu Leu Phe Phe Ala Phe Ala Pro
50 55 60

Leu Ser Ser Phe Val Leu Ser Ser Asn Arg His Leu Leu Phe Ala Lys
65 70 75 80

His Met

<210> 7494
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7494
Xaa Ile Leu Xaa Lys Leu Leu Thr Ile Val Lys Ala Gly Thr Pro Ala
1 5 10 15

Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Leu Pro Leu
20 25 30

Cys Gln Val Trp Trp Lys Xaa Gly Gln Xaa Xaa Lys Asn
35 40 45

<210> 7495
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2 I >

<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7495
Asp Leu Tyr Tyr Xaa Xaa Ser Trp Tyr Xaa Cys Arg Tyr Arg Ser Gly
1 5 10 15

Ile Pro

<210> 7496
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7496
Ser Pro Xaa Trp Asp Xaa Cys Xaa Xaa Arg Ser Gly Xaa Pro Gly Ser
1 5 10 15

Thr His Ala Ser Ala His Ser Val Leu Glu Phe Phe Ser Phe Glu Ser
20 25 30

Tyr Val Gly Gly Leu Xaa Asp Tyr Val Ser Ile Lys Leu Met Gly Leu
35 40 45

Xaa Gly Ala Pro Xaa Glu Ser Xaa Xaa Val Leu Asp Asn Leu Leu Ser
50 55 60

Ala Leu Leu Cys
65

<210> 7497
<211> 94
<212> PRT
<213> Homo sapiens

<400> 7497
Leu Ala Cys Phe Tyr Asn Phe Ile Phe Gln Ile Leu Thr Thr Thr Ala
1 5 10 15

Phe Arg Val Val Ile Leu Leu Phe Leu Lys Gln Glu Ile Thr Ile Cys
20 25 30

Ile Cys Thr Cys Val Leu His Met Asn Tyr Gly Ile Leu Gly Lys Cys
35 40 45

Phe Ser Phe Thr Cys Glu Asn Ser Glu Ser Trp Ser Lys Leu His Cys
50 55 60

Ile Pro Asn Cys Ala Leu Ile Tyr Tyr Leu His Arg Val Leu Phe Asn
65 70 75 80

Gln Ile Ala Cys Phe Ser Phe Ile Ile Val Ser Phe Leu Leu
85 90

<210> 7498
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7498
Xaa Pro Xaa Glu Thr Pro His Ser Xaa Xaa Gly Lys Leu Ala Arg Leu

1 5 10 15

Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Phe Arg Arg Ser
20 25 30

Leu Pro Leu Val Lys Glu Gly Val Xaa Pro Glu Ser Xaa Xaa Ser
35 40 45

<210> 7499
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7499
Glu Phe Ala Leu Arg Ser Ala Ser Ile Leu Leu Ala Ser Xaa Cys Ile
1 5 10 15

Ala Phe Val Ile Arg Arg Thr Asn Ser Arg Leu Asn Met Lys Gly Phe
20 25 30

Ser Ser Val Ser Ser Lys Lys Ala Ser Leu Ser Ser His Leu Thr Ser
35 40 45

Asn Ser Phe Pro Val Cys Gln Leu Gln Ser Gln His
50 55 60

<210> 7500
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7500
Val Leu Ile Ile Leu Arg Gln Arg Trp Val Glu Phe Glu Asn Asn Xaa
1 5 10 15

Asn Xaa Pro Phe Val Ile Xaa Pro Phe Thr Met Leu Cys Gln Lys Ile
20 25 30

Arg Ile Ser Ile Leu Gly Xaa Xaa Ile Thr Met
35 40

<210> 7501
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7501
Xaa Leu Asp Asn Pro Xaa Ser Lys Gly Arg Arg Gln Arg Gln Ala Glu
1 5 10 15

Glu Ala Glu Ala Xaa Glu Gly Ala Xaa Glu Lys Gly Xaa Glu Gly Leu
20 25 30

Asn Xaa Gly
35

<210> 7502
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7502
Arg Pro Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Leu Pro Xaa Arg
1 5 10 15

Xaa Phe Lys Pro Tyr Asn Lys Leu Lys Asn Arg Xaa Thr Xaa Asn Glu
20 25 30

Asn Pro Glu Asn
35

<210> 7503
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7503
Lys Gly Arg Lys Xaa Gln Asp Arg Ser Gly Ile Pro Gly Ser Thr Pro
1 5 10 15

Leu Pro Arg Thr Xaa Phe Lys Xaa Ala Thr Xaa Ser Leu Glu Leu Gly
20 25 30

Ala Thr Leu Xaa Xaa Ala Leu Xaa Ser Ile Xaa Leu Tyr Gly Thr Xaa
35 40 45

Val Tyr Gln Ile
50

<210> 7504
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7504
Phe Xaa Thr Gln Gly Xaa Ala Gly Pro Gly Gly Ala Leu Gly Ser Lys
1 5 10 15

Pro Ala Xaa Gln Asp Asp Glu
20

BNSDOCID: <WO___0122920A2 I_>

<210> 7505
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7505
Trp Gly Phe Val Ser Ala Pro Arg Lys Trp Arg Arg Gly Pro Trp Arg
1 5 10 15

Pro Leu Pro Arg Gly Gln Arg Arg Thr Pro Ser Pro Pro Leu Gly Ala
20 25 30

Pro Ala Ala Gly Pro Ala Pro Pro Pro Ala Pro Ser Leu Thr Arg Leu
35 40 45

Ser Pro Pro Leu Xaa Pro Leu Glu Thr Leu Ala Ile Leu Phe Arg Gly
50 55 60

Leu Leu Asp Arg Pro Cys Tyr Leu Gln Arg Val Cys Arg Ala Arg Glu
65 70 75 80

Thr Arg Asp Arg Arg Pro Xaa Ser Gly Xaa Ser Trp Gly His Leu Gly
85 90 95

Lys Asp Ala Asp Ala Ser Leu Glu Leu Ala Leu Ala Xaa Gly Ser Xaa
100 105 110

Phe Thr Ala Xaa
115

<210> 7506
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7506
Arg Pro His Xaa Lys Asn Xaa Xaa Lys Xaa Pro Leu Xaa Val Pro Val
1 5 10 15

Arg Xaa Xaa Arg Asp Val Pro Arg Asp Leu Phe Lys Arg Lys Xaa Asn
20 25 30

<210> 7507
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7507
Gly Pro Pro Pro Arg Cys Cys Ser Pro Arg Asn Ser Thr Ala Phe Glu
1 5 10 15

Tyr Leu Glu Glu Phe Pro Ile Gln Met Leu Ala Gln Leu Glu Thr Leu
20 25 30

Thr Gly Arg Lys Ala Lys His Gly Leu Phe Ala Ser Thr Trp Asn Met
35 40 45

Ala Glu Ile Ser Leu Ala Pro Thr Arg Thr Ser Ser Leu Met Thr Gly
50 55 60

Leu Trp Gly Thr Gln Lys Met Pro Gly Ser Leu Thr Phe Phe Ile Leu
65 70 75 80

Xaa Ser Thr Thr Ile Asp Thr Xaa Pro Pro Xaa Ser Arg Ser Leu Pro
85 90 95

Ser Pro Thr Xaa Gly Leu Leu Lys Thr Xaa Arg Cys Lys
100 105

<210> 7508
<211> 57
<212> PRT
<213> Homo sapiens

<400> 7508
Asn Val Ile Ser Ser Cys Asn Gln Tyr Lys Val Ile Lys Met Phe Ser
1 5 10 15

Cys Gln Ile Leu Asn Leu Val Cys Asn Phe Ile Leu Ser Thr Ser Gln
20 25 30

Ala Ile Cys Gln Met Leu Gly Ser Arg Met Trp Leu Gly Asp Tyr Arg
35 40 45

Met Gly Gln Cys Arg Ser Arg Ile Trp
50 55

<210> 7509
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7509
Xaa Phe Lys Asn Arg Thr Ser Thr Thr Arg Tyr Gly Xaa Xaa Leu Lys
1 5 10 15

Lys Gln

<210> 7510
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7510
Ala Ser Asn Lys Leu Ala Leu Lys Xaa Ile Lys Gln Lys Tyr Asn Tyr
1 5 10 15

Lys Glu Lys Leu Ala Asn Xaa His Leu Gln Trp Glu Asn Cys Ile Xaa
20 25 30

Leu Ser Xaa Asn Xaa Arg Thr Ser Lys Gln Asn
35 40

<210> 7511
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7511
Ala Ala Xaa Lys Ser Gly Xaa Asn Xaa Arg Gly Leu Ser Leu Val Ala
1 5 10 15

His Ile Trp Tyr Leu Ile Gly Tyr Lys Leu Glu Leu Phe Ala Asn Xaa
20 25 30

<210> 7512
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7512
Arg Phe Phe Ser Lys Val Lys Met Asp Xaa Gly Leu Xaa Arg Xaa Phe
1 5 10 15

Xaa

<210> 7513
<211> 129
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)

BNSDOCID: <WO_ 0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7513

```
Xaa Xaa Thr Pro Asp Gly Ile Xaa Lys Thr Pro Ser Arg Arg Asn Pro
  1               5                  10                  15

Gly Thr Pro Ala Gly Thr Gly Pro Glu Xaa Pro Gly Arg Pro Thr Leu
             20                  25                  30

Phe Ala Xaa Pro Xaa Xaa Gly Xaa Pro Arg Xaa Gly Ser Lys Lys Arg
         35                  40                  45

Thr Xaa Arg Thr Gly Thr Gln Thr Xaa Thr Xaa Xaa Asn Ala Glu Arg
     50                  55                  60

Gly Xaa Xaa Thr Ser Xaa Ala Ser Pro Arg Xaa His Xaa His Xaa Ser
 65                  70                  75                  80
```

BNSDOCID: <WO_ 0122920A2_I_>

Xaa Pro Xaa Xaa Xaa Pro Xaa Lys Leu Arg Arg Ala Xaa Arg Thr Xaa
85 90 95

Ser Arg Pro Ser Gly Ala Lys Gly Met Gln Gly Thr Xaa Pro Gly Tyr
100 105 110

Gln Xaa Gly Asp Pro Arg Arg Thr Gln Met Lys Gln Xaa Xaa Thr Glu
115 120 125

Xaa

<210> 7514
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7514
Lys Lys Gln Glu Thr Xaa Pro Asn Xaa Ala Lys Asn Ile Arg Ala Gly
1 5 10 15

Xaa Ala Arg Xaa Asn Gly Arg Thr Asp Gly Xaa Asp Gly Asn Gln Pro
20 25 30

Lys Ala Asp Thr Gly Arg Xaa Asp Xaa Lys Ala
35 40

<210> 7515
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7515
Ile Gly Lys Thr Xaa Thr Xaa Pro Xaa Lys Pro Leu Thr Ile Phe Glu
1 5 10 15

Xaa Lys Gly Pro Pro Ala Gly Thr Gly Pro Xaa Phe Pro Gly Arg Leu

BNSDOCID: <WO__ 0122920A2_I_>

20 25 30

<210> 7516
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7516
Pro Asp Pro His Thr Pro Xaa Gly Glu Lys Xaa Pro Xaa Pro Gln Thr
1 5 10 15

Ile Arg Gln Glu Ile Thr Gln Gly Tyr Thr Glu Lys Ile Tyr Pro Glu
20 25 30

Arg Tyr Xaa Thr Pro Thr
35

<210> 7517
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7517
Xaa Ala Ala Ser Xaa Glu His Arg Pro Arg Thr Lys Thr Arg Thr Thr
1 5 10 15

Gly Thr Thr Pro Thr Glu Leu Lys Arg Arg Thr Ser Arg Lys Thr Xaa
20 25 30

Xaa Thr Glu Thr Xaa Lys
35

<210> 7518
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7518
Val Ser Xaa Xaa Xaa Xaa Pro Glu Asp His Xaa Thr Ala Arg Met Leu
1 5 10 15

Met Val Ile Cys Ile Lys Met Asn Asn Phe
20 25

<210> 7519
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7519
His Asn Thr Tyr His Arg Glu Asn Arg Xaa Ala Arg Arg Xaa Arg Ser
1 5 10 15

BNSDOCID: <WO_ _ 0122920A2 I >>

Gly Xaa Pro Gly Ser Thr His Ala Phe Xaa Pro Asn Met Ala Gly Gln
20 25 30

Asp Gly Gly
35

<210> 7520
<211> 105
<212> PRT
<213> Homo sapiens

<400> 7520
Leu Gly Lys Lys Ala Glu Gln Leu Ser Ser Arg His Ile Pro Ala Gly
1 5 10 15

Trp Gly Pro His Ser Arg Lys Gly Leu Asp Trp Leu Ser Phe Pro Val
20 25 30

Ala Trp Leu Arg Cys Val Asp Gly Glu Ile Gly Ala Arg Gly Arg Thr
35 40 45

Leu Val Arg Lys Leu Gln Ser Cys Ser Leu Pro Ser Pro Ser Cys Leu
50 55 60

His Gly Ala Ser Gly Gly Leu Trp Ala Ser Ser Asn Arg Gly Trp Trp
65 70 75 80

Ala Pro Arg Ala Asn Gly Val Asp Pro Trp Leu Val Arg Ala Lys Ser
85 90 95

His Arg Leu Leu Leu Gly Lys Gly Phe
100 105

<210> 7521
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)

BNSDOCID: <WO_ 0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7521
Gly Met Ala Asp Leu Leu Glu Ser Ser Cys Pro Phe Thr Glu Ser Gly
1 5 10 15

Gly Thr Leu Phe His Ser Ser Xaa Thr Gly Arg Cys Leu Xaa Phe Phe
20 25 30

Phe Leu Ile Ser Leu His Arg Glu Arg Glu Leu Phe Pro Lys Thr His
35 40 45

Phe Ile Phe Leu Leu Ala Met Xaa Ser Ala Arg Val Lys Lys Phe Leu
50 55 60

Lys Ser Asn
65

<210> 7522
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7522
Xaa Asn Phe Tyr Asp Leu Leu Leu Phe Xaa Lys Xaa Val Pro Leu Xaa
1 5 10 15

Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Leu Thr Gly Glu
20 25 30

Gly Met Asp Glu Met Glu Phe Thr Xaa Val Gly Cys Xaa Thr Xaa
35 40 45

<210> 7523
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7523
Val Xaa Val Leu Asp Arg Glu Arg Pro Pro Xaa Phe Phe Leu Ile Phe
1 5 10 15

Phe Phe Xaa Phe Phe Gly Ile Ile Asn Ile Ser Phe Glu Met His Ile
20 25 30

Xaa Xaa Glu
35

<210> 7524
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7524
Leu Leu Cys Leu Arg Asn Ser Lys Arg Phe Val Leu Xaa Ala Ser Arg
1 5 10 15

Arg Ile Gly Thr His Met Gly Leu Asp Val Arg Phe Cys Arg Pro Glu
20 25 30

Pro Ser Gln Gly Ser Trp His Val Phe Leu His Leu Cys Arg Leu Thr
35 40 45

Glu Met Ser
50

<210> 7525
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7525
Lys Xaa Gly Glu Ile Trp Gly Gly Xaa Pro Leu Lys Gly Gly Lys Lys
1 5 10 15

Phe Gly Glu Leu Pro Gln Xaa Gln Phe Leu Leu Pro Thr Leu Xaa Phe
20 25 30

Xaa Gly Glu Lys Thr Gln Thr Pro Xaa Ile Xaa Gly Gly Xaa Leu Lys
35 40 45

Pro Xaa Pro Pro Arg Xaa Xaa Gln Thr Ser Gly Xaa Val Ser Phe Gly
50 55 60

Lys Pro Asn Phe Xaa Pro Xaa Val Ser Ile Xaa Xaa Leu Gly Asn Phe
65 70 75 80

<210> 7526
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7526
Ser Thr Xaa Val Gly Thr Ala Ala Xaa Leu Pro Gly Pro Thr His Ala
1 5 10 15

Ser Gly Gly Arg Thr Pro Glu Pro Trp Ala Leu Leu Gly Met Pro Leu
20 25 30

Asn Pro Val Ser Phe Thr Asp Ser Leu Gly Leu Ser Ser Leu Asp Ser
35 40 45

Arg Pro Pro Thr Val Thr Val Ser Val Phe Phe Ala Ala Glu Leu Val
50 55 60

His Arg Asp Asp Gly
65

<210> 7527
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7527
Ile Ile Thr Val Arg Val Arg Asp Arg Arg Gln Ser Leu Ser Thr Leu
1 5 10 15

Cys Xaa Ser Leu Lys Glu Xaa Gln Leu Gly Ile Gln Glu Trp Lys Asn
20 25 30

Thr Glu Ser Gln Pro Phe Phe Phe Leu Phe Lys Thr Lys Thr Lys Phe
35 40 45

Ile Leu Gly Met Val Ser Ser Xaa Leu Glu Cys Xaa Arg Glu Lys Lys
50 55 60

Arg Xaa Phe Pro Arg His Tyr Leu Lys Ile Asn Ser Phe His Leu Asn
65 70 75 80

Xaa Gly Pro Xaa Trp
85

<210> 7528
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7528
Gly Leu Gln Glu His Pro Thr Ser Val Leu Leu Asp His Xaa Ala Leu
1 5 10 15

Asp Cys Asp Pro Xaa Arg Xaa Phe Cys Pro Ala Leu Arg Thr His Ser
20 25 30

Ala Val Leu Glu Asn Ser Ala His Val Cys Arg
35 40

<210> 7529
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7529
Xaa Trp Leu Ser Lys Pro Xaa Cys Cys Glu His Ser Gly Leu Xaa Lys
1 5 10 15

Lys Pro Arg Glu Asp Ser Gly Xaa Trp Thr Lys Arg Ala Val Lys His
20 25 30

Ser Trp Ala Cys Ala Pro Arg Xaa Pro Xaa Leu Gly
35 40

<210> 7530
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7530
Gly Trp Leu Lys Cys Thr Thr Leu Arg Xaa Xaa Asn Gln Xaa Thr Leu
1 5 10 15

Xaa Ala

<210> 7531
<211> 36

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7531
Xaa Leu Gln Ala Leu Asn His His Val Gln Pro Arg Ile Ser Leu Xaa
1 5 10 15

Ser Leu Val Glu Gly Leu Phe Leu Arg Xaa Glu Leu Thr Gln Xaa His
20 25 30

Met Leu Ile Xaa
35

<210> 7532
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7532

```
Glu Lys Asn Lys Lys Ser Gly Glu Ser Ser Ser Xaa Leu Ser Gln Glu
  1               5                  10                  15

Gln Lys Ser Val Phe Asp Glu Asp Leu Gln Lys Lys Ile Glu Glu Asn
             20                  25                  30

Glu Arg Leu His Ile Gln Phe Phe Glu Ala Asp Glu Gln His Lys His
         35                  40                  45

Val Glu Ala Glu Leu Xaa Ser Arg Leu Val Thr Leu Glu Thr Glu Ala
     50                  55                  60

Xaa Gln His Gln Ala Val Val Asp Gly Leu Thr Arg Lys Xaa Xaa Glu
 65                  70                  75                  80

Thr Ile Glu Lys Xaa Gln Asn Asp Lys Val Lys Leu Glu
                 85                  90
```

<210> 7533
<211> 52
<212> PRT
<213> Homo sapiens

<400> 7533

```
Lys Ile Tyr Leu Pro Cys Leu Lys Phe Val Gly Leu Leu Ile Gln Cys
  1               5                  10                  15

Gly Leu Met Phe Leu Leu Ser Leu Thr Ala Thr Phe Tyr Asn Gln Cys
             20                  25                  30

Arg Ala Trp Ile Trp His Tyr Glu Val Phe Cys Leu Gly Gly Thr Tyr
         35                  40                  45

Arg Arg Ala Thr
     50
```

<210> 7534
<211> 40
<212> PRT
<213> Homo sapiens

<400> 7534

```
Tyr Ser Phe Tyr Val Cys Tyr Pro Ser Val Ser Ser Pro His Phe Ser
  1               5                  10                  15

Phe Leu Gly Leu Lys Gly Phe Phe Ser Thr Leu Tyr Met Cys Val Val
             20                  25                  30

Ile Phe Gly Phe Cys Tyr Ile Leu
         35                  40
```

<210> 7535
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 I >

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7535
Xaa Glu Met Tyr Ser Ser Pro Ile Tyr Lys Gln Ile Leu Phe Tyr Leu
1 5 10 15

Lys Xaa Asn Xaa Tyr Arg Thr Ser Pro Xaa Met Ala Thr His Thr Val
20 25 30

Cys Val Ser His
35

<210> 7536
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7536
Pro Thr Asn Ala Lys Thr Lys Leu Phe Phe Leu Tyr Leu Phe Xaa Ile
1 5 10 15

Lys Xaa Asn Glu Lys Asp Pro Phe Gln Lys Gly Asp Pro Glu Asn Lys
20 25 30

Thr Asn Thr Pro Val Phe Cys His Cys Phe Ser Gln Leu Ser Tyr Leu
35 40 45

Lys Thr Val Ile Pro Lys
50

<210> 7537
<211> 45
<212> PRT
<213> Homo sapiens

<400> 7537
Gly Gly Arg Val Gln Asp Leu Val Val Tyr Lys Ile Gly Phe Leu Ile
1 5 10 15

His Leu Glu Asn Phe Tyr Phe Gly Ile Thr Asp Glu Met Ile Arg Phe
20 25 30

Val Tyr Asp Glu Gly Val Ile Cys Gly His Lys Phe Lys
35 40 45

<210> 7538
<211> 76
<212> PRT
<213> Homo sapiens

<400> 7538
Ile His Arg Ala Ser Thr Trp Val Val Ser Val Pro His Arg Gln Arg
1 5 10 15

Ser Val Pro Leu His Phe Ser Ile Tyr Ser Ser Ser Lys Ile Val Ser
20 25 30

Phe Glu Ile Phe Phe Asn Cys Ile Ile Gly Arg Leu Ile Asn Lys Pro
35 40 45

Glu Arg Arg Lys Asn Asn Glu Val Gly Arg Ala Ser Cys Ser Ala Ser
50 55 60

Gly Leu Tyr Ser Lys Ala Ile Leu Asp Cys Gly Cys
65 70 75

<210> 7539
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7539
Pro Pro Glu Asn Thr Thr Ile Phe Gln Ala Gly Thr Pro Xaa Gly Thr
1 5 10 15

Gly Pro Glu Phe Pro Gly Arg Pro Ile Xaa Xaa Leu Xaa Lys Lys Lys
20 25 30

Lys Xaa

<210> 7540
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7540
Lys Thr Phe Gly Asp His Asp Lys Phe Trp Ile Lys Thr Phe Cys Tyr
1 5 10 15

Phe Ala Cys Lys Leu Xaa Tyr Xaa Xaa Pro Asp Trp Pro Xaa Xaa Gly
20 25 30

Thr Xaa Ile Asn Thr Cys Pro Phe Xaa Gly Phe His Thr Ile Thr Thr
35 40 45

Ser Thr Arg Asn Ser Arg Trp Pro Lys Leu Lys Val Lys Ile Leu Lys
50 55 60

His Ile Gly Phe Ser His Ala Met Cys Trp Val Gln Thr Met Leu Val
65 70 75 80

Asn Xaa Xaa Xaa Pro Met Val Met Thr Asp
85 90

<210> 7541
<211> 116
<212> PRT
<213> Homo sapiens

<400> 7541
Met Val Gly Ile Gly Thr Ser Asp Val Asp Leu Asp Lys Tyr Arg His
1 5 10 15

Thr Phe Cys Ser Leu Leu Gly Arg Asp Glu Asp Ser Trp Gly Leu Ser
20 25 30

Tyr Thr Gly Leu Leu His His Lys Gly Asp Lys Thr Ser Phe Ser Ser
35 40 45

Arg Phe Gly Gln Gly Ser Ile Ile Gly Val His Leu Asp Thr Trp His
50 55 60

Gly Thr Leu Thr Phe Phe Lys Asn Arg Lys Cys Ile Gly Val Ala Ala
65 70 75 80

Thr Lys Leu Arg Gly Arg Glu Pro Gly Trp Ser Pro Arg Cys Cys Ser
85 90 95

His Arg Ala Ser Val Phe Pro Asn Leu Leu Cys Met Leu Ser Ala Ala
100 105 110

Ala Pro Pro Ser
115

<210> 7542
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7542
Lys Arg Met Lys Asp Lys Val Val Ala Leu Xaa Gln Asp Pro Leu Val
1 5 10 15

Val Thr Xaa Thr Ala Cys Pro Gly Arg Leu Xaa Xaa Thr Glu Cys Leu
20 25 30

Asp Ile Ile Leu Leu Met
35

<210> 7543
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7543
His Thr Leu Cys Val Val Leu Gly Lys Leu His Ser Leu Ser Gln Pro
1 5 10 15

Leu Ser Phe Thr Phe Pro Leu Cys Glu Ile Ser Arg Phe Leu Thr Tyr
20 25 30

Leu Tyr Tyr Gly Phe Leu Leu Lys Tyr Asp Glu Ser Cys Arg Leu Ser
35 40 45

Ile Pro Lys Lys Lys Lys Asn Glu Gln Ile Cys Ile His Lys Arg Phe
50 55 60

Tyr Lys Ser Ile Ser Gly Gly His Glu Pro Thr Pro Asp Thr His Xaa
65 70 75 80

Thr Pro Trp Asp Leu Leu Ser Phe Gln Val
85 90

<210> 7544

<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7544

```
Pro Gly Cys Leu Phe Leu Gln Arg Trp Phe Trp Leu Val Arg Val Leu
  1               5                  10                  15

Leu Ser Leu Phe Ile Gly Ala Glu Ile Val Gly Glu Cys Val Val Gln
             20                  25                  30

Pro Met Gly Arg Gly Arg Gly Glu Glu Gly Gly Gly Gln Arg Ala Pro
         35                  40                  45

Gly Thr Ile Gly Asn Trp Gly Trp Phe Ser Ala Pro Ser Ser His Ser
     50                  55                  60

Xaa Ala Pro Ser Arg Ala His Phe Leu Ala Leu Thr Met Gln Pro His
 65                  70                  75                  80

Trp Thr Ser Lys Xaa Pro Ser Xaa Leu Gln Cys Pro Thr Phe His Thr
                 85                  90                  95

Thr Xaa
```

<210> 7545
<211> 15
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7545
Ser Xaa Pro Ser His His Met Arg Leu Phe Gly Leu Leu Xaa Ala
1 5 10 15

<210> 7546
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7546
Val Gly Cys Ser Asp Asp Phe Gly Phe Leu Ser Lys Asn Asp Gly Ser
1 5 10 15

His Thr Val Ile Pro Ala Pro Asn Cys Cys Thr Glu Lys Arg Val Asn
20 25 30

Ala Ala Arg Val Gly Gly Arg Trp Ala Val Ser Trp Gly Val Met Val

35 40 45

Ile Thr Tyr Ala Arg Asp Gln Gly Cys Gly Arg Glu Xaa Xaa Phe Ser
50 55 60

Xaa Xaa Gly
65

<210> 7547
<211> 33
<212> PRT
<213> Homo sapiens

<400> 7547
Leu Asn Leu Ala Arg Asn Lys Asp Leu Ile Ser Val Phe Lys Tyr Ile
1 5 10 15

Tyr Met Ala Leu Trp Ser Gly Phe Trp Thr Ser Lys Ala Ala Tyr Leu
20 25 30

Ala

<210> 7548
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7548
Phe Cys Thr Leu Ser Thr Thr Gln Ala Gln Ala Gln Gly Arg Thr Xaa
1 5 10 15

Asp Xaa Xaa

<210> 7549
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7549

```
Phe Ala Ile Tyr Asn Ser Ser Gly Glu Xaa Ile Asn Asn Ile Lys Tyr
  1               5                  10                  15

Tyr Asp Gly Phe Met Gly Gln Arg Val Gly Ala Ile Ser Cys Leu Ala
             20                  25                  30

Phe His Pro His Trp Pro His Leu Ala Val Gly Ser Asn Asp Tyr Tyr
         35                  40                  45

Ile Ser Val Tyr Ser Val Glu Lys Pro Cys Gln Ile Ser Gly Val Thr
     50                  55                  60

Pro Gly Pro Pro Gly His Gly Arg Leu Leu Tyr Ile Val Lys Leu Ser
 65                  70                  75                  80

Leu Xaa Gly Ala Arg Xaa Val Gly Cys Cys Gly Pro Ala Val Xaa Thr
                 85                  90                  95

Val Gly Cys Cys Leu Ser Cys
             100
```

<210> 7550
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7550
Phe Arg Gly Xaa Glu Pro Gly Arg Gln Ser Ser Gly Xaa Asp Leu Ser
1 5 10 15

Xaa Ile Leu His Gly Cys Gln Val Arg Val Xaa Pro
20 25

<210> 7551
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7551
Ala Xaa Xaa Pro Ala Cys Pro Ser Ser Met Trp Pro Pro Trp Thr Phe
1 5 10 15

Cys Ile Gln Ser Leu Xaa Cys Pro
20

<210> 7552
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7552
Xaa Leu Gln Xaa Asn Leu Ala Thr Ile Trp Lys Ala Gly Arg Leu Gln
1 5 10 15

Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Xaa Gly Arg Val
20 25 30

Gly Tyr Phe Leu Asn Lys Pro Xaa
35 40

<210> 7553
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7553
Phe Ile Tyr Leu Tyr Ala Ser Arg Phe Tyr Ser Leu Leu Tyr Ile Cys
1 5 10 15

Tyr Ser Ser Lys Lys Lys Arg Lys Lys Asn Pro Phe Phe Leu Gln Arg
20 25 30

Tyr Xaa Leu Leu Tyr Leu Xaa Ile Thr Asn Leu Asn Met Xaa Thr Glu
35 40 45

<210> 7554
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7554
Ala His Ala Ser Gly Arg Val Xaa Gly Ile Lys Gly Xaa Ile Xaa Leu
1 5 10 15

Xaa

<210> 7555
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7555
Pro Gly Phe Xaa Gly Gly Xaa Phe Ser Xaa Xaa His Phe Gln Lys Pro
1 5 10 15

Arg Leu Gly Leu Leu Gly Asn Arg Gly Lys Asn Pro Leu Gly Gln Ala
20 25 30

Phe Arg Phe Ser Leu Ala Asn Xaa Pro Arg Gly Xaa Xaa Ala Pro
35 40 45

<210> 7556
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7556
Ala Phe Pro Lys Gly Xaa Ser Arg Ser Cys Arg Xaa Xaa Arg Leu Thr
1 5 10 15

Arg Pro Leu

<210> 7557
<211> 68

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7557
Val Leu Pro Ser Tyr Leu Gln Val Leu Thr Leu Pro Gly Xaa Leu Pro
1 5 10 15

Asn Met Thr Leu Asp Thr Val Ser Leu Arg Leu Leu Gly Tyr Gln Asp
20 25 30

Gln Asn Gln Glu Gly Lys Arg Ile Lys Ile Tyr Arg Val Ser Phe Arg
35 40 45

Val Leu Ala Trp Ser Phe His Tyr Gln Leu Cys Lys Ile Gly Ile Ile
50 55 60

Asp Pro Ile Leu
65

<210> 7558
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2 I_>

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7558
Thr Met Thr Trp Ser Arg Gln Ser Xaa Leu Trp Leu Gly Thr Leu Xaa
1 5 10 15

Pro Thr Ile Asn Asn Xaa Trp Leu Lys Xaa Phe Pro Val Thr Val His
20 25 30

Phe Gln Val Gly Lys Cys Xaa Val Leu Xaa Xaa Phe Phe Phe Ser Asn
35 40 45

Xaa Lys Arg Thr Ile Xaa Leu Lys Lys Lys Lys
50 55

<210> 7559
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7559
Gly Ser Ala Leu Gly Phe Gln Ser Leu Ser Ala Val Ala Val Pro Phe
1 5 10 15

Ala Gly Thr Ala Gly Ser Pro Gly Pro Leu Arg Ser Thr Arg Ser Cys
20 25 30

Tyr Ala Tyr Arg Gly Arg Ile Cys Arg Ala Ser Pro Arg Val Glu Gly
35 40 45

Pro Leu Gln Val Phe Thr Ala Cys Pro Arg Ser Lys Gly Ser Ser Ala
50 55 60

Arg Xaa Arg Xaa Met Ala Leu Gly Gln Arg Phe Leu Xaa Met Gly Asn
65 70 75 80

Trp Xaa Phe Gly Pro Trp Ala Arg Ala Gly Gly
85 90

<210> 7560
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7560
Gly Gln Thr Leu Xaa Lys Val Xaa Arg Val Pro Lys Xaa Xaa Trp Glu
1 5 10 15

Phe Phe Gln Gly Gly Arg Pro Leu Thr Pro Trp Glu Lys Lys Lys Asn
20 25 30

Leu Gly Lys Thr Thr Arg Glu Pro Thr Xaa Gly Gly Leu Xaa Phe Asn
35 40 45

Arg Gly Arg Arg Gly
50

<210> 7561
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7561
His Thr His Phe Ile Asn Gly His Xaa His Phe Asp Lys Gly Gly Lys
1 5 10 15

Lys Phe Asn Ser Xaa Phe Xaa Lys Val Gln Gly Leu Gly Leu His Ser
20 25 30

Glu Ser Leu Pro Xaa Ala Pro Thr
35 40

<210> 7562
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO__ 0122920A2_I_>

<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7562
Asp Xaa Lys Ser Ser Arg Xaa Xaa Xaa Ala Gly Phe Leu Gln Gly Tyr
1 5 10 15

Ser Val Phe Asp Glu Thr Gln Leu Gly Met Thr Tyr Ser Pro Ser Pro
20 25 30

His Ser Tyr Leu Ser Phe Ile Lys Asn Phe Ile Val Thr Val Ser Met
35 40 45

Leu Pro Ser Xaa Xaa Xaa Asn Pro Xaa
50 55

<210> 7563
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7563
Arg Lys Thr Cys Thr Ile Xaa Ser Gly Lys Val Leu Leu Gly Val Pro
1 5 10 15

Val Arg Asn Ser Xaa Val Asp Pro Arg Val Arg Leu Arg Val Arg Ala
20 25 30

Ala Ala Glu Ala Met Gly Leu Xaa Xaa Gly Arg Ser Cys Pro Glu Pro

BNSDOCID: <WO__0122920A2_I_>

35 40 45

Ala Thr Ala Leu Xaa Gln Xaa Ala Ser Phe Ser Xaa Leu Pro Ser Pro
50 55 60

Arg Leu Pro Arg Xaa Gly Tyr Pro Gln Pro Gln Pro Gly Ala Gly Glu
65 70 75 80

Xaa Ala Xaa Gly Glu Gly Arg Asn Gln Gly Met Ser Ala Gly Arg Ala
85 90 95

Leu Gly Ala Leu Ser Xaa Thr Xaa Asp
100 105

<210> 7564
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7564
Xaa Xaa Arg Pro Gly Pro Ser Pro Leu Pro His Arg Asp Arg Asp Arg
1 5 10 15

Asp Arg Glu Arg Glu Arg Xaa Glu Arg Ser Arg Glu Arg Asp Lys Glu
20 25 30

Arg Glu Arg Xaa Xaa Ser Arg Ser Arg Xaa Arg
35 40

<210> 7565
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7565
Trp Ile Thr Val Ala Gly Cys Asn Phe Tyr Gln Phe Leu Xaa Leu Leu
1 5 10 15

Ser Gln Asn Pro Phe Ser Gly Lys Gly Asp Pro Ile Asn Phe Lys Asn
20 25 30

Leu Thr Leu Lys His Xaa Leu Ala Met Gly Ala Trp Xaa
35 40 45

<210> 7566
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2 I_>

<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7566
Xaa Ser Xaa Arg Ser Met Lys Ala Xaa Thr Pro Cys Arg Val Pro Val
1 5 10 15

Arg Asn Ser Arg Val Asp Pro Arg Val Arg Glu Xaa Cys Gly Asn Leu
20 25 30

Pro Ser Gln Arg Pro Gly
35

<210> 7567
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO_ 0122920A2 1 >

<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7567
Asp Leu Val Trp Lys Pro Pro Leu Ser Xaa Gly Xaa Xaa Xaa Lys Leu
1 5 10 15

Xaa Asn

<210> 7568
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7568

Ile Cys Arg Ser Ile Ser Trp Lys Pro Gln Phe Phe Ile Pro Xaa Lys
1 5 10 15

Lys Ala Val Phe Arg Trp Glu Arg Lys His Leu Arg Leu Leu Thr Phe
20 25 30

Gly Phe Xaa Arg Lys Ser Ser Gln Trp Cys Ser Asn Ile Thr Arg Asp
35 40 45

Xaa Leu Xaa Xaa Xaa Ile Gly Xaa Leu Lys Xaa Glu Gly Ser Pro Xaa
50 55 60

Gln Thr Pro Ser Ser Gly Gln Xaa Xaa Ser Ser Pro Xaa Gln Ala Lys
65 70 75 80

Cys Lys Lys Ile Gln Leu Gly Lys His Asn
85 90

BNSDOCID: <WO___0122920A2 I >

<210> 7569
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7569
Xaa Arg Arg Leu Xaa Val Asp Pro Leu Glu Xaa Thr Xaa Ser Trp Tyr
1 5 10 15

Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly
20 25 30

Phe Phe Arg Tyr Ser Ser Phe Ile Leu His Gln Asn Leu Ile Ser Cys
35 40 45

Asn Val Xaa Xaa Trp Pro Arg Ala Xaa Pro Ser Glu Asp Xaa Xaa Glu
50 55 60

Lys His
65

<210> 7570
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO _ 0122920A2 I >

<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7570
Xaa Xaa Ile Xaa Leu Cys His Leu Tyr Leu His Leu Pro Pro Phe Thr
1 5 10 15

Leu Thr Asn Xaa Phe Leu Ser Cys Ala Tyr Met Tyr Ser Leu Phe Pro
20 25 30

Asn Thr Gly Ile Ile Thr Ser Asn Asn Tyr Ser Ile Leu Ser Leu Ser
35 40 45

Phe Xaa Asp Phe Pro Xaa Trp Gly Glu Glu Asp Tyr Xaa Leu Tyr Lys
50 55 60

Asn Xaa Asn Lys Ile Phe Gln Thr Cys Arg Ile
65 70 75

<210> 7571
<211> 69
<212> PRT
<213> Homo sapiens

<400> 7571
Asn Arg Tyr Asn Phe Lys Ala Thr Asn Leu Thr Thr Arg Ser Ser Ala
1 5 10 15

Gly Glu Gly Gln Gly Gly Gln Asn Arg Gly Val Trp Leu Gly Val Gly
20 25 30

Gly Val Lys Ser Leu His Pro Ser Ser Ile His Tyr Thr Asn Ile Leu
35 40 45

Met Arg Tyr Val Phe Ile Lys Cys Leu Gln Met Phe Ile Thr Phe Gly
50 55 60

Ser Glu Phe Tyr Ile
65

<210> 7572
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7572
Gln Leu His Leu Leu Leu Gly Lys Leu Xaa Arg Leu Gln Val Pro Val
1 5 10 15

Arg Asn Ser Arg Val Asp Pro Arg Phe Xaa Gln Arg Gly Glu Pro Val
20 25 30

Gly Asn Xaa Asn Ile Leu Leu Tyr Ile Tyr Ile Tyr Ile Phe Val Gln
35 40 45

Thr Asn Arg Thr Cys Arg Trp Gly Ser Arg Pro Trp Cys Tyr Leu Lys
50 55 60

Lys Lys Arg Leu Cys Val Gln Met Asn Asp Lys Leu Ser Ala Ser Pro
65 70 75 80

Ser Ala Pro Leu Gln Ala Pro Ala Gly Gly Pro Val Ser Lys Leu Met
85 90 95

Gln Ser Val

<210> 7573
<211> 59
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I_ >

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7573
Gly His Cys Ser Gly His Pro Gly Ala Gly Ser Leu Val Glu Val Arg
1 5 10 15

Arg Val Asn Leu Val Lys Gly Arg Glu Asp Ser Ser Leu Arg Val Ser
20 25 30

Arg Pro Cys Leu Leu Gly Val His Phe Gly Ser Leu Ala His Pro Gly
35 40 45

Arg Thr Arg Xaa Trp Leu Lys Ala Pro Pro Xaa
50 55

<210> 7574
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7574
Ala Xaa Lys Cys Thr Xaa Ala Met Gly Gly Phe Ser Ala Lys Xaa Arg
1 5 10 15

Met Ile Xaa Asn Ser Leu Asn Leu Lys Ala Leu Thr Gln Xaa
20 25 30

<210> 7575
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7575
Gly Cys Pro Leu Pro Cys Gly Pro Ser Pro Gly Asp Xaa Pro Val Lys
1 5 10 15

Xaa Ser Ala Val Thr Tyr Xaa Gly Pro Ser Pro Gln Gln Gln Ile Leu
20 25 30

Leu Leu Ala Leu Asp Leu Arg Val Xaa Leu Tyr Pro Ala Ser Arg
35 40 45

<210> 7576
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7576
His Xaa Pro Ser Gly Ser Gln Thr Ile Arg Asn Lys Arg Lys Asn Phe
1 5 10 15

Leu Pro Leu Ser Pro Arg Gly Tyr Gly Lys Leu Leu Xaa Val His Arg
20 25 30

Met Gly Ala Gly Val Ile Leu Ser Xaa Phe Pro Ser Ser Xaa His Ile
35 40 45

Leu Asp His Leu Asn Ile Pro Trp Xaa Gly Ser Lys Gly Lys Ser Gly
50 55 60

Ile Gly Pro Arg Arg Lys Gln Pro Arg Thr Leu Ser Cys Asn Lys Gln
65 70 75 80

Asp Pro Asp

<210> 7577
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7577
Arg Arg His Arg Pro Asn Gln Gly Glu Xaa Arg Xaa Thr Arg Lys Gln
1 5 10 15

Glu Lys Thr Lys Ser Glu Gly Asp Arg Asp Lys His Gly Xaa Lys Xaa
20 25 30

Met Asp Met Ser Ile Pro Leu Thr Gly Glu Glu Xaa
35 40

<210> 7578
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7578
Xaa Leu Gly Lys Lys Pro Arg Glu Ala Thr Asn Glu Val Trp Xaa Pro
1 5 10 15

Leu Xaa Xaa Trp Pro Pro Gly Xaa Pro Gly Asn Lys Ala Asn Ala Gly
20 25 30

Ala Met

<210> 7579
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7579
Val Lys Ser Ser Leu Asp Thr Leu Met Asp Thr Leu Gly Arg Ala Cys
1 5 10 15

Pro Lys Leu Leu Xaa Ser Leu Ile Leu Ser Glu Ala Thr Thr Gln Xaa
20 25 30

Ser Gly Lys Val Gln Lys Ala Gly Ile Phe Tyr Leu Ser Phe Leu Lys
35 40 45

Gly Phe Lys Phe Xaa Thr Phe Leu Asn Lys Gly Tyr Lys Gly
50 55 60

<210> 7580
<211> 53
<212> PRT
<213> Homo sapiens

<400> 7580
Gly His Ser Pro Leu Glu Ala Gly Lys Ala Pro His Gln Ala Leu Gln
1 5 10 15

Phe Leu Thr Gln Glu Val Ala Asp Ser Ser Ala Ser Gly Leu Pro Val
20 25 30

Pro Ala His Glu Ala Leu Gly Gly Glu Trp Arg Leu Ser Leu Phe Leu
35 40 45

Leu Ala Leu Glu Ala
50

<210> 7581
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7581
Gly Lys Ala Val Ile Ser Arg Ser Asn Val Ala Trp Gly Arg Glu Ser
1 5 10 15

Pro Val Ser Cys Ile Arg Ser Leu Lys Asn Asn Val Glu Asp Leu Asp
20 25 30

Ser Ser Pro Val Phe Ala Val Pro Cys Pro Gly Val Gly Pro Ala Leu
35 40 45

Phe Met Val Pro Arg Arg Leu Pro Gln Glu Gly Leu Trp Thr Glu Gly
50 55 60

Arg Ser Ile Ser Ser Leu Xaa Leu Phe Leu Ser Lys Lys Pro Gly Leu
65 70 75 80

Thr Ser Ile Leu Pro Leu Xaa Ser Gln Glu Glu Cys Pro Asp Pro Leu
85 90 95

Xaa Leu Xaa His Pro Phe Met Gly
100

<210> 7582
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7582
Xaa Lys Ser Xaa Leu Xaa Phe Gly Gly Lys Lys Lys Ala Pro Gly Phe
1 5 10 15

Asn Arg Pro Leu Gly Gln Gly Gly Xaa Pro Arg Gly Phe Pro Gly Glu
20 25 30

Asn Phe Pro Pro Gly Val Ser Gly Thr Pro Asn Gly Pro Phe Pro Ala
35 40 45

Phe Pro Ala Gly Ile Thr Lys Phe Lys Gly Asn Gly Ala Trp
50 55 60

<210> 7583
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7583
Xaa Ser Gln Ala Xaa Gly Tyr Leu Glu Glu Glu Gly Pro Trp Val Thr

```
 1               5                  10                  15

Cys Arg Ala Gly Ser Gly Leu Ala Ala Pro Arg Ala Ala His Leu Gly
            20                  25                  30

Trp Gly Thr Ala Arg Val Ser Arg Thr Trp Arg Ala Val Val Pro Val
        35                  40                  45

Val Arg Val Arg Ile Glu Gly Leu Gly Gly Ser Arg Gly Glu Pro Ala
    50                  55                  60

Leu Ser Pro Ala Xaa Xaa Thr Pro Asp His Gly Gly Leu Gly Pro Gly
65                  70                  75                  80
```

<210> 7584
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO _ 0122920A2 I >

<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7584
Xaa Xaa Ile Leu Ala Ser Ala Cys Gly Ala Gly Gly Thr Arg Phe Pro
1 5 10 15

Pro Pro Arg Gly Ser Ala Ser Gly Leu Val Leu Ser Pro Ala Ala Pro
20 25 30

Cys Arg Arg Ser His Arg Ser Ser Tyr Arg Arg Glu Trp Arg Ala Asp
35 40 45

Gln Gly Ala Ala Gly Leu Pro Ser Xaa Ile His Val Ser Leu Arg Xaa
50 55 60

Arg Gly Pro Xaa Glu Pro Ala Xaa Met Pro Leu Gly Leu Lys Pro Thr
65 70 75 80

Cys Ser Arg Met Gln Asp His
85

<210> 7585
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7585
Thr Phe Gln Val Phe Leu Asn Leu Ser Met Leu Ser Leu Asn Leu Leu
1 5 10 15

Gln Gly Phe Tyr Asn Cys Arg His Val Ser Xaa Tyr Arg Arg Glu Ala
20 25 30

Val Phe Xaa Ser Cys Ile Phe Leu Xaa Phe Gln Lys Leu Gln Met Xaa
35 40 45

Ile Ile Ser Phe Lys His Cys Leu Asn Ser Asn Trp Lys Ile Thr Ala
50 55 60

Val Ser Pro Thr Xaa Ala Phe Pro Leu Leu Gln Glu Glu Asn Asp Tyr
65 70 75 80

<210> 7586
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7586
Gly Phe Glu Leu Xaa Pro Cys Leu Leu Val Gly Trp Pro Arg Ile Lys
1 5 10 15

Gly Xaa Xaa Trp Pro Phe Lys
20

<210> 7587
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7587
Gly Ser Arg Ala Pro Cys Ser Pro Arg Val Leu Pro Trp Val Ser Pro
1 5 10 15

Cys Gln Val Phe Arg Glu Cys Pro Pro Thr Pro Ala Pro Phe Cys Val
20 25 30

Ala Pro Ala Thr Ser Val Leu Trp Asp Thr Gly Leu Ser Pro Ser Ser
35 40 45

Arg Val Leu Val Cys Leu Ser Val Pro Trp Thr Cys Pro Gln Gly Pro
50 55 60

Arg Leu Trp Leu Xaa Xaa Pro Xaa Arg Leu Ala Ala Glu Thr Pro Cys

65 70 75 80

Ala Arg Pro Ala Xaa Gly Ser Phe Lys Glu Cys Val Gly Asn Cys Xaa
85 90 95

Thr Cys Ile Xaa Gly Thr Gly Arg
100

<210> 7588
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7588

Xaa Leu Arg Ile Lys Gly Ser Gly Val Arg Trp Ile Xaa Ala Ile Met
1 5 10 15

Leu Xaa Lys Xaa Xaa Leu Xaa Xaa Leu Ala Xaa Lys Ser Thr Gly His
20 25 30

Phe Ile Gly Thr Phe Xaa Glu Xaa Met Ile Val Cys Glu Ile Leu Thr
35 40 45

His Pro His Xaa Gln Asn Xaa Xaa Cys Pro Trp Ile Xaa Cys Thr Gly
50 55 60

Xaa
65

<210> 7589
<211> 53
<212> PRT
<213> Homo sapiens

<400> 7589
Leu Leu Ile Gly Arg Phe Ser Phe Tyr Ser Ser Thr Glu Lys Lys Ile
1 5 10 15

Ile Val Ile Ile Ile Arg Gln Cys Ser Val Val Leu Gln Ser Ile Ile
20 25 30

Val Ser Val Leu Phe Cys Phe Leu Arg Cys Leu Glu Asn Gly Glu Cys
35 40 45

Val Thr Val Ser Asn
50

<210> 7590
<211> 63
<212> PRT
<213> Homo sapiens

<400> 7590
Asn Val Leu Val Leu Phe Leu Ser Leu Asp Phe Met Tyr Phe Glu Pro
1 5 10 15

Gln Ile Leu Ser Ser Ser Asp Leu Lys Ile Leu Ser Tyr Thr Gln Ser
20 25 30

Pro Leu Thr Phe Leu Trp Asp Cys Leu Ile Tyr Glu Lys Ser Leu Glu
35 40 45

Lys Ser Leu Ile Glu Thr Phe Arg Phe Arg Asn Thr Cys Thr Ile
50 55 60

<210> 7591
<211> 174
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (160)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (161)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (173)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7591

```
Ala Xaa Arg Gln Leu Leu Val Asp Ser Val Thr Asp Ser Val Leu Gly
  1               5                  10                  15

Pro Asn Gly Asp Val Thr Gly Thr Pro His Thr Ser Pro Asp Gly Arg
             20                  25                  30

Phe Ile Val Ser Ala Ala Ala Asp Ser Pro Trp Leu His Val Gln Glu
         35                  40                  45

Ile Thr Val Arg Gly Glu Ile Gln Thr Leu Tyr Asp Leu Gln Ile Asn
     50                  55                  60

Ser Gly Ile Ser Asp Leu Ala Phe Gln Arg Ser Phe Thr Glu Ser Asn
 65                  70                  75                  80

Gln Tyr Asn Ile Tyr Ala Ala Leu His Thr Glu Pro Asp Leu Leu Phe
                 85                  90                  95

Leu Glu Leu Ser Thr Gly Lys Val Gly Met Leu Lys Asn Leu Lys Glu
            100                 105                 110
```

```
Pro Pro Ala Gly Pro Ala Xaa Pro Trp Gly Gly Thr His Arg Ile Met
        115                 120                 125

Arg Asp Ser Gly Leu Phe Gly Gln Tyr Leu Leu His Gln Pro Glu Ser
    130                 135                 140

His Cys Ser Ser Ser Met Gly Asp Lys Asn Thr Leu Arg Cys Glu Xaa
145                 150                 155                 160

Xaa Arg Tyr Lys Gly Gly Gly Pro Xaa Trp Cys Trp Xaa Gly
                165                 170
```

<210> 7592
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7592

```
Gly Glu Asp Asp Glu Glu Asp Thr Gly Val Cys Xaa Leu Xaa Pro Phe
  1               5                  10                  15

Asp Leu Xaa Tyr Xaa Asp
            20
```

<210> 7593
<211> 60

BNSDOCID: <WO_ 0122920A2 I >

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7593
Ile Leu His Phe Phe Leu Leu Gly Asn Ile Ile Cys Gly Arg Arg Gln
1 5 10 15

Pro His Phe Ile Cys Pro Tyr Ser Cys Gly Ser Ser Ile Cys Phe Leu
20 25 30

Pro Glu Cys Ser Leu Gly Leu Leu Lys Xaa His Glu Ser Asn Leu Glu
35 40 45

Val Ser Leu Ser Asn Lys Ala Val Phe Leu Pro Phe
50 55 60

<210> 7594
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7594
Xaa Xaa Leu Glu Ala Asn Pro Glu Gly Arg Xaa Glu Asn Ser Trp Ile
1 5 10 15

Ser

<210> 7595
<211> 105
<212> PRT
<213> Homo sapiens

<400> 7595
Lys Ser Tyr Gly Gly Gly Ser Asn Pro Asp Ser Glu Ser Asn Ser Arg
1 5 10 15

Cys Trp Asn Trp Ala Gly Pro Val Ser Ser Leu Ala Leu Asn Phe Asn
20 25 30

Pro Phe Asn Lys Gly Leu Gly Lys Met Ile Ser Glu Val Leu Ser Ile
35 40 45

Ser Val Gln Leu Ser Leu Glu Gly Gln Val Leu Asp Thr Gln Thr Asp
50 55 60

Asp Gly Thr Ala Gln His Gln Ala Gln Pro Leu Val Gly Ser Val Cys
65 70 75 80

Ala Ala Ala Leu Val Leu Asn Asn Asn Asn Thr Met Val Pro Leu Thr
85 90 95

Glu Ile Tyr Gly Ala Leu Phe Arg Pro
100 105

<210> 7596
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7596
Thr Asn Tyr Arg Ala Leu Xaa Ser Val Xaa Ala Xaa Ser Tyr Gly Ser
1 5 10 15

Pro Asp Gly Gln Gln Arg Arg Ser Ala Ser Met Arg Xaa Leu Gly Ala
20 25 30

Leu Val Pro
35

<210> 7597
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7597
Cys Phe Thr Tyr Ser Gln Asn Cys Xaa Asp Lys His Thr Xaa Ile Ile
1 5 10 15

Val Ala Thr Pro Trp Glu Ile Ala Gly Xaa Ile Leu Leu Arg
20 25 30

<210> 7598
<211> 131
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7598

```
Pro Arg Trp Cys Cys Leu Ala Pro Gly Arg Ile Pro Val Leu Ala Ala
  1               5                  10                  15

Ser Arg Gly Leu Gly Cys Arg Leu Ala Gly Ala His Ala Ala Ile Pro
             20                  25                  30

Phe Ala Ala Ile Arg Val Thr Cys Ile Gly Ser Cys Gly Val Ser Asn
         35                  40                  45

Lys Ala Asn Asp Thr Ala Trp Val Val Glu Glu Gly Tyr Phe Asn Ser
     50                  55                  60

Ser Leu Ser Leu Ala Asp Lys Gly Ser Leu Pro Ala Gly Glu His Ser
 65                  70                  75                  80

Phe Pro Phe Gln Phe Leu Leu Pro Ala Thr Ala Pro Thr Ser Phe Glu
                 85                  90                  95

Gly Pro Phe Xaa Lys Ile Val His Gln Val Lys Ala Ala Ile Gln Thr
            100                 105                 110

Pro Xaa Phe Ser Lys Asp His Lys Xaa Lys Pro Arg Gly Leu Tyr Leu
        115                 120                 125

Glu Pro Leu
    130
```

<210> 7599
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7599

```
Pro Asp Cys Cys Phe Lys Gln Pro Gly Ser Leu Pro Ser His Trp Ala
  1               5                  10                  15

Gly Thr Pro Ser Trp Ala Leu Gln Pro Cys Pro Leu Ala His Thr Met
             20                  25                  30

Asp Arg Ala Leu Ile Ser Pro Trp Asp Gly Val Pro Gln Gly Gly Glu
         35                  40                  45

Gly Cys His Leu Gly Trp Met Asp Asp Ser Thr Val Pro Xaa Leu Xaa
     50                  55                  60

Ala Leu Xaa Lys Ser Lys Leu Met Gly Gln Xaa Xaa
 65                  70                  75
```

<210> 7600
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7600
Gly Cys Thr Ala Gly Lys Ser Leu Ser Lys Leu Leu Ala Trp Ser Pro
1 5 10 15

Val Ser Ser Pro Pro Arg Gly Ser Ser Pro Xaa Phe Thr Phe Pro Phe
20 25 30

Ser Leu Ser Cys Ala Glu Cys Pro Thr Pro Ala Leu Phe Pro Phe Trp
35 40 45

Val Ser Leu Leu Gly Xaa Gly Xaa Xaa Val Ser Pro Thr Gly
50 55 60

<210> 7601
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7601
Ser Ser Asp Pro Ile His Pro Ser Ala Val Xaa Thr His Gln Arg Gly
1 5 10 15

Ala Ala Leu Thr Leu Pro Met Gln Leu Gly Arg Gly Glu Arg Arg Arg
20 25 30

His Ser Lys Leu Lys Leu Phe Ala Val Ser Ser Xaa Xaa Xaa Lys Pro
35 40 45

Xaa Xaa Ser Ser Pro Asn Xaa Gly Xaa Lys Ala Lys Ser Xaa Xaa Arg
50 55 60

Leu Gln Xaa Arg Gly Lys Ala Pro Ser Ala Pro Glu Xaa Pro Xaa Val
65 70 75 80

Leu Gly Leu Gly Gly Thr Leu Gln His Xaa Leu Leu Trp Thr Pro Glu
85 90 95

Gly Arg Ile

<210> 7602
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7602
Pro Ala Ser Cys Pro Thr Gly Ser Pro Ala Val Pro Val His Leu Pro
1 5 10 15

Ala His Pro Gly Thr Cys Pro His Cys Leu Leu Pro Ala Leu Cys Gly
20 25 30

Arg Thr Glu Ala Lys Arg Arg Ser Leu Glu Leu Trp Ser His Gly Asn
35 40 45

Gly Ser Leu Pro Thr Thr His Ala Cys Pro Ala Phe Leu His Ala Leu
50 55 60

Lys Arg Gly Glu Trp Asn Leu Leu Gly Pro Gly Asn Ala Pro Leu Leu

65 70 75 80

Arg His Ser Leu His Tyr Ser Leu Ala Ser Ser Val Gly Asn Ser Leu
85 90 95

Pro Ile Gly Val Pro Arg Gln Thr His Arg Glu Ser Trp Gln Asn Phe
100 105 110

Xaa Phe

<210> 7603
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7603
Trp Thr Asp Tyr Gly Thr Leu Arg Leu Ala Cys Thr Gly Ser Xaa His
1 5 10 15

Xaa Xaa Glu Asn Arg Ser Leu Ala Leu Pro Leu Pro Val Ala Gly Leu
20 25 30

Thr Ala Cys Pro Pro Ala Cys
35

<210> 7604
<211> 29
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7604
Thr Tyr His Leu Ala Phe Leu Leu Ala Leu Met Asn Leu Asn Phe Xaa
1 5 10 15

Pro Asn Val Asp Ala Leu Xaa Xaa Leu Xaa Xaa Glu Pro
20 25

<210> 7605
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7605
Ala Ser Ser Arg Ser Arg Ala Ala Xaa Ile Ser Leu Gly Xaa Phe Tyr
1 5 10 15

Asn Xaa Xaa Phe Trp Gly
20

<210> 7606
<211> 64
<212> PRT
<213> Homo sapiens

<400> 7606
Ala Gly Leu Thr Ala Pro Ser Met Gly Pro Ile Leu Tyr Leu Val Leu
1 5 10 15

Ser Trp Ser Lys Gly His Leu Gln Cys His Lys Tyr Pro Tyr Ile Arg
20 25 30

Lys Lys Met Ile Ser Tyr Gln Leu Ala Leu Thr Asn Val Leu Leu Ile
35 40 45

Glu Gln Pro Thr His Ser Val Asp Tyr Val Asn Leu Ser Gly Leu Leu
50 55 60

<210> 7607
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__0122920A2 I >

<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7607
Gly His Ala Cys Xaa Ile Phe Gly Ile Ser His Xaa Asn Tyr Phe Arg
1 5 10 15

Leu Glu Gln Val Ala Thr Gln Leu Xaa Thr Glu Leu His Gln Arg Xaa
20 25 30

Xaa Thr Trp Met Xaa Arg Asp Leu Ala Ser Val Xaa Xaa Xaa Gln Gln
35 40 45

Xaa Xaa Xaa Trp Ile Xaa Leu Ser
50 55

<210> 7608
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7608
Ser Phe Xaa Leu Ile Asn Leu Leu Pro Ile Asn Ala Val Xaa Pro Thr
1 5 10 15

Ser Ser Gln Gln Ile Pro Xaa Arg Glu Thr Xaa Glu Ala Asn Lys Glu
20 25 30

Arg Arg Lys Met Thr Ser Lys Ser Ser Glu Ser Asn Ile Tyr Ser Pro
35 40 45

Leu Thr Xaa Phe Ile Thr Ala Asp Ser Glu Leu His Asp Ile Ile Lys
50 55 60

Asp Leu Glu Asp Xaa Leu Met Val Gly Leu His Thr Cys Gly Asp Leu
65 70 75 80

Gly Ser Lys Tyr Phe Ala Asn Ile Tyr Leu Gln Leu
85 90

<210> 7609
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7609
Pro Lys His Ile Asn Leu Xaa Thr Asp Leu Thr Ser Asp Gln Gly Gln
1 5 10 15

Asp Pro Xaa Trp Glu Val Ile Leu Asp Tyr Thr Ser Leu Leu Trp Ser
20 25 30

Gly Cys Lys His Cys Ser Xaa Ser Glu Cys Gly Phe Thr Leu Asn His
35 40 45

Pro Xaa Tyr Thr Gly Leu Ile Xaa Cys Leu
50 55

<210> 7610
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7610
Leu Trp Xaa His Xaa His Xaa Lys Asn Ile Ala Trp Lys Lys Lys
1 5 10 15

<210> 7611
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7611
Ser Val Thr Glu Gly Arg Leu Cys Xaa Val Ser Cys Ile Phe Leu Phe
1 5 10 15

Phe Gln Lys Leu Gln Met Phe Ile Ile Ser Phe Lys His Cys Leu Asn
20 25 30

Ser Asn Trp Xaa Ile Thr Ala Val Xaa Arg Arg Gly Leu Ser Leu Tyr
35 40 45

Phe Met Arg Arg Met Thr Thr Asn Leu Glu Glu Arg Ser Tyr Tyr Xaa
50 55 60

Thr Gln Asp His Gln Ser Met Cys Arg Thr Leu Ser Xaa Leu Ile
65 70 75

<210> 7612
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7612
Arg Gly Ser Asp Phe Leu Val Thr Trp Glu Ser His Asp Leu Xaa Pro
1 5 10 15

Asp Ser Xaa Xaa Xaa Leu Trp Val Ile Asn Ile Gly
20 25

<210> 7613
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7613
Gly Thr Val Asp Pro Ala Pro Gly Thr Ala Ser Val Leu Leu Ala Ala
1 5 10 15

His Gly Arg Glu Arg Gly Ala Ala Ala Arg Arg Ser Arg Met Pro Pro
20 25 30

Gly Pro Glu Val Leu Gln Arg Pro Gly Arg Gly Arg Pro Arg Leu Gly
35 40 45

Gly Arg Arg Thr Ser Gly Glu Glu Ala Gln Glu Arg Trp Arg Leu Gly
50 55 60

Ala Ala Arg Glu Ala Ala Xaa Ala Glu Xaa Xaa Ala Ala His Gly Leu
65 70 75 80

Phe Gly

<210> 7614
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7614
Asp Met Xaa Thr Gln Leu Asp Thr Pro Gly Xaa Trp Gln Phe Pro Asp
1 5 10 15

Pro Xaa Met Ile
20

<210> 7615
<211> 74
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I >

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7615
Val Tyr Ala Xaa Thr Pro Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser
1 5 10 15

Thr His Ala Xaa Glu Val Arg Trp Ala Leu Xaa Thr Leu Xaa Ile Thr
20 25 30

Thr Ser Arg Lys Asp Glu Val Arg Asp Leu Val Leu Xaa Phe Gly Met
35 40 45

Pro Leu Xaa Leu Asp Ser Gln Ser Cys Arg Leu Gly Lys Met Leu Xaa

BNSDOCID: <WO__ 0122920A2_I_>

50 55 60

Leu Ser Trp Ser Ala Ser Cys Xaa Ile Gln
65 70

<210> 7616
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7616
Arg Xaa Gly Xaa Glu Trp Xaa Leu Lys Gly Gly Xaa Lys Ile Ser Leu
1 5 10 15

```
Gly Gly Leu Leu Thr Gly Leu Tyr Ser Xaa Ser Lys Gly Ile Cys Asp
            20                  25                  30

His Val Trp Gly Gly Thr Gly Glu Thr His Gly Val Leu Glu Ala Leu
        35                  40                  45

Xaa Ala Xaa Asp Gly Arg Ala
    50                  55
```

<210> 7617
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7617

```
Trp Tyr Ala Thr Asn Xaa Lys Leu Ile Thr Trp Leu Xaa Leu Gln Phe
 1               5                  10                  15

Asn Gly Thr Thr Ile Leu Phe Pro Trp Trp Xaa Leu Thr Leu Pro Asn
```

20 25 30

Gln Gln Thr His Ser Cys Gln Asp Arg Lys Gln Lys Xaa Xaa Lys Pro
35 40 45

Val Ile Arg Xaa
50

<210> 7618
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7618

BNSDOCID: <WO___0122920A2 I_>

```
Xaa Pro Xaa Xaa Leu Ala Asn Ser Gln Arg Phe Lys Gly Xaa Lys Gly
  1               5                  10                  15

Pro Arg Arg Pro Pro Gly Ser Gly Ile Pro Gly Ser Thr His Ala Ser
             20                  25                  30

Gly Cys Ala Arg Glu Trp Val Trp Arg Pro Gly Xaa Gly Arg Xaa Xaa
         35                  40                  45

Thr His
     50
```

<210> 7619
<211> 50
<212> PRT
<213> Homo sapiens

<400> 7619

```
Ile Asn Asn Ser Val Asn Val Tyr Ile Val Asn Asn Cys Ile Ala Leu
  1               5                  10                  15

Gly Trp Asn Arg Asp Ala Arg Arg Tyr Arg Thr Met Trp Asn Ser Glu
             20                  25                  30

Lys Gly Ala Leu Lys Asn Glu Ile Leu Leu Phe Leu Pro Gly Glu Ser
         35                  40                  45

Arg Cys
     50
```

<210> 7620
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7620
Pro Leu Leu Ile Cys Ser Leu Arg Glu Thr Arg Leu Pro Asn Ala Lys
1 5 10 15

Met Val Asn Xaa Gln Leu Glu Glu Xaa Asp Gln Asp Val Cys Leu Arg
20 25 30

Xaa Lys Gly Glu Glu Xaa Xaa Val Gly Ser Met Phe Ala Ser Asp Ile
35 40 45

Glu Gly Glu Arg Asn Lys Asn Tyr Lys
50 55

<210> 7621
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7621
Gln Xaa Ile Asp Leu Glu Gly Tyr Lys Ile Asn Asn Xaa Ala Glu Trp
1 5 10 15

Cys Leu Gln Val Phe Thr Val Asp Ser Glu Leu Arg Cys Glu Gly Met
20 25 30

Arg Arg His Arg Trp Val Trp Lys Pro Pro Ala

35 40

<210> 7622
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7622
Gly Lys Asp Asp Xaa Ser Ile Leu Xaa Thr Leu Arg Pro Thr Ala Asp
1 5 10 15

Arg Glu Glu Gly Glu Cys Gly Gly Xaa Glu Glu Gly Gly Arg Xaa Ala
20 25 30

Gly Gly

<210> 7623
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 I >

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7623
Thr Xaa Thr His Gly Ser Ile Thr Ala Ile Xaa Xaa Ala His His Xaa
1 5 10 15

Ser Thr Glu Leu Asn Val Tyr Thr Val Asp Pro Glu Ile Ser Thr Gly
20 25 30

His Xaa Xaa Gln Xaa Xaa
35

<210> 7624
<211> 44
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I >

<400> 7624
Leu Val Thr Leu Thr Pro Thr Pro Gln Pro Leu Val Leu Gly Thr Leu
1 5 10 15

Ile Pro Thr Leu Gly Pro Leu Pro Leu Gly Ser Ser Asn Gly Trp Thr
20 25 30

Ala Gly Leu Trp Ser Gly Trp Ser Ile Ala Val Ala
35 40

<210> 7625
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7625
Cys Xaa Trp Ala Asn Pro His Xaa Glu Ser Arg Gly Lys Gly Xaa His
1 5 10 15

Leu Ser Pro Arg Gly Gly Xaa Ser Gln Ser Trp Val Glu Lys Thr Pro
20 25 30

Leu

<210> 7626

<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7626
Asn Leu Xaa Leu Xaa Leu Asp Cys Leu Asp Val Leu Xaa Pro Leu Gly
1 5 10 15

His Xaa Xaa Ile Ile Glu Gln
20

<210> 7627
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7627

```
Val Thr Ser Phe Ser Ser Asn Phe Phe Ile Gln Glu Asn Met Val Ile
  1               5                  10                  15

Tyr Tyr Lys Cys Leu Tyr Leu Ser Leu Ser Gly Leu Trp Ile Ile Leu
             20                  25                  30

His Ile Ala Thr Glu Ile Trp Glu Phe Leu Leu His Thr Ala Glu Xaa
         35                  40                  45

Ile Gln Ser Ala Ala Arg Ser Cys His Pro Glu His Arg Arg Leu Leu
     50                  55                  60

Cys Ser Ser Leu Gly Thr Gly Pro His Gly His Arg Ser Ser Xaa Lys
 65                  70                  75                  80

Gly Arg Lys Gly Gly Val Lys Pro Lys Phe Lys Pro Gly Ile Phe Asn
                 85                  90                  95

Phe Ser Pro
```

<210> 7628
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7628
Xaa Glu Xaa Ala Cys Phe Xaa Pro Trp Val Gly Arg Leu Gln His Lys
1 5 10 15

Xaa Lys Thr Asn Ser Xaa Gln Ala Phe Leu Lys Arg Leu Ile Met Cys
20 25 30

Ile Lys Val Gln His Arg Arg Val Pro Leu Asn Leu Pro Cys Phe Cys
35 40 45

Phe Phe Arg Phe Ala Ile Pro Leu Leu Xaa Gly Leu Tyr Xaa Val Ala
50 55 60

Val Ile Lys Cys Pro Lys Gln Gly
65 70

<210> 7629
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7629
Asp Asn Thr Cys Leu Leu Lys Ser Val Ala Ile Xaa Xaa Ala Xaa Ile
1 5 10 15

Trp Xaa Xaa

<210> 7630
<211> 13
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7630
Ala Xaa Leu Xaa Xaa Leu Asn Gln Ile Leu Asn Lys Glu
1 5 10

<210> 7631
<211> 75
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2 I >

<400> 7631
Leu Lys Val Val Pro Gly Tyr Ala His Thr Val Gly Gln Lys His Arg
1 5 10 15

Gln Ile Cys Ser Ile Ser Lys His Val Gly Ala Glu Phe His Leu Phe
20 25 30

Gln Val Asn Ile Cys Val Ser Met Pro Asp Ser Gln Pro Trp Thr Cys
35 40 45

Thr Ser Ala Ile Thr Trp Pro Trp Met Asp Glu Gly Gly Trp His Val
50 55 60

Asn Arg Asn Trp Thr Arg Glu Thr Thr Lys Glu
65 70 75

<210> 7632
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7632
Ile Tyr Pro Leu Phe Ile Gln Ser Met Leu Ser Arg Ser Phe Asn Ser
1 5 10 15

Asn Phe Thr Thr Val Ser Ser Phe His Cys Gly Ser Ser Arg Asp Leu
20 25 30

His Gly Ser Gln Gly Ser Leu Ala Leu Ser Val Ala Asp Arg Arg Gly
35 40 45

Xaa Gly Gly His Ile Xaa Arg Val Ser Thr Tyr Thr Arg Pro Ile Leu
50 55 60

Leu Ala Cys Arg Arg Glu Asn Pro Lys Phe
65 70

<210> 7633
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7633

Lys His Lys Cys Ser Met Ser Xaa Leu Lys Ile Tyr His Xaa Phe Val
1 5 10 15

Thr Phe Ile Trp Ser Ile Ser Ser Xaa Thr Tyr Ile Ser Xaa Ile Leu
20 25 30

Lys Lys Lys Trp Thr Gly Pro Xaa Asn Ala Xaa Xaa Pro Cys Xaa Xaa
35 40 45

Xaa Phe Thr His Thr Cys Xaa Gly Asp Ala Val Xaa Ala Glu Xaa Trp

50 55 60

Ser Xaa Asn Trp Xaa Xaa Xaa
65 70

<210> 7634
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7634
Lys Ile Lys Leu Leu Xaa Phe Arg Phe Phe Ser Val Pro Lys Met Glu
1 5 10 15

Val Lys Ser Tyr Thr Lys Asn Asn Thr Ile Ala Pro Lys Lys Ala Ser
20 25 30

His Arg Ile Leu Ser Asp Thr Ser Asp Glu Glu Asp Ala Ser Val Thr
35 40 45

Val Gly Thr Gly Glu Lys Leu Arg Leu Leu Ala His Thr Asp Ile Ala
50 55 60

Trp
65

<210> 7635
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7635
Asn Ile Pro Gly Gln Xaa Asp Ala Leu Leu Lys Val Thr Leu Ser Phe
1 5 10 15

Gly Arg Ala Xaa Leu Xaa Pro Gln Thr Xaa Glu Tyr Leu Gly Gln Gln
20 25 30

Ala

<210> 7636
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7636
Leu Val Leu Asp Arg Glu Gln Pro Pro Thr Gly Ser Leu Val Phe Ile
1 5 10 15

Tyr Asn Lys Ile Val Gly Asp Thr Ser Lys Xaa Xaa Xaa
20 25

<210> 7637

<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7637
Thr Cys Arg Arg Phe Gln Pro Arg Pro Arg Cys Leu Leu Ser Ala Asp
1 5 10 15

Gly Lys Val Phe Leu Asn Leu Trp Phe Ile Pro His Ser Ser Glu Val
20 25 30

Leu Val Met Phe Lys Thr Leu Pro Glu Lys Ala Ala Phe Lys Ala Leu
35 40 45

Lys Arg Thr Leu Gln Leu Ile Ala Pro Leu His Asp Ile Val Ala Tyr
50 55 60

Leu Val Ser Phe Ala Lys Leu Gly Asn Cys Pro Xaa Cys Phe Glu Phe
65 70 75 80

Leu Xaa Xaa Pro Thr Leu
85

<210> 7638
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7638
Asn Val Arg Thr Arg Ser Pro Ile Ala Gly Ser Thr His Ala Ser Val
1 5 10 15

Ser Pro Leu Leu Leu Thr Xaa Phe Asn Thr Glu Gln Asn Ser Gly Ala
20 25 30

Lys Xaa Gly Xaa
35

<210> 7639
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7639
Xaa Arg His Gly His Gly Leu Xaa Thr Leu Pro Val Tyr Val Ala Glu
1 5 10 15

Gly Ala Xaa Gly Thr Ala Pro Pro Gly Asn Cys Arg Pro Ser Gln Lys
20 25 30

Leu Leu Lys Phe Xaa Asn Lys His Xaa Ile Trp Arg Ser Gln Ser Xaa
35 40 45

Xaa

<210> 7640
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7640
Leu Leu Arg Cys Asn Pro Ala Thr Ile Ala Ala Gly Leu His Xaa Lys
1 5 10 15

Arg Xaa Xaa Ser Lys
20

<210> 7641
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7641
Gly Lys Asn Gly Arg Thr Tyr Gln Thr Ile Lys Arg Glu Ile Pro Phe
1 5 10 15

Glu Pro Leu Xaa Leu Leu Lys Pro Glu Xaa Xaa Xaa Phe
20 25

<210> 7642
<211> 54
<212> PRT
<213> Homo sapiens

<400> 7642
Leu Gly Leu Ile Gln Thr Leu Gly Thr Lys Ser Ile Asp Trp Ser Ser
1 5 10 15

Trp Val Glu Gly Cys Leu Leu Leu Leu Asn Pro Gly Ser Glu Glu Asp
20 25 30

Trp Val Ala His Cys Val Ser Phe Thr Met Val Thr Thr Phe Pro Phe
35 40 45

Leu Thr Ser Leu Leu Ser
50

<210> 7643
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7643
Val Tyr Gly Ser Lys Lys Ile Leu Lys Asn Tyr Gln Lys Val His Lys
1 5 10 15

Asn Leu Thr Asn Ser His Val Ile Arg Leu Asn Val Leu Arg Glu Pro
20 25 30

Ala Val Phe His Thr Pro Cys Asn Leu Met Val Ile Ala Pro Gln Gln
35 40 45

Asp Lys Trp Val Thr Arg Gln Ser Ser Ser Xaa Leu Val Gly Lys Cys
50 55 60

Gln Tyr Gln His Thr Phe Lys Xaa Phe Tyr Val Asn Leu Gln Ile Xaa
65 70 75 80

Pro Gly Leu

<210> 7644
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7644
Xaa Xaa Ala Cys Xaa Asp Ser Arg Ala His Lys Leu Val Xaa Xaa Glu
1 5 10 15

Pro

<210> 7645
<211> 11
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7645

BNSDOCID: <WO__0122920A2_I_>

Glu Ile Xaa Tyr Ile Asn Lys Tyr Lys Xaa Arg
1 5 10

<210> 7646
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7646
Pro Xaa Asp Arg Asp Ala Gln Xaa Ala Val Pro Gly Phe Val Lys Xaa
1 5 10 15

His Cys Ile Gly Ser Asn Ser Xaa Thr Arg Gly Val Ser Lys Xaa Gly
20 25 30

Lys

<210> 7647
<211> 27
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7647
Val Gly Cys Ser Asp Asp Phe Gly Phe Xaa Ser Lys Asn Asp Gly Ser
1 5 10 15

His Thr Val Ile Pro Xaa Pro Xaa Cys Cys Thr
20 25

<210> 7648
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7648

Gly Asp Leu Thr Val Trp Asp Asp Lys Met Arg Cys Leu His Xaa Glu
1 5 10 15

Lys Ala His Asp Leu Gly Ile Thr Cys Xaa Asp Phe Xaa Xaa
20 25 30

<210> 7649
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7649
Gly Asn Lys Gly Asn Cys Leu Trp Leu Glu Ser Xaa Leu Gly Val Asn
1 5 10 15

Thr Xaa

<210> 7650
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _ 0122920A2 I >>

<400> 7650
His Leu Gln Lys Ile Ser Ala Pro Ala Thr Met Phe Xaa Val Arg Gly
1 5 10 15

Trp Lys Ser Xaa Xaa Lys Phe Met Val His Thr Pro
20 25

<210> 7651
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7651
Gly Thr Arg Xaa Leu Glu Arg Asn Ala Pro Gly Glu Lys Thr Asn Ala
1 5 10 15

Leu Lys Arg Ser Arg Leu Xaa Ser Ser Asn Thr Asp Asp Thr Gln Leu
20 25 30

Pro Ser Glu Xaa Ala Lys Glu Gln
35 40

<210> 7652
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7652
Ala Asn Xaa Val Pro Pro Arg Xaa Lys Thr Xaa Xaa Glu Phe Tyr Ser
1 5 10 15

His Lys Ser Asp Ala Leu Asn Met Ile Gly Xaa Val Arg Pro Ala Ser
20 25 30

Met

<210> 7653
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7653
Lys Ile His Glu Ser Ala Glu Lys Arg Leu Lys Val Ile Tyr Thr Ser
1 5 10 15

Gly Arg Arg Asn Asn His Ser Glu Gln His Thr Ser Phe Tyr Thr Ile
20 25 30

Val Leu His Cys Trp Asp Tyr Ile Xaa Ile Tyr Val Cys Xaa Pro Leu
35 40 45

Cys Glu His Xaa Ser Met
50

<210> 7654
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7654
Val Asp Ala Trp Val Val Leu Asp Arg Glu Arg Xaa Pro Phe Phe Phe
1 5 10 15

Xaa Pro Xaa Ser Pro Pro
20

<210> 7655
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7655
Ala Arg Phe Pro Xaa Asn Phe Ser Pro Phe Phe Xaa Pro Gln Leu Lys
1 5 10 15

Xaa Gln Phe Pro Lys Lys Asn Leu Gly Glu Pro Lys Asn Leu Gly Ala
20 25 30

Leu Ser Phe Pro Phe Phe Ser Pro Leu Gly Gly Glu Pro Lys Lys Ile
35 40 45

Phe Lys Gly Gly Ala Pro Xaa Lys Val Pro Leu Leu Thr Arg Xaa His
50 55 60

Leu Pro Leu Gly Pro Leu Ile Ser Trp Xaa Phe Phe Pro Phe Phe Xaa
65 70 75 80

Pro Leu Gly Xaa Trp Xaa Leu Gly Leu Leu Glu Ala Ser Trp
85 90

<210> 7656
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7656
Glu Gly Ser Leu Ser Ser Glu Thr Gln Asp Gly Xaa Ile Gly Xaa Asn
1 5 10 15

Cys Leu Leu Leu Cys Xaa Arg Ala
20

<210> 7657
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7657
Val Asp Ala Trp Ala Arg Ala Gln Ser Ser Gly Ala Pro Leu Pro Xaa
1 5 10 15

Thr Ala Xaa Arg
20

<210> 7658
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7658
Val Ala Val Thr Ala Phe Ile Ser Pro Val Ile Phe Leu Thr Glu Ile
1 5 10 15

Leu Ser Leu Ser Pro Gly Asn Ile Gly Asp Tyr Gln Asn Xaa Leu Val
20 25 30

Xaa Ala Xaa Xaa Leu Lys Ile Xaa Lys Gly Lys Asn
35 40

<210> 7659
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7659
Lys Met Lys Gly Ile Ile Tyr Asp Lys Xaa Xaa Ser Asp Ile Leu Leu
1 5 10 15

Gln

<210> 7660
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7660
Xaa Ser Ile Gly Lys Ala Gly Thr Pro Gly Gly Asn Gly Pro Glu Xaa
1 5 10 15

Pro Gly Gly Xaa Xaa Cys Ala Gly Leu Glu Leu Tyr Gly Glu Arg Arg
20 25 30

Asp Ile Lys Xaa
35

<210> 7661
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7661
Ala Leu Gly Glu Glu Pro Leu Ile Pro Ser Val Leu Gln Trp Pro Ser
1 5 10 15

Ser Leu Gly Pro Xaa Thr Met Cys Xaa Xaa Asp Xaa His Arg Ala Arg
20 25 30

Val

<210> 7662
<211> 53
<212> PRT
<213> Homo sapiens

<400> 7662
Val Tyr Cys Leu Pro Gln Ser Pro Leu Ser His Tyr Thr Gln Gly Leu
1 5 10 15

Ala Phe Asn Lys Lys Leu Gly Tyr Ile Pro Lys Ser Lys Ala Asn Asn
20 25 30

Asp Ser Leu Ser Arg Asp Lys Val Val Asn Arg Asn Arg Pro Arg Ser
35 40 45

Asn Ala Pro Arg Cys
50

<210> 7663
<211> 56
<212> PRT
<213> Homo sapiens

<400> 7663
Ile Arg His Ile Val Lys Leu Ser Leu Asp Val Ser Ile Phe Lys Ile
1 5 10 15

Ile Phe Lys Met Thr Phe Lys Gly Phe Lys His Arg Leu Ser Lys Ser
20 25 30

Leu Thr Phe Ser Asp Thr Phe Leu Ser Ser Lys Leu Phe Gly Glu Tyr
35 40 45

Leu Phe Phe Lys Lys Thr Asp Arg
50 55

<210> 7664
<211> 52

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7664
Ser Ile Ser Tyr Arg Leu Asn His Ile His Val Val Asp Val Leu Xaa
1 5 10 15

Asn Arg Xaa Trp Val Met Cys Xaa Leu Thr Ile Xaa Thr Leu Pro Val
20 25 30

Tyr Ile Lys Ala Ile Lys Asn Leu Asn Ile Val Ile Xaa His Cys Ile
35 40 45

Pro Xaa Thr Xaa
50

<210> 7665
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7665
Ala Xaa Ala Phe Ala Ala Lys Leu Arg Met Ser Asp Gly Val Glu Ala
1 5 10 15

Val Thr Gly Ala Ala Xaa Gly Glu Val
20 25

<210> 7666
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7666
Gln Tyr Leu Leu Gln Leu Thr Leu Leu His Ser Pro Gln Ile Ile Leu
1 5 10 15

Thr Asp Gly Ile Asn Pro Gly Asn Asn Asn Gly Gly Leu Ser Ser Thr
20 25 30

Leu Cys His Ser Gly Asn Cys Ala Thr Lys Asn Lys Leu Gly Phe Cys
35 40 45

Phe Gly Ile Ala Gly Glu Glu Thr Gln Ala Val Val Ser Cys Lys Ser
50 55 60

Leu Ser Glu Thr Xaa Leu Thr Xaa Xaa Leu Phe Ser Leu Xaa
65 70 75

<210> 7667
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7667
Thr Phe Val Tyr Lys Met Lys Xaa Xaa Gln Xaa Lys Glu Tyr Lys Xaa
1 5 10 15

Met Lys Lys

<210> 7668
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7668
Arg Thr Tyr Phe Pro Xaa Lys Met Pro Thr Thr Lys Lys Thr Leu Met
1 5 10 15

Phe Leu Ser Ser Phe Phe Thr Ser Leu Gly Ser Phe Ile Val Ile Cys
20 25 30

Ser Ile Leu Gly Thr Gln Ala Trp Ile Thr Ser Thr Ile Ala Xaa Arg
35 40 45

Asp Ser Ala Ser Xaa Gly Ser Ile Phe Ile Thr Tyr Gly Leu Phe Arg
50 55 60

Gly Glu Ser Ser Glu Glu Leu Ser His Gly Leu Ala Glu Pro Lys Lys
65 70 75 80

Lys Ile Ala Val Leu Glu Ile Leu Asn Asn Ser Ser Gln Lys Thr Leu
85 90 95

His Ser Val Thr Ile Leu Thr
100

<210> 7669
<211> 66
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7669
Gly Xaa Leu Val Arg Leu Gln Val His Gly Pro Glu Phe Pro Gly Arg
1 5 10 15

Xaa Thr Arg Pro Asn Ala Asp Val Xaa Gln Lys Leu Tyr Leu Ser Ala
20 25 30

Phe Gly Trp Thr Ser Tyr Phe Pro Leu Ser Leu Asp Asp Ala Ala Arg
35 40 45

Glu Phe Leu Ser Leu Phe Cys Ser Arg Arg Thr Ser Cys Xaa His Gly
50 55 60

Gln Leu
65

<210> 7670
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7670
Xaa Asp Ser Leu Xaa Gly Xaa Leu Val Arg Leu Gln Val Pro Val Arg
1 5 10 15

Asn Ser Arg Val Xaa Pro Arg Val Arg Pro Arg Val Arg Thr Ala Ser
20 25 30

Arg Ala Thr Ser Arg Gly Pro Gln Gly Met Asp Leu Gln Ala Ala Gly
35 40 45

Ala Gln Ala Xaa Gly Ala Ala Glu Pro Xaa Arg Gly Pro Pro Leu Pro
50 55 60

Ser Ala Arg Gly Ala Pro Pro Ser Pro Glu Ala Gly Phe Ala Thr Ala
65 70 75 80

Asp His Ser Gly Gln Glu Arg Glu Thr Glu Lys Ala Met Asp Arg Leu
85 90 95

Ala Arg Gly Thr Gln Ser Ile Pro Asn Asp Ser Pro Ala Arg Gly Glu

BNSDOCID: <WO__ 0122920A2 I >

100 105 110

Gly Thr Xaa Ser Glu Glu Glu Gly Phe Ala Met Xaa Glu
115 120 125

<210> 7671
<211> 14
<212> PRT
<213> Homo sapiens

<400> 7671
Ala Lys Ile Tyr Cys Gly Met His Leu Ile Asn Leu Phe Met
1 5 10

<210> 7672
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7672
Ala Asp Ala Trp Ala Asp Phe Gln Asn Glu Val Cys Ala Gly Xaa Xaa
1 5 10 15

Leu Xaa Thr Arg Xaa
20

BNSDOCID: <WO__ 0122920A2 1 >

<210> 7673
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7673
Ala His Ala Ser Xaa Ser Gly Arg Pro Phe Xaa Xaa Phe Leu Xaa Glu
1 5 10 15

Ile Tyr Xaa Cys Thr Glu
20

<210> 7674
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7674

```
Arg Gln Arg Phe Lys Asp Pro Gly Arg Val Ser Leu Ser Arg Gln Cys
 1               5                  10                  15

Trp His Leu Gln Gln Asp Arg Ala Pro Cys Arg Val Ser Leu Val Lys
            20                  25                  30

Thr Ala Asp Lys Cys Ser Glu Val Leu Leu Gln Xaa Ala Pro His Gln
        35                  40                  45

Thr Ser Ser Ala Ala Trp Phe Glu Cys Cys Ser Trp Leu Gln Thr Cys
    50                  55                  60

Phe Ser Ser Pro Leu Leu Ile Leu Glu Ala Ala Lys Tyr Pro Phe Asn
65                  70                  75                  80

Glu Phe Leu Phe Cys
                85
```

<210> 7675
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7675

```
Thr Gln Gly Gly Glu Lys Arg Xaa Thr Gly Leu Asn Xaa Pro Xaa Trp
 1               5                  10                  15

Pro Arg Gly Phe Lys Pro Arg Gly Val Pro Gly Gly Lys Ile Xaa Tyr
            20                  25                  30
```

Thr Arg Glu
35

<210> 7676
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7676
Gly Glu Asn Lys Arg Ala Val Arg Arg Xaa Arg Asn Asp Trp Gly Gly
1 5 10 15

Leu Lys Lys Lys Xaa Xaa Pro Pro Gly
20 25

<210> 7677
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO_ 0122920A2 I >

<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7677
Xaa Gly Lys Lys Ala Xaa Xaa Leu Thr Gly Lys Arg Gln Xaa Val Lys
1 5 10 15

Arg Gly Val Thr Pro Gly Lys Phe Tyr Thr Gln Xaa Val Thr Gly Thr
20 25 30

Pro Asn Arg Pro
35

<210> 7678
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7678
Leu Gly Gly Gly Gly Lys Lys Lys Val Pro Thr Gly Val Xaa Asn Arg
1 5 10 15

Thr Pro Pro Ala Pro Arg Gly Phe Lys Pro Xaa Gly Val Tyr Thr Gly
20 25 30

Gly Lys Asn
35

<210> 7679
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7679
Xaa Gly Pro Glu Xaa Pro Gly Ser Thr His Ala Ser Ala His Ala Phe
1 5 10 15

Glu Xaa Phe Gly Gln Asp Glu Met Ile Xaa Gly Gly Gly Leu Leu Lys
20 25 30

Lys

<210> 7680
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2_I_>

<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7680
Glu Gln Xaa Val Lys Arg Pro Arg Gly Tyr Arg Pro Ser Ala Gln Xaa
1 5 10 15

Leu Thr Ala Gly Val Pro Gly Glu Asn Xaa His Pro Xaa Gly Thr Gly
20 25 30

Thr Pro Asn Gly Pro
35

<210> 7681
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7681
Lys Leu Tyr Ile Leu Cys Glu Thr Val Phe His Cys Pro His Ser Lys
1 5 10 15

Ile Ile Ser Gln Leu Lys Lys Ile Pro Lys Gln Phe Cys Val Leu Ser
20 25 30

Met Leu Tyr Tyr Tyr His His Ile Cys Leu Val Leu Xaa Leu Asn Xaa
35 40 45

Phe Met Gly Thr Phe Tyr Val Phe Leu Thr Ile Leu

BNSDOCID: <WO__ 0122920A2_I >

50 55 60

<210> 7682
<211> 77
<212> PRT
<213> Homo sapiens

<400> 7682
Pro Gln Val Leu Ile Val Glu Glu Ser Met Val Gly Ser Cys Gly Thr
1 5 10 15

Met Ser Ala Val Cys Ser Val Lys Cys Gly Cys Cys Arg Ala Cys Phe
20 25 30

Thr Tyr Gly Lys Val Lys Phe Met Pro Trp Thr Lys Pro Gly Phe Leu
35 40 45

Glu Leu Leu Leu Ala Ser Ile Lys Ile Thr Ser Arg Leu His Val Trp
50 55 60

Ile Cys Ile Pro Ala Gly Gly Ile Ser Cys Phe Ala Asp
65 70 75

<210> 7683
<211> 137
<212> PRT
<213> Homo sapiens

<400> 7683
Thr Arg Ala Gln Ser Asp Ser Ser Gln Thr Leu Gly Ser Ser Met Asp
1 5 10 15

Cys Ser Thr Ala Arg Glu Glu Pro Ser Ser Glu Pro Gly Pro Ser Pro
20 25 30

Leu Pro Leu Pro Ser Gln Gln Gln Val Glu Glu Ala Thr Val Gln Asp
35 40 45

Leu Leu Ser Ser Leu Ser Glu Asp Pro Cys Pro Ser Gln Lys Ala Leu
50 55 60

Asp Pro Ala Pro Leu Ala Arg Pro Ser Pro Ala Gly Ser Ala Gln Thr
65 70 75 80

Ser Pro Glu Leu Glu His Arg Val Ser Leu Phe Asn Gln Lys Asn Gln
85 90 95

Glu Gly Phe Thr Val Phe Gln Ile Arg Pro Val Ile His Phe Gln Pro
100 105 110

Thr Val Pro Met Leu Glu Asp Lys Phe Arg Ser Leu Glu Ser Lys Glu
115 120 125

Gln Lys Leu His Arg Val Pro Glu Ala
130 135

<210> 7684
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7684
Asp Phe Leu Tyr Gly Tyr Leu Glu Ile Leu Tyr Met Lys Asn Asn Xaa
1 5 10 15

Trp Phe Lys Ile Asp His Phe Asn Lys Xaa Thr Ile Phe Leu Phe Thr
20 25 30

Lys Met Leu Phe Phe Tyr Asp Val Asn Asn Cys
35 40

<210> 7685
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7685
Gly Arg Asn Leu Val Arg Glu Ile Arg Tyr Xaa Val Val Ser Asn His
1 5 10 15

Lys Val Phe Val Xaa Phe Lys Trp Ile Asp Tyr Leu Xaa Xaa
20 25 30

<210> 7686
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 I >

<400> 7686
Xaa Ala Glu Thr Ala Lys Asp Val Gly Xaa Glu Ala Thr Ile His Leu
1 5 10 15

Lys Ser Ala Tyr Xaa Pro Tyr Tyr Ser Glu Gly Val Xaa Gln Trp Asn
20 25 30

Lys Xaa

<210> 7687
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7687
Ser Gly Ile Lys Cys Phe Thr Glu Ala Met Gly Tyr Val Ser Ile Gly
1 5 10 15

Arg Gly Ala Phe His Ser Ala Leu Lys Ala Asn Val Ser Phe Thr Gly
20 25 30

Ala Cys Gly Lys Ala Asn Val Xaa Ile Ser Asn Asp Lys Gly Gly Glu
35 40 45

Lys Pro Pro Arg Xaa Lys Thr Xaa Val Ser
50 55

<210> 7688
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7688
Leu Gly Thr Ile Tyr Leu Gln Met Phe Cys Ser Ile Asp Cys Ser Asn
1 5 10 15

Gln Gly Phe Phe Leu Xaa Asn Gln Xaa Trp Xaa Val Xaa Xaa Xaa Lys
20 25 30

Xaa Pro Glu Xaa Lys Xaa Xaa Asn Trp Xaa Leu Glu Asn Leu Arg Glu
35 40 45

Lys Ile Asn Ser Asn Lys Phe Xaa Ile Leu Pro Leu Arg Thr Leu Asn
50 55 60

Gly Glu Xaa Leu Lys Lys Xaa Phe Phe Phe Lys Pro Ser
65 70 75

<210> 7689
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7689

```
Ala Asp Ala Trp Val Leu Lys Lys Leu Gly Leu Ile Val Tyr Ser Ala
  1               5                  10                  15

Trp Ser Thr Ser Ala Phe Leu Pro Leu Leu Leu Pro Phe Ser Tyr Ser
             20                  25                  30

Arg Leu Phe Leu Asn Ser Val Met Leu Ala Phe Thr Lys Ala Leu Thr
         35                  40                  45

Phe Pro Val Ile Arg Lys Arg Cys Leu Cys Phe His Tyr Phe Ser Tyr
     50                  55                  60

Lys Lys Thr His Ser Gln Ile His Ile His Tyr Thr Val Cys Gly Ile
 65                  70                  75                  80

Thr Pro Ser Leu Asn Gly His Ser Val Asp Phe Thr Ile Met Ala Thr
                85                  90                  95

Leu Cys Xaa Trp Met Gln Asn Xaa Xaa Xaa
            100                 105
```

<210> 7690
<211> 50
<212> PRT
<213> Homo sapiens

<400> 7690

```
Val Leu Val Arg Arg Cys Gln Phe Cys Trp Leu Phe Asn Asn Thr Gly
  1               5                  10                  15

Trp Leu Val Leu Ile Asp Asn Leu Gln Tyr Leu Tyr Ser Arg Phe Val
             20                  25                  30

Pro Glu Ile Met Asn Leu Asn Phe Leu Leu Pro Ser Ser Cys Asn Trp
         35                  40                  45
```

BNSDOCID: <WO__0122920A2_I_>

Ile Val
50

<210> 7691
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7691
Ala Leu Leu Met Arg Asp Val Arg Leu Pro Gly Gly Xaa Xaa Ala Leu
1 5 10 15

Ser Xaa Asp

<210> 7692
<211> 26
<212> PRT
<213> Homo sapiens

<400> 7692
Leu Glu Asn Lys Cys Val Pro Ala Gln Ser Val Gly Ala Pro Gln Pro
1 5 10 15

Trp Pro Gln Asp Arg Cys Glu Ala Met Asn
20 25

<210> 7693
<211> 15
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7693
Phe Glu Thr Ser Leu Thr Gly His Gly Gly Gly Pro Phe Xaa Ser
1 5 10 15

<210> 7694
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7694
Ala Pro Pro Pro Ala Gly Gly Gly Gly Val Xaa Asp Gly Xaa Xaa Xaa
1 5 10 15

Ile Xaa Glu Arg Val
20

<210> 7695
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7695
Val Thr Arg Arg His Gly Cys Leu Leu Ser Trp Arg Ile Ser Gln Gly
1 5 10 15

Leu Leu Ala Gly Asn Leu Thr Xaa Asn Xaa Asp Leu Thr Val Xaa Cys
20 25 30

Gln Ile Lys Lys Thr Phe Xaa Pro Cys
35 40

<210> 7696
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7696
Ile Thr Ser Ser Phe Val Ala Lys Lys Ile Cys Tyr Thr Xaa Leu Xaa
1 5 10 15

Leu Tyr Leu Asn Asn Asn Leu Cys Ala Gly Met Asp Ile Met Pro His
20 25 30

Cys

<210> 7697
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ 0122920A2 I >

<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7697

```
Ala Glu Tyr Thr Phe Leu Leu Leu Phe Trp Lys Arg Xaa Ala Cys Val
  1               5                  10                  15

Leu Val Leu Thr Ala Arg Pro Ser Arg Pro Leu Leu Pro Lys Trp Trp
             20                  25                  30

Gln Tyr Leu Ala Ile Gly Arg Xaa Ile Xaa Xaa Ala Cys Thr Phe Lys
         35                  40                  45

Ile Xaa Ala Asp Val Leu Xaa Arg Ser Leu Xaa Xaa Ala Ala Xaa Ser
     50                  55                  60

Xaa Leu Gln Ser Val Leu Asn Ser Met Lys Ile Thr Met Xaa Ser Leu
 65                  70                  75                  80

Thr Phe Val Thr Leu Xaa Tyr Leu Leu Ala His Phe Thr Xaa Thr Ile
                 85                  90                  95
```

<210> 7698
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7698
Arg Leu Asp Asn Gln Glu Met Thr Asn Gln Glu Ser Ala Val His Val
1 5 10 15

Lys Met Met Pro Glu Phe Gln Lys Ser Ser Val Arg Ile Lys Asn Pro
20 25 30

Thr Arg Val Xaa Xaa Ile Ile Cys Gly Leu Ile Lys Gly Gly Xaa Ala
35 40 45

Lys Leu Xaa Ile Ile Thr Asp Phe Asp Met Thr Leu
50 55 60

<210> 7699
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7699
Cys Glu Ala Ala Glu Arg Thr Ala Thr Pro Gly Glu Ala Arg Ala Pro
1 5 10 15

Gly Ala Gly Ala Gly Ala Gly Ala Ala Pro Ser His Ala Arg Gly Xaa
20 25 30

Arg Arg Ala Pro Xaa Glu Xaa Arg
35 40

<210> 7700
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7700
His Gln Glu Ser Leu Lys Cys Leu Asn Cys Glu Leu Ile Arg Arg Lys
1 5 10 15

Met Lys Tyr Val Ser Thr Leu Val Thr Leu Val Phe Thr Asp Ile Met
20 25 30

Ile Ser Leu Gln Xaa Tyr Xaa Thr Asn Glu Lys Leu Glu Ala Ile Xaa
35 40 45

Glu Pro Cys Asp Gly Val Lys Pro Thr Phe Asp Arg
50 55 60

<210> 7701
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7701
Gly Thr Trp Trp Cys Cys Cys Leu Lys Pro Pro Cys Tyr Leu Leu Val
1 5 10 15

Gly Leu Asn Pro Asp His Pro Ile Xaa Glu Thr Xaa Gly Xaa Arg Leu
20 25 30

Lys

<210> 7702
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7702
His Thr Lys Cys Ile Leu Ser His Ile Asn Tyr Ala Leu Gln Val Gly
1 5 10 15

Arg Val Asp Thr Val Asp Thr Ala Phe Leu Met Leu Ser His Cys Asp
20 25 30

Gln Lys Leu Phe Tyr Ser Cys Val Ala Phe Ile Glu Gly Asp Leu Xaa
35 40 45

Lys Phe Glu Lys Phe Xaa Ile
50 55

<210> 7703
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7703
Leu Ile Arg Glu Asp Cys Gln Xaa Xaa Lys Leu Trp Asp Glu Xaa Val
1 5 10 15

Ser His Xaa Val Glu Gly Pro Asn Phe Leu Lys
20 25

<210> 7704
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7704
Gly Phe Ala Val Phe Cys Leu Pro Xaa Ser His Trp Leu Ser Cys Tyr
1 5 10 15

Tyr Ile Tyr Cys Cys Phe Met Ile Tyr Phe Glu Tyr Gly Ala Tyr Asp
20 25 30

Leu Gly Thr Asn Ala Tyr Xaa Leu Tyr Xaa Asp Tyr Ser Xaa Ile Tyr
35 40 45

His Ser Val Xaa Xaa Asn

50

<210> 7705
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7705
Asp Arg Asp Tyr Gly Ser Ser Gly Gly Lys Asp Gln Pro Ala Pro Asn
1 5 10 15

Gly Asp Cys Val Gly Ala Ala Thr Leu Phe Pro Gln Ala Phe Leu Ser
20 25 30

Pro Phe Ile Ser His Glu Met Gly Ser Glu Leu Lys Lys Lys Leu Phe
35 40 45

Lys Arg Arg Arg Xaa Leu Asn Xaa Glu Xaa
50 55

<210> 7706
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7706
Tyr Leu Phe Tyr Lys Met Gln Ser Gln Val Pro Gln Pro Arg Leu Ser
1 5 10 15

Gln Thr Cys Ser Leu Met Thr Gln Val Ser Leu Arg Tyr Ser Trp Cys
20 25 30

Pro Pro Gly Gln Thr Val Ser Leu Ile Ile Thr Lys Ala Lys Ala Trp
35 40 45

Val Gly Glu Gln Val Ser Ser Phe Tyr Pro Ser Gln Ala Ala His Leu
50 55 60

Leu Phe Lys Asn Ser Lys Ser Xaa Asn Xaa Lys Phe Gly His Glu Pro
65 70 75 80

Leu Xaa Asn Leu

<210> 7707
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7707
Gly Xaa Ile Leu Gln Lys Arg Asn Cys Xaa Ala Gly Val Ile Xaa Xaa
1 5 10 15

Asn

<210> 7708
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7708
Leu Pro Gly Trp Arg Trp Pro Leu Thr Asp Met Ala Ser Glu Glu Cys
1 5 10 15

Ser Thr Lys His Gly Pro Lys Ser Thr Pro Gln Lys Arg Lys Gly Met
20 25 30

Lys Gly Ser Phe Ala Cys Phe Thr His Leu Ser Arg Ser Gly Pro Xaa
35 40 45

Arg Glu Asp Leu Leu His Cys Cys
50 55

<210> 7709
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7709
Phe Tyr Phe Xaa Lys Met Ser Xaa Gly Phe Pro Phe Pro Leu Xaa Xaa
1 5 10 15

Gln Leu His Ala Ser Pro Gly His Lys Ile Leu Ser Asp Cys Xaa Ile
20 25 30

Tyr Ser Ile Thr Cys Gln Xaa Tyr Val Pro Val Val Asp Tyr Ile Ser
35 40 45

BNSDOCID: <WO__ 0122920A2 I >

Xaa Leu Xaa Gly Leu Gly Leu Val Phe Arg Ile Asp Ser Lys Gly Xaa
50 55 60

Xaa Lys Ala
65

<210> 7710
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7710
Gln Leu Glu Glu Xaa Ser Val Xaa Asn Pro Glu Xaa Ala Phe Met Lys
1 5 10 15

Met Xaa Gln Ala Arg Lys Asn Tyr Thr Ser Thr Glu Leu Thr Val Glu
20 25 30

Pro Glu Xaa Pro Ser Xaa Ser Xaa Gly Ile Asn Leu Ser Gly Phe Gly
35 40 45

Ser

<210> 7711
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7711
Leu Xaa Xaa Gly Ala Xaa Xaa Pro Phe Thr Lys Pro Arg Asp Leu Val
1 5 10 15

Leu Pro Ile Pro Ala Val Cys Thr Lys Gly Pro Arg Gln Ala Met Ser
20 25 30

Ala Phe Arg Xaa Leu Xaa
35

<210> 7712
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7712
Thr Val Xaa Leu Lys Thr Gln Asn Cys Xaa Leu Pro Thr Asn Gln Ser
1 5 10 15

Phe Asp Leu Leu Arg Gln Ile Cys Phe Glu Ile Val Asn Ile Arg Gly
20 25 30

Asn Leu Val Thr Arg Phe Val Thr Arg His Leu Phe Ser Leu His Gly
35 40 45

Glu Lys
50

<210> 7713
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7713
Ala His Ala Ser Xaa Ile Phe Lys Asn Leu Ser Met Val Xaa Gly Trp
1 5 10 15

Xaa Tyr Thr Asn Xaa Cys Ile
20

<210> 7714
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7714
Xaa Glu His His Ala Phe Pro Ser Leu Gln Xaa Xaa Thr Pro Ser Ala
1 5 10 15

Ala Phe His Leu Tyr Leu Xaa Ser Ile Ile Ile Ile Ile Ile Ala Xaa
20 25 30

Val Ala Ser Val Thr Val Gly Met Glu Cys Leu Arg Leu Ala Xaa Trp
35 40 45

Val Gly His Thr Thr Leu Cys Xaa Val Asp Leu Leu Xaa Ser Ser Leu
50 55 60

Lys Leu Phe Tyr Xaa Xaa
65 70

<210> 7715
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7715
Phe Leu Ile Met Ser Asn Asp Cys Lys Ser Ala Trp Ile Phe Thr Cys
1 5 10 15

Lys Gly Tyr Ser Cys Ile Val Arg Ser Pro Ser Pro Ala Glu Ser Ser
20 25 30

Xaa His Trp Leu Ala Val Cys Cys Val Xaa His Ser Phe
35 40 45

<210> 7716
<211> 134
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7716
Leu Ala Arg Gly Asn Pro Gly Ser Arg Xaa Asn Phe Pro Gly Gly Phe
1 5 10 15

Xaa Pro His Xaa Gly Pro Ala Cys Lys Ser Trp Ile Gly Gln Pro Gly
20 25 30

Leu Pro His Phe Pro Gly Xaa Gln Pro Ser Gln Ile Arg Thr Pro Ile
35 40 45

Phe Gly Leu Ala Lys Pro Arg Xaa Pro Lys Leu Arg Ala Leu Gly Ser
50 55 60

Ile Arg Val Ala Ser Ser Leu Pro Val Pro Asp Leu Ile Leu Arg Gln
65 70 75 80

Arg Leu Leu Gln Asp Pro Val Ala Arg Pro Gln Ala Met Ala Gly Pro
85 90 95

Phe Ser Arg Leu Cys Pro Pro Pro Gly Leu Xaa Leu Cys Phe Gly Gly
100 105 110

Arg Gly Leu Tyr Arg Gly Phe Val Asp Glu Leu Thr Thr Ala Val Thr
115 120 125

Thr Glu Val Ile Pro Thr
130

<210> 7717
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7717
Leu Xaa Xaa His Cys Ser Glu Leu Thr Cys Val Pro Pro Trp Thr Ile
1 5 10 15

Asn Gly Xaa Ile Asn Pro Xaa Lys Tyr Lys Xaa Pro Pro Arg Glu Gly
20 25 30

Leu Arg Gly Xaa Pro Gly Xaa Leu Ser
35 40

<210> 7718
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2_I_ >

<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7718
His Gln Trp Lys Gln Leu Ala Ser Leu Leu Arg Xaa Leu Trp Val Arg
1 5 10 15

Xaa Xaa Arg Pro Asn Lys Arg Arg Leu Cys Xaa Cys
20 25

<210> 7719
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7719
Glu Phe Met Leu Lys Trp Ile Tyr Arg Ile Phe Val Asn Leu Phe Leu
1 5 10 15

Val Phe Val Arg Phe Phe Asn Cys Ser Phe Leu Cys Ala Glu Cys Ile
20 25 30

Ser Leu Pro Gly Gln Glu Cys Gly Gly Ala Glu Val Ser Ser Phe Xaa
35 40 45

Xaa Thr Phe Xaa Gln
50

<210> 7720
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7720
Glu Pro Leu Thr Lys Asn Pro His Cys Pro Cys Xaa Gly Ala Val Val
1 5 10 15

Val Asn Ser Pro Xaa Gly Leu Asn Glu Gly Val Lys Xaa Tyr Glu Pro
20 25 30

Asp His Xaa Ala Ile
35

<210> 7721
<211> 80
<212> PRT
<213> Homo sapiens

<400> 7721
Ile Arg His Val Arg Leu Asp Ile Ser Asp Leu Ala Leu Arg Lys Ser
1 5 10 15

Lys Thr Val His Ser Gln Val Leu Ser Arg Ser Phe Ala Glu Phe Gln
20 25 30

Gly Leu Arg Cys Met Ala Ser His Gly Arg Trp Tyr Leu Arg Ala His

BNSDOCID: <WO 0122920A2 1 >

35 40 45

Leu Arg Arg Gly Leu Ser Ala Gly Glu Gly Gly Ser Phe Ser Glu Glu
50 55 60

Pro Val Gly Thr Ala Ile Cys Gln Ala Leu Val Trp Ala Leu Gly Leu
65 70 75 80

<210> 7722
<211> 26
<212> PRT
<213> Homo sapiens

<400> 7722
Arg Thr Arg Gly Pro Leu Phe Pro Leu Gln Thr Asn Asn Ser Ser Val
1 5 10 15

Thr Phe His Leu Ile Pro Thr Pro Leu Met
20 25

<210> 7723
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7723
Xaa Asn Pro Pro Pro His Arg Ala Ser Xaa Xaa Ile Lys Pro Gln Ala
1 5 10 15

Ser Gln Thr Ser Phe Lys Xaa Gly Glu Lys Arg Asp Val Val Val Asn
20 25 30

Arg Arg Phe Val Glu Xaa Gly Glu His Arg Gly Cys Xaa Ala Gly Arg
35 40 45

Ile Phe Ser Pro Arg Gly Xaa Ala Ala Leu His Xaa Pro Leu Xaa Arg
50 55 60

Gly Arg Asn Leu Ala Ile Ala Leu
65 70

<210> 7724
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7724
Xaa Trp Pro Trp Pro Trp Thr Gly Leu Pro Trp Xaa Val Gly Asn Xaa
1 5 10 15

Lys Leu Gly Lys Xaa Gly Val Leu Ile Gly Trp Gly Xaa Pro Glu Asn
20 25 30

Ser Xaa

<210> 7725
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7725
Ser Pro Pro Cys Ser Xaa Glu Ile Asp Ser Pro Xaa Arg Val Leu Gln
1 5 10 15

Gln Pro Thr Thr Gly Cys Ser Ala Val Ala Leu Gly His Arg Gly Ala
20 25 30

Ser Ser Pro Xaa Ser Lys Leu Ser Arg Glu Xaa Gly Lys Trp Gly Arg
35 40 45

Arg Val Xaa Xaa Xaa Val Glu Thr
50 55

<210> 7726
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7726
Xaa Asp Pro Arg Xaa Pro Leu Ile Asn Gln Thr Leu Asp Phe Pro Glu
1 5 10 15

Arg Ser Ser Leu Xaa Xaa Cys Leu Arg Lys Cys Lys
20 25

<210> 7727
<211> 42
<212> PRT
<213> Homo sapiens

<400> 7727
Glu Ala Ile Asp Leu Phe Phe Asn His Pro Met Arg Lys Glu Gln Thr
1 5 10 15

Ile Trp Ser Ile Thr Ile Leu Ser Met Gln Met Lys Trp Gln Lys Gln
20 25 30

Asn Asn Lys Asn Thr Phe Arg Ser Lys Asn
35 40

<210> 7728
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7728
Asn Ile Cys Leu Phe Ile Phe Arg Asp Val Pro Xaa Leu Lys Arg Arg
1 5 10 15

Leu Val Phe Ser Ser Xaa Leu Xaa Cys Ile Leu Phe Ile Tyr Glu Val
20 25 30

Ser Ser Glu Asn Cys Xaa Trp Tyr Phe Ser Ala Phe Val Ser Gln Xaa
35 40 45

Glu Xaa Ile
50

<210> 7729
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7729
Xaa Xaa Leu Gly Lys Thr Pro His Tyr Arg Leu Lys Leu Val Arg Leu
1 5 10 15

Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Xaa
20 25 30

Val Arg Cys Ala Ser Asp Ser Glu Arg Xaa Pro Xaa Pro Gly Gln Xaa
35 40 45

Gly Pro Gly Ala
50

<210> 7730
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7730
Ile Xaa Tyr Ser Gln Arg Val Thr Gln Gln Leu Cys Ser Pro Ala Phe
1 5 10 15

Leu Gln Xaa Xaa Tyr Xaa His Val Pro
20 25

<210> 7731
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7731

```
Asn Phe Leu Met Glu Lys Asp Asn Val Tyr Phe Gly Arg Val Xaa Xaa
  1               5                  10                  15

Lys Arg Ile Phe Xaa Ile Ser Tyr Ile Ser Lys Phe Leu Xaa
             20                  25                  30
```

<210> 7732
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7732

```
Ser Val Asn Val Ile Phe Asn Asn Thr Tyr Ile Tyr Ser Gly Met Ser
  1               5                  10                  15

Gln Thr Ser Ala Thr Phe Gln Leu Xaa Ser Lys Gln Ala Pro
             20                  25                  30
```

<210> 7733
<211> 67
<212> PRT
<213> Homo sapiens

<400> 7733

```
Arg Lys Thr Asn Gly Val Thr Asp Gln Ser Ile Gln Ser Asn Asn Ser
  1               5                  10                  15

Ala Ser Lys Lys Leu Lys Gly Met Val Leu Ile Leu Gln Pro Phe Gln
             20                  25                  30

Gln Asn Leu Lys Val Glu Glu Gly Leu Ser Glu Lys Asp Leu Cys Val
         35                  40                  45

Trp Leu Leu Phe Asn Ala Lys Asn Pro Ser Glu Ile Pro Arg Thr Pro
     50                  55                  60

Thr Lys Leu
 65
```

<210> 7734

<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7734
Arg Tyr Lys Ser Cys Leu Asn Arg Xaa Arg Arg Gly Ser Tyr Arg Gly
1 5 10 15

Xaa Xaa

<210> 7735
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7735
Gly Phe Leu Val Leu Met Leu Val Lys Val Cys Ala Gly Ile Ser Lys
1 5 10 15

Ser Leu Lys Lys Val Phe Thr Gly His Trp Ala Val Val Arg Glu Gly
20 25 30

Leu Thr Asn Pro Trp Ile Pro Asp Asn Trp Ser Trp Gly Gly Val Ala
35 40 45

Ser Glu His Cys Xaa Cys Tyr Arg Val Leu His
50 55

<210> 7736
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7736
Asn Xaa Asp Val Thr Val Leu Ala Ile Xaa Leu Gly Asn Val Tyr Xaa
1 5 10 15

Phe Leu Xaa Tyr Leu Lys Cys Ile Ile Thr Lys
20 25

<210> 7737
<211> 145
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7737
Thr Gln Ser Cys Gln Ser Leu Tyr Pro Phe Ser Cys Pro Gly Ala Gln
1 5 10 15

Arg Glu Thr His Leu Pro Leu Ala Leu Pro Glu Trp Leu Leu Arg Thr
20 25 30

Pro Cys Pro Ala Gln Leu Ser Leu Gly Gly Asp Glu Glu Arg Gln Trp
35 40 45

Trp Ser Trp Gln Gln Asn Ala Gln Pro Leu Val Ala Gly Leu Asp Lys
50 55 60

Gly Lys Leu Asp Gln Glu Ala Xaa Ile Arg Asp Leu Pro Leu Pro Arg
65 70 75 80

Lys Ala Arg Leu Gln Leu Gln Ala Gly Ser His Pro Leu Leu Leu Ala
85 90 95

Leu Gly Lys Gly Thr Gln Arg Leu Ala Cys Pro Cys Leu Gly Gln Cys
100 105 110

Glu Val Leu Pro Tyr Pro His His Gly Val His Gly Leu Phe Ile Leu
115 120 125

Ala Gln Leu Thr Leu Tyr Thr Xaa Thr Val Leu Xaa Ala His Xaa Xaa
130 135 140

Leu
145

<210> 7738
<211> 22
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7738
Glu Arg Ala Ser Leu Val Pro Thr Gly Val Ala Xaa Val Ser Ser Thr
1 5 10 15

Pro Asp Xaa Xaa Pro Pro
20

<210> 7739
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7739
Gly Trp Xaa Lys Cys Thr Thr Leu Arg Pro Ala Xaa Gly Ala Val Xaa
1 5 10 15

Glu Gly Leu Asp Arg

BNSDOCID: <WO__ 0122920A2 I >

20

<210> 7740
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7740
Asn Glu Leu Thr Phe Ile Lys Arg Tyr Arg Thr Cys Xaa Trp Ala Xaa
1 5 10 15

Trp Xaa Gly Xaa
20

<210> 7741
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7741

```
Cys Xaa Tyr Phe Gln Gly Val Leu Gly Asn Asn Ile Leu Gln Thr His
 1               5                  10                  15

Leu Val Leu Phe Arg Ser Ile Ser Trp Lys Arg Pro Ala Ser Cys Cys
            20                  25                  30

Leu Ser Met Asp Leu Asn Phe Tyr Phe Tyr Ser Leu Met Lys Thr Gln
        35                  40                  45

Pro Phe Ser Ile Trp Gly Gln Ser Val Ser Leu Val Ser Val Cys His
    50                  55                  60

Phe Met Ser Tyr Ala His Tyr Gln Gln Leu Thr Gln Arg Thr Asp Arg
65                  70                  75                  80

Ile Leu Ala Val Ser Ala Leu Xaa Lys Glu Gln Phe Phe Met Ala Ile
                85                  90                  95

Arg Ile
```

<210> 7742
<211> 83
<212> PRT
<213> Homo sapiens

<400> 7742

```
Gly Trp Trp Leu His Ser Arg Arg Pro Leu Thr Ala Ser Pro Thr Arg
 1               5                  10                  15

Ser Arg Pro Leu Ala Arg Pro Ser Arg Phe Pro His Arg Leu Cys Ser
            20                  25                  30

Pro Pro Pro Gln Thr Pro Ser Pro Leu Asp Ser His Ser Leu Phe His
        35                  40                  45

Gly Ala Pro Arg Phe Arg Glu Pro Pro Arg Gly Thr Trp Ser Pro His
    50                  55                  60

Pro Val Thr Thr Ser Cys Leu Arg Gly His Leu Ser Pro Ser His Leu
65                  70                  75                  80

Ala Pro Gln
```

<210> 7743
<211> 23
<212> PRT
<213> Homo sapiens

<400> 7743
Gly Arg Val Gly Trp Thr Leu Ser Leu Leu Cys Leu Ser Ala Leu Asn
1 5 10 15

Lys Asp Ser Pro Ala Leu Lys
20

<210> 7744
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7744
Xaa Lys Pro Gly Gly Ser Asp His His Phe Xaa Asn Asn Ser Arg Leu
1 5 10 15

Pro Pro Gln Pro Gln Gly Phe Gly Glu Met Trp Val Cys Trp Ser Leu
20 25 30

Cys Arg Leu Xaa Pro Pro Xaa Leu Asp Leu Ala Xaa Pro Gln Ser
35 40 45

<210> 7745
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7745
Tyr Xaa His Cys Phe Lys Ile Val Ile Phe Xaa Thr Gly Glu Lys Xaa
1 5 10 15

<210> 7746
<211> 97
<212> PRT
<213> Homo sapiens

<400> 7746
Cys Gln Leu Leu Thr Val Ile Val Arg Lys Gly Thr Asp Thr Ile Phe
1 5 10 15

Ala Leu Ile Gly Leu Ile Asp Ser Gly Asp Ala Thr Gly Arg Ala Trp
20 25 30

Arg Gly Glu Asp Gly Met Cys Phe Leu Pro Thr Ile Ser Ile Arg Thr
35 40 45

Pro Ile Arg Phe Cys Val Gln Leu Thr Phe Leu Asn Leu Ser Lys Tyr

50 55 60

Tyr Ala Met Glu Ala Lys Ala Pro Leu Pro Lys Gln Ile Ile Ser Phe
65 70 75 80

His Leu Cys Arg Asn Ser Gly Leu Leu Pro Phe Ile Val Lys Phe Gly
85 90 95

Arg

<210> 7747
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7747
Met Xaa Arg Thr Val Arg Ser Ser Val Ala Glu Gly Gly Gly Xaa Ser
1 5 10 15

Xaa Pro Phe

<210> 7748
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7748
Gln Xaa Ile Phe Xaa Pro Ser Gly Leu Thr Ser Xaa Val Ser Val Cys
1 5 10 15

Gly Arg Arg Val Pro Leu Thr Ile Tyr Xaa Ala Leu Asp Cys Ser Arg
20 25 30

Arg Leu Leu Xaa Ile Val Asp Xaa Glu Glu Arg Gln Lys Glu Xaa Val
35 40 45

<210> 7749
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7749
Cys Leu Leu Phe Arg Ser His Phe Asn Glu Arg Ser Phe Val Phe Xaa
1 5 10 15

Ile Pro Phe Pro Arg Asn Phe Ser Thr Tyr Lys Asn Asn His Phe Lys
20 25 30

Leu Gln Lys Pro Arg Thr Tyr Lys Pro Thr Pro Gln Thr Thr Phe Leu
35 40 45

Ile Met Thr Ala Phe Arg Asn Val Gly Lys Leu
50 55

<210> 7750
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7750
Leu Ser Ser Met Glu Glu Gln Leu Lys Thr Ile Xaa Trp Leu Leu Leu
1 5 10 15

Pro Xaa Gln

<210> 7751
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO__0122920A2_I_>

<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7751
Asp Asp Ala Trp Asp Phe Leu Xaa Pro Gln Xaa Ser Lys Asp Phe Xaa
1 5 10 15

Leu Leu

<210> 7752
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7752
Xaa Xaa Xaa Lys Gln Lys Gly Gly Phe Leu Phe Arg Ile Ile Ile Phe
1 5 10 15

Xaa Leu Arg Ser Gly Asn Gly Xaa Glu His Ser Met Phe Val
20 25 30

<210> 7753
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7753
Ala Ala Xaa Gln Val Gln Thr Asp Arg Lys Met Thr Met Thr Xaa Arg
1 5 10 15

Xaa Gln Xaa Cys Xaa
20

<210> 7754
<211> 69

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7754
Pro Ile Ile Cys Leu Gly Phe Phe Ser Pro Val Pro Asp Ser Thr Ser
1 5 10 15

Ser Ala Thr Asn Val Ser Met Val Val Ser Ala Gly Pro Trp Ser Ser
20 25 30

Glu Lys Ala Glu Met Asn Ile Leu Glu Ile Asn Glu Lys Leu Arg Pro
35 40 45

Gln Leu Ala Glu Asn Lys Gln Xaa Phe Xaa Asn Leu Lys Glu Arg Xaa
50 55 60

Phe Leu Thr Xaa Leu
65

<210> 7755
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7755
Ser Gly Leu Ile Ser Xaa Thr Lys Leu Arg Xaa Asp Thr Met Ser Leu
1 5 10 15

Xaa

<210> 7756
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7756
His His Leu Pro Pro Phe Asp Phe Leu Met Leu Tyr Asn Phe Arg Leu
1 5 10 15

Lys Gly Gly Asp Xaa Val Met Xaa Ser Pro Pro Asn Xaa Ala Ser Gly
20 25 30

Arg Ser Xaa
35

<210> 7757
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7757
Leu Ser Tyr Val Val Glu Thr Lys Lys Phe Thr Phe Ser Cys Asp His
1 5 10 15

Ser Arg Pro His Xaa Ile Arg Val Asn Leu Leu Ser Arg Leu Thr Lys
20 25 30

His Tyr Xaa Leu Met Lys Ile Leu His Glu Asp Tyr Lys Ser Ile Phe
35 40 45

Cys Ser Tyr Ser Ala His Leu Leu Xaa Glu Asn Leu Phe Xaa Ser Xaa
50 55 60

Ile
65

<210> 7758
<211> 48
<212> PRT
<213> Homo sapiens

<400> 7758
Cys Gln Ser Trp Leu Pro Asp Gln Gly Val Ala Val Gly Met Cys Arg
1 5 10 15

Gly Ser His Thr Cys Lys Lys His Leu Gly Ser Phe Leu Thr Trp Leu
20 25 30

Gly Cys Ser Gly Gln Val Met Ser Pro Leu Ala Leu Gly Ser Leu Cys
35 40 45

<210> 7759
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7759
Tyr Glu Ala Gln Arg Ile Gly Pro Gly Asn Cys Leu Thr Lys Thr Gln
1 5 10 15

Gly Cys Ala Asn Ser Arg Asp Asp Val Tyr Ser Leu Thr Pro Ala Arg
20 25 30

Cys Arg Lys Val Xaa Arg Arg Val Gln Thr Ser Val Xaa Gly Leu Asn
35 40 45

<210> 7760
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7760
Val Xaa Ile Ala Ser Gly Arg Ser Arg Gly Ser Xaa Leu Thr Tyr Xaa
1 5 10 15

Val His Ala Thr Xaa Ile
20

<210> 7761
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7761

Ser Ile Phe Lys Leu Met Cys Phe Lys Ile Tyr Phe Lys Val Leu Gln
1 5 10 15

Pro Xaa His Xaa His Ala Leu Thr Arg
20 25

<210> 7762
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7762
Arg Asn Lys Cys Phe Leu Ile Gln Thr Ala Ser Gln Xaa Glu His Leu
1 5 10 15

Xaa Xaa Asp Xaa Ile Ile
20

<210> 7763
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7763
Asn Phe Pro Arg Ile Ser Thr Ile Ser Lys Met Lys Lys Val Leu Leu
1 5 10 15

Leu Ile Thr Ala Ile Leu Ala Val Ala Val Gly Phe Pro Val Ser Gln
20 25 30

Asp Gln Xaa Arg Glu Lys Arg Ser Ile Xaa Asp Ser Xaa Glu Leu Xaa
35 40 45

Ser Xaa Phe Phe Val Phe
50

<210> 7764
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 1 >

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7764
Glu Pro Xaa Gly Pro Leu Xaa Ile Pro Xaa Xaa Tyr Gly Lys Leu Val
1 5 10 15

Arg Leu Gln Val Pro Val Arg Asn Tyr Arg Val Asp Pro Xaa Val Arg
20 25 30

Ala Asp Xaa Ala Leu Xaa Ser Ser Glu Ala Leu Gly Ala Leu Ser Phe
35 40 45

<210> 7765
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7765

6901

Arg Ser Ser Ser Ile Tyr Thr Leu Lys Arg Val Pro Ser Leu Val Gln
1 5 10 15

Leu Phe Ile His Pro Phe Phe Phe Tyr Trp Phe Ser Ser Gly Gly Lys
20 25 30

Trp Xaa Phe
35

<210> 7766
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7766
Xaa Pro Xaa Ala Val Tyr Xaa Xaa Ser Gly Ser Ser Xaa His Xaa Leu
1 5 10 15

Phe Xaa Thr Thr Asp Tyr Val Thr Val Thr Glu Asp Lys Met Asp Leu
20 25 30

Xaa Ile Ile Ser His Xaa Val Asn Val Xaa Pro Phe
35 40

<210> 7767
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7767
Lys Asn Asp His Glu Ala Lys Thr Thr Ile Phe Phe Cys Leu Xaa Ile
1 5 10 15

Gly Lys Glu Phe Xaa Gly Pro Ser Cys His His Asn Ala Met Lys Gln
20 25 30

Lys Ile Ser Lys Trp Ile Ala Ile Asn Gln Phe Leu Lys Ile Arg Gln
35 40 45

BNSDOCID: <WO___0122920A2 I_>

Lys Lys Thr Leu Ser Leu
50

<210> 7768
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7768
Val Asp Ala Leu Val Xaa Pro Gln Asp His Ala Val Xaa Glu Xaa Ala
1 5 10 15

Leu Arg Ala

<210> 7769
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7769

6904

Asp Leu Ala Leu Arg Leu Leu Ser Thr Pro Pro Val Leu Pro Glu Lys
1 5 10 15

Gly Gln Met Phe Pro Glu Gln Lys Thr Ser Pro Leu Leu Cys Leu Thr
20 25 30

Trp Ser Pro Ile His Ala Leu Phe Leu Xaa Ser Val Tyr Ser Leu Ser
35 40 45

Leu Gly Leu Glu Glu Pro Xaa Met Trp Pro Leu Ala Lys Leu Asp Asn
50 55 60

Val Gln Thr His Ser
65

<210> 7770
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7770
Met Leu Val Thr Leu Ile His Cys Ile Met Val Ile Phe His Leu Ile
1 5 10 15

Tyr Leu Glu Xaa Val Val Xaa Arg Ile Gly Val His Xaa His Gly Thr
20 25 30

Cys Ile Glu Xaa Xaa
35

<210> 7771
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7771
His His Arg Ile Xaa Glu Leu Phe Lys Met Lys Phe Asn Pro Phe Xaa
1 5 10 15

Thr Phe Arg Pro Glu Ala Arg Xaa
20

<210> 7772
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7772
Leu Phe Val Xaa Xaa Gly Trp Val Ser Pro Arg Arg Leu Xaa Trp Gly
1 5 10 15

Gly Ala Ala Cys Phe Trp Ala Xaa Xaa Gly Ala Pro Ser Pro Gly Ser
20 25 30

Lys Pro Ser Phe Xaa Lys Xaa Pro Gly Arg Asp Leu Leu Gln Arg Ala
35 40 45

Xaa Gly Lys Xaa Glu Arg Glu Lys Ala Pro
50 55

<210> 7773
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7773
Val Ser Asn Trp Xaa Leu Leu Thr Leu Xaa Val Pro Asp Cys Cys Ser
1 5 10 15

Phe Thr Asp Leu Ile Gln Val Thr Arg Ser Phe Ile Gly Leu Asn Gln
20 25 30

Xaa Pro Cys Ser Gln Val Thr Asp Leu Pro Ile Val Pro Xaa Ile Leu
35 40 45

Phe Asn Leu Asn Glu Arg Glu Phe Ala Leu Asn Gly Lys Val Pro Xaa
50 55 60

Phe
65

<210> 7774
<211> 57
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7774
Gln Cys Asn Leu Gln Phe Pro Xaa Lys Xaa Lys Lys Val Asn Leu Ala
1 5 10 15

Ala Ile Glu Tyr Thr Met Cys Ile Tyr Asn Ser Tyr Phe Ile Tyr Xaa
20 25 30

Ser Ile Asn Ile Phe Lys Leu Asn Val Leu His Ser Gln Val Val Gly
35 40 45

Ser Leu Val Ile Lys Val Cys Val Ile
50 55

<210> 7775
<211> 135
<212> PRT
<213> Homo sapiens

<400> 7775
Val Met Ile Thr Glu Thr Ala Ala Glu Pro Thr Val Pro Ala Val Pro
1 5 10 15

Ala Ala Glu Glu Ala Thr Glu Ala Arg Gly Arg Glu Glu Pro Ala Trp
20 25 30

Pro Trp Lys Asp Ala Pro Ile Arg Thr Leu Val Gln Arg Ile His Gln
35 40 45

Leu Gln Ala Glu Arg Ala Gln Gly Phe Arg Arg Leu Glu Glu Gly His
50 55 60

Arg Gln Tyr Leu Arg Ser Gly Pro Asp Tyr Asp Phe Ala Arg Tyr Arg

BNSDOCID: <WO_ 0122920A2 I >

65 70 75 80

Ser Thr Val His Gly Val Thr Gln Ala Phe Ala Ala Ala Ser Arg Glu
85 90 95

Val Leu Ala Val Glu Ala Glu Leu Gly Gly Pro Arg Arg Gln Pro Leu
100 105 110

Leu Ala Gly His Val Arg Ser Cys Arg Ile Trp Ser Arg Arg Gly Trp
115 120 125

Ala Arg Trp Pro Cys Cys Ser
130 135

<210> 7776
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7776
Leu Asp Phe Arg Arg Leu Ile Pro Gly Xaa Leu Ser Gly Gly Asp Arg
1 5 10 15

Gly Gly Glu Xaa Xaa Pro Gly Ala Asp Pro Glu Cys
20 25

<210> 7777
<211> 17
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7777
Xaa Thr Arg Xaa Ser Leu Val Ser Phe Lys Lys Tyr His Pro Thr Lys
1 5 10 15

Xaa

<210> 7778
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7778
Tyr Arg Val Pro Asp Met Lys Ala Phe Ala Leu Leu Ile Arg Xaa Gly
1 5 10 15

Xaa Xaa Ser Arg Thr Gly Ile His Leu Arg Val
20 25

<210> 7779
<211> 53
<212> PRT
<213> Homo sapiens

<400> 7779
Gly Arg Val Gly Pro Cys Arg Asp Lys Ala Ala Gly Pro Glu Leu Asp
1 5 10 15

Ser Val Ser Ser Trp Gly Arg Thr Gly Thr Gln Gly Val Met Pro His
20 25 30

Pro Pro Ser Arg Ala Gly Ala Ser Thr Ser Gln Phe Val Gln Ile His
35 40 45

Pro Pro Phe Lys Lys
50

<210> 7780
<211> 69
<212> PRT
<213> Homo sapiens

<400> 7780
Glu Arg Leu Glu Ser Asn Gly Trp Lys Gly Gly Phe Ser Val Met Asp
1 5 10 15

Thr Phe Phe Phe Ser Glu Ala Asn Pro Arg His Cys Glu Arg Asn Gly
20 25 30

Phe Ser Tyr Glu Asp Phe Lys Phe Ser Gln Leu Phe Ser Gln Val Leu
35 40 45

Gly Met Ser Phe Ala Leu Thr Leu Asn Cys Gln Ile Asp Lys Thr Ser
50 55 60

Gln Thr Ile Gly Leu
65

<210> 7781
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO_ _ 0122920A2 I >

<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7781
Pro Xaa Arg Pro Asp Gly Asp Gly Gly Gly Asp His Xaa Xaa Ala Glu
1 5 10 15

Pro Leu Gln

<210> 7782
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO 0122920A2 ! >

<400> 7782
Pro Trp Ala Ser Pro Leu Pro Pro His Pro Leu Thr Pro Gly Lys Pro
1 5 10 15

Thr Ala Pro Pro Val Pro Gln Leu Thr Asp Pro Arg Gln Ala His Cys
20 25 30

Pro Xaa Ile Pro Ser Pro Arg Val Ser Pro Leu Pro Leu Pro Pro Xaa
35 40 45

Thr Asp Pro Gly Gln Ala Glu Tyr Ser Xaa Trp Thr Xaa Gly Lys Asp
50 55 60

Xaa Gly Thr Thr Trp Thr Pro
65 70

<210> 7783
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7783
Ala Xaa Thr His Xaa Cys Thr Gly Pro Ala Phe Pro Gly Arg Pro Thr
1 5 10 15

Arg Pro Gln Pro Pro Phe His Pro Pro Asn Ile Ala Leu Arg Leu Arg
20 25 30

Xaa Thr Xaa Xaa Xaa Asn Gln Thr Phe Val Gln Gly Val Asn Thr Asp
35 40 45

Ser Cys Leu Leu Tyr Cys
50

<210> 7784
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7784
Asp Leu Tyr Pro Trp Pro Phe Phe Phe Phe Phe Phe Pro Gly Xaa Leu
1 5 10 15

Xaa His Cys Ser Phe Xaa Leu Tyr Phe Leu Pro Tyr Xaa Asn Gln Arg
20 25 30

BNSDOCID: <WO 0122920A2 I >>

<210> 7785
<211> 75
<212> PRT
<213> Homo sapiens

<400> 7785
Gly Pro Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp
1 5 10 15

Pro Arg Val Arg Lys Lys Gly Tyr Cys Ile Phe Lys Asn Arg Lys Leu
20 25 30

Asn Pro Ser Cys Glu Lys Pro Val Val Leu Cys Ala Trp Cys Cys Ala
35 40 45

Glu Pro Gly Ala Val Val Leu Cys Trp Asp Phe Leu Asp Ser Trp Ala
50 55 60

Gly His Ile Leu Gln Glu Leu Ser Arg Pro Val
65 70 75

<210> 7786
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7786
Gly Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Val
1 5 10 15

Leu Cys Leu Glu Ala Asn Leu Gly Pro Ser Ser Val Glu Pro Phe Ser
20 25 30

Ala Val Tyr Pro Ser Lys Cys Leu Ala Phe Gln Ile Ile Val Ser Leu
35 40 45

Met Cys Val Arg Arg Gly Gly Ser Gly Trp Arg Arg Xaa Pro Asn Thr
50 55 60

Ser Leu Pro Cys Gln His Leu Pro Pro Arg Leu Gly Lys Asn Gln Asn

65 70 75 80

Asn Lys Asp Asn Ala Ile Ser Cys Ser
85

<210> 7787
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7787
Ile Leu Cys Phe Asn Ser Trp Asn Pro Ser Val Cys Leu Gly Gly Ser
1 5 10 15

Leu Leu Ile Lys Tyr Ser Arg Pro Thr Thr Ile Ala Ala Phe Leu Ile
20 25 30

Pro Pro Leu Leu Lys Leu Leu Leu Arg Leu Thr Xaa Val Ser Ser Leu
35 40 45

Pro Leu Ile Glu Thr Leu Glu Phe Ser Gly Pro Leu Xaa Leu Pro Ile
50 55 60

Ser Cys Ser Lys Ser Cys Asn Tyr Trp Asp Gly Lys Val Thr Asn Ser
65 70 75 80

Asp His Xaa

<210> 7788
<211> 62
<212> PRT

<213> Homo sapiens

<400> 7788
Lys Ile Phe Glu Lys Ile Pro Gly Ile Gln Arg Gln Pro Lys Ala Asn
1 5 10 15

Leu Gly Ile Pro Ser Tyr Phe Thr Val Gln Lys Ile Ser Pro Ile Ser
20 25 30

Lys Asp Asn Thr Gly Asn Asp Lys Ile Tyr Val Phe Glu Arg Ile Val
35 40 45

Met Phe Leu Ala Ser Thr Leu Ile Lys Gly Arg Cys Ser Leu
50 55 60

<210> 7789
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7789
His Trp Ser Leu Cys Cys Ala Ser Gly Thr Ala Gln Leu Xaa Gly Xaa
1 5 10 15

Ala Gln Ala Thr Lys Xaa Arg Lys Gln Leu Arg Phe Xaa Pro Ile Met
20 25 30

Asn Gln

<210> 7790
<211> 139
<212> PRT
<213> Homo sapiens

<400> 7790
Pro Ala Ala Leu Gly Gly Gly Val Val Ala Val Ala Val Cys Glu Pro
1 5 10 15

Val Ala Arg Leu Leu Trp Ala Gly Thr Leu Lys Val Ser Asn Ser Arg
20 25 30

Trp Leu Met Arg Ser Tyr Lys Arg Val Arg Phe Ala Gly Ala Arg Leu
35 40 45

Arg Val Ser Val Leu Tyr Cys Phe Ser Arg Arg Pro Ser Ala Pro Arg
50 55 60

Leu Pro His Val Gln Ala Glu Arg Arg Val Gly Arg Ser Arg Arg Arg
65 70 75 80

Arg Ser Arg Gly Gly Ala Gly Gly Gly Glu Ala Ala Pro Ala Arg Asn
85 90 95

Ala Gly Ser Trp Gly Ser Pro His Val Ala Gly Ala Gln Ala Val Pro
100 105 110

Arg Leu Leu Arg Asp Gly Thr Val Ala Ala Leu Ile Pro Ile Ala Ser
115 120 125

Phe Phe Phe Phe Phe Phe Thr Ser Thr Ala Phe
130 135

<210> 7791
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ 0122920A2_I_ >

<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7791
Ser Ser Leu Gly Ser Arg Gly Ala Glu Arg Ser Ile Asp Asp Ile Gly
1 5 10 15

His Leu Ile His Glu Xaa Leu Gln Asn Leu Leu Ser Leu Gln Pro Xaa
20 25 30

Ser Asn Xaa Ile Val Leu Lys Phe
35 40

<210> 7792
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7792
Gly Lys Thr Gln Xaa Val Ser Asp Ser Leu Ile Phe Ile Xaa Val Xaa
1 5 10 15

Xaa Lys Trp Val Phe Leu
20

<210> 7793
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7793

Lys Thr Ser Xaa Xaa Xaa Xaa Xaa Leu Ser Leu Lys Leu Val Arg Leu
1 5 10 15

Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Pro Arg
20 25 30

Val Arg Cys Ser Asn Arg His Ile Lys Glu Val Leu Trp Met Glu Ala
35 40 45

Gln Arg Lys Lys Arg Leu Ile Val Ser Lys Asn Leu Glu Gly Met Lys
50 55 60

Met Lys Ile Glu Ile
65

<210> 7794
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7794
Ser Ile Cys Leu Trp Ser Lys Gln Leu Ala Ser Phe Met Cys Gly Leu
1 5 10 15

Leu Thr Lys Leu Pro Met Leu Val Ser Phe Leu His Tyr Asp Val Tyr
20 25 30

Ser Leu Leu Lys Leu Leu Leu Leu Ser Val Leu Leu Ser His Cys Ser
35 40 45

Ala Cys Ser Ser Ser Ala Xaa Xaa Ser Asp Xaa Xaa Pro
50 55 60

<210> 7795
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7795
Gly Gly Gly Lys Lys Ala Leu Gly Val Lys Arg Xaa Leu Gly Xaa Arg
1 5 10 15

Val Asn Pro Gly Gly Ser Pro Gly Xaa Asn Phe Ser Pro Arg Gly Gly
20 25 30

Ser Gly Lys Pro Pro Asn Gly Arg Xaa Pro Xaa Trp Gly Ala Leu Thr
35 40 45

Leu Thr Gly Asn Gly Gly Arg Lys Trp Lys Ser Phe Xaa Arg
50 55 60

<210> 7796
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7796
Pro Xaa Xaa Arg Thr Ile Pro Ser Ile Pro Val Val Pro Glu Leu Pro
1 5 10 15

Cys Pro Lys Ala Cys Ala Arg Phe Thr Pro Xaa Xaa Ala Xaa Leu Xaa
20 25 30

Pro Glu Asn Ser Glu Asp Met Asn Ser Arg Gln Ala Trp Xaa Leu Leu
35 40 45

Leu Ser Gln Gly Arg Gly
50

<210> 7797
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7797
Xaa Phe Pro Gly Arg Pro Ile Xaa Leu Pro Pro Leu Ser Cys Pro Glu
1 5 10 15

Glu Ala Thr Pro Cys Leu Xaa Arg Gly Pro Gly Asn Xaa Cys Gly Pro
20 25 30

Glu Glu Trp Arg Gly Cys Gly Met Asn Thr Met Thr Ala Xaa Ile Arg
35 40 45

Leu Xaa Pro
50

<210> 7798
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7798
Leu Ala Pro Trp Asp Xaa Trp Val Gly Gln Val Ile Leu Leu Xaa Ser
1 5 10 15

Gly Ser Arg Xaa Xaa Xaa Gly Asp Xaa Asp Asp Arg Asp Lys Ile Thr
20 25 30

Xaa Glu Lys Ile Gln Glu Leu Xaa Gly Glu Gly Xaa Gly Leu Thr Lys
35 40 45

Leu Ser Leu Pro Xaa Lys Gly Glu Leu Glu Ala Thr Asp Val Gly Thr
50 55 60

Ala Xaa Cys Phe Pro Asp Asp Glu Thr Gly Ala Val Met Leu Arg Ala
65 70 75 80

Pro Ser Ser Gly Xaa Cys Thr Xaa
85

<210> 7799
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7799
Ala Ile Ser Arg Ile Ala Ser Gly Arg Pro Xaa Gly Xaa Xaa Phe Xaa
1 5 10 15

Gly Xaa

<210> 7800
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7800
Lys Phe Thr Lys Cys Leu Val Gln Leu Asn Ile Leu Leu Xaa Lys Xaa
1 5 10 15

Cys Val Ala Lys Ile Phe Tyr Xaa His Tyr Leu Asn Asn Leu Xaa Gly
20 25 30

Lys Asn Val Trp Ser Ser Xaa Xaa Pro Leu Leu Phe Leu Ser Ser Tyr
35 40 45

Phe Gln Xaa Val Lys
50

<210> 7801
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7801
Trp Ile Glu Leu Ser Gly Trp Xaa Xaa Ala Xaa His Gly Xaa Xaa
1 5 10 15

<210> 7802
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7802
Gly Lys Pro Pro Ile Phe Gly Leu Lys Xaa Pro His Phe Thr Leu Ile
1 5 10 15

Ser Val Val Lys Xaa Pro Gly Ala His Arg His Xaa Xaa Arg
20 25 30

<210> 7803
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7803
Xaa Trp Val Ser Xaa Ser Arg Xaa Arg Glu Glu Asp Gly Leu His Thr
1 5 10 15

Xaa Cys Pro Pro Ala Pro Ser Pro Ala Ser Leu Xaa Pro Xaa Xaa Xaa
20 25 30

Arg Trp Pro Lys Glu Cys Lys Tyr Leu Met Lys Tyr Val
35 40 45

<210> 7804
<211> 30
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7804
Asn Val Asn Lys Trp Arg Glu Lys Gly Leu Xaa Asp Lys Pro Asp Thr
1 5 10 15

Trp Xaa Xaa Gly Ile Thr Pro Gly Gly Thr Arg Gly Lys Met
20 25 30

<210> 7805
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7805
Val Ala Ile Ala Cys Val Val Gly Val Xaa Xaa Phe Cys Leu Xaa Lys
1 5 10 15

<210> 7806
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO 0122920A2 I >

<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7806
Ala Xaa Ile Ala Pro Pro Arg Gly Ala Pro Pro Leu Ala Xaa Gly Ala
1 5 10 15

Arg Val Ser Val Thr Leu Cys Thr Pro Leu Thr Val Val Arg Xaa Lys
20 25 30

Val Pro Pro Gly Arg Pro Xaa Ala Xaa Ala Xaa His Arg Ala Ser Val
35 40 45

Leu Gln Cys Asn Asn Trp Thr Arg Pro Cys Arg Ser Ser Arg Phe Leu
50 55 60

Xaa Leu Ala Pro Arg Leu Ser Xaa Phe Ala His Lys Xaa Glu Glu Leu
65 70 75 80

Ala Xaa Gly Gly

<210> 7807
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7807
Gly Gly Xaa Ser Leu Gly Ser Xaa Xaa Ser Thr Ala Xaa Gly Pro Gly
1 5 10 15

Met Asp

<210> 7808
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7808
Trp Thr Cys Phe Leu His Ser Ser Thr Val Trp Lys Arg Trp Leu Thr
1 5 10 15

Ala Ala Trp Leu Ser Glu Phe Gln Arg Asn Gly Leu Leu Leu Asn Ile
20 25 30

Gln Val Leu Leu His Thr Arg Glu His Thr Leu Ser Leu Pro Leu Xaa
35 40 45

Val Gly Val Ser
50

<210> 7809
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7809
Ile Leu Met Leu Thr Arg Gly Glu Asn Lys Thr Gln Val Phe Ser Ile
1 5 10 15

Tyr Ala Ala His Pro Lys Leu Pro Gln Met Ile Leu Pro Ser Asp Asn
20 25 30

Phe Ile Tyr Lys Leu Gly Lys Ile Trp Cys Gly Pro Phe Arg Pro Xaa
35 40 45

Met Pro Xaa Xaa Thr Pro Ser Cys Ser Asn Asp Gln Asn Met Leu Glu
50 55 60

<210> 7810
<211> 166
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (163)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7810
Gly Ala Gly Leu Arg Ala Trp Gln Arg Leu Asp His Gly Val Pro Ala
1 5 10 15

Pro Gly Leu Ala Arg Val Gln Ser Gln Leu Gln Ala Val Asn Thr Val
20 25 30

Ser Ala Arg Val Leu Leu Gly Ser Ala Ala Pro Arg Pro Pro Pro Ala
35 40 45

Ser Leu Leu Gly Ala Ala Pro Cys Trp Gln Pro Ala Pro Pro Ser Pro
50 55 60

Pro Ser Leu Gly Trp Leu Gly Leu Leu Ala Tyr Ser Thr Leu Leu Arg
65 70 75 80

Ser Arg Ser Arg Ser Ala Ala Leu Asp Ala Arg Ser Leu Leu Phe Leu
85 90 95

Lys Cys Leu Phe Val Pro Pro His Leu Phe Pro Val Ile Ile Tyr Ser
100 105 110

Leu Gly Pro Arg Pro Pro Thr His Thr Phe Met Asn Pro His Phe Phe
115 120 125

Phe Pro Ser Pro Phe Pro Ser Pro Pro Gln Gly Ala Ser Ser Phe Ser
130 135 140

Gln Ser Ile Cys Pro Leu Ile Trp Pro Leu Leu Ser Leu Ser Pro His
145 150 155 160

Gly Xaa Xaa Phe Thr Arg
165

<210> 7811
<211> 42
<212> PRT
<213> Homo sapiens

<400> 7811
Arg Gly Tyr Cys Glu Ala Thr Ala Lys Met Leu Ile Gln Lys Ile Arg
1 5 10 15

Ser Asn Thr Tyr Ser Phe Ile Asp Tyr Met Arg Ile Ala Gln Gly Leu
20 25 30

Val Lys Leu Trp Gln Thr Arg Asp Ile Glu
35 40

<210> 7812
<211> 39
<212> PRT
<213> Homo sapiens

<400> 7812
Glu Asp Leu Arg Lys Lys Thr Phe Arg Phe Pro Leu Lys Asn Arg Thr
1 5 10 15

Gln Asn Trp Leu Val Asn Val Phe Arg Met Met Asn Lys Ser Leu Ile

BNSDOCID: <WO__ 0122920A2_1 >

20 25 30

Asn Ser Val Thr Tyr Val Phe
35

<210> 7813
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7813
Lys Leu Ala Ile Ser Glu Gly Glu Glu Gly Gly Gln Gly Glu Gly Ala
1 5 10 15

Gly Met Ala Ala Gly Ser Gln Ala Val Ser Gly Ala Gly Ala Gln Glu
20 25 30

Ala His Arg Arg Ala Ser Trp Lys Glu Trp Thr Val Ser Glu Ala Arg
35 40 45

Gly Lys Arg His Leu Leu Glu Leu Val Thr Pro Ala Trp Cys Pro Pro
50 55 60

Lys Pro Glu Tyr Glu Ala Xaa Arg Met Gln Val Ser Ser
65 70 75

<210> 7814
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7814
Asn Xaa Tyr Gly Trp Lys Phe Lys Leu Arg Ala Xaa Cys Cys Tyr Leu
1 5 10 15

Gln Arg Glu Thr Xaa Val Met Arg Met Xaa Lys Ile Xaa Xaa Leu Arg
20 25 30

Ile Xaa Xaa Ile Glu Xaa Xaa Xaa Tyr Xaa Met Ile Xaa Gln Lys Lys
35 40 45

Gly Gln Xaa Cys Asn Gln Arg Gly Arg Glu
50 55

<210> 7815
<211> 38
<212> PRT
<213> Homo sapiens

<400> 7815
Ile Glu Lys Thr Cys Leu Tyr Leu Met Ile Pro Val Leu Met Phe Cys
1 5 10 15

Val Ile Gly Glu Val Gln Lys Leu Arg Asn Ile Val Asp Ser Ile Glu
20 25 30

Asn Ser Ile Leu Glu Glu
35

<210> 7816
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7816
Asp Tyr Xaa Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile
1 5 10 15

Pro Xaa Ser Thr His Ser Xaa Gly Lys Lys Pro Leu Gly Pro Gly Ile
20 25 30

Xaa Xaa Ile Thr Phe Val Arg Lys Cys Cys Ala Phe
35 40

<210> 7817
<211> 78
<212> PRT
<213> Homo sapiens

<400> 7817
Ala Arg Ala Arg Ala Gly Ala Ile Ala Val Thr Glu Gly Ser Ser Leu
1 5 10 15

Arg Pro Arg Leu Gln Leu Lys Ser Leu Asp Lys His Leu Thr Pro Ala
20 25 30

Ser Gly Met Lys Gly Gly Asn Leu Asp Leu Asn Gly Leu Asp His Leu
35 40 45

Thr Thr Ala Arg Val Thr Thr Ala Phe Val Ala Gly Lys Lys Ile Ala
50 55 60

Val Ser Thr Gln Glu Ser Ser Asn Phe Thr Val Phe Val Phe
65 70 75

<210> 7818
<211> 63
<212> PRT
<213> Homo sapiens

<400> 7818
Gly Thr Ser Pro Val Asp Glu His Val Asp Ile Asn Gly Leu Ala Trp
1 5 10 15

Pro Lys Leu Pro Ala Gln His Ala Leu Ala Ser Ala Gly Tyr Ser Glu
20 25 30

Asn Ile Leu Phe Lys Thr Leu Tyr Arg Thr Asn Arg Pro Arg Gly Ser
35 40 45

Phe Val His Ser Trp Pro Leu Lys Leu Ser Arg Leu Ser Lys Gly
50 55 60

<210> 7819
<211> 26
<212> PRT
<213> Homo sapiens

<400> 7819
Cys Phe Thr Val Arg Tyr Lys Ile Lys Met Lys Leu Cys His Ala Asp
1 5 10 15

Asn Val Tyr Gln Val Ile Leu Glu Ile Ser
20 25

<210> 7820
<211> 64
<212> PRT
<213> Homo sapiens

<400> 7820
Asn Leu Tyr Gln Cys Val His Gln Leu Ser Asn His Arg Val Leu Ser
1 5 10 15

Thr Ala Lys Lys Ser Leu Glu Lys Glu Glu Glu Leu Cys Leu Phe Thr
20 25 30

Pro Leu Leu Cys Thr Ser Lys Ile Gln Trp Trp Glu Lys Ile Cys Ser
35 40 45

BNSDOCID: <WO__ 0122920A2 I >

Ser Phe Ser Gln Arg Tyr Ser Leu Gly Asn Ala Leu Lys Arg Thr Lys
50 55 60

<210> 7821
<211> 51
<212> PRT
<213> Homo sapiens

<400> 7821
Ser Pro Leu Phe Leu Pro Thr Leu Lys Lys Met Ser Ser Tyr Phe Phe
1 5 10 15

Trp Glu Arg Gly Gly Leu Ile Arg Lys Lys Cys Ser Val Phe His Leu
20 25 30

Lys Phe Trp His Met Ala Phe Ser Asn Leu Gly Ser His Asn Val Leu
35 40 45

Gly Pro Ser
50

<210> 7822
<211> 123
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7822
Phe Gly Val Thr Tyr Leu Glu Asp Tyr Ser Ala Glu Tyr Ile Ile Gln
1 5 10 15

Gln Gly Gly Trp Gly Thr Val Phe Ser Leu Glu Ser Glu Glu Glu Glu
20 25 30

BNSDOCID: <WO__ 0122920A2 I >>

```
Tyr Pro Gly Ile Thr Ala Glu Asp Ser Asn Asp Ile Tyr Ile Leu Pro
         35                  40                  45

Ser Asp Asn Ser Gly Gln Val Ser Pro Pro Glu Ser Pro Thr Val Thr
     50                  55                  60

Thr Ser Trp Gln Ser Glu Ser Leu Pro Val Ser Leu Ser Ala Ser Gln
 65                  70                  75                  80

Ser Trp His Thr Glu Ser Leu Pro Val Ser Leu Gly Pro Glu Ser Trp
                 85                  90                  95

Gln Gln Ile Ala Met Asp Pro Glu Glu Val Lys Ser Leu Asp Ser Asn
            100                 105                 110

Gly Ala Gly Glu Lys Ser Glu Xaa Asn Xaa Ser
        115                 120
```

<210> 7823
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7823

```
Pro Xaa Pro Pro Pro Xaa Val Pro Thr Arg Ala His Pro Cys His Leu
  1               5                  10                  15

Cys Pro Gln Pro Pro Arg Leu Ser Ala Thr Ala Ser Phe Ser Thr Glu
             20                  25                  30

Asp Leu Gly Lys Gly Cys Cys Leu Cys Ser Phe Phe His Phe Cys Pro
         35                  40                  45

Leu Leu Ala Leu Arg Val Asp Gly Val Val Leu Gln Tyr Trp Ile Val
     50                  55                  60

Pro Ala Leu Arg Thr Lys Glu Lys Phe Lys Leu Ser Val Glu Lys Gly
 65                  70                  75                  80
```

Ile

<210> 7824
<211> 32
<212> PRT
<213> Homo sapiens

<400> 7824
Thr Tyr Ala Tyr Ser Tyr Ile Thr Ile Ser Lys Ile Gly Gly Leu Arg
1 5 10 15

Asp Ala Ile Val His Ser Leu Asn Val Leu Met Lys Pro Lys Lys Ser
20 25 30

<210> 7825
<211> 50
<212> PRT
<213> Homo sapiens

<400> 7825
Pro Leu Ser Tyr Phe Phe Leu Ser Val Ser Leu Ser Pro Ala Ser Glu
1 5 10 15

Ser Pro Ile Ser Ser Val Ser Thr Cys Arg Ile Ile Ile Met Pro Cys
20 25 30

Thr Ser Ser Leu Ile Thr Cys Thr Val Phe Phe Leu Ile Leu Tyr Gln
35 40 45

Met His
50

<210> 7826
<211> 58
<212> PRT
<213> Homo sapiens

<400> 7826
Thr Gln Val Ile Thr Pro Trp Ala Gly Pro Ala Pro Gln Gly Pro Ile
1 5 10 15

BNSDOCID: <WO_ 0122920A2_I_>

```
Pro Leu Leu Pro Ser Leu Ser Ser Pro Thr Ala Gln Ala Gly Ala Lys
            20                  25                  30

Pro Thr Gly Arg Thr Cys Asp His Arg Gln Gly Pro Arg Thr Pro Ala
        35                  40                  45

Pro Gly Ile Leu Thr Ser Arg Lys Glu Thr
    50                  55
```

<210> 7827
<211> 65
<212> PRT
<213> Homo sapiens

<400> 7827

```
Lys Trp Asn Glu Val Pro Gly Asp Leu Asn Ser His Gly Gly Lys Arg
  1               5                  10                  15

Lys Arg Thr Leu Cys Lys Glu Met Ala Ser Arg Val Pro Gly Glu Pro
            20                  25                  30

Ile Pro Leu Gly Arg Arg Cys Ser Val Arg Trp Thr Trp Thr Trp Ile
        35                  40                  45

Lys Trp Val Phe Asn Lys Tyr Leu Leu Ser Arg Trp Trp Arg Arg His
    50                  55                  60

Asp
 65
```

<210> 7828
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7828
Trp Val Pro Arg Ala Ala Xaa Ile Arg Gln Xaa Xaa Leu Gly Ser Ser
1 5 10 15

Phe Gly Ser Gly Ala Gly Ser Ser Ser Phe Ser Arg Thr Ser Ser Ser
20 25 30

Arg Ala Val Val Val Lys Lys Ile Glu Thr Arg Asp Gly Lys Leu Val
35 40 45

Ser Glu Ser Ser Asp Val Leu Pro Lys
50 55

<210> 7829
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7829
Lys Phe Thr Lys Cys Leu Val Gln Leu Asn Ile Leu Leu Phe Lys Cys
1 5 10 15

Val Leu Leu Asn Phe Leu Leu Ser Leu Leu Asn Asn Leu Cys Gly Lys
20 25 30

Met Cys Val Ser Thr Phe Pro Ser Phe Xaa Ile Ser Tyr Phe Gln Glu
35 40 45

Ser Asn Val Ala Ile Asn Cys Ile Leu Val
50 55

<210> 7830
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)

BNSDOCID: <WO_ 0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7830
Pro Arg Val Arg Pro Arg Val Arg Glu Asn Gln Asp Gln Ala Ser Phe
1 5 10 15

```
Cys Pro Ser Ala Pro Arg Glu Val Ser Val Leu Pro Glu Leu Ala Leu
             20                  25                  30

Gly His Leu Arg Tyr Arg Leu Thr Gly Val Pro Pro Gln Ser Asn Ser
         35                  40                  45

Pro Pro Gly Thr Val Pro Gly Ala Gly Xaa Ala Arg Xaa Xaa Arg Gly
     50                  55                  60

Arg Ala Leu Gly Ala Arg Ser Glu Ser Pro Ser Gly Leu Xaa Pro Pro
 65                  70                  75                  80

Xaa Xaa Arg Val Ser Glu Lys Thr Ile Arg Val Val Val Phe His Arg
                 85                  90                  95

Arg Pro Ala Arg Xaa Xaa Lys Pro Gly Xaa Gly Ala Pro Ser Arg Gly
            100                 105                 110

Lys Arg Gly Gly Ala Xaa
        115
```

<210> 7831
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7831

```
Glu Ser Arg Leu Arg Xaa Pro Asp Ser Arg Pro Xaa Ala Arg Pro His
  1               5                  10                  15

Leu Xaa Pro
```

<210> 7832
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7832
Ser Leu Xaa Gly Thr Asn Leu Xaa Glu Tyr Leu Xaa Lys Glu Lys Leu
1 5 10 15

Xaa Lys Glu Ala Ala Lys Xaa Leu Glu Gln Ser Lys Glu Ala Asp Ile
20 25 30

Asp Ser Xaa Asp Xaa Ser Asp Ile Glu Glu Asp Ile Asp Xaa Pro Ser
35 40 45

Ala His Xaa
50

<210> 7833
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7833
Ile Leu Val Gln Tyr Asp Val Ile Gln Leu Cys Ile Glu Leu Asn Phe
1 5 10 15

Gly Cys Ile Tyr Met Tyr Tyr Thr Cys His Ala Ser Ser Cys Phe Asn
20 25 30

His Phe Ile Thr Ile Phe Val His Ile Leu Leu Glu Asn Ile Leu Asn
35 40 45

Gly Asn Leu Asn Lys His Leu Ile Val Tyr Ile Lys Lys Xaa Xaa
50 55 60

<210> 7834
<211> 20
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7834
Xaa Lys Met Xaa Glu Gln Glu Xaa Val Ala Gln Leu Tyr Met Thr Leu
1 5 10 15

Lys Xaa Xaa Glu
20

<210> 7835
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7835
Ile Pro Pro Cys Ser Val Tyr Leu Gln Asp Cys Ile Gly Asn Leu Ser
1 5 10 15

Ser Ser Ser Pro Ser Pro His Tyr Leu Leu His Thr Val Leu Thr Asp
20 25 30

Ser Val Leu Ile Leu Ile Thr Arg Thr Ile Asn Ser Ser Xaa Gly Ile
35 40 45

Ser Gly Val Tyr Ser Arg Leu Ser Leu Ile Xaa Val Pro Lys Phe Phe
50 55 60

<210> 7836
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7836
Glu Glu Ile Asn Ile Leu Phe Gln Glu Glu Leu Ile Ser Leu Ala Lys
1 5 10 15

Tyr Leu Pro Phe Ile Met Xaa Ser Lys Ser Ala Ile Xaa Phe Ser Phe
20 25 30

Asn Phe Xaa Lys Leu Xaa Asn Tyr Phe Lys Asn Ser Cys Arg Trp Trp
35 40 45

Lys

<210> 7837
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7837
Gly Arg Trp Xaa Ser Gly Asp Lys Phe Trp His Ile Leu Ser Thr Leu
1 5 10 15

Trp Val Asp Arg Gly Gly Arg Met Glu His Pro Trp Arg Gly Tyr Val
20 25 30

Gly Asp Ser Ile Phe Pro Pro Ala Xaa Xaa Asn Lys Xaa Leu Ile Trp
35 40 45

Gly Lys Xaa Trp His Thr Xaa
50 55

<210> 7838
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7838
Arg Lys Leu His Glu Leu Ile Val Leu Tyr Gly Lys Ile Xaa Leu Glu
1 5 10 15

Arg Tyr Phe Xaa Lys Xaa Phe Phe Pro Ser Xaa Asn Phe Met Lys Leu
20 25 30

Xaa

<210> 7839
<211> 85
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO_ 0122920A2_I_>

<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7839
Arg Thr Tyr Phe Pro Val Lys Met Pro Thr Thr Lys Lys Thr Leu Met
1 5 10 15

Phe Leu Ser Ser Phe Phe Thr Ser Leu Gly Ser Phe Ile Val Ile Cys
20 25 30

Ser Ile Leu Gly Thr Gln Ala Trp Ile Thr Ser Thr Ile Ala Val Arg
35 40 45

Asp Ser Ala Ser Asn Gly Ser Ile Phe Ile Thr Tyr Gly Leu Phe Arg
50 55 60

Gly Glu Ser Ser Glu Glu Leu Ser His Gly Leu Ala Glu Pro Xaa Lys
65 70 75 80

Lys Phe Cys Ser Phe
85

<210> 7840
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7840
Leu Thr Ile Arg Asn Glu Tyr Ser Asn Phe Pro Phe Ser Arg Xaa Pro
1 5 10 15

Thr Met Ala Gly Gly Leu Phe Ala Met Asn Arg Gln Tyr Phe His Gly
20 25 30

Thr Trp Thr Val
35

<210> 7841
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7841
Gln Xaa His Ile Ser Pro Xaa Ala Ser Cys Glu Val Xaa Ala Pro Gln
1 5 10 15

Pro Ser Pro Ala Gly Arg Pro Arg Gly His Trp Arg Xaa Pro Asp Leu
20 25 30

Gly Pro Val Xaa Leu Pro Ala Phe Xaa Glu Xaa Gly Gly Arg Arg Ala
35 40 45

Ala Pro Xaa Val
50

<210> 7842
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7842
Arg Pro Thr Arg Pro Pro Thr Arg Pro Val Xaa Ser Ile Pro Xaa Leu
1 5 10 15

Trp Ala Ala Xaa Val Ser Pro Pro Lys
20 25

<210> 7843
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7843
Xaa Leu Asn Tyr Gln Xaa Ile Thr Gly Val Ile Leu Xaa Tyr Asp Arg
1 5 10 15

Xaa Thr Tyr Leu Thr Asn Lys Gln Thr Val Xaa Phe Ser Met Gly Gln
20 25 30

Gly Leu Pro Tyr Asn Xaa Ser
35

<210> 7844
<211> 82
<212> PRT
<213> Homo sapiens

<400> 7844
Gly Pro Cys Pro Ala Val Leu Thr Glu Ala Cys Phe Pro Leu Pro Leu
1 5 10 15

Leu Leu Cys Trp Asn Ser Thr Gly Thr Arg Ala Thr Ala Gly Thr Val
20 25 30

Ser Glu Asp Leu Ile Phe Pro Ser Leu Phe Leu His Thr Pro Leu Thr
35 40 45

Asn Val Pro Ser Gly Phe His Leu Trp Gly Phe Lys Cys Phe Gln Ala
50 55 60

Gln Pro Thr Thr Thr Ser Lys Cys Ile Ser Val Val Val Leu Phe Cys
65 70 75 80

Leu Cys

<210> 7845
<211> 146
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7845

```
Leu Ala Glu Ile Gly Ala Val Thr Leu Val Ser Ala Pro Arg Pro Asp
  1               5                  10                  15

Ser Arg His His Ser Leu Ala Leu Thr Ser Phe Lys Arg Gln Gln Glu
             20                  25                  30

Glu Ser Phe Gln Glu Gln Ser Ala Leu Ala Ala Glu Ala Arg Glu Thr
         35                  40                  45

Arg Arg Gln Glu Leu Leu Glu Lys Ile Thr Glu Gly Gln Ala Ala Lys
     50                  55                  60

Lys Gln Lys Leu Glu Gln Ala Ser Gly Ala Ser Ser Ser Gln Glu Ala
 65                  70                  75                  80

Gly Ser Ser Gln Ala Ala Lys Glu Asp Glu Thr Ser Asp Gly Gln Ala
                 85                  90                  95

Ser Gly Glu Gln Glu Glu Ala Gly Pro Ser Ser Ser Gln Ala Gly Pro
            100                 105                 110

Ser Asn Gly Val Ala Pro Leu Pro Asp Leu Leu Xaa Leu Ser Xaa Trp
        115                 120                 125

Pro Leu Gln Ala Ser Thr Gly Gln Gly Gln Ala Pro Gly Leu Ala Cys
    130                 135                 140

Pro Val
145
```

<210> 7846
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7846
Gly Arg Xaa Ala Gly Leu Ala Ala Arg Asp His Gly Gly Ser Ala Lys
1 5 10 15

Arg Xaa Xaa Xaa Leu Pro
20

<210> 7847
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7847
Ser Thr Ile Lys Glu Arg Gly Leu Gln Arg Thr Lys Gly Xaa Lys Pro
1 5 10 15

Ser Ile Arg Ala Xaa Ala His Tyr Val Asn His His Pro Asn Gln Val
20 25 30

Phe Trp Gly Arg Gly Ala Val Lys Ala Leu Asn Arg Asn Pro Lys Gly
35 40 45

Ser Pro Arg Phe
50

<210> 7848
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7848
Gly Ala Met Arg Gly Asp Xaa Gly Arg Gly Arg Gly Xaa Arg Phe Xaa
1 5 10 15

Xaa Arg Xaa Gly Pro Glu Glu Gly Ser Ser Pro Leu Leu Pro His Xaa
20 25 30

Pro Leu Asp Phe Tyr Leu Cys Glu Xaa Xaa Leu Phe Pro Gly Gln Xaa
35 40 45

Gln Gln Leu Trp Lys Leu Ser Xaa Met Arg
50 55

<210> 7849
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7849
Leu Cys Leu Cys Ile Lys Leu Thr Val Leu Trp Ser Phe Gly Met Asp
1 5 10 15

Gln Glu Glu Lys Val Asn Thr Asn Leu Xaa Thr Thr Ser Glu Xaa Ser
20 25 30

Thr Xaa Ser Cys Tyr Arg Arg Ile Cys Ser Arg Leu Xaa Pro Ala Gly
35 40 45

Cys Pro Gly Arg Gly His Lys Met Pro Ser Thr Xaa Thr Arg Xaa Glu
50 55 60

Asn Leu Arg Asp Gly Arg Cys
65 70

<210> 7850
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7850
Ser Cys Ser Thr Ser Leu Lys His Leu Arg Lys Ala Leu Xaa Ser Val
1 5 10 15

Ile Pro Thr Ser Leu Xaa Ser Arg Gln Xaa Leu Ser Ser Ser Lys Ser
20 25 30

Gln Leu Leu Phe Asn Thr Val Leu Xaa
35 40

<210> 7851
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7851
Asn Xaa Thr Pro Cys Arg Val Pro Val Arg Asn Ser Arg Val Asp Pro
1 5 10 15

Arg Val Arg Ala Xaa Leu Xaa Val Ser Thr Leu Xaa Ala Ile Cys Ile
20 25 30

Ile Asn Ser Glu Asn Arg Xaa Ala Met Cys Met Gly Gly Thr
35 40 45

<210> 7852
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7852
Trp Xaa Thr Ala Xaa Xaa Gly Arg Leu Gln Val Pro Val Arg Asn Ser
1 5 10 15

Arg Ala Gln Gln Xaa Ala Gln Pro Glu Trp Arg Met Gly Xaa Leu Pro
20 25 30

Val Thr Gly Ala Leu Ser Arg Xaa Gly Val Trp Arg
35 40

<210> 7853
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7853
Ala Pro Gly Gly Ala Cys Ala Gly Arg Val Gly Leu Thr Gln Asn Arg
1 5 10 15

His Pro Ser Ser Phe Leu Gln Leu Pro Ala Pro Thr Gly Pro Asp Leu
20 25 30

Ala Ser Pro Arg Leu Cys Arg Asp Lys Ala Glu Ala Gln Cys His Asp
35 40 45

Cys Pro Arg Ile Glu Lys Gln Lys His Lys Thr Leu Thr Leu Thr Cys
50 55 60

BNSDOCID: <WO_ _0122920A2_I_>

Glu Ile Glu Xaa Arg Phe Ser Phe Leu Leu Ser Leu Gly Xaa Ser Ser
65 70 75 80

Gln Lys Arg Lys Asn Pro Asp Leu Xaa Xaa Glu Gly Pro Xaa Glu
85 90 95

<210> 7854
<211> 47
<212> PRT
<213> Homo sapiens

<400> 7854
Glu Gln Phe Thr Leu Thr His Ser Cys Cys Thr Ser Glu Asn Glu Ala
1 5 10 15

Leu Gln Ala Cys Thr Tyr Tyr Ile Thr Cys Ala Trp Leu Met Ala Met
20 25 30

His Phe Gln Ser Glu Phe Ile Tyr Lys Tyr Met His Pro Phe Phe
35 40 45

<210> 7855
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7855
Ala Arg Ala Gly Gly Pro Gly Ala Ala Gly Arg Gly Xaa Trp Ala Ala
1 5 10 15

Arg Xaa Pro Xaa Asp Trp Xaa Pro Gly Thr Pro Arg Gln
20 25

<210> 7856
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7856
Ala His Ala Ser Ala Val Arg Val Gly Lys His Leu Ser Phe Arg Gly

```
  1               5                  10                  15

Asp Ser Pro Ser Pro Ser Ser Phe Ala Glu Val Thr Gln Gly Trp Ser
             20                  25                  30

Arg Glu Xaa Ala Asp Asp Ile Xaa Ser Asn Pro Cys Leu Leu Pro Ser
         35                  40                  45

Arg Thr Val Gly Xaa Arg Ala Cys Thr Pro Val Gly Ser Lys Gly Ser
     50                  55                  60

His Arg Ser Lys Thr Pro Pro His Pro Lys Lys Arg Gly Lys Lys Xaa
 65                  70                  75                  80

Xaa Ser Val Xaa Asp Lys Pro Val Phe Xaa
                 85                  90
```

<210> 7857
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7857
Asn His Thr Val Gln Thr Phe Phe Ser Pro Val Asn Asn Gly Gln Xaa

1 5 10 15

Pro Asn Tyr Ile Asn Ile His Arg Xaa Glu Gln Xaa Val Cys Val Xaa
20 25 30

Gly Ala Pro Gln Thr Xaa Ser Pro His
35 40

<210> 7858
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7858
Ala Asp Ala Trp Ala Asp Ala Trp Ala Asp Ala Trp Ala Gly Arg Trp
1 5 10 15

Asn Ala Pro Thr Leu Xaa Leu Cys Gly Tyr Met Pro Gly Leu Ser Ile
20 25 30

<210> 7859
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO 0122920A2 I >

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7859
Phe Leu Lys Leu Thr His Xaa His Leu Ile Xaa Gly Lys Lys Ala Trp
1 5 10 15

Val Thr Ala Xaa Xaa Gly Leu Pro Gly Ser Gly Xaa Asn Phe Pro Arg
20 25 30

Gly Ser Glu Pro Xaa Xaa Xaa Val Pro Glu Leu Lys Phe Leu Lys Asn
35 40 45

Pro Arg Lys Ala Gly Pro Ala Ser Leu Arg Lys Gly Ile Pro Lys Gly
50 55 60

Leu Xaa Pro Phe Thr Xaa Arg Leu Ala Ile Ala Glu Arg Phe His Xaa
65 70 75 80

Ala Ser Phe Leu Ile Lys Leu Xaa His Xaa Xaa Lys Phe Gln Ile Ser
85 90 95

Thr Gly Ala Gly Pro Phe Leu Thr Asn Arg Ser Val Asn Leu Gly Gly
100 105 110

Lys Asn

<210> 7860
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7860
Pro Xaa Xaa His Phe Asn Phe Leu Xaa Glu Lys Lys Leu Trp Gly Leu
1 5 10 15

Thr Ala Leu Trp Xaa Thr Arg Leu Thr Xaa Gly Phe Pro Gly Gly Lys
20 25 30

Phe Pro Pro Gly Gly Phe Pro Asn Pro Xaa Xaa Arg Phe Pro Gly Gly
35 40 45

Glu Arg Xaa Val Trp Gly Ala
50 55

<210> 7861
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7861
Asp Ile Cys Ile Phe Leu Cys Thr Cys Phe Tyr Lys Met Tyr Leu Ile
1 5 10 15

Lys Leu Thr Phe Thr Cys Tyr Met Ile Leu Phe Ser Phe Phe Met Val
20 25 30

Ile Arg Glu Arg Thr Thr Lys Lys Arg Val Leu Lys Xaa Gln Val Arg
35 40 45

Met Phe Phe Gly His Leu Lys Pro Lys Leu Asn Val Phe Gln Pro Asn
50 55 60

<210> 7862
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7862
Gly Val Ser Xaa Ala Arg Thr Leu Arg Gly Xaa Gly Leu Arg Leu Tyr
1 5 10 15

Thr Leu Arg Pro Pro
20

<210> 7863
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7863
Asp Gly Xaa Ser Asn Leu Xaa Leu Leu Ile Xaa Lys Xaa Gly Thr Pro
1 5 10 15

Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Gly Xaa
20 25 30

Val Ser Trp Asp Xaa Xaa Val Met Xaa Gly Lys Thr Gln Arg Leu Ala
35 40 45

Pro Ile Phe
50

<210> 7864
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7864
Thr Ile Met Asp Met Tyr Phe Leu Val Ser Leu Thr Pro Lys Gly Asn
1 5 10 15

Gly Gly Leu Xaa Gln Ile Asp Xaa Leu Ser Lys Xaa Ile Cys Phe Ser
20 25 30

Lys Gln Asn Leu Cys Xaa Ile Glu Asp Xaa Ser Leu Phe Thr Tyr Arg
35 40 45

Val Asn Arg Leu Tyr Cys Leu Leu Arg Ser
50 55

<210> 7865
<211> 28
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7865
Gly Lys Glu Gly Arg Val Xaa Gly Val Ser Val Ser Leu Thr Gly Lys
1 5 10 15

Thr Gln Xaa Leu Leu Leu Xaa Leu Val Ala Xaa Leu
20 25

<210> 7866
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7866
Pro Leu Gly Arg Xaa Leu Val Arg Val Gln Val Pro Val Arg Asn Ser
1 5 10 15

Arg Val Asp Pro Arg Phe Arg Xaa Glu Glu Gly Gln Xaa Lys Val Val
20 25 30

Leu Ser Leu Xaa Gly Asn Ser Cys Pro Ser Pro Ile Ser Leu Lys Leu
35 40 45

Asn Lys Val Ser Leu Ser Xaa Thr Gly Ser Xaa
50 55

<210> 7867
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7867
Xaa Trp Gly Lys Gly Lys Xaa Tyr Ala Trp Xaa Xaa Pro Val Arg Asn
1 5 10 15

Ser Arg Xaa Asp Pro Arg Xaa Arg Xaa Arg Val Gly Gly Arg Val Xaa
20 25 30

Gln

<210> 7868
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7868
Ala Asp Ala Trp Val Arg Met Val Xaa Arg Gln Val Pro His Glu Arg
1 5 10 15

Ala

<210> 7869
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7869
Gly Gly Gly Xaa Gly Xaa Thr Xaa Xaa Phe Lys Ser Glu Pro Xaa Lys
1 5 10 15

Xaa Xaa Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr
20 25 30

His

<210> 7870
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7870
Pro Arg Val Arg Gly Arg Val Gly Cys Ser Thr Cys Pro Lys Gln Pro
1 5 10 15

Ala Ser Pro Gly His Arg Leu Pro Phe Gly Xaa Glu Gly Trp Pro Ile
20 25 30

Xaa Ala Ala Gly Ser Xaa Gly Xaa Gly Trp Ala Ser Gly Gly Gly Gly
35 40 45

Phe Leu Leu Ser Thr Xaa Gly His Pro Gly Asn Lys Gly Xaa Gln Gly
50 55 60

Ile Leu Leu Pro Ala Pro Leu Cys Arg Trp His Xaa Gly Arg Val Pro
65 70 75 80

Thr Val Lys Asp Glu Arg Xaa Lys Ala Leu Xaa Glu Pro Xaa Ser Gln
85 90 95

<210> 7871
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7871

Gly Gly Gly Xaa Gly Xaa Asp Tyr Gly Leu Ser Asn Thr Xaa His Tyr
1 5 10 15

Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Asn Ser Arg Val
20 25 30

Asp Pro Arg Val
35

<210> 7872
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7872
Asp Pro Arg Val Arg Val Thr Arg Xaa Arg Thr Arg Xaa Ser Lys Lys
1 5 10 15

Lys Lys Lys Xaa
20

<210> 7873
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7873
Xaa Xaa Asn Gly Met His Arg Xaa Leu Xaa Leu Lys Gly Arg Xaa Asp
1 5 10 15

Arg Ser Arg Gln Val Xaa Leu Pro Cys Ser Gly Asn Val His Gly Xaa
20 25 30

<210> 7874
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7874
Ala Ile Xaa Trp Thr Ser Ser Ser Ser Met Leu Ala Pro Ser Arg Ser
1 5 10 15

Leu Xaa Xaa Arg Leu Thr Leu Asp Met Ser Thr Gly Pro Ser Trp Asp
20 25 30

Arg Thr Val Pro
35

<210> 7875
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7875
Xaa His Glu Lys Xaa His Gly Thr Pro Ala Xaa Thr Gly Pro Glu Phe
1 5 10 15

Thr Gly Arg Asp Trp Glu Asn Pro Asp His Xaa Arg Xaa Gly Asn Leu
20 25 30

Ala

<210> 7876
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7876
Gly Xaa Asp Tyr Thr Val Leu Thr Gly Xaa Thr Xaa Leu His Xaa Met
1 5 10 15

Leu Cys Gly Ser Tyr
20

<210> 7877
<211> 82
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7877
Leu Ser Pro His Cys Gly Leu Pro Asn Pro Xaa Leu Leu Pro Phe Gly
1 5 10 15

Xaa Phe Gly Lys Ser Asn Ser Cys Leu Pro Met Ala Ser Leu Arg Pro
20 25 30

Asn Ser Phe Pro His Val Xaa His Ser Lys Pro Arg Phe Ser Leu Pro
35 40 45

Xaa Asp Leu Leu Xaa Ser Asn Leu Phe Ile Phe Leu Val Tyr Lys Ser
50 55 60

Gln Asn Ile Glu Phe Trp Glu Xaa Phe Xaa His Tyr Val Ser Lys Xaa
65 70 75 80

Lys Arg

<210> 7878
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7878
Ile Ile Glu Xaa His Gly Ser Leu His Val Pro Val Arg Asn Ser Arg
1 5 10 15

Val Val Thr Gly Lys Thr Gln Thr Ile Xaa Leu Ser Arg Xaa Xaa Ala
20 25 30

Leu Leu

<210> 7879
<211> 76
<212> PRT

BNSDOCID: <WO__0122920A2 1 >

<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7879

Ser	Leu	Lys	Ser	Ser	Thr	Ile	Phe	Trp	Gly	Val	Leu	Asn	Thr	Asn	Ile
1				5				10					15		

Ala	Trp	Ala	Xaa	Xaa	Lys	Xaa	Xaa	Leu	Pro	Ser	Leu	Ala	Ile	Xaa	Gly
		20					25					30			

Val	Gly	Gln	Thr	Ile	Cys	Ser	Trp	Cys	Val	Leu	Gln	Glu	Xaa	Gln	Thr
		35					40					45			

```
Leu Tyr Leu Thr Arg Glu Gly Gly Arg Asn Ser Val Glu Asp Glu Val
     50                  55                  60

Glu Arg Val Ile Thr Ile Xaa Ala Glu Ser Xaa Thr
 65                  70                  75
```

<210> 7880
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7880

```
Gly Xaa Leu Thr Thr Phe Gly Lys Xaa His Ala Cys Arg Tyr Arg Ser
  1               5                  10                  15

Gly Ile Pro Gly Ser Thr His Ala Phe Asp Phe Ser Leu Gln Pro Gly
             20                  25                  30

Pro Asn Ser His Leu Pro Gly Arg Ile Ser Ser Lys Glu Val Pro Gly
         35                  40                  45

Gly Trp Gly Pro Gly Arg Leu Trp Thr Pro Ile Ser Arg Gly Pro Ser
     50                  55                  60

Gln Pro Asp Pro Cys Pro Pro Ser Ser Gly Gly Gly Arg Cys Arg Val
 65                  70                  75                  80

Trp Leu Ser Phe Pro Pro Thr Phe Pro Gly Pro Asn Pro Phe Leu Ser
                 85                  90                  95

Tyr Thr Gln Leu Gly Leu Leu Pro
            100
```

<210> 7881
<211> 53
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7881
Pro Ala Leu Thr Gly Asn Ser Ser Phe Met Gly Asn Asn Cys Asn Pro
1 5 10 15

Arg Ser Pro Ser Arg Met Gly Phe Asn Gly Leu Pro Ala Pro Ala Ala
20 25 30

Xaa Gly Arg His Thr Leu Ser His Ser Met Xaa Ala Arg Xaa Ala Arg
35 40 45

Thr Ser Lys Gly Ser
50

<210> 7882
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7882
Pro Arg Xaa Xaa Pro Arg Val Arg Ser Arg Lys Xaa Val Pro Ala Leu
1 5 10 15

Leu Xaa Pro Leu Xaa Ala Pro Pro Pro Ala Gln Gly Gln Arg Gln Arg
20 25 30

Gln Arg Arg Leu Gly Arg Phe Xaa Arg Glu Ala Ser Xaa Asp Arg Trp
35 40 45

Pro Cys Gly Ile Xaa Asp Asn Xaa Thr Leu Ser Arg Arg Arg
50 55 60

<210> 7883
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7883
Thr Thr Arg Thr Pro Leu Xaa Val Val Leu His Arg Glu Ala Xaa Leu
1 5 10 15

Val Val Ala Pro Thr Glu Ser Thr Thr Ile Met Cys Val Trp Asp Thr
20 25 30

Ser Val Val Xaa Leu Lys Arg Tyr Met His Phe Tyr Gly Ile Lys Ile
35 40 45

Ser Lys Lys Lys Met Gly Ala Xaa His Ala
50 55

<210> 7884
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7884
Thr Ala Ala Ala Pro Leu Pro Ala Tyr Pro Ser Cys Ala Ala Pro Glu
1 5 10 15

Pro Gly Lys Glu Ala Ala Met Gln Gly Ser Thr Gly Xaa Gln Glu Thr
20 25 30

His Leu Arg Leu Ser Pro Ser Pro Xaa Pro Thr Trp Gly Val Tyr Tyr
35 40 45

Leu Gly Thr Pro Leu Ala His Ala Xaa Ser Leu Gln Asn Asn Xaa Asn
50 55 60

Cys Phe Phe Phe Leu Val Gln Asn Lys Thr Ser Val
65 70 75

<210> 7885
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7885
Met Gly Ala Gly Gln Val Pro Val Asp Leu Thr Arg Gly Pro Glu Gln
1 5 10 15

Tyr Gly Lys Gly Xaa Xaa Glu Xaa Xaa Xaa Pro Pro Xaa Xaa Ile Xaa
20 25 30

Xaa Val Xaa Xaa Xaa Phe Arg Xaa Xaa Pro Asn Leu Val Xaa Val Xaa
35 40 45

Xaa Xaa Arg Xaa Lys Gly Phe Xaa Lys Phe Lys Arg Val Ser Xaa Xaa

50 55 60

Lys
65

<210> 7886
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7886
Asn Ser Ala Glu Xaa Cys Arg Ala Leu Pro Thr Cys Val Cys Arg Ile
1 5 10 15

Arg Ser Lys Ser Pro Ala Trp Pro Gln Ser Trp Pro Ile Ser Arg Gly
20 25 30

Met Ala Lys Pro Arg Cys Ala Gly His Ser His Leu Ile Phe Val Thr
35 40 45

Val Ala Gly Ser Cys Ser Asp Pro Pro Trp Ser Glu Xaa Pro Gly Ile
50 55 60

Asp Trp Gly Gln Met Met Pro Val Phe Ile Glu Gln Lys Tyr Trp Phe
65 70 75 80

<210> 7887
<211> 96
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7887

Ile Arg Xaa Arg Xaa Gln Arg Gly Leu Arg Ala Pro Ala Leu Gly Val
1 5 10 15

Gly Pro Asn Gly Ala Gly Lys Xaa Pro Ser Thr Gly Pro Glu Gly Val
20 25 30

Met Glu Ala Ala Ser Met Gly Cys Pro Cys Ala Glu Gly Cys Ser Arg
35 40 45

Ala Cys Gly His Lys Glu Gly Gly Thr Arg Arg Asn Pro Trp Ala Gly
50 55 60

Thr Ser Gly Val Trp Thr Gly Gly Leu His His Arg Lys Xaa Asn Leu
65 70 75 80

Cys Val Cys Val Xaa Cys Leu Arg Thr His Gly Cys Xaa Cys Val Gln
85 90 95

<210> 7888
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7888
Lys Ala Ile Phe Ala Leu Phe Leu Xaa Arg Leu Leu Ala Arg Arg Ser
1 5 10 15

Xaa Leu Arg Arg Gly Leu Xaa Pro Pro Xaa Xaa Leu Xaa Xaa Ala Leu
20 25 30

Ser Pro Glu Ser Leu Asn Ser Xaa Phe Leu Phe Asn Pro Leu His Xaa
35 40 45

Xaa Thr Gly Val Pro Xaa His Val Arg Arg Xaa Xaa Arg His Gln Leu
50 55 60

Pro Lys Xaa Pro Xaa Arg Thr
65 70

<210> 7889
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7889

Gly Ser Thr Ile Thr Arg Cys Thr Ala Glu Ala Gln Gly Leu Leu Arg
1 5 10 15

Thr Pro Ala Arg Pro Gln Arg Ser Pro Ser Xaa Pro Leu Asp Pro Ala
20 25 30

Leu Ser Cys Gln Gly Val Leu Gly Gly Arg Phe Ser Leu Val Gln Thr
35 40 45

Trp Leu Pro Val Xaa Pro Leu Ala Ala Gln Gly Arg Leu His Arg Ser
50 55 60

Ala Glu Trp Leu Gln Gly Arg Xaa Leu Asn Arg Arg Pro Met Gly Asp
65 70 75 80

Gly Glu Glu Met Val Ser Ser Thr Thr Xaa Leu Thr Asp Gly Gly Ala
85 90 95

Glu Xaa Ser Gly Ser Pro Gly Gly Leu Gly Xaa Thr Thr Arg Phe

100 105 110

<210> 7890
<211> 159
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7890

```
Ile Arg Gln Ser Xaa Pro Thr Arg Arg Arg Xaa Gly Trp Pro Leu Gly
  1               5                  10                  15

Leu His Pro Gly Pro Asp His Leu Leu Glu Gly Pro Gly Gly Ala Met
             20                  25                  30

Pro Pro Arg Thr Gly Arg His Ser Leu Ser Gly Ala Gly Pro Glu Ser
         35                  40                  45

Ala Ser Xaa Trp Trp Gly Glu Lys Ala Leu Xaa Pro Leu Ser Glu Leu
     50                  55                  60

Val Glu Gly Lys Ile Val Cys Glu Arg Cys Cys Leu Pro Ser His Leu
 65                  70                  75                  80

Leu Thr Glu Lys Pro Arg Met Val Glu Trp Asn Glu Ala Val Xaa Pro
                 85                  90                  95
```

Met Pro Val Pro Pro Gly Gln Pro Ser Xaa Cys Xaa Trp Thr Arg Gly
100 105 110

Xaa Xaa Leu Xaa Val Pro Trp Leu Trp Val Xaa Arg Ile Cys Ile Arg
115 120 125

Ser Ile Arg Ala Leu Glu Asp Phe Xaa Phe Trp Xaa Lys Lys Lys Lys
130 135 140

Lys Phe Gly Gly Ala Xaa Thr Ile Gly Leu Arg Gly Val Xaa Asn
145 150 155

<210> 7891
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7891
Phe Gly Xaa Ser Ser Ile Lys Val Arg Gln Pro Lys Lys Lys Lys Lys
1 5 10 15

Lys Xaa Xaa Gly Gly Gly Pro Val Pro His Leu Xaa
20 25

<210> 7892
<211> 141

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7892
Glu Leu Val Asp Pro Pro Gly Cys Arg Glu Phe Gly Xaa Gly Ser Cys
1 5 10 15

Leu Gly Leu Ser His Ala Ile Leu Val Ser Ser Phe Gly Thr Arg Glu
20 25 30

Gly Tyr Ser Gly Val Gly Leu Thr Phe Pro Pro Val Pro His Xaa Lys
35 40 45

Val Ser Tyr Gly His Arg Arg Xaa Arg Xaa His Xaa Ser Arg Glu Gly
50 55 60

Arg Gly Xaa Leu Trp Leu Xaa Phe Glu Leu Arg Leu Cys Leu Val Asn
65 70 75 80

Asn Xaa Xaa Asp Leu Asn Xaa Arg Ser Glu Val Xaa Gly Asn Xaa Leu
85 90 95

Xaa Val Thr Gly Xaa Xaa Leu Gly Xaa Xaa Xaa Pro Phe Xaa Xaa Xaa
100 105 110

Phe Pro Xaa Lys Gly Xaa Leu Val Phe Pro Arg Lys Xaa Pro Xaa Xaa
115 120 125

Xaa Leu Xaa Xaa Gly Xaa Xaa Pro Xaa Asn Gly Gly Ala
130 135 140

<210> 7893
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7893

```
Tyr Gly Xaa Xaa Glu Ile Val Glu Leu Lys Xaa Lys Phe Ser Leu Glu
  1               5                  10                  15

Val Thr Glu Gly Ala Lys Ser Val Xaa Ile Xaa Lys Tyr Xaa Xaa Val
             20                  25                  30

Val Ile Arg Ser Xaa Xaa Ser Leu Gly
         35                  40
```

<210> 7894
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7894

```
Leu Ala Thr Ser Cys Phe Lys Gln Leu Asp Cys Ala Phe Tyr Phe Phe
  1               5                  10                  15

Ser Ser Tyr Xaa Ile Leu Trp Glu Ala Pro Pro Cys Ala Thr Val Ile
             20                  25                  30

Ser Pro Gly Cys His Leu Xaa Trp Phe Pro Gly Arg Asp Val Xaa Cys
         35                  40                  45

Ser Val Val Cys Gly Val Pro Ser Asp Phe Leu Val His Ile Ala Arg
     50                  55                  60

Trp Ser Gly Val Trp Gly Thr Arg Thr Gly Trp Xaa Gly Leu Ser Leu
 65                  70                  75                  80

Gly Leu Pro Pro Xaa Lys Ala Gly Ala Gln Xaa Xaa Xaa Lys Cys Xaa
                 85                  90                  95

Leu Pro Xaa Xaa Xaa Pro Asn Xaa Asp Arg Xaa Xaa Ser Xaa Xaa Xaa
            100                 105                 110

Xaa Leu Xaa Leu Leu Glu Xaa Xaa Leu Xaa Ser Ile Arg Leu Leu Gly
        115                 120                 125

Xaa Gly
    130
```

<210> 7895
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7895
Gly Trp Gln Gly Gly Ala Gly Arg Val Ala Ile Ser Lys Ala Thr Xaa
1 5 10 15

Leu His Trp Pro Xaa Leu Xaa Ser Pro Arg Glu Gly Pro Gly Asp Asp
20 25 30

Thr Xaa Trp Gly Leu Xaa Lys Xaa Ser Gly Ile Ile Tyr Gly Xaa Ser
35 40 45

Xaa Asp Ser Gln Gly Xaa Val Leu Gly Xaa Leu Xaa Xaa Trp Xaa Xaa
50 55 60

Xaa Thr Xaa Xaa Xaa Gly Pro Xaa Xaa Xaa Xaa Xaa Met Xaa Xaa Arg
65 70 75 80

Xaa Xaa Xaa Gly Ser Xaa Leu Xaa Met Pro Ser Xaa Leu Gly Val Leu
85 90 95

Xaa Arg Lys

<210> 7896
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7896
Val Tyr Ile Pro Leu Ser Trp Pro Leu Xaa Leu Xaa Trp Thr Lys Arg
1 5 10 15

Xaa Gly Thr Lys Ser Asp Leu Xaa Tyr Gly Ser Ile Trp Ile Lys Thr
20 25 30

Asn Gln Gln Val Leu Pro Ser Ser Arg Trp Gly Ser Gln Leu Xaa Ser
35 40 45

Xaa Pro Gln Leu Xaa Phe Leu Gln Gly Ser Gln Leu Arg Thr Asn
50 55 60

<210> 7897
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7897
Met Ser Arg Thr Leu Thr Asn Gln Ser Phe Leu Leu Leu Trp Lys Gly
1 5 10 15

Ala Asn Lys Ala Met Gly Met Lys Ser Cys Met Cys Phe Ala Gln Cys
20 25 30

Gly Ala Ser Tyr Leu Cys Gly Arg Gly Gly Ile Gly Lys Asn Phe Ser
35 40 45

Gly Glu Gln Xaa Lys Lys Lys Lys Gly Arg Gly Gly Gly Gly
50 55 60

<210> 7898
<211> 75
<212> PRT
<213> Homo sapiens

<400> 7898
Val Pro Met Leu Arg Leu Ser Ser Arg Pro Glu Glu Val Thr Asp Trp
1 5 10 15

Leu Gln Ala Glu Asn Phe Ser Thr Ala Thr Val Leu Asp Thr Trp Val
20 25 30

Pro Asp Gly Glu Pro Ala Tyr Phe Gly Ile Lys Thr Trp Gly Ala Thr
35 40 45

Asp Ala Tyr Val His Arg Arg Ala Pro Arg Asn Pro Val Pro Ala Gly
50 55 60

Gly Cys Ser Glu Gly Cys Trp Gly Ile Ser Pro
65 70 75

<210> 7899
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7899
Ser Gly Pro Pro Ile Leu Pro Arg Lys Val Asp Thr Xaa Ala Phe Lys
1 5 10 15

Thr Xaa Gln Xaa Val Xaa Ser Pro Phe Phe Xaa Xaa Xaa Ser Pro Ser
20 25 30

Ser Pro Xaa His Xaa Ser Gln Xaa Ser Xaa Leu Xaa Xaa Gln Leu Leu
35 40 45

Leu Xaa Ser Pro Thr Val Val Asn Cys Xaa Xaa Val Ser Pro Ser Xaa
50 55 60

Lys Ile Met Ser Ile Leu Gln Gly Leu Pro Gln Ile Leu Gly Asn Leu
65 70 75 80

Val Xaa Xaa Leu Gln Pro Gly Ala Val Val Arg Leu Xaa Xaa Leu Thr
85 90 95

His Trp Gly Xaa
100

<210> 7900
<211> 140
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ 0122920A2 I >

<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7900

Glu Leu Gly Pro Ala Pro Ala Gly Thr Gln Ser Arg Tyr Gly Glu Gly
1 5 10 15

Xaa Xaa Thr Asp Pro Ile Xaa Xaa Arg Lys Arg Thr Xaa Ala Asp Lys
20 25 30

Glu Gly Pro Trp Xaa Pro Cys Pro Xaa Lys Asp Pro Leu Xaa Ala Gly
35 40 45

Leu Xaa Gly Ser Trp Pro Ser Gly Thr Xaa Xaa Gly Tyr Arg Leu Xaa
50 55 60

Tyr Arg Phe Arg Pro Xaa Pro Xaa Arg Ser Pro Xaa Xaa Pro Phe Arg
65 70 75 80

Leu Glu Gln Arg Gly Xaa Lys Gly Gly Gln Xaa Gly Gly Lys Leu Arg
85 90 95

BNSDOCID: <WO . .0122920A2 I >

```
Xaa Xaa Ser Gly Pro Xaa Leu Gly Xaa Lys Leu Thr Thr Xaa Leu Xaa
            100                 105                 110

Phe Lys Arg Xaa Xaa Xaa Ile Pro Xaa Gly Asn Xaa Val Xaa Phe Pro
        115                 120                 125

Xaa Cys Ser Lys Thr Asn Leu Phe Phe Ile Tyr Phe
    130                 135                 140
```

<210> 7901
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7901
Ala Cys Xaa Ile Ile Leu Gly Xaa Ser Xaa Gly Thr Ala Trp Lys Lys
1 5 10 15

Ile Arg Phe Pro Tyr Arg Ile Gly Pro Lys Arg Lys Leu Ile Leu Val
20 25 30

Lys Phe Leu Xaa Leu Gly Xaa Ala Asp Ile Asn Pro His Leu Gly Cys
35 40 45

Phe Ile Lys Leu Trp Leu Gln Gln Xaa Gly Leu Glu Phe Val Thr Val
50 55 60

Xaa Val Pro Phe Gly Asn Phe Trp Ser Leu Phe Xaa Ser Val Asp Asn
65 70 75 80

Ser Xaa Trp Xaa Ser
85

<210> 7902
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7902
Xaa His Leu Phe Ser His Ser Met Asp Val Gln Leu Leu Ser Ser Xaa
1 5 10 15

Gly Gln Ile Xaa Gly Ala Lys Leu Leu Ala Xaa Tyr Val Lys Leu Xaa
20 25 30

His Xaa Xaa Ile Ser Xaa Asn Xaa Ser Pro Xaa Phe Val Xaa
35 40 45

<210> 7903
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO___0122920A2_I_>

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7903

```
His Leu Glu Thr Leu Ser Xaa Ser Xaa Leu Arg Val Xaa Glu Tyr Ala
 1               5                  10                  15

Leu Arg Thr Leu Tyr Pro Ser Gly Leu Gln Glu Lys Xaa Arg Xaa Leu
            20                  25                  30

Pro Gly His Glu Gly Ser Xaa Leu Ser Arg Xaa Xaa Phe Xaa Xaa Xaa
        35                  40                  45

Gln Val Lys Xaa Gln Val Val Ala Ser Asn Ser Leu Leu Leu Xaa Gln
    50                  55                  60

Val Ala Val Ala Asn Ser Phe Ser Xaa Xaa Phe Leu Xaa Pro Xaa Xaa
65                  70                  75                  80

Ser
```

<210> 7904
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO___0122920A2 I_>

<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7904
Gly Gly Lys Glu Gly Glu Tyr Thr Leu Leu Val Asn Ser Gly Tyr Ser
1 5 10 15

Cys Ile Leu Ser Cys Leu Asp Ser Thr Gly Gly Phe Leu Ser Phe Phe
20 25 30

Glu Ser Leu Leu Thr Leu Gly Met Arg Asp Arg Asn Arg Val Arg Glu
35 40 45

Glu Val Xaa Phe Lys Cys Xaa Phe Phe Pro Xaa Xaa Thr Xaa Thr Gln
50 55 60

Pro Tyr Phe Trp Asp Xaa Xaa Ile Pro Thr Phe Pro Leu Asp Leu Xaa
65 70 75 80

Pro Lys Ile Xaa Gly Gly Thr Pro Xaa Asn Leu Xaa Pro
85 90

<210> 7905

BNSDOCID: <WO_ 0122920A2 I >

<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7905
Met Leu Leu Gln Ala Ala Lys Ala His Ala Cys Cys Trp Xaa Ser Leu
1 5 10 15

Cys Xaa Xaa Xaa Asp Leu Gly Ala Gly Ala Leu Asn Ala Gly Ser Tyr
20 25 30

Ala Ser Leu Gly Lys Arg Thr Asp Tyr Gly Lys Leu Tyr His Val Leu
35 40 45

Ser Leu Ile Ser Val Lys Thr Ser Ser Tyr Thr Leu Ile Ile Ser Ile
50 55 60

His Xaa Xaa Asn Xaa Arg Leu Val Pro Xaa Gly Leu Lys Lys Ile Leu
65 70 75 80

Xaa Leu Gly Xaa Gln Asn Phe Trp Gly Xaa Phe
85 90

<210> 7906
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7906
Phe Leu Thr Ser Asp Val Ile Ile Tyr Leu Pro Ala Leu Ile Leu Gly
1 5 10 15

Val Gln Thr Ala Asn Leu Xaa Phe Xaa Phe Gln Ala Leu Xaa Arg Leu
20 25 30

Gly Xaa Ser Phe His Leu Xaa Phe Arg Arg Thr Gly Xaa Xaa Pro Ala
35 40 45

Val Xaa Xaa Xaa Xaa Xaa Gly Ser Arg Val Pro Ala Ser Val Xaa Xaa
50 55 60

Pro Ile Xaa Xaa Phe Arg Xaa Arg Thr Val Xaa Ser Trp Gly Phe Gly
65 70 75 80

Xaa Gly Arg Val Ser Trp Xaa Phe Gln Arg Xaa Xaa Xaa Gly Gly Xaa
85 90 95

Xaa

<210> 7907
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7907

```
Thr Ser Xaa Xaa Ser Leu Xaa Trp Arg Xaa Gly Cys Phe Ser Leu Cys
  1               5                  10                  15

Thr Lys Arg Arg Xaa Xaa Gly Xaa Gly Val Asn Val Asn Phe Ser Thr
             20                  25                  30

Leu Cys Leu Asn Val Tyr His Leu Thr Asn Ile Ile Lys Glu Thr Xaa
         35                  40                  45

Leu Lys Leu Glu Phe Pro Lys His Tyr Ser Gly Cys Xaa
     50                  55                  60
```

<210> 7908
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7908
Ile Arg His Xaa Xaa Ser Arg Lys Xaa Leu Xaa Pro Arg Lys Ser Arg
1 5 10 15

Cys Cys Pro

<210> 7909
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7909
Ser Gln Leu Leu Ser Leu Leu Ser Xaa Xaa Asp Gly His Leu Xaa Xaa
1 5 10 15

His Thr Thr Ala Asn Trp Leu Gly Val Val Gly Leu Ser Asn Asp Tyr
20 25 30

Leu Leu Met Ile Thr Tyr Glu Lys Gln Gln Gln Lys Ser His Leu Glu
35 40 45

Ala Ala Phe Asn Glu Arg Thr Asn Val Leu Pro Ser Asn Arg Ala Ala
50 55 60

Lys Ile Phe Leu Leu Leu Xaa Phe
65 70

<210> 7910
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7910
Phe Gly Xaa Gly Ile His Glu Val Gly Gln Gly Tyr Thr Asn Ala Lys
1 5 10 15

Leu Ser Cys Met Phe Phe Asn Arg Asn Cys Gly Thr Ser Xaa Ile Tyr
20 25 30

Leu Ile Asn Gly Asn Leu Leu Arg Glu Cys Phe Gly Asp Thr Trp Ala
35 40 45

Val Ser Ser Leu Cys Val Leu Gln Arg Phe Cys Leu Cys Asn Leu Phe
50 55 60

Ile His Leu Val Ile Arg
65 70

<210> 7911
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7911
Ser Xaa Asn Leu Xaa Gly Phe Phe Xaa Phe Gly Gln Lys Ile Ile Lys
1 5 10 15

Xaa Phe Phe Phe Xaa Lys Lys Lys Lys Lys Asn Xaa Gly Gly Gly Xaa
20 25 30

Arg Xaa Pro Phe Gly Pro Xaa Gly Gly
35 40

<210> 7912
<211> 81
<212> PRT
<213> Homo sapiens

<400> 7912
Pro Asn Gly Leu Gly His Gln Ile Leu Ser His Ser Val His Glu Ser
1 5 10 15

Ser Ser Pro His Thr Ile Ile His Ile Tyr Ser Pro Asn Ser Asn Thr
20 25 30

Gly Glu Ser Leu Glu His Pro Val Leu Ala Leu Trp Glu Arg Gly Arg
35 40 45

Trp Arg Ser Gly Cys Met Tyr Leu Asn Asn Thr Asp Pro Val Leu Ser
50 55 60

Pro Ser Ala Gly Ile Ser Pro Cys Glu Gly Ala Ala Gly His Pro Gly
65 70 75 80

Ile

<210> 7913
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7913

```
Asn Ser Thr Arg Gly Asp Phe Tyr Asn Pro Val Val Pro Glu Val Gln
  1               5                  10                  15

Lys Arg Arg Met Gly Ala Xaa Pro Val Arg Gly Leu Gly Gly Xaa Gly
             20                  25                  30

Ala Ala Ala Ala Gly Gly Arg Ala Ala Leu Leu Leu Val Ser Pro Thr
         35                  40                  45

Xaa Arg Arg Ser Thr Arg Pro Pro Arg Ser Ser Thr Pro Arg Arg Xaa
     50                  55                  60

His Arg Pro Xaa Lys Pro Ala Xaa Ala Gln Leu Arg Pro Gln Asp Tyr
 65                  70                  75                  80
```

Val Xaa Arg Asp Arg Xaa Lys Val Asp Xaa Thr Thr Xaa Thr Xaa Ser
85 90 95

Xaa Asn Xaa Xaa Xaa Ile Gly Xaa Xaa Xaa Gly Xaa Xaa Xaa Ser Phe
100 105 110

Xaa Xaa Xaa Lys Xaa Xaa Xaa Trp Leu Xaa Lys Ser Ile Phe
115 120 125

<210> 7914
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7914
Ser Gly Lys His Cys Ile Met Phe Ala Leu Tyr Ser Phe Asn Gly Lys
1 5 10 15

Arg Lys Gly Lys Asn Thr Tyr Glu Lys Lys Ala Val Pro Trp His Cys
20 25 30

Leu Phe Ser Met Leu Cys Ala Val Asp Trp Gly His Phe Asn Tyr His
35 40 45

Val Gln Phe Tyr Gly Leu Phe Met Arg Ser Phe Phe Leu Thr Phe Ser
50 55 60

Trp Ile Ala Val Lys Gly Lys Tyr Arg Arg Ile Glu Glu Xaa Phe Ser
65 70 75 80

Xaa Arg Trp Ala Gly Thr Val Pro Pro Trp Ser Met Gly
85 90

<210> 7915
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7915
Phe Gly Arg Glu Ala Thr Arg Thr Cys Gln Xaa Trp Xaa Leu Val Ile
1 5 10 15

Ser Glu Gly Glu Arg Gly Lys Ser Arg Arg Ala Gly Trp Pro Gly Ala
20 25 30

Ser Gly Gln Arg Gly Gln Xaa Phe Arg Val Lys Val Phe Arg Met Arg
35 40 45

Ala Arg Thr Arg Ser Xaa Leu Arg Val Gly Leu Leu Arg Trp Asn Gly
50 55 60

Ala Glu Gly His Gly Leu Thr Gly Glu Glu Thr
65 70 75

<210> 7916
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7916

Leu Cys Xaa Val Gly Gly Arg Gly Gly Trp Arg Lys Lys Trp Ser Glu
1 5 10 15

Leu Leu Gly Xaa Arg Ala Lys Gly Pro Glu Xaa Ile Glu Ile Pro Pro
20 25 30

Ser Trp Asn Ala Gly Ile Trp Pro Arg Met Xaa Phe Gly Gln Arg Gly
35 40 45

Glu Glu Glu Glu Val Ser Pro Asp Ile Pro Ser Leu Ser Ile His Leu
50 55 60

Leu Thr Xaa Lys Leu Phe Thr Xaa Xaa Tyr Xaa Ala Leu Xaa Asn Phe
65 70 75 80

Ser Gln Xaa Pro Phe Xaa Val Thr Phe Arg Xaa Phe Tyr Pro Pro Phe
85 90 95

BNSDOCID: <WO 0122920A2 I >

Asn Leu Xaa Xaa Phe Xaa Xaa Phe Leu Xaa Phe Lys Xaa
100 105

<210> 7917
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7917

Leu Ser Thr Ala Glu Asp Gln Gly Gly Arg Asn Ser Ser Leu Lys Val
1 5 10 15

Ala Leu Ser Gly Pro Trp Pro Gly Arg Pro Xaa Ala Phe Leu Val Gly
20 25 30

Thr Thr Arg Gly Gln Xaa His Met Val Leu Pro Phe His Leu Cys Trp
35 40 45

Pro Pro Pro Gly Gly Ile Xaa Pro Leu Thr Pro Met Leu Glu Gly Gly
50 55 60

Ser Val Asn Gly Arg Gly Thr Leu Xaa Ile Xaa Xaa Leu Lys Gly Xaa
65 70 75 80

Leu Gly Lys Val Xaa Arg Asn
85

<210> 7918
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO 0122920A2 I >

<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7918
Cys Trp Ser Leu Cys Ala Leu Trp Leu Leu Asn Xaa Xaa Xaa Ala Xaa
1 5 10 15

Ser Trp His His Ile Leu Xaa Thr Cys Phe Leu Gly Lys Phe Pro Trp
20 25 30

Lys Asn Asp Cys Xaa Val Lys
35

<210> 7919
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7919
Val Lys Leu His Glu Lys Leu Asn Met Leu Pro Leu Phe Phe Thr Leu
1 5 10 15

Cys Arg Gly Leu Thr Leu Phe Ser Ile Leu Ala Cys Gly Lys Leu Ser
20 25 30

Leu Thr Tyr Asp Leu Xaa Ile His Ser Asn Lys Val Thr Ser Gln Met
35 40 45

Cys Leu
50

<210> 7920
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7920
Glu Val Ser Ile Ser Val Leu Pro Glu Phe Phe Pro Ser Ser Glu Asp
1 5 10 15

Val Thr Asp Xaa Leu Leu Glu Leu Xaa Met Arg Xaa Lys Glu Trp Xaa
20 25 30

Leu Lys Ala Phe Gly Leu Lys Xaa Val Xaa Asn Lys Ile Val Ser Gly
35 40 45

Phe Tyr Ser Lys Lys Lys Lys Lys Ile Trp Gly Gly Gly Pro
50 55 60

<210> 7921
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

MISSING AT THE TIME OF PUBLICATION

BNSDOCID: <WO 0122920A2 I >

<210> 7923
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7923
Cys Gln Glu Cys Arg Leu Val Tyr Val Pro Gly Gly Gly Thr Gln Arg
1 5 10 15

Gly Ala Pro Gly Phe Pro Cys Pro Pro Ala Ala Leu Pro Leu Phe Pro
20 25 30

Phe Phe Pro Asp Xaa Arg Pro Glu Pro Val Pro Xaa Leu Xaa Ile Asn
35 40 45

Leu Cys Glu Ile Lys Lys Lys Lys Lys Lys Asn Ser Gly Gly Gly Pro
50 55 60

Val Pro Xaa Trp Ala Leu
65 70

<210> 7924
<211> 145
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

BNSDOCID: <WO _0122920A2_I_>

<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7924
Xaa Pro Thr Leu Tyr Thr Ala Ala Cys Arg His Gly Pro Ala Phe Pro
1 5 10 15

Xaa Ser Tyr Val Pro Pro Arg Arg Cys Thr Cys Arg Thr Leu Ile Arg
20 25 30

Xaa Asp Trp Xaa Ser Phe Trp Xaa Leu Phe Xaa Xaa Trp Val Cys Xaa
35 40 45

Xaa Cys Xaa Val Leu Val Phe Cys Xaa Ser Leu Xaa Cys Xaa Leu His
50 55 60

His Asn Ala Asn Leu Xaa Xaa Leu Gln Ile Ser Met Lys Pro Ala His
65 70 75 80

Ser Ala Val Cys Pro Gly His Leu Ala Ser Cys Arg Thr Lys Arg Xaa
85 90 95

Cys Thr Pro Leu Arg Ala His Val Val Gly Ala Leu Pro Trp Gln Val
100 105 110

Xaa Leu Cys Ser Glu Ala Ile Ser Gly Thr Gly Pro Thr Arg Pro Gln
115 120 125

Pro Ser Arg Thr Gly Leu Thr Leu Leu Xaa His Pro Gly Cys Xaa Ser
130 135 140

Val
145

<210> 7925
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7925
Met Xaa Leu Ser Ile Thr Lys Ile Thr Gly Tyr Tyr Leu Gln Asp Ile
1 5 10 15

Lys Lys His Leu Lys Lys Arg Lys Arg Thr Ile Ser Val
20 25

<210> 7926
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7926
Asp Ile Lys Ile Tyr Ile Asp Tyr Ile Leu Lys Leu Leu Asn Ala Leu
1 5 10 15

Ile Leu Ala Thr Xaa Xaa Glu Ile Val Asn Ser Phe Thr Glu Ile Asn
20 25 30

Ser Thr Asp Arg Cys Arg Xaa Arg Ser Xaa Gly Ser Arg Xaa Val Phe
35 40 45

Ala Leu His Thr Glu Trp Xaa
50 55

<210> 7927
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7927
Ala Arg Gly Glu Ala Ser Xaa Pro Ala Leu Gln Val Arg Gly Trp Arg
1 5 10 15

Arg Pro Gly Phe Leu Pro Pro Gly Asp Gly Thr Gly Pro Gly Pro Ala

20 25 30

Pro Arg Val Ala Pro Gly Gly Pro Xaa Pro Pro Xaa Glu Ser Trp Pro
35 40 45

Pro Arg Ala Xaa Thr Xaa Pro Ala Gly Arg Ser Leu Asp Thr Pro Xaa
50 55 60

Ala Pro Gln Ser Pro Ala Ala Ala Pro Pro Gly Met Ala Gln Gly Pro
65 70 75 80

Xaa Leu Xaa Tyr Gly Gln Gln His Gly Asp Lys Xaa Gly Ser Tyr Leu
85 90 95

Met Leu Gly Gly Xaa Lys Val Asp Gly
100 105

<210> 7928
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7928
Ala Glu Val Gln Met Thr Thr Phe Lys Glu Glu Pro Ser Ala Pro Ala
1 5 10 15

Xaa Gln Asp Glu Lys Leu Ser His Leu Ala Leu Ile Leu Pro Gln Glu
20 25 30

Leu Xaa Gln Asp Gln Val Xaa Thr Gly Ser Ala Thr Leu Gln Lys Met
35 40 45

Ser Ser
50

<210> 7929
<211> 46
<212> PRT
<213> Homo sapiens

<400> 7929
Gln Tyr His Ser Asn Ile Ile Trp Ile Arg Ala Phe Ile Leu Gly Arg
1 5 10 15

Lys Thr Val Val Ile Thr Gly Ile Leu Leu Asn Leu Lys Leu Cys Arg
20 25 30

Lys Gln Thr Lys Leu Phe Leu Gly Glu Asn Gln Leu Leu Asp
35 40 45

<210> 7930
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7930
Pro Ala Arg Lys Ala Gln Ser Ile Leu His Ser Xaa Cys Phe Pro Val
1 5 10 15

Leu Xaa Leu Xaa Xaa Arg Xaa Met Gly Val Pro Xaa Lys Thr Phe Ala
20 25 30

Val Xaa Pro Xaa Phe Xaa Xaa Xaa Phe Xaa Xaa Lys Phe Asp Arg Leu
35 40 45

Asn Tyr Cys Xaa His Ser Leu Phe Leu Gly Leu Xaa Xaa Xaa Xaa Gly
50 55 60

Asn Xaa Xaa Arg Ala Asp Ala Xaa Leu Phe
65 70

<210> 7931
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7931

```
Arg Ile Lys Asp Gly Ser Asp Tyr Leu Lys Arg Asn Leu Ile Ile Ser
  1               5                  10                  15

His Asn Gly Asn Arg Lys Lys Lys Thr His Asn Thr Phe Xaa Arg Ser
             20                  25                  30

Gly Lys Thr Lys Glu Ser Arg Phe Arg Leu Pro Lys Glu Gly Pro Leu
         35                  40                  45

Arg Ser Tyr Leu His Glu Ala Xaa Arg Leu Val Pro Glu Arg Thr Ser
     50                  55                  60

Val Gln Val Trp Glu Phe Pro Trp Glu Leu Ala Pro Ser His Ser Pro
 65                  70                  75                  80

Pro Gln Leu Arg Ser Leu Xaa Gly Leu Pro Leu Leu Gly Ser Ile Ile
                 85                  90                  95

Leu Asp Lys Pro His Cys Xaa Glu Asn Pro Trp Gly Asp Thr Gly Leu
            100                 105                 110

Ala Phe Pro Ala Glu Gly Gln Cys Leu Lys Arg Asn Trp Gly Ser Pro
        115                 120                 125

Arg Asp Gln Ile Arg Leu Arg Trp
    130                 135
```

<210> 7932

BNSDOCID: <WO___0122920A2 I. >

<211> 150
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (148)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7932
Arg His Leu Thr Arg Arg Cys Gly Leu Leu His Ala Xaa Val Arg Arg

```
  1               5                  10                  15

Pro Leu Tyr Gly Phe Ser Ile Leu Val Glu Ile Leu Ser Pro Trp Pro
             20                  25                  30

Phe Gly Val Pro Cys Cys Ile Ser Glu Val Asn Phe Asn Tyr Ser Thr
         35                  40                  45

Phe His Gln Cys Trp Ser Gly Lys Lys Lys Glu Glu Gln Ile Trp Gly
     50                  55                  60

Glu Lys Phe Cys Phe Leu Gly Leu Thr Asn Cys Lys Met Xaa Lys Ile
 65                  70                  75                  80

Ala Xaa Met Gly Glu Lys Lys Thr Arg Ala Leu Trp Thr Phe Ala Lys
                 85                  90                  95

Xaa Phe Ser Arg Ile Thr Cys Phe Ser Xaa Pro His Xaa Val Thr Leu
            100                 105                 110

Ile Ser Gly Ser Ser Tyr Val Gly Asp Lys Arg Ser Thr Gly Ser Ser
        115                 120                 125

Gly Met Leu Glu Gln Met Val Asp Gln Asn Gly Leu Xaa His Xaa Ser
    130                 135                 140

Val Glu Val Xaa Leu Asp
145                 150
```

<210> 7933
<211> 117
<212> PRT
<213> Homo sapiens

<400> 7933

```
Asn Trp Val Glu Asp Ser Ser Cys Cys Leu Asn Asn Ala Leu Thr Pro
  1               5                  10                  15

Phe Ser Pro Gln Lys Gly Pro Thr Phe Leu Lys Leu Phe Ser Ala Pro
             20                  25                  30

Pro His Leu Leu Thr Cys Asn Thr Cys His Asn Arg Lys Pro Val Ser
         35                  40                  45

Tyr Thr Val Ile Pro Lys His Ile Ala Pro Thr Arg Gly Glu Arg Glu
     50                  55                  60

Gly Leu Ser Glu Glu Arg Gly Gly Gln Ala Phe Gln Lys Leu Glu Gly
 65                  70                  75                  80
```

BNSDOCID: <WO___0122920A2_I_>

```
Leu Ser Thr Glu Pro Leu Pro Arg Trp Gly Val Pro Thr Pro Lys Pro
                 85                  90                  95

Arg Ile Gln Lys Pro Glu Ser Thr Ser Arg His Ser Trp Phe Pro Phe
            100                 105                 110

Ser Cys Ser Cys Trp
        115
```

<210> 7934
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7934

```
Gly Ala Ser Xaa Val Ala Leu Glu Gly Trp Leu Gly Gln His Gly Pro
  1               5                  10                  15

Val Ala Asn Pro Leu Phe Trp Cys Val Cys Val Cys His Leu Pro Met
             20                  25                  30

Leu Val Ser Ala Pro Arg Arg Thr Trp Arg Gly Pro Gly Arg Lys Cys
         35                  40                  45

Ser Gly Gly Trp Val Ala Gly Pro Asp Gln Ser Ser Val Leu Leu Gly
     50                  55                  60

Asn Trp Cys Trp Arg Ala Arg Ser Glu Glu Ala Glu Gly Val Ala Pro
 65                  70                  75                  80

Gly Tyr Glu Gly Val Ser Gly Cys Ser Ser Cys Ser Leu Gly Cys Xaa
                 85                  90                  95
```

Trp Trp Pro Ser Ala Gly Gly Trp Ser Thr Pro Thr Lys Ala Thr Ser
100 105 110

Xaa

<210> 7935
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7935
Gly Glu Asn Cys Ile Xaa Glu Thr His Asn Val Arg Ile Leu Asp Phe
1 5 10 15

Tyr Xaa Gln Ile Ile Leu Ser Cys Thr Glu Trp Lys Thr Val Tyr Leu
20 25 30

Tyr Ile Asn Xaa Cys Xaa Asp Tyr Glu Ser Phe Asn Pro Tyr Pro Leu
35 40 45

Phe Leu
50

<210> 7936
<211> 49
<212> PRT

<213> Homo sapiens

<400> 7936
Leu Leu His Leu Ile Phe Asn Ile Asp Ile Lys Met Gln Met Asn Gln
1 5 10 15

Ser Phe Cys Asn Glu Asn His Phe Arg Arg Asn Ile Ser Asp Pro Thr
20 25 30

Pro Ser Pro Pro Ala Cys Arg Met Arg Pro Glu Ile Asn Ser Val Ser
35 40 45

Val

<210> 7937
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7937
Arg Ser His Phe Thr Lys Ala Lys Lys His Val Met Ile Tyr Pro Leu
1 5 10 15

Leu Lys Leu Ile Ser Pro Phe Ala Cys Ile Gly His Arg Phe His Gly
20 25 30

Lys Ser Lys Ala Phe Ser Leu Leu Ser Asp Ile Phe Ile Xaa Ser Leu
35 40 45

Asn Tyr Leu Asn Lys Lys Lys Leu Leu Pro Leu Cys Arg Val Lys
50 55 60

<210> 7938
<211> 153
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _0122920A2_I_>

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (148)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7938
Xaa Thr Pro Xaa Ser Gln Xaa Arg Arg Gln Cys Leu Lys Asp Ile Xaa
1 5 10 15

Xaa Phe Leu Leu Leu Cys Asn Val Ile Leu Trp Ile Met Pro Ala Phe
20 25 30

Gly Ala Arg Pro His Phe Ser Asn Thr Val Glu Val Asp Phe Tyr Gly
35 40 45

Tyr Ser Leu Trp Ala Val Ile Ser Xaa His Leu Pro Pro Phe Arg His
50 55 60

Leu Leu Pro His Ala Arg Cys Val Gln Pro Ala Gly Gly Leu Arg Ala
65 70 75 80

Val Leu Arg Pro Pro Thr Glu Ala Trp Gly Ala Gly Arg Gly Gly Ser
85 90 95

Ala His Val Pro Thr Gln Thr Pro Xaa Gly Asn Glu Ser Xaa Leu Val
100 105 110

Pro Tyr Asp Ser Pro Phe Pro Ser Gly Pro Lys Xaa Glu Phe Ser Gln
115 120 125

Lys Leu Phe Phe Gln Val Gln Phe Leu Asn His Ser Gln Asp Xaa Pro
130 135 140

Ile His Pro Xaa Ile Asn Val Gly His
145 150

<210> 7939
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7939
Gly Leu Val Leu Asp Arg Glu Arg Thr Xaa Xaa Xaa Trp Lys Tyr Phe
1 5 10 15

Glu Xaa Val Ser Ala
20

<210> 7940
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7940
Leu Trp Ala Arg Gly Xaa Gly Gly Pro Gly Ala Gly Ala Leu Ser Ser
1 5 10 15

Xaa Leu Xaa Ser Ala Arg Ile Xaa Ile Trp Asn Met Leu Leu Ser Tyr
20 25 30

Leu

BNSDOCID: <WO__0122920A2 I_>

<210> 7941
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7941
Val Ile Asp Thr Leu Ser Asn Pro Gly Ser His Thr Pro Ser Gln Val
1 5 10 15

Phe Pro Arg Glu Gln Gln Gln Ile His Gly Leu Ile Ser Val Leu Val
20 25 30

Ala Leu Cys Ser Ser Ser Gly Leu Glu Asp Arg Tyr Ser Trp Thr Glu
35 40 45

Leu Leu Lys Thr Phe Gln Asn Thr Pro Ser Pro Cys Pro Ala Leu Pro
50 55 60

Leu Gly Ser Thr Gly Thr Pro Val Gly Trp His Asn Ile Val Tyr Pro
65 70 75 80

Cys Arg Ser Arg Ala Gly Ile Phe Thr Ser Val Xaa Lys Gly Leu Cys
85 90 95

Gln Gly Gln Ser Arg Trp Ser Pro Leu Pro Ala Leu Ser His Ile Arg
100 105 110

Val Leu Ala Phe His Cys Asp Val
115 120

<210> 7942
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7942

Xaa Leu Glu His Met Xaa Xaa Xaa Arg Pro Ala Ser Lys Cys Leu Gly
1 5 10 15

Thr Arg Lys Thr Val Thr Ser Gly Thr Leu Phe Lys Cys Leu Leu Phe
20 25 30

Leu Gln His Arg Leu Gly Lys Ser Cys Gln Asp Glu Lys Glu Ser Trp
35 40 45

Arg Phe Phe Lys Ser Leu Phe Ala Leu Leu Tyr Phe Gln Val Pro Lys
50 55 60

Leu Gly Leu Phe Phe Phe Ser Phe Asn Leu Glu Gly Leu Pro Leu Gly
65 70 75 80

Gly Ile Gly Trp Gly Gln Ala Lys Ala Pro Leu Gly Thr Ser Pro Arg
85 90 95

Lys Met Xaa Leu Lys Gly Val Pro Phe Phe Pro Lys Gly Gly Ser Phe
100 105 110

Pro Leu Gly Gly Ser Gln Gly Xaa Xaa Xaa Arg Gly Pro Tyr Phe Pro
115 120 125

<210> 7943
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7943
Ser Thr Xaa Lys Xaa Gly His Ser Val Glu Lys Ile Gly His Ser Cys
1 5 10 15

Thr His Xaa His Xaa His Phe Asp His Val Val Leu Asn Lys Ser Thr
20 25 30

Asp His Asn Glu Thr Leu Arg Xaa Ser Xaa Arg Leu Pro Leu
35 40 45

<210> 7944
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7944
Ile Gly Lys Pro Leu His Thr Cys Val Pro Val Glu His Phe His His
1 5 10 15

Leu Gln Phe Phe Leu Asn Ile Ser Thr Val Leu Asn Thr Cys Glu Gln
20 25 30

Val Thr Trp Glu Phe Xaa His Gly Arg Val Ser Ser Lys Glu Glu Ser
35 40 45

Ser Arg Ser Ser Trp Val Thr His Tyr Gln Leu
50 55

<210> 7945
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7945
Ala Leu Xaa Asp Pro Ser Leu Arg Thr Ile Val Xaa Tyr Trp Tyr Ile
1 5 10 15

Trp Phe Tyr Met Arg Thr Leu Asn Xaa Tyr Tyr Xaa Ala Ser Lys Ile
20 25 30

Tyr Lys

<210> 7946
<211> 31
<212> PRT
<213> Homo sapiens

<400> 7946
Gln Cys Gly Gly Lys Glu Val Arg Pro Gly Met Glu Lys Gly Gly Val
1 5 10 15

Ser Glu Ile Ser Gly Gly Cys Arg Gly Pro Ala Met Leu Lys Val
20 25 30

<210> 7947
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7947
Xaa Xaa Lys Xaa Leu Xaa Arg Thr Gly Ile Ile Lys Thr Val Thr Glu
1 5 10 15

Pro Leu Tyr Glu Val Lys Arg Asn Met Ile Thr
20 25

<210> 7948
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7948
Ser Xaa Tyr Trp Ile Leu Phe Gly Met Ser Ile Lys Val Tyr Xaa Tyr
1 5 10 15

Val Xaa Thr Asp Leu Arg Lys Lys
20

<210> 7949
<211> 34
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7949
Tyr Gln Glu Asp Val Met Ile Asn Xaa Pro Ile Pro Met Pro Cys Asp
1 5 10 15

Tyr Ser Thr Met Thr Asp Tyr Ala Leu Leu Met Xaa Xaa Ala Xaa Ser
20 25 30

Leu Trp

<210> 7950
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7950
Asn Leu His Arg Asn Val Cys Lys Ile Cys Ile Cys Ile Ile Leu Ala
1 5 10 15

Ser Ile Cys Tyr Pro Pro Ser Cys Thr Gln Lys Ser Phe Pro Pro Tyr
20 25 30

Val Ile Ser Asn Xaa Gln Val Gln Ile Lys Ser Ser Cys Lys Leu Trp
35 40 45

Phe Ser Phe Ser
50

<210> 7951
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7951
Gly Glu Arg Phe Cys Leu Tyr Phe Xaa Xaa Ser Ser Xaa Ser Gly Xaa
1 5 10 15

Ile

<210> 7952
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7952
Xaa Cys Arg Glu His Ile Cys Ile Asn Ile Gly Gln Leu Xaa Phe Xaa
1 5 10 15

Trp Arg His Ile
20

<210> 7953
<211> 86
<212> PRT
<213> Homo sapiens

<400> 7953
Ala Glu Leu Ala Leu Ser Phe Phe Cys Ile Arg Leu Ile Tyr Phe Cys
1 5 10 15

Ser Gln Met Trp Ala Asp Ser His His Ser Gly Leu Pro Ser Pro Ala
20 25 30

Val Arg Arg Ser Gly Arg Gln Ser Arg Ser Pro Phe Cys Arg Ile Pro
35 40 45

Ile Asn Ile Ile Glu Asp Gly Cys Ile Phe Lys Ala Lys Ile Asp Cys
50 55 60

Gly Tyr Arg Ser Tyr Gly Val Ile Tyr His Gly Glu Tyr Tyr Leu Asp
65 70 75 80

Leu Gly Cys Thr Arg Leu
85

<210> 7954
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)

BNSDOCID: <WO_ 0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7954
Gly Xaa Ser Lys Gly Arg Ala Ser Ser Ser Gly Asn Gln Glu Ser Ser
1 5 10 15

Gly Gln Ser Cys Ile Ile Leu Leu Phe Asp Val Ile Lys Ser Ala Ile
20 25 30

Arg Tyr Glu Lys Thr Ile Ser Glu Ala Trp Ile Lys Ala Ile Glu Asn
35 40 45

Thr Ala Ser Val Ser Glu His Lys Val Cys Ile Xaa Phe Ile Xaa Ile
50 55 60

Phe Asn Asp Cys Ile Leu Val
65 70

<210> 7955
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO_ _0122920A2 i >

<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7955
Asp Asp Ile Ala Gly Val Asp Lys Thr Ala Cys Xaa Arg Gln Glu Asp
1 5 10 15

Gly Glu Lys Lys Phe Ser Lys Ala Gly Met Gly Lys Cys Xaa Pro Gly
20 25 30

Leu Asn Xaa Lys Gly Leu Tyr Gln Pro Gln Xaa Arg Xaa Trp Thr Leu
35 40 45

Cys

<210> 7956
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7956
Phe Asp Ser Arg Val Glu Pro Val His Ala Val Phe Ile Phe Tyr Leu
1 5 10 15

Arg Ile Val Glu Tyr Val Thr Asn Val Ser Ser Ala Arg Leu Ala Ser
20 25 30

Arg Leu Pro Val Glu Xaa Gln Ile Xaa Gly Met Asn Val Asn
35 40 45

<210> 7957
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7957
Ser Cys Arg Ile Arg His Glu Gly Ser Glu Ala Pro Ala Ser Gly Cys
1 5 10 15

Asn Gly Ala Leu Xaa Asn Asn Gln Arg Glu Ala Xaa Ala Asn Xaa
20 25 30

<210> 7958
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7958
Gly Asn Ser Glu Tyr Leu Gln Leu Ala Ser Val Thr Asp Ser Thr Gln
1 5 10 15

Val Asn Val Pro Arg Cys Leu His Phe Ser Gly Val Gly Lys Val Arg
20 25 30

Gln Ala Ala Cys Gly Gly Thr Gly Cys Ala Val Leu Asn Gly Xaa Gly
35 40 45

His Val Phe Val Trp Gly Tyr Gly Ile Leu Gly Lys Gly Pro Asn Leu
50 55 60

Val Glu Ser Ala Val Pro Glu Met Ile Pro Pro Thr Leu Phe Gly Leu
65 70 75 80

Thr Glu Phe Asn Pro Xaa Ile Gln Val Ser Arg Ile Arg Cys Gly Leu
85 90 95

Ser His Phe Ala Ala Leu Thr Asn Lys Gly Glu Leu Phe Val Trp Gly
100 105 110

Lys Asn Ile Xaa Xaa Val Pro Gly Asn Xaa Phe Ala Leu Lys Asp
115 120 125

<210> 7959
<211> 133
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7959

```
Ala Thr Ser Gln Pro Arg Arg Arg Pro Lys Arg Gly Ala Arg His Gln
  1               5                  10                  15

Ser Pro Arg Cys Leu Ser Pro Gly Gly Ala Pro Glu Arg Phe Leu Ser
             20                  25                  30

Gln Gln Ser His Ser Ala Cys Ala Cys Leu Ser Val Ser Pro Thr Leu
         35                  40                  45

Arg Trp Lys Lys Asn Phe Pro Arg Ala Gly Arg Thr Ala Ala Pro Pro
     50                  55                  60

Leu Ser Asp Ser Gly Ser Phe Gly Cys Ser Xaa Leu Cys Ala Pro Phe
 65                  70                  75                  80

Gln Arg Ile Ile Glu Ile Val Asn Phe Asn Asn Pro Glu Gln Ala Asn
                 85                  90                  95

Glu Ala Leu Leu Ser Arg Pro Glu Leu Lys Leu Pro Arg Ser Val Xaa
            100                 105                 110

Xaa Xaa Glu Arg Cys Leu Leu Gly Leu Gln Xaa Ser Glu Leu Cys Pro
        115                 120                 125

Xaa Gly Ser Glu Gly
    130
```

<210> 7960
<211> 58

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7960
Val Thr Met Ala Xaa Ala Asn Gly Ala Arg Gly Lys Thr Gly Xaa Arg
1 5 10 15

Thr Gly Asn Pro Pro Xaa Leu Pro Xaa Pro Ile Leu Asn Leu Glu Val
20 25 30

Lys Phe Thr Xaa Ile Phe Ile Ile Asn Gly Xaa Ala Arg Xaa Pro Xaa
35 40 45

Leu Gly Lys Lys Phe Ala Thr Xaa Asn Pro
50 55

<210> 7961
<211> 140
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7961
Pro Asp Pro Glu His Arg Pro Asp Ile Phe Gln Val Ser Tyr Phe Ala
1 5 10 15

Phe Lys Phe Ala Lys Lys Asp Cys Pro Val Ser Asn Ile Asn Asn Ser
20 25 30

Ser Ile Pro Ser Ala Leu Pro Glu Pro Met Thr Ala Ser Glu Ala Xaa
35 40 45

Ala Arg Lys Ser Gln Ile Lys Ala Arg Ile Thr Asp Thr Ile Gly Pro
50 55 60

Thr Glu Thr Ser Ile Ala Pro Arg Gln Xaa Pro Lys Ala Asn Ser Ala
65 70 75 80

Thr Thr Ala Thr Pro Xaa Val Leu Thr Ile Gln Ser Ser Ala Thr Pro
85 90 95

Val Lys Xaa Leu Ala Pro Xaa Glu Phe Xaa Asn His Arg Pro Lys Gly
100 105 110

Ala Leu Arg Pro Gly Asn Gly Pro Glu Ile Leu Leu Gly Gln Gly Pro
115 120 125

Pro Gln Xaa Xaa Ala Gln Xaa His Arg Xaa Leu Gln
130 135 140

<210> 7962
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7962
Xaa Gly Arg Ala Phe Pro Arg Glu Gly Arg Xaa Xaa Ser His Ala Tyr
1 5 10 15

Xaa Arg Ser Phe Cys Xaa Gly Arg Thr Asp Val Pro Gly Ser Ser Pro
20 25 30

```
Cys Arg Asn His Xaa Ala Leu Arg Thr Pro Phe Thr Val Tyr Leu Xaa
         35                  40                  45

Tyr Ile Xaa Xaa Cys Lys Thr
     50                  55
```

<210> 7963
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7963

```
Arg Gly Glu Thr Arg Glu Met Ala Gly Asn Leu Leu Ser Gly Ala Gly
  1               5                  10                  15

Arg Arg Leu Trp Asp Trp Val Pro Leu Ala Cys Arg Ser Phe Ser Leu
             20                  25                  30

Gly Val Pro Arg Leu Ile Gly Ile Arg Leu Thr Leu Pro Pro Pro Lys
         35                  40                  45

Val Val Asp Arg Trp Asn Glu Lys Arg Ala Met Phe Xaa Xaa Tyr Asp
     50                  55                  60

Asn Ile Gly Ile Leu Gly Asn Phe Glu Lys His Pro Lys Glu Leu Ile
 65                  70                  75                  80

Arg Gly Pro Ile Trp Leu Arg Gly Trp Lys Gly Asn Glu Leu Gln Arg
                 85                  90                  95

Cys Ile Pro Lys Arg Lys Met Xaa Gly Lys
            100                 105
```

<210> 7964
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7964
Phe Leu Ser Phe Gln Gly Cys Pro Val Gln Leu His Lys Thr Ser Cys
1 5 10 15

Ile Leu Gly Ile Ser Tyr Leu His Leu His Tyr Tyr Leu Pro Met Cys
20 25 30

Cys Leu Xaa Lys Trp Val Tyr Ser Ala Thr His Leu Val Ser Pro Gln
35 40 45

Cys Ser Thr Gln Cys Val Ser Leu Ile Lys Leu Ala Leu Leu Pro Cys
50 55 60

Gln Tyr Tyr Ile Gln Xaa Xaa Trp Ser Leu Ala Xaa Trp Gln Xaa
65 70 75

<210> 7965

<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7965

```
Ser Lys Cys Lys His His Arg Asp Pro Phe Tyr Thr Glu Gln Asp Cys
  1               5                  10                  15

Thr Ala Ser Cys Ala Thr Pro Ser Phe Ser Ile Ser Thr Pro Ser Ser
             20                  25                  30

Asn Ser Lys Ser Arg Thr Thr Asp Arg Cys Leu Phe Leu Phe Gly Asp
         35                  40                  45

Met Gly Xaa Xaa Ile Phe Cys Ser Ile Leu Cys Phe Ser Pro Ile Pro
     50                  55                  60

Leu His Xaa Val Gly Val Xaa His Ser Ile Xaa Xaa Trp Xaa Gly Phe
 65                  70                  75                  80

Arg Asp Trp Val Xaa Pro Lys Asn Xaa Xaa Gly Xaa Xaa Phe Xaa Lys
                 85                  90                  95

Lys Lys Lys Lys Phe Xaa Gly Gly Gly Pro Xaa Xaa Xaa Trp Ala Xaa
            100                 105                 110

Xaa Gly Gly Xaa Xaa Ala Xaa Xaa Gly Gly Gly Gly Gly Cys
        115                 120                 125
```

<210> 7966
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7966
Trp Gly Trp Arg Thr His Leu Asn Met Trp Asn Pro Asn Ala Gly Gln
1 5 10 15

Pro Gly Pro Asn Pro Tyr Pro Pro Asn Ile Gly Cys Pro Gly Gly Ser
20 25 30

Asn Pro Ala His Pro Pro Pro Ile Asn Pro Pro Phe Pro Pro Gly Pro
35 40 45

Cys Pro Pro Pro Pro Gly Ala Pro His Gly Asn Pro Ala Phe Pro Pro
50 55 60

Xaa Gly Ala Pro His Pro Val His Ser Gln Gly Ile Gln Asp Ala Xaa
65 70 75 80

Arg Trp Val Leu Pro Ser Pro Tyr Gln Arg Cys Pro Gly Ile Leu Cys
85 90 95

Glu Ser Leu Val Trp His Val Asp His Met Ile Val Asp Lys Arg Xaa
100 105 110

Glu Lys Met Lys Lys Ser
115

<210> 7967
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7967
Xaa Arg Thr Arg Gly Leu Gly Glu Thr Ala Ala Xaa Ala Gly Arg Gly
1 5 10 15

Thr Ala Ile Phe Ala Gly Xaa Xaa Pro Pro Ala Asp Xaa Lys Lys Cys
20 25 30

Ala Gly Ser Arg Arg Ala Xaa Gly Leu Ala Leu Gly Leu
35 40 45

<210> 7968
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7968
Pro Leu Tyr Leu Leu His Asn Glu Leu Thr Arg Asn Asn Phe Ala Arg
1 5 10 15

Arg Ala Lys Ala Lys Thr Pro Glu Thr Arg Arg Ala Thr Xaa Glu Gln
20 25 30

Leu Lys Glu His Thr Arg Leu Cys Cys Lys Ile Val Gly Lys Ile Tyr
35 40 45

Arg Leu Xaa Arg Gln Thr Tyr Arg Ala Trp
50 55

<210> 7969
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7969
Asp Pro Arg Asn Gln Thr Ser Tyr Leu Arg Thr Ala Xaa Arg Ala His
1 5 10 15

Pro Ser Met Leu Gln Asn Met Gly Lys Ile Tyr Arg Leu Arg Arg Thr
20 25 30

Asn Leu Pro Ser Leu Val Ile Leu Val Val Pro Arg Xaa Asn Leu Ile
35 40 45

Ser Thr Phe Asn Leu Pro Xaa Asn Pro Leu Ile Pro Cys
50 55 60

<210> 7970

<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7970
Asn Leu Lys Leu Thr Leu Asn Leu Pro Gln Asn Pro Ser Lys Ser Leu
1 5 10 15

Gly Asn Leu Thr Gly Ser Pro Lys Arg Asn Ser Xaa Trp Thr
20 25 30

<210> 7971
<211> 121
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7971

```
Asp Ile Lys Leu Ile Asp Thr Val Xaa Pro Arg Val Phe Phe Phe Phe
 1               5                  10                  15

Phe Ser Phe Phe Xaa Phe Phe Phe Glu Met Glu Ser His Ser Val Ala
            20                  25                  30

Gln Ala Gly Tyr Leu Arg Thr Cys Asn Pro Met Ser Arg Asn Val Gly
        35                  40                  45

Thr Pro Phe Met Ala Val Asn Leu Pro Val Leu Arg Ser Leu Tyr Lys
    50                  55                  60

Ser Leu Asn Pro Lys Gly Xaa Asn Pro Ile Xaa Pro Leu Val Ser Phe
65                  70                  75                  80

Ser Val Ala Phe Ala His Trp Leu Trp Lys Gln Gly Ser Phe Phe Leu
                85                  90                  95

Leu Gly Tyr Leu Trp Ile Trp Gly Ser Val Xaa Cys Ala Xaa Xaa Gly
            100                 105                 110

Asn Xaa Phe Gln Ala Trp Xaa Arg His
        115                 120
```

<210> 7972
<211> 167
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)

BNSDOCID: <WO 0122920A2 1 >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (139)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (152)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (155)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (156)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (158)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (162)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7972
Xaa Ser Pro Gly Gly Ala Xaa Gly Gly Lys Ile Asn Arg Pro Arg Thr
1 5 10 15

Val Thr Val Trp Gly Pro Arg Thr Phe Phe Pro Gln Ala Phe Leu Ser
20 25 30

Pro Xaa Ile Ser His Glu Met Gly Xaa Val Lys Gly Pro Gly Leu Pro
35 40 45

Gly Gly Gly Ala Pro Xaa Ala Ala Ser Pro Leu His Leu Asn Ser Xaa
50 55 60

Leu Xaa Pro Arg Gln Glu Leu Lys Lys Lys Leu Phe Lys Arg Arg Arg
65 70 75 80

Val Leu Asn Arg Glu Arg Arg Leu Arg His Arg Val Val Gly Ala Val
85 90 95

Ile Asp Gln Gly Leu Ile Gln Xaa Ala Pro Xaa Gln Glu Ala Gly Val
100 105 110

Pro Leu Gln Val Ala Lys Xaa Asn Ile Xaa Lys Glu Glu Xaa Xaa Lys
115 120 125

Ile Leu Pro Ala Ile Pro Xaa Xaa Pro Glu Xaa Glu Gly Ser Leu Gly
130 135 140

Ile Gly Ser Pro Phe Lys Ala Xaa Gln Xaa Xaa Xaa Gln Xaa Lys Arg
145 150 155 160

Lys Xaa Gly Lys Ala Pro Ser
165

<210> 7973
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7973
Val Ser Ser Asp Glu Arg Xaa Val Asn Xaa Asn Glu Thr Cys Xaa Xaa
1 5 10 15

Xaa Lys Leu Ser Gln Val Arg Gln Ser Tyr Pro Ile Phe Leu Xaa Val
20 25 30

Val Arg Leu Xaa Gly Asn Ser His Cys His Ile Ile Phe Lys Gly Ile
35 40 45

<210> 7974
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7974
Glu Pro His Arg Val Arg Arg Met Cys Ile His Trp Asp Ala Ser Gly
1 5 10 15

Arg Asp Val Glu Ser His Lys Arg Gln Gly Gly Leu Gln His Arg Glu
20 25 30

Trp Pro Ser Ser His Gly Val Thr Gly Leu Cys Ala Gly Val Val Trp
35 40 45

Pro Gly Ile Val Ser Gly Ser Ser Asp Gly Met Lys Arg Ala Ala Pro
50 55 60

Arg Leu Glu His Met Glu Gly Asp Glu Cys Xaa Ala Glu Ala Glu Gly
65 70 75 80

Gly Ala Ala Glu Ser
85

<210> 7975
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7975
Glu Val Ser Glu Ser Arg Asn Leu Glu Lys Lys Asp Val Glu Thr Thr
1 5 10 15

Ser Ser Val Ser Val Lys Arg Lys Arg Arg Leu Glu Asp Ala Phe Ile

20 25 30

Val Ile Ser Asp Ser Asp Gly Glu Glu Pro Lys Glu Glu Asn Gly Leu
35 40 45

Gln Lys Thr Lys Thr Lys Gln Ser Asn Arg Ala Lys Cys Leu Ala Lys
50 55 60

Arg Lys Ile Ala Gln Met Thr Glu Glu Glu Gln Phe Ala Leu Ala Leu
65 70 75 80

Lys Met Ser Glu Gln Glu Ala Arg Glu Val Asn Ser Xaa Xaa Xaa Glu
85 90 95

Glu Glu Glu Leu Leu Arg Lys Ala Ile Ala
100 105

<210> 7976
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7976
Gly Thr Lys Val Gly Thr Ser Pro Xaa Val Leu Ala Xaa Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Xaa Arg Asn Ser Ala Arg Asp Xaa Glu Gln Leu
20 25 30

His Asp Cys Leu Gln Val Ala Thr Ala Trp Met Gln Xaa Ala Gly Glu
35 40 45

Asp Arg Arg Leu Gly Gly Ser Pro His Arg Gly Gln Gly Ala Xaa Gly
50 55 60

Gln Xaa Xaa Xaa Pro Arg Thr Trp Xaa Pro Tyr Phe Pro Val
65 70 75

<210> 7977
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7977
Ile Arg Xaa Pro Xaa Ser Ser Val Gln Val Gly Gly Trp Leu Val Val
1 5 10 15

Xaa Ser Glu Ala Glu Xaa Ala Gly Thr Arg Gly Ser Gly Pro Arg Glu
20 25 30

Leu Ser Xaa Xaa Ser Pro Pro Tyr Leu Leu Pro Val Thr Val Arg Ile
35 40 45

Met Ala Leu Leu Thr Leu Xaa Thr Trp Ala Ser Ser Thr Xaa Xaa

50 55 60

<210> 7978
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7978
Xaa Cys Arg Ile Trp Ile Gly Leu Ile Pro Asn Ser Ala Cys Leu Leu
1 5 10 15

Xaa Asn Leu Xaa Met Val Lys His Leu His Xaa Met His Lys Met Tyr
20 25 30

Gly Tyr Asn Asn Val Tyr Met Asp Met Ile Tyr Phe Ile Ser Leu Leu
35 40 45

<210> 7979
<211> 63
<212> PRT
<213> Homo sapiens

<400> 7979
Leu Ala Ala Leu Arg Ser Ser Leu Leu Arg Val Tyr Phe Asn Leu Ala

7110

```
  1               5                  10                  15

Phe Lys Ala Val Val Thr Ala Pro Pro Lys Val Leu Lys Ala Ile Phe
            20                  25                  30

Gly Ala Tyr Cys Thr Val Val Leu Leu Gln Ile Phe Ser Tyr Gly
        35                  40                  45

Arg Met Val Phe Ser Ser Cys Lys Ser Leu Glu Leu Ile Leu Arg
    50                  55                  60
```

<210> 7980
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)

BNSDOCID: <WO_ 0122920A2_I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7980
Met Thr Phe Pro Ser Asn Ser Glu Val Ile Phe Leu Lys Glu Xaa Leu
1 5 10 15

Val Asn Xaa Xaa Ala Gly Phe Phe His Thr Asn Xaa Pro Xaa Pro Gly
20 25 30

Lys Lys Lys Pro Lys Pro Pro Leu Xaa Lys Lys Pro Xaa Leu Phe Leu
35 40 45

Gly Glu Lys Ile Pro Pro Lys Gly Gly Lys Lys Xaa Pro Phe Asn Gln
50 55 60

Asn Trp Ala Pro Xaa Gly Xaa Gly Gly Gly Gly Asn Xaa Leu
65 70 75

<210> 7981
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7981
Pro Lys Asn Val Ser Tyr Asn Val Ser Leu Lys Asn Lys Gln Lys Arg
1 5 10 15

Xaa Leu Pro Lys Thr Lys Ile Xaa Gln Met Ile Phe Xaa Gly Xaa Leu
20 25 30

Gly Phe Xaa Phe Ser Val Leu Ile Gly Ser Thr Ala Leu Xaa Thr Gly
35 40 45

Ile Leu
50

<210> 7982
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7982

```
Ile Ser Leu Ile Asn Leu Leu Glu Xaa Ile Gly Leu Lys Lys Lys Xaa
  1               5                  10                  15

Val Asn Gly Lys Asn Leu Lys Lys Tyr Phe Xaa Xaa Xaa Gln Leu Phe
             20                  25                  30

Tyr Tyr Xaa Glu Tyr Pro Thr Gly Phe Phe Lys Xaa Val Ala Pro Pro
         35                  40                  45

Phe Phe Pro Leu Xaa Pro Leu Gly Xaa Val Lys Lys Phe Pro
     50                  55                  60
```

<210> 7983
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7983
Gly Asn Asp Leu Pro Ile Pro Leu Pro Cys Tyr Ser Xaa Thr Pro Cys
1 5 10 15

Val Ser Leu Ala Ser Gly Gly Xaa Met Phe Glu Glu Lys Glu Leu Cys
20 25 30

Gln Glu Ser Gly Asp Arg Val Tyr Gly Xaa Gly Phe Leu Leu Gly Met
35 40 45

```
Leu Phe Val Ala Phe Trp Ala Ser Xaa Met Glu Thr Xaa Thr Leu Glu
     50                  55                  60

Pro Xaa Xaa Trp Asn Ser Pro Pro Asn Pro Pro Ile Phe Leu Lys Ile
 65                  70                  75                  80

Tyr Phe Pro Leu Leu Phe Leu Ala Phe Lys Thr Cys Tyr Ser Phe Phe
                 85                  90                  95

Gly Lys Ile Leu Thr Asn Phe
            100
```

<210> 7984
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7984

```
Arg Thr Ala Val Lys Pro Arg Ile Leu Ala Arg Pro Ala Ile Ser Lys
  1               5                  10                  15

Ala Val Ser Arg Asn Trp Thr Arg Tyr Gln Met Met Gly Lys Gln Thr
             20                  25                  30

His Arg Pro Lys Asn Ile Glu Glu Arg Xaa Val Asp Ile Asn Arg Lys
         35                  40                  45

Ala Lys Gly Ala Met Gln His Leu Leu Pro Ser Ser Trp Val Phe Pro
     50                  55                  60

Pro
 65
```

<210> 7985
<211> 39
<212> PRT
<213> Homo sapiens

<400> 7985

```
Val Phe Phe Leu Val Tyr Lys Asn Gln Cys Leu Tyr Lys Cys Cys Ser
  1               5                  10                  15
```

BNSDOCID: <WO___0122920A2 I_>

Gly Phe Gln Tyr Asn Arg Trp Leu Gly Phe Leu Glu Gln Arg Val Phe
20 25 30

Gly Phe Leu Phe Phe Leu Gly
35

<210> 7986
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7986
Glu Asn His Phe Ser Lys Cys Leu Lys Asn Tyr Phe Leu Asp Leu Phe
1 5 10 15

Phe Phe Ser Phe Pro Asn Lys Leu Trp Leu His Thr Lys Thr Val Thr
20 25 30

Glu Pro Tyr Glu Ser Arg Thr Xaa Leu Pro Arg Lys Thr Asn Tyr Xaa
35 40 45

Xaa Phe Ser Pro Glu Xaa Lys Leu
50 55

<210> 7987
<211> 145

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7987

Arg Xaa Thr Thr Phe Glu Lys Ser Leu Leu Met Gly Xaa Glu Phe Gln
1 5 10 15

Arg Arg Ala Xaa Ala Met Met Leu Arg Ala Ala Val Leu Arg Asn Xaa
20 25 30

Ile His Val Lys Ser Pro Pro Xaa Lys Arg Thr Xaa Gly Asn Leu Leu
35 40 45

His Gln His Xaa Ser Arg Met Asn Thr Asn Met Xaa Arg Val Asn Leu
50 55 60

Ala Ser Lys Thr Ser Ala Pro Pro Pro His Leu His Gly Thr Arg Asn
65 70 75 80

Ser Arg Arg Ser Xaa Leu Pro Ala Ala Thr Lys Gly Pro Xaa His Gly
85 90 95

Xaa Pro Pro Xaa Leu Phe Ser Ser Leu Gly Leu Lys Lys Gln Xaa Phe
100 105 110

Tyr Phe Cys Leu Pro Gly Lys Lys Ser Ser Xaa Ser Thr Phe Cys Phe
115 120 125

Phe Pro Gly Thr Xaa Val Ala Pro Ala Met Asp Ile Pro Asn Leu Phe
130 135 140

Pro
145

<210> 7988
<211> 37
<212> PRT
<213> Homo sapiens

<400> 7988
Leu Lys Ser Ile Phe Phe Ile Lys Leu Ile Leu Ile Val Phe Glu Ile
1 5 10 15

Ile Ile Gln Phe Thr Tyr Gly Arg Gly Ile Ser Ile Leu Met Thr Ser
20 25 30

Lys Asn Val Thr Asn
35

<210> 7989
<211> 33
<212> PRT
<213> Homo sapiens

<400> 7989
Gln Asp Tyr Trp Lys Phe Val Ile Met Asn Glu Thr Phe Cys His Ile
1 5 10 15

Arg Phe Ile Phe Thr Ser Tyr Thr Phe Asp Lys Val Arg His Gly Cys
20 25 30

Gly

<210> 7990
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7990
Ala Gly Ala Ala Ala Val Leu Pro Ile Thr Arg Gly Glu Ala Arg Pro
1 5 10 15

Gly Glu Val Gln Ala Leu Ala Glu Val Thr Ala Ala Xaa Leu Glu Pro
20 25 30

Arg Thr Leu Ser Ala Pro Lys His Ser Val Pro Tyr Leu Gln His Leu
35 40 45

Ser Pro Ile Val
50

<210> 7991
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7991
Gln Gly Glu Ser Thr Gly Asp Met Ser Leu Ile Arg Tyr Arg Val Cys
1 5 10 15

Leu Gln Gly Val His Ser Leu Met Arg Asn Arg Asn Phe Ser Leu Val
20 25 30

Pro Lys Thr Leu Lys Tyr Lys Val Leu Gln Xaa Val Pro Cys Ile Met
35 40 45

```
Phe Pro Ser Xaa Ile Thr Arg Asn Ser Met Glu Lys Lys Cys Xaa Met
     50                  55                  60

Leu Thr Ile Asp Leu Xaa Ile Glu Ser Pro
 65                  70
```

<210> 7992
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7992

```
Pro Met Gly Ser Pro Ala Pro Gly Gly Thr Cys Cys Asn Xaa Asn Lys
  1               5                  10                  15

Cys Gly Xaa Met Arg Asp Asp His Val Tyr Pro Pro
             20                  25
```

<210> 7993
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7993

```
Phe Glu Thr Ser Xaa Phe Pro Ser Lys Lys Met Lys Lys Phe Leu Asp
  1               5                  10                  15
```

Gly Pro Ile Pro Pro Pro Pro Gln Xaa Ala Leu
20 25

<210> 7994
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7994
Asn Pro Asn Ala Ser Arg Asn Arg Ser Gly Xaa Pro Gly Ser Thr His
1 5 10 15

Ala Ser Asp Phe Xaa Val Phe Xaa Met Pro Ile Ser Thr Gly Gly Phe
20 25 30

Leu Lys Ile Val Lys
35

<210> 7995
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)

BNSDOCID: <WO__ 0122920A2_I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7995
Ala Gln Ile Gln Pro Ala Pro Ala Ala Pro Gly Thr Glu Glu Leu Thr
1 5 10 15

Glu Ala Pro Val Gln Gly Leu Leu Leu Pro Leu Leu Phe Pro Ser Val
20 25 30

Cys Pro Gly Pro Gly Ala Arg His Gly Gly Gly Gly Glu Ala Xaa Xaa
35 40 45

Xaa Gly Xaa
50

<210> 7996
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7996
Leu Xaa Leu Thr Lys Leu Asn Xaa Ile Arg Gly Glu Xaa Ala Xaa Val
1 5 10 15

Thr Ala Leu Gly Gln Gly Tyr Pro Gly Pro Gly Glu Ile Ser Arg Gly
20 25 30

Ser Gly Pro Thr Arg Pro Pro Thr Arg Pro Gly Glu Glu His Phe Ala
35 40 45

Tyr Val Leu Lys Val Cys Ile Gly Val Arg Gly Ala Leu Tyr Met Gly
50 55 60

Thr Ser His Lys Thr Gly Asp Tyr Phe Leu Ile Ile Leu Asn Phe His
65 70 75 80

Pro Glu

<210> 7997
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7997
Pro Asn Ala Gly Glu Pro Ile Arg Xaa Pro Gly His Pro Arg Xaa His
1 5 10 15

BNSDOCID: <WO__0122920A2 I_>

Lys Leu His Val Xaa Glu Ile Ser Xaa Gly Ala Leu Ile Lys Phe Ser
20 25 30

Asp Pro Asn
35

<210> 7998
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7998
Xaa Asn Cys Leu Ile Thr Trp Cys Val Leu Arg Asn Leu Thr Ser Thr
1 5 10 15

Pro Val Asn Ser Leu Gln Leu Asn Ser Lys Asn Ser Xaa Ala Arg Lys
20 25 30

Phe Ser Thr Phe Ser Ala His Glu Thr Phe Ala Pro Xaa Glu Ser Tyr
35 40 45

Asp Tyr Leu Lys Thr Ser Gly Leu Ala Met Phe Ile Xaa Xaa Xaa Xaa
50 55 60

Arg Leu
65

<210> 7999
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7999

Phe Xaa Phe Thr Glu Leu His Leu Ile Arg Gly Lys Lys Gly Trp Val
1 5 10 15

Tyr Arg Pro Leu Ala Arg Xaa Tyr Pro Gly Ser Arg Xaa Ile Ser Arg
20 25 30

Gly Ser Glu Xaa His Val Xaa Leu Gly Lys Lys Lys Xaa
35 40 45

<210> 8000
<211> 83
<212> PRT
<213> Homo sapiens

<400> 8000
Gly Gly Asp Leu Gly Glu Ser Val Arg Lys Thr Glu Lys Gly Arg Thr
1 5 10 15

Gly Pro Pro Leu Pro Pro Ile Pro Gly Pro Gly Pro His Ser Leu Leu
20 25 30

Cys His Asn Gln Leu Arg Tyr Pro Arg Ser Asp Tyr Pro His Ser Leu
35 40 45

Phe Glu Gln Leu Phe Ile Glu Gln Leu Glu Tyr Val Ser Leu Cys Gln
50 55 60

Leu Leu Ala Arg Ser Arg Lys Tyr Gln Met Ser Glu Ile Ile Gly His
65 70 75 80

Tyr Pro Trp

<210> 8001
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8001
Xaa Arg Arg Gly Gly Lys Lys Xaa Xaa Gly Arg Ser Gln Val Pro Pro
1 5 10 15

Xaa Arg Lys Arg Gly Arg Gly Xaa Pro Gly Ser Thr His Ala Ser Xaa
20 25 30

Ser

<210> 8002
<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8002
Val Pro Ser Gly Gly Arg Pro Thr His Thr Ser Ala Asp Ser Pro Ala
1 5 10 15

Arg Gln Lys Arg Pro Pro Ala Gly Pro Ala Ser Arg Ser Arg Gly Cys
20 25 30

Leu Gln Gly Gly Gln Ala Gln His Pro Gly Val Leu Arg Leu Leu Phe

```
         35                  40                  45

Ile Ser His His Arg Gln Ala Arg Arg Val Ala Pro Lys Arg Thr Pro
     50                  55                  60

Gly Arg Ala Ser Pro Ser Pro His Gly Asp Pro Pro Pro Ala Lys Gly
 65                  70                  75                  80

Gly Ala Pro Gly Pro Arg Gln Trp Ser Asp His Gln Val Arg Gly Ile
                 85                  90                  95

Ser Gln Gly Leu Glu Pro Asp Ser Trp Ser Ser Gly Ser Gly Pro Pro
            100                 105                 110

His Ala Gly Cys Lys Ser Thr Gln Glu Thr Trp Lys Ala Ser Leu Xaa
        115                 120                 125

Pro Asn Leu
    130
```

<210> 8003
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8003

```
Gln Xaa Ala Ile Cys Phe Ile Gly Ile Val Phe Ile Gly Lys Asp Glu
  1               5                  10                  15

Phe Ile Pro Glu Ser Ile Glu Tyr Leu Leu Gly Tyr Leu Ile Leu Leu
             20                  25                  30

Ile Leu Gly Thr Glu Pro Phe Ala Ala His Cys Thr Ser Gly Asn Ser
         35                  40                  45
```

<210> 8004
<211> 43
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8004
Leu Xaa Xaa Phe Leu Leu Ala Xaa Leu His Trp Leu Val Pro Xaa Arg
1 5 10 15

Xaa Xaa Ile Glu Xaa Gly Ile Met Asp Xaa Leu Asp Leu Phe Pro Xaa
20 25 30

Ser Trp Gly Lys Leu Leu Ile Xaa Ile Ile Lys
35 40

<210> 8005
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8005
Ala Leu Gly Thr Ile Gln Xaa Ala Ile Xaa Trp Ser Asn Xaa Met Arg
1 5 10 15

Ile Lys Gly Asn Ala Cys Thr
20

<210> 8006
<211> 37
<212> PRT
<213> Homo sapiens

<400> 8006
Trp Ile Tyr Gln Arg Ser Gln Ile His Phe Phe Gln Asn Leu Lys Thr
1 5 10 15

Lys Gly His His Glu Cys Thr Gln Lys Leu Gly Gln Val Tyr Tyr Ile

20 25 30

Trp Asp Phe His Leu
35

<210> 8007
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8007
Lys Thr Val Glu Cys Xaa Xaa Thr Ile Leu Pro Arg Phe Leu Xaa Xaa
1 5 10 15

His Leu Lys Xaa
20

<210> 8008
<211> 17
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8008
Asp Thr Xaa Ser Lys His Xaa Lys Thr Xaa Asn Thr Thr Val Asn Lys
1 5 10 15

Xaa

<210> 8009
<211> 47
<212> PRT
<213> Homo sapiens

<400> 8009
Gly Leu Phe Trp Pro Phe Pro Arg Glu Cys Leu Pro Leu Tyr Leu Pro
1 5 10 15

Gly Pro Ile Asp Lys Asp Val Leu Pro Cys Arg Arg Leu Ala Ser Ile
20 25 30

Thr Ala Cys Pro Leu Leu Cys Pro Leu Gln Pro Pro Leu Thr Leu
35 40 45

<210> 8010
<211> 82
<212> PRT
<213> Homo sapiens

<400> 8010
Gly Glu Ile Ser Ser Leu Asn Gly Asp Leu Lys Thr Leu Gly Leu His
1 5 10 15

Tyr Val His Asn Gly Ser Ala Ser Phe Ile Met Gln Lys Ser Leu Pro
20 25 30

Leu Leu Lys Ile Pro Val Ala Ala Ala Cys Arg Gly Leu Val Ala Ser
35 40 45

Cys Leu Leu Gly Thr Glu Gln Glu Leu His Ser Pro Ala Trp Ser Lys
50 55 60

Leu Trp Pro Arg Asp Arg Gly Pro Lys Ser Gln Pro Pro Ser Tyr Thr
65 70 75 80

Gly Ala

<210> 8011
<211> 40
<212> PRT
<213> Homo sapiens

<400> 8011
Ser Leu Ala Phe Pro Ser Leu Ser His Arg Thr Tyr Pro Ser Pro Arg
1 5 10 15

Lys Cys Pro Ser Leu Ala Ser Ala Cys Pro Ser Glu Ser Ala Phe Phe
20 25 30

Ala Leu Asn Ile Ser Thr Leu Tyr
35 40

<210> 8012
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)

BNSDOCID: <WO_ 0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8012
Lys Arg Gly Arg Ser Ser Arg Xaa Xaa Tyr Thr Asp Xaa Tyr Xaa Gly
1 5 10 15

Asn Asp Trp Ser Xaa Leu Xaa Val Leu Gly Pro Leu Ile Xaa Gly Ser
20 25 30

Thr

<210> 8013
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8013
Arg Val Ser Pro Gly Pro Trp Pro Gly Trp Gly Trp Gly His Arg Ser
1 5 10 15

Ala Gln Ser Arg Arg Arg Pro Gly Phe Leu Gly Ser Val Leu Ser Ser
20 25 30

Gln Phe Leu Ala Leu Cys Thr Leu Lys Pro Ser Leu Val Val Glu Leu
35 40 45

Ala Arg Asp Leu Leu Glu Phe Leu Gly Ser Val Asn Gly Leu Cys Ser
50 55 60

Arg Ala Ser Leu Val Thr Ser Val Val Trp Ala Ile Gly Glu Ser Cys
65 70 75 80

Xaa Asp Leu Arg Ser Gly Gly Ala Pro Xaa Xaa Xaa
85 90

<210> 8014
<211> 60
<212> PRT
<213> Homo sapiens

<400> 8014
Gly Ser Ser Tyr Pro Gly Arg Ser Arg Ala Arg Cys Pro Leu Gln Thr
1 5 10 15

Ser Ala Val Tyr Gly Cys Glu Tyr Val Ala Val Leu Gly Ser Cys Glu
20 25 30

Phe Val Ile Leu Asp Val Leu His Cys Pro Arg Gly Pro Lys Lys Asp
35 40 45

Gly Lys Arg Ser Pro Ser Ala Leu Val Leu Asn Met
50 55 60

BNSDOCID: <WO_ 0122920A2 1 >

<210> 8015
<211> 63
<212> PRT
<213> Homo sapiens

<400> 8015
Lys Ala Ser Cys Phe Pro Ile Pro Leu His Glu Gly Asn Asp Tyr Asn
1 5 10 15

Ile Ser Tyr Val Tyr Phe Gln Ile Asn Phe Thr Tyr Leu Ile Ala Tyr
20 25 30

Val Leu Lys Ile Phe Ser Thr Asn Arg Ile Ile Ile Leu Ile Leu Leu
35 40 45

Ser Phe Ser Tyr Cys Ile Leu Leu Phe Leu Leu His Asp Phe Ser
50 55 60

<210> 8016
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8016
Ala His Ala Ser Xaa His Ala Ser Glu Lys Lys Lys Xaa Gly Asn Phe
1 5 10 15

<210> 8017
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8017
Gln Xaa Arg Lys Arg Thr Pro Glu Asp Arg Pro Glu Asn Pro Gly Arg
1 5 10 15

Pro Thr Arg Pro Phe Ser Xaa Asn Xaa Ser Thr Phe Asn Trp Xaa Gln
20 25 30

Arg Lys Xaa Lys Glu
35

<210> 8018
<211> 34
<212> PRT
<213> Homo sapiens

<400> 8018
Glu Lys Asn Asp Ile Ile Ser Thr Tyr Tyr Ile Val Gly Ser Leu Tyr
1 5 10 15

Thr Lys Val Ile Val Met Arg Lys Asn Gly Leu Gly Ile Leu Phe Lys
20 25 30

Ile Asn

BNSDOCID: <WO__ 0122920A2_I_>

<210> 8019
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8019
Phe Arg Phe Cys Leu Cys Gly His Phe Lys Thr Cys Val Thr Tyr Ile
1 5 10 15

Xaa Thr Phe Ile Leu Leu Tyr Phe Val Ser Pro Pro Thr Xaa Asn Phe
20 25 30

BNSDOCID: <WO__0122920A2_I_>

Phe Cys Phe Leu Lys Asn Asp Ser Leu Thr Pro Gln Gln Xaa Lys Val
35 40 45

Ile Xaa Tyr Thr Tyr Ile Ser Ile Phe Val Ile Xaa Lys Ser Asn Pro
50 55 60

Xaa Ser Xaa
65

<210> 8020
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _ 0122920A2 I >>

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8020
Val Glu Asn Xaa Thr Ile Gly Phe Xaa Trp Xaa Ala Xaa Arg Tyr Arg
1 5 10 15

Ser Gly Ile Pro Gly Ser Thr His Ala Phe Xaa His Ala Phe Xaa Glu
20 25 30

His Leu Leu Val Gln Ala Asp Xaa Pro Asn Thr Xaa Gly Lys Gly Gly
35 40 45

Asn Glu Arg Pro Gly Val Gln Xaa Ser Ile Leu Asn Xaa Leu Cys
50 55 60

<210> 8021
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8021

Ala Ala Met Leu Pro Glu Ala Ser Phe Xaa Xaa Pro Xaa Arg Ala Thr
1 5 10 15

<210> 8022
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8022
Phe Gly Met Pro Xaa Gly Thr Ser Ala Gly Thr Gly Pro Glu Phe Pro
1 5 10 15

Gly Arg Pro Thr Arg
20

<210> 8023
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _0122920A2 I >

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8023
Ala Phe Asn Glu Ser Arg Ser Ile Glu Glu Asn Lys Xaa Phe Gln Leu
1 5 10 15

Met Asp Phe His Met Glu Val Gly Glu Thr Asn Asn Xaa Ile Xaa Pro
20 25 30

His Thr Thr Tyr Lys Ser Asn Trp Arg Cys Xaa Ile His Gln Asn Leu
35 40 45

Lys Val Lys Asp Ile Lys Xaa Phe Lys Asp Thr Leu
50 55 60

<210> 8024
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8024
Xaa Arg Gln Ala Leu Ile Arg Leu Thr Ile Trp Lys Xaa Gly Thr Pro
1 5 10 15

Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Leu Pro

20 25 30

Leu Ser Xaa Asn Ile Asp Lys Leu Pro Gly Xaa Lys Glu Asn Ile Gly
35 40 45

Leu Ile Val
50

<210> 8025
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8025
Glu Lys Ile Arg Val Phe Lys Ala Gly Pro Arg Gly Arg Ser Arg Gly
1 5 10 15

Lys Xaa Trp Xaa Ala Xaa
20

<210> 8026
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8026
Gly Val Gly Gly Arg Asp Pro Val Pro Asp Thr Gly Glu Glu Ile Pro

```
  1               5                  10                  15

Ser Leu Val Phe Met Leu Pro Val Arg His Cys Leu Leu Asp Ile Ile
             20                  25                  30

Ile Pro Thr Leu Cys Ser Phe Val Ser Gln Ile Gln Tyr Ile Val Lys
         35                  40                  45

Ala Ser Trp Ser Phe Phe Asn Ile Ser His Leu Cys His Ser Leu His
     50                  55                  60

Ser His Lys Pro Gln Gln Leu Leu Lys Val Leu Leu Asp Pro Leu Leu
 65                  70                  75                  80

Pro Val Phe Glu Ile Phe Leu Ala Tyr Asp Cys Leu Ile Thr Phe Leu
                 85                  90                  95

Lys Ser Ser Ser Leu Ala Tyr Ser Arg Xaa His Arg Gly Leu Leu Trp
            100                 105                 110

Cys Ile Arg
        115
```

<210> 8027
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8027

BNSDOCID: <WO 0122920A2 I >

Gly Pro Pro Gly Lys His Leu Gly Lys Xaa Pro Xaa Gly Pro Ser Arg
1 5 10 15

Asp Arg Thr Gly Arg Pro Xaa Pro Thr His Val Phe Xaa Pro Phe Lys
20 25 30

Thr Lys

<210> 8028
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8028
Ala Thr Lys Asn Xaa Ser Gly Thr Ser Lys Ala Arg His Lys Val Gln
1 5 10 15

Ile Pro Ala Arg Arg His Gln Thr Glu Ala Asn Ser Cys Ala Ser Lys
20 25 30

Pro Thr

<210> 8029
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8029
Xaa Phe Pro Val Arg Phe Thr Xaa Pro Thr Arg Gly Ser Pro Arg Glu
1 5 10 15

Ser Trp Val Arg Xaa Gly Lys Ala Thr Pro Glu Xaa Glu Ala Gly Ser
20 25 30

Pro Arg Xaa Pro Asp
35

<210> 8030
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8030
Asp Arg Tyr Thr Cys Gln Arg Pro Ser Ala Arg Xaa Phe Arg Xaa Leu
1 5 10 15

Pro Phe Leu Ser Arg His Val Arg Arg Leu Ser Pro Xaa Ala Leu Asn
20 25 30

Arg Gly Leu Pro
35

<210> 8031
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8031
Tyr Ile Phe Asn Xaa Asn Thr Ala Pro Leu His Thr Leu Xaa Asn Val
1 5 10 15

Gly Asp Xaa Ile Ser Glu Leu Gly Lys Asn Leu Lys Lys His Ile Arg
20 25 30

<210> 8032
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO 0122920A2 I >

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8032
Pro Xaa Xaa Ala Thr Val Xaa Pro Gly Pro Val Arg Arg Arg Ser Arg
1 5 10 15

Ser Xaa Glu Arg Arg Ser Ala Pro Ala Gly Ala Xaa Gly Pro Ser Ala
20 25 30

Ser Val Leu Thr Xaa Pro Xaa Xaa
35 40

<210> 8033
<211> 69
<212> PRT
<213> Homo sapiens

<400> 8033
Gly Ala Tyr Leu Ala Asn Ser Thr Leu Asn Leu Ser Ala Trp Lys Leu
1 5 10 15

Leu Met Gln Cys Pro Arg Trp Arg Lys Val Arg Val Asp Pro Glu Glu
20 25 30

Pro Arg Glu Asp Val Gln His Gly Asp Leu Gly Ser Ser Gln Gly Pro
35 40 45

Tyr Phe Ser Asp Phe Trp Ser Glu Asn Thr Ser Ser Gly Lys Ser Pro
50 55 60

Leu Thr His Pro Gly
65

<210> 8034
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8034
Xaa Xaa Xaa Lys Ser Ile Met Lys Gln Gln Lys Ser Thr Pro Leu Leu
1 5 10 15

Gly Leu Asp Asn Glu His Gly Ile Ser Pro Lys Leu Val Ala Trp Asn
20 25 30

Gly Ser Ile Phe Ala Cys Val Ile Leu Xaa Ser Tyr Ser Gln Lys Glu
35 40 45

Ile Phe Arg Asn Ser Val Phe His Leu Ala Gly Xaa Ala Val Ile Leu
50 55 60

Leu Cys Asn
65

<210> 8035
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8035
Pro Ser Gln Pro Lys Thr Xaa Asn Val Glu Pro Glu Asp Xaa Arg Ser
1 5 10 15

Xaa His Val His Xaa Met Glu Ile Cys Ala Tyr Leu Tyr Ile Lys
20 25 30

<210> 8036
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8036
Leu Tyr Leu Phe Gln Leu Leu Ile Phe Cys Cys Cys Leu Ile Phe Leu
1 5 10 15

Ala Cys Leu Leu Val Glu Leu Tyr Ile Arg Ser His Ser Lys Lys Ala
20 25 30

Asn Ser Lys Thr Pro Lys Glu Tyr Tyr Arg Leu Asn Tyr Arg Arg Gln
35 40 45

Ile Pro Ser Leu Xaa Trp Glu Asn Gly Leu Glu Gly Arg Asn Val Ala
50 55 60

Arg Val Pro Gln Lys
65

<210> 8037
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8037
Gly Arg His Val Xaa Asp Xaa Xaa Gly Pro Arg Pro Arg Arg Asp Xaa
1 5 10 15

Asn Ser Xaa Phe Arg Pro Xaa Ala Leu Tyr Pro Xaa Gly Xaa Lys Pro
20 25 30

Gln

<210> 8038
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8038
Gln Asn Ile Asn Ala Tyr Asn Leu Gly Gly Thr Xaa Arg Gly Lys Gly
1 5 10 15

Ala Pro Asn Pro Xaa Phe Gly Asp Xaa Ser Lys Tyr Xaa Gln Lys Cys
20 25 30

Ile Pro Leu Met Glu Thr Ile Thr Leu Ile Asn Ala Xaa Ile Tyr
35 40 45

<210> 8039
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8039
Xaa Cys Arg Thr Gly Arg Asn Ser Arg Val Asp Pro Cys Val Arg Ala
1 5 10 15

Xaa Leu Asn Lys Thr Asn Lys Asn Val Lys Xaa Glu Gln Xaa Thr Glu
20 25 30

Ser His Lys Ala Asp Xaa Thr Xaa Ala Xaa Xaa Thr Xaa Thr Leu Gly
35 40 45

Ser Gly Tyr Lys Gly Xaa Lys Asp Tyr Val Asp Pro Trp Gly Leu Cys
50 55 60

```
Lys Tyr Leu Pro His Lys Ser Cys Cys Xaa Lys Thr Gly Gly Leu Gly
 65                  70                  75                  80

Xaa Asn Leu Xaa Ile Lys Glu Phe Ala Thr His
                 85                  90



<210> 8040
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8040
Glu Lys Ile Gly Xaa Ser Arg His Arg Lys Pro Tyr Ser Thr Val Val
  1               5                  10                  15

Leu Ser Lys Lys Ala Leu Leu Ile Cys Gly Cys Xaa Leu Gln Lys Gln
             20                  25                  30

Leu Gln Val Xaa Ser Trp Phe Thr Cys Pro Phe Arg Ser Ile Asn Leu
         35                  40                  45

Ile Gly Xaa Ala Glu Ala Gly Ala Ile Xaa Ile Gln Val
     50                  55                  60
```

<210> 8041
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8041
Leu Leu Ile Lys Asn Xaa Leu Cys Leu Arg Glu Ile Tyr Ala Phe Leu
1 5 10 15

Lys Ser Thr Ser Glu His Val Pro Arg Ser Ser His Arg Phe Cys Leu
20 25 30

Val Gly Thr Gly Lys Phe Ser Arg Lys Tyr Xaa Leu Cys Val Met Thr
35 40 45

Xaa Gln Tyr Cys Gln Ser Ala Met Xaa Tyr Phe Ala Phe Phe Tyr Pro
50 55 60

<210> 8042
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8042
Xaa Xaa Ser Gln Ser Glu Asp Ala Xaa Thr Ala Glu Glu Thr Glu Ala
1 5 10 15

Glu Arg Xaa Ala Pro Arg Leu Ala Leu Pro Ala Pro Ala Ala Ala Ser
20 25 30

Gly Gly Pro Pro Lys Xaa Arg Xaa
35 40

<210> 8043
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8043
Leu Tyr Trp Ile Thr Xaa Xaa Thr Glu Thr Gln Thr His Tyr Asp Asp
1 5 10 15

Asn Leu Thr Leu Leu Glu Glu Xaa Xaa Asp Asn Leu His Ala Xaa His
20 25 30

Asn Xaa Ile Ser Gly Thr Trp His Met His Ser Ser Met Glu His Xaa
35 40 45

Leu Ala Leu Pro Leu Ser Phe Lys Ala Gln Gly Thr Xaa Thr Ile Thr
50 55 60

Val Lys Pro Xaa Pro
65

<210> 8044
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8044
Asn Xaa Pro Gly Xaa Leu Ile Xaa Val Glu Lys Arg Xaa Trp Gly Thr
1 5 10 15

Pro Leu Ala Gly Val Thr Pro Gly Ser Pro Gly Ile Phe Pro Gly Gly
20 25 30

Ser Xaa Pro Xaa Xaa Gly Pro Ala Phe Ile Ser Xaa Met Ile Gly Lys
35 40 45

<210> 8045
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8045
Lys Xaa Ala Thr Ala Xaa Arg Ser Leu Asn Gly Glu Trp Leu Leu Cys
1 5 10 15

Leu Val Ser Gly Ile Phe Lys Pro Gly Ala Glu Arg Gly Ala Gly Gly
20 25 30

Xaa Asp Phe
35

<210> 8046
<211> 52

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8046
Xaa Ser Xaa Lys Gly Pro Gly Pro Gly Pro Lys Gly Pro Pro Gly Pro
1 5 10 15

Gly Gly Pro Lys Gly Gly Ala Pro Lys Gly Gly Phe Leu Arg Gly Lys
20 25 30

Ala Gln Arg Xaa Leu Ser Lys Pro Pro Asn Trp Xaa Gly Xaa Asn Trp
35 40 45

Xaa Arg Gly Lys
50

<210> 8047
<211> 56
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8047
Pro Lys Leu Val Leu Leu Glu Ala Thr Thr Ser Thr Glu Thr Leu Lys
1 5 10 15

Asn Ile Pro Ser Ser Met Leu Arg Leu Thr Phe Asp Thr Gly Met Gly
20 25 30

Ile Ser Ile Trp Ser Tyr Leu Ser Cys Val Thr Xaa Gln Leu Tyr His
35 40 45

Ser His Cys Gln Glu Val Leu Xaa
50 55

<210> 8048
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8048
Pro Ser Xaa Ala Asn Ser Arg Asn Leu Trp Phe Phe His Arg Ala Val
1 5 10 15

Leu Xaa Xaa Thr Ser Met Xaa Gln
20

<210> 8049
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8049
Ala His Xaa Leu Leu Ser Ile Pro Glu Ser Trp Phe Leu Phe Ile Thr
1 5 10 15

Glu Xaa

<210> 8050
<211> 50
<212> PRT
<213> Homo sapiens

<400> 8050
Ala Ala Trp Ala Ala Ala Ser Cys Gln Pro Pro Pro Pro Arg Pro Cys
1 5 10 15

Leu Arg Arg Thr His Lys Asn His Ala Ser Phe Leu Pro Gln Pro Leu
20 25 30

Met Glu Ser Ser Ala Arg Ser Ala Thr Lys Pro Arg Lys Met Ile Leu
35 40 45

Ala Cys
50

<210> 8051
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8051
Glu Pro Xaa Arg Arg Xaa Arg Ser Asn Ile Xaa Thr Ile His Asn Gly
1 5 10 15

Xaa Ala Lys Asn Ile Asn Glu Ile Leu Tyr Ile Arg Asn Xaa Gln Ala
20 25 30

Leu

<210> 8052
<211> 29
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8052
Leu Pro Glu Leu Thr Thr Thr Leu Leu Xaa Xaa Leu Xaa Thr Asp Ala
1 5 10 15

Pro Ser Thr Leu Ser Asp Xaa Gly Asn Ala Asn Tyr Ile
20 25

<210> 8053
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8053
Met Thr Thr Tyr Gly Glu Tyr Ser Xaa Asn Ser His Asp Pro His Tyr
1 5 10 15

Gly Arg Gln Thr His Xaa Leu Trp Glu Thr Leu Met Gly Xaa Cys Lys
20 25 30

Lys

<210> 8054
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8054
Gly Leu Gly Ser Ala Xaa Ala Lys Thr Glu Trp Leu Asp Ala Lys His
1 5 10 15

His Xaa Leu Ala His Ser Thr Phe Xaa
20 25

<210> 8055
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8055

Pro	Thr	Arg	Pro	Val	Arg	Ser	Arg	Phe	Ser	Arg	Gly	Gly	Arg	Arg	Trp
1				5					10					15	

Arg	Glu	Arg	Ala	Pro	Glu	Ser	Leu	Arg	Ala	Arg	Trp	Gly	Gly	Ala	Gly
			20					25					30		

Glu	Ser	Gly	Arg	Pro	Glu	Asp	Val	Gly	Val	Tyr	Val	Trp	Lys	Ser	Gly
		35					40					45			

Arg	Val	Leu	Leu	Phe	Val	Arg	Ala	Phe	Glu	Asn	Cys	Leu	Pro	Leu	Ser
	50					55					60				

Glu	Glu	Ser	Thr	Arg	Asn	Leu	Pro	Ser	Ser	Ala	Gly	Ser	Pro	Ala	Leu
65					70					75					80

Ser	Ser	Pro	Thr	Gln	Ala	Ser	Val	Gly	Glu	Val	Gly	Ser	Ala	Pro	Asp
				85					90					95	

Pro	Arg	Leu	Glu	Leu	Leu	Pro	Arg	Xaa	Pro	Met	Xaa	Thr	Lys	Xaa	Ala
			100					105					110		

Xaa	His	Glu	Pro	Pro	Ala	Trp	Asp	Pro	Val	Ala	Pro	Ile	Xaa	Pro	
		115					120					125			

<210> 8056
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8056
Glu Glu Ile Asp Lys Val Lys Ala Ser Leu Tyr Ile Ser Phe Trp Glu
1 5 10 15

Xaa Xaa Ser Xaa Xaa Xaa
20

<210> 8057
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8057
Gly Gly Gly Val Lys Lys Arg Ala Leu Trp Gly Phe Lys Pro Gly Pro
1 5 10 15

Xaa Trp Ala Gln Arg Gly Phe Xaa Pro Pro Gly Val Ser Pro Arg Gly
20 25 30

Xaa Lys Phe Phe Pro Pro Gly Gly Gly Phe Pro Gly Asn Xaa Pro Asn
35 40 45

Arg Xaa Xaa Phe
50

<210> 8058
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8058
Gly Leu Xaa Leu Asp Xaa Glu Arg Pro Xaa Phe Leu Gly Val Arg Xaa
1 5 10 15

Thr

<210> 8059
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8059
Glu Xaa Pro Glu Gly Leu Arg Pro Leu Leu Arg Gly Ser Gly Ala Trp
1 5 10 15

Arg Asp Gly Pro Pro Pro Thr Leu Tyr Pro Pro Thr Pro Glu Glu Asp
20 25 30

Gly Gly Lys Lys Ile Thr Leu Pro Ala Cys Ser Pro Ala Ala Phe Leu
35 40 45

Leu Phe Pro Leu Phe Val Leu Ser Ser Pro Cys Pro Leu Ser Ser Arg
50 55 60

Arg Arg Gly Gly Val Ala Thr Gly Leu Pro Val
65 70 75

<210> 8060
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8060
Leu Gly Glu Phe Trp Phe Trp Phe Phe Lys Ile Phe Xaa Thr Gln Asn
1 5 10 15

Asp Phe Ser Cys Phe Leu Leu Leu Thr Ile Phe Pro Asp Gly Val Gln
20 25 30

Arg Pro Leu Leu Lys Gln Leu Leu Ala Pro Leu Ala Ser Xaa Val Glu
35 40 45

Ser Phe Lys Asp Arg Thr Pro Met Phe Arg Lys Xaa Glu Xaa Gly Leu
50 55 60

Leu Gln
65

<210> 8061
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2_I >

<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8061
Cys Phe Lys Cys Cys Ser Trp Lys Ala Asp Asp Val Ser Cys Arg Arg
1 5 10 15

Trp Thr Leu Lys Asn Ile Pro Gly Asn His Gly Ser Met Xaa Ser Leu
20 25 30

Leu Xaa Ile Val Ser Ala Leu Val Leu Trp Lys Ile Tyr Leu Phe Trp
35 40 45

Cys Xaa Lys Ala
50

<210> 8062
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8062
Ala Trp Phe Arg Pro Ala Val Trp Gln Thr Met Gly Ser Leu Cys Val
1 5 10 15

Val Leu Gly Ala Gly Phe Arg Gln Tyr Leu Ala Phe Pro Trp Trp Lys
20 25 30

Ser Leu Ser Pro Pro Ala Leu Gly Arg Asn Trp Phe Leu Leu Gly Gly
35 40 45

Ala Trp Leu Leu Pro His Pro His Pro Ala Gly Thr Leu Thr Gly Ser
50 55 60

Ser Pro Asp Xaa Ser Leu Pro Xaa Pro Leu Xaa
65 70 75

<210> 8063
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8063
Gly Asn Ile Arg Ser Ser Leu Val Gln Glu Lys Gly Arg Arg Leu Arg
1 5 10 15

Gln Gln Glu Arg Leu Ser Gly Ser Lys Pro Ser Gly Xaa Xaa Xaa
20 25 30

<210> 8064
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8064
Leu Ser Phe Arg Ser Xaa Ala Ala Ala Leu Phe Phe Xaa Phe Tyr Xaa
1 5 10 15

<210> 8065
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8065
Ala Leu Val Ser Xaa Tyr Asn Gln Pro Leu Xaa Lys Xaa Cys Ile Thr
1 5 10 15

Glu Thr Pro Gly Phe Thr Glu Asn Phe Leu Arg Xaa
20 25

<210> 8066
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8066
Leu Glu Val Asp Xaa Glu Glu Ser Thr Arg Cys Tyr Pro Ala Arg Xaa
1 5 10 15

Lys Xaa Ile Leu Phe Pro Trp Phe Ser Leu Ser Leu Arg Thr Ser Tyr
20 25 30

Phe Ile Xaa Pro Ser Ser Arg Xaa Xaa Leu Leu
35 40

<210> 8067
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8067
Gln Met Arg Ser Gln Xaa Leu Lys Glu Gln Xaa Xaa Ser Tyr Lys Leu
1 5 10 15

Ala Phe Asp Phe
20

<210> 8068
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8068

Arg Phe Trp Met Ala Thr Met Arg Ser Thr Arg Leu Cys Tyr Tyr Phe
1 5 10 15

Leu Ser Phe Ala Ser Cys Val His Asn Asn Ser Lys Glu Val Thr Leu
20 25 30

Phe Ala Met His Gln Ile Xaa Met Met Xaa Phe Phe Leu Xaa Tyr Xaa
35 40 45

Ile Xaa Val Thr Val
50

<210> 8069
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8069
Ala Val Xaa Gln Thr Val Ser Asp Leu Val Xaa Pro Arg Xaa Phe Tyr
1 5 10 15

Xaa

<210> 8070
<211> 22
<212> PRT

BNSDOCID: <WO___0122920A2_I >

<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8070
Pro Ile Pro Ile Lys Val Cys Asp Leu Thr Trp Cys Ile Leu Val Xaa
1 5 10 15

Pro Gly Xaa Ala Xaa Asp
20

<210> 8071
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8071
Gly Xaa Cys Cys Cys Pro Gly Cys Pro Asn Gln Gly Val Gly Ile Arg
1 5 10 15

Asn Xaa Gly Pro Xaa Trp Glu Gly Glu Arg Arg Lys Thr

BNSDOCID <WO 0122920A2 I >

20 25

<210> 8072
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8072
Gln Leu His Ser Gln Arg Val Ala Ser Cys His Glu Gly Pro Xaa Met
1 5 10 15

Thr Thr Ser Tyr Xaa Xaa Arg Xaa Lys Arg Gly
20 25

<210> 8073
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)

BNSDOCID: <WO__ 0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8073
Xaa Gly Met Cys Tyr Xaa Xaa Tyr Gln Xaa Cys Val Met Pro Arg Ser
1 5 10 15

His Ser Met Glu Thr His Val His Ala Asp Asn Thr Xaa Thr Ala Ser
20 25 30

Leu Pro Trp Arg Ile Cys His Gly Arg Ser Trp Gln Xaa Gly Asn Ile
35 40 45

Leu Xaa Xaa Phe Pro Phe Gly Arg Gln Leu Val
50 55

<210> 8074
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8074
Phe Phe Xaa Gly Gly Gly Phe Lys Lys Lys Xaa Arg Xaa Xaa Pro Pro
1 5 10 15

Arg Gly Lys Thr Leu Xaa Lys Lys Thr Ser Trp Lys Gly Leu Phe
20 25 30

<210> 8075
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8075
Xaa Ser Gly Pro Thr Xaa Xaa Phe Leu Pro Cys Leu Arg Arg Asp Ile
1 5 10 15

Thr His Met Pro Gln Leu Ser Asp Pro Ala Xaa Leu Cys Pro Arg Pro
20 25 30

Gln Gln Arg Ser Val Glu Pro Leu Pro Pro Phe Pro Val Ile Trp Val
35 40 45

Leu Trp Ile Leu Leu Xaa Leu Glu Xaa Gly Ser Ala Leu Pro Leu Ala
50 55 60

Thr Thr Gly Lys Pro Leu Thr Val Ala Ala Leu Leu Ala Phe Cys
65 70 75

<210> 8076
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8076
Ser Phe Xaa Arg Pro Val His Thr Gly Leu Trp Glu Tyr Ile Glu Gln
1 5 10 15

Ala Ile Lys Ile Lys Gln Ala Leu Lys Lys Lys Lys Lys
20 25

<210> 8077
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8077
Asn Tyr Arg Ile Ser His Trp Xaa His Cys Gln Val Ile Xaa Xaa Asn
1 5 10 15

Asp Glu Ser Val Leu Phe Pro Xaa Asp His Lys Thr Met Asp Pro Phe
20 25 30

Cys Tyr Asp Gly Phe Lys Leu Ser Ile Val Thr Phe Tyr Ala Ile Ser
35 40 45

Xaa Tyr Lys Gly Ala Arg Thr Ser Xaa Val Phe Xaa
50 55 60

<210> 8078
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8078
Gly Ala Thr Xaa Cys Thr Gly Val Ser Lys Xaa Thr Thr Xaa Gly Asn
1 5 10 15

Phe Leu

<210> 8079
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8079
Asp Ala Trp Ala Glu Ala Xaa Glu Xaa Xaa Xaa Arg Pro Gln Gln Leu
1 5 10 15

Pro Gly Lys Ala Thr Val Leu Ala Gly Gly Cys Gly Ala Gly Pro Arg
20 25 30

Pro Leu Lys Ser Gly Arg Gln Gly Lys Glu Ser Trp Gly Arg Gly Ser
35 40 45

Pro Glu His Lys Ala Asp Ser Thr Lys Arg Lys Pro Ser Val Pro Asn
50 55 60

Lys Pro Arg Asn Gln His Pro Gln Ala Arg Met Ala Gln Thr His
65 70 75

<210> 8080
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8080
Pro Thr Arg Gly Lys Lys Arg Gly Glu Ile Lys Asn Thr Arg Gly Glu
1 5 10 15

Lys Arg Xaa Xaa Arg Lys Asn Lys Ser Ile Ser Leu Tyr Gly Arg Arg
20 25 30

Thr

<210> 8081
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8081
Xaa Ser Lys Asp Trp Thr Ser Ser Thr Met Arg His Gly Gln Arg Val
1 5 10 15

His Gly Lys Gly Leu Xaa Ser Pro Xaa Val Arg Met Met Leu Arg Leu
20 25 30

Lys Gly Pro Phe Gly Thr Glu Arg Xaa
35 40

<210> 8082
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8082
Gln Leu Gln Gly Thr Leu Glu Ser His His Xaa Lys Gly Ile Tyr Xaa
1 5 10 15

Glu Thr Xaa Xaa Gly Gly Ile Xaa Leu Gly Arg Glu Val Leu Lys Trp
20 25 30

Ala Gln Gln Lys
35

<210> 8083
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8083
Arg Pro Val Trp Pro Phe Leu Pro Leu Gln Thr His Tyr Glu Thr Pro
1 5 10 15

His Phe Ser His His Gln Leu Leu His Ser Tyr Asn Pro Cys Ala Leu
20 25 30

```
Ser Ser Leu Gly Ala Phe Ala Val Ala Ile Val Ser Ile Trp Asn Ala
         35                  40                  45

Leu Pro Pro Val Leu Pro Met Ala Asp Ser Phe Glu Ser Phe Trp Cys
     50                  55                  60

Trp Leu Asn Cys His Leu Phe Leu Glu Pro Phe Ser Asp His Pro Ser
 65                  70                  75                  80

Met Xaa Ile Ser Ser Val Ile Leu Thr Leu Cys Val Phe Phe Leu Ala
                 85                  90                  95

Val
```

<210> 8084
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8084

```
Phe Gly Ile Val Ile Asp His Ser Phe Val Cys Ile Xaa His Ser Xaa
  1               5                  10                  15

His Met Ile Ile Ser Asn Phe Val Tyr Lys Phe Ile Ser Asn Phe Val
             20                  25                  30

Gln Val Asn Leu Asn Phe Asn Thr Met Leu Lys Phe Gln Lys Pro Glu
         35                  40                  45

Lys Arg Glu Met Gln Ser Tyr Ile
     50                  55
```

<210> 8085
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8085
Leu Glu Tyr Tyr Cys Gly Ser Xaa Lys Xaa Xaa Leu Ile Gly Ser Xaa
1 5 10 15

Leu Met Glu Thr Ser His Trp Xaa
20

<210> 8086
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8086

```
Leu Leu Gly Leu Ala Leu His Lys Ala Gln Phe Leu Ser Val Xaa Glu
  1               5                  10                  15

Lys Asp Phe Asp Pro Leu Gly Ile Leu Arg Gly Gln His Val Ile Val
             20                  25                  30

Val Arg Thr His Cys Ala Leu Glu Cys Leu Phe Ile Glu Ile Ile Val
         35                  40                  45

Arg Pro Val Ile Asn Phe Lys Xaa Ile
     50                  55
```

<210> 8087
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8087

```
Leu Glu Tyr Gly Ile Ser Arg Thr Ile Trp Glu Cys Gly Gly Gly Glu
  1               5                  10                  15

Ala Val Leu Ala Pro Leu Ala Ala Val Ile His Gln Ala Pro Pro Leu
             20                  25                  30

Leu Pro Glu Gln Leu Leu Arg Val Arg Gly Thr Asp Trp Arg Arg Ser
         35                  40                  45

Arg Asn Val Val Cys Val Glu Gly Val Gly Trp Gly Val Thr Asp Xaa
     50                  55                  60

Leu Gly Gly Xaa Leu Pro Xaa Leu
 65                  70
```

<210> 8088
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8088
Cys Arg Asp Pro Ile Trp Xaa Thr Xaa Xaa Tyr Arg Glu Ser Trp Tyr
1 5 10 15

Ala Cys Arg Tyr Arg Thr Gly Xaa Xaa Gly Ser Thr His Ala Phe Glu
20 25 30

Gln Gly Gln Gly Asp Leu Pro Leu Ser
35 40

<210> 8089
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8089
Thr Val Phe Arg Pro Leu Thr Leu Glu Xaa Thr Phe Leu Ile Val Asp
1 5 10 15

Ser Cys Ser Lys Leu Xaa Gln His Ser Thr Leu Ser Arg Ser Ile Leu
20 25 30

Leu Ile Tyr Lys Gly Phe Cys Arg Phe Trp Pro Xaa Gly
35 40 45

<210> 8090
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8090
Gly Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp
1 5 10 15

Pro Arg Val Arg Phe His Ile Lys Cys Tyr Ile Thr Gln Glu Arg Glu
20 25 30

Ser Ile Ser Arg Lys Ser Ala Xaa His Pro Lys Lys Phe Lys Leu Lys
35 40 45

Cys

<210> 8091
<211> 35

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8091
Tyr Arg Gly Ser Val Val Xaa Asp Ala His Leu Asp Trp Ala Ala Ala
1 5 10 15

Xaa Glu Lys Asp Arg Xaa Xaa Glu Gln Cys Glu Lys Asp Glu Xaa Lys
20 25 30

Ile Trp Gly
35

<210> 8092
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8092
Tyr Xaa Thr Xaa Leu Glu Cys Arg Tyr Ala Cys Cys Thr Gly Pro Glu
1 5 10 15

Phe Pro Gly Arg Pro Thr Arg Pro Leu Xaa His Ile Val His Lys Ile
20 25 30

Gly Xaa Xaa Thr Xaa Thr Val Thr Met
35 40

<210> 8093
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8093
Thr Leu Gln Leu Gln Met Ile Val Glu Lys Lys Pro Gln Xaa Arg Xaa
1 5 10 15

Arg Ser Arg Arg Arg Xaa Phe Xaa Gly Gln Ala Xaa Asp Arg Gln Pro
20 25 30

Gly Asn Leu Ser Gly Pro Xaa Asp Thr Ile Arg Val Thr Ser Met Lys
35 40 45

Lys Met Leu Cys Cys Phe Leu Asn Xaa Leu Tyr Leu His Val His Met

BNSDOCID: <WO__ 0122920A2 I_>

50 55 60

Xaa His Ile Ile Gln Lys Leu Xaa Cys Ile Lys Trp Leu Xaa Thr
65 70 75

<210> 8094
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8094
Val Gly Asn Ala Ile Xaa Xaa Gly Thr Xaa Ser Arg Leu Tyr Asp Lys
1 5 10 15

Ser Thr Gly Ala Trp Pro Glu Lys Pro Ile Xaa Arg Thr Thr Phe Leu
20 25 30

Pro Leu Asp Trp Thr Ser Asp Xaa Gly Pro Ser Ile Xaa Ile Xaa Ala
35 40 45

Lys Val
50

<210> 8095
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8095
Glu Asn Lys Arg Cys Xaa Arg Gly Thr Leu Thr Phe Gly Thr His Met
1 5 10 15

His Xaa Xaa Xaa Tyr Leu Pro Xaa Trp Pro Asp Met Ser Arg Ile Val
20 25 30

Pro Gln Thr Trp His Gln Arg Ile Ala Leu Lys Glu Glu Leu Ile Gly
35 40 45

Cys Gln Ile His Lys Val Met Ile His Xaa Glu Trp Cys Xaa Xaa Lys
50 55 60

Ser Glu His Gln Phe
65

<210> 8096
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8096
Xaa Gly Thr Pro Thr Ile Gly Lys Ala Gly Thr Pro Ala Gly Thr Gly
1 5 10 15

Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Pro Thr Arg Pro Asn Ser
20 25 30

His Asn Ala Lys Tyr Thr Met
35

<210> 8097
<211> 93
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8097

```
Thr Leu Phe Ser Ala Gly Thr Thr Ser Ile His Val Leu Asn Ser Asn
  1               5                  10                  15

Ser Ala Lys Leu His Ser Ser Pro Gly Arg Ser Pro Gly Ile Asn Gly
             20                  25                  30

Ile Ser Val Gly Xaa His His Ser His Pro Ser Val Leu Gly Lys Gly
         35                  40                  45

Gly Arg Ser Pro Gln Asn His Thr Ala Glu Ile Xaa Lys Phe Cys Leu
     50                  55                  60

Lys Ser Asp Lys Val Xaa Val Ala Leu Xaa Leu Cys Lys Xaa Gly Asp
 65                  70                  75                  80

Ile Xaa Xaa Tyr Ile Ser Leu Tyr Leu His Arg Val Gln
```

85 90

<210> 8098
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8098
Gln Asn Val Cys Ala Lys Lys Gln Met His Lys His Ile Thr Ala Thr
1 5 10 15

Leu Arg His Phe Xaa Xaa Trp Thr Xaa
20 25

<210> 8099
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8099
Glu Thr His Thr Ala Gly Gln Val Asp Val Tyr Xaa Xaa Pro Phe Glu
1 5 10 15

Tyr Xaa Ile His Glu Ser
20

<210> 8100
<211> 121
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8100
Asp Leu Ile Cys Leu Gly Pro Xaa Leu Leu Glu Ser Phe Val Ala Asn
1 5 10 15

Pro Leu Ser Tyr Leu Gly Pro His Thr Leu Gly Phe Thr Ala Ala Arg
20 25 30

Ser Leu Ser Pro Pro Glu Asp Leu Pro Ala Arg Asp Leu Ala Cys Trp
35 40 45

Gly Pro Arg Leu Leu Gly Thr Ser Pro Ala Gly Asp Leu Thr Cys Trp
50 55 60

Gly Pro Trp Leu Leu Glu Ala Ala Pro Thr Glu Asp Val Gly Gly Arg
65 70 75 80

Gly Leu Tyr Leu Leu Gly Pro Ala Pro Arg Asp Leu Ala Thr Leu Asn
85 90 95

Leu Thr Cys Trp Gly Pro His Pro Gly Gly Pro Gly Pro Gly Glu Leu
100 105 110

Ala Tyr Phe Gly Ala Pro Thr Arg Glu
115 120

<210> 8101
<211> 52
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8101
Xaa Gly Asn Leu Met Glu Ala Phe Trp Xaa Xaa Cys Xaa Tyr Arg Ser
1 5 10 15

Gly Ile Pro Gly Ser Thr His Ala Ser Ala Thr Glu Arg Trp Gly Cys
20 25 30

Pro Xaa Arg Lys Ser Gly Ser Arg Glu Thr Asp Pro Leu Thr Asn Ser
35 40 45

Pro Asp Lys Leu
50

<210> 8102
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8102
Phe Pro Phe Thr Pro Ser Ser Leu Ala Leu Ala Gly Gln Cys Thr Met
1 5 10 15

Asn Trp Arg Ser Ala Gly Glu Ser Gln Ser Cys Pro Asp Ser Ala Ser
20 25 30

Pro Gln Gly Pro Leu Pro Ser Gly Leu Pro Ser Pro Ala Ile Pro Val
35 40 45

Ala Gly Lys Val Gly Leu Ala Leu Pro Pro Asp Leu Phe Pro Gln Glu
50 55 60

Gly Pro Xaa Xaa Thr Gly Ala Gly Ser Gly
65 70

<210> 8103
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8103
Arg Asp Xaa Xaa Gly Gly Xaa Leu Met Gly Lys Leu Ile Ile Gly Asn
1 5 10 15

Xaa Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr
20 25 30

Arg Pro Thr Xaa Xaa Arg Xaa Arg Ala Val
35 40

<210> 8104
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8104
Arg Gly Glu Xaa Tyr Trp Glu Gly His Ser Gly Thr Leu Ala Gly Thr
1 5 10 15

Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Arg Lys Arg Lys Arg
20 25 30

Val Gly His Arg Arg Glu Met Val His Phe Leu Thr Ala Val Leu Ile
35 40 45

Tyr Ile Ile Val Phe Leu
50

<210> 8105

<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8105
Lys Lys Phe Ile Cys Ile Tyr Ala Phe Arg Ile Ile Leu Tyr Leu Ser
1 5 10 15

Asn Leu Phe Tyr His Cys Tyr Arg Phe Leu Lys Lys Asn Leu Ser Leu
20 25 30

Ala Ser Thr Cys Gln Arg Phe Thr Ser Xaa Leu Xaa Xaa Lys Gln Val
35 40 45

Val Ala Val Xaa Ile Gly His Ala Ser Arg Gly Asn Ala Gln Tyr Lys
50 55 60

Cys Phe Xaa Leu Xaa Arg Lys Gly Pro Ile Leu Xaa Leu Lys Ser
65 70 75

<210> 8106
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8106
Ala Xaa Ile Lys Xaa Trp Xaa Gly Xaa Gly Lys Leu Lys Lys Gly Phe
1 5 10 15

Xaa Leu

<210> 8107
<211> 52
<212> PRT
<213> Homo sapiens

<400> 8107

BNSDOCID: <WO__0122920A2 I >

```
Thr Asn Cys Trp Phe Asp Ile Tyr Val Asn Ile Ser Leu Pro Cys Phe
  1               5                  10                  15

Asn Phe Ala His Ser Tyr Tyr Arg Glu Pro Ile Gly Ser Leu Leu Val
             20                  25                  30

Leu Trp Val Phe Cys Leu Lys Arg Ser His Gly Ile Cys Leu His Leu
         35                  40                  45

Pro Tyr Gln Thr
     50
```

<210> 8108
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8108

```
Ile Ser Leu Phe Phe Ser Asp Leu His Leu Cys Ser Gln Cys Leu Ala
  1               5                  10                  15

Gly Pro Ala Leu Ile Leu Gln Xaa Ile Gln Ala Leu Phe Glu Arg Leu
             20                  25                  30
```

```
Val Ile Ile Arg Cys Cys Asn Ala Ala Ser Arg Phe Phe Met Val Thr
         35                  40                  45

Trp Asp Ala Pro Ala His Leu Xaa Leu Lys Val Xaa Thr Phe Thr Pro
     50                  55                  60

Met Arg Asp Ile Xaa Ile Asn Ser Phe Phe Xaa Leu Leu Val Pro Lys
 65                  70                  75                  80

His Arg
```

<210> 8109
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8109

```
Arg Ala Cys Glu Gly Arg Phe Gln Val Trp Phe Tyr Lys Pro Val Asn
  1               5                  10                  15

Tyr Leu Leu Ser Ser Leu Thr Xaa Thr Asn Phe Ser Ser Phe Cys Cys
            20                  25                  30

Gln Xaa Val Xaa Arg Lys Glu Thr Phe Pro Ser Leu Asp Arg Ile Cys
         35                  40                  45

Leu Arg Asp Xaa Gly Thr Ile Val Phe Lys
     50                  55
```

<210> 8110
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)

BNSDOCID: <WO__ 0122920A2 I >>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8110
Asp Leu Pro Thr Glu Phe His Cys Met Met Ile Leu Leu Ser Leu Leu
1 5 10 15

Val Ala Leu Xaa Ser Xaa Xaa Lys Xaa Xaa Leu Gly Leu Val Arg Xaa
20 25 30

Ser Arg Glu Asp Phe Ser Phe Xaa Leu Xaa Arg Glu Lys Ala Phe Tyr
35 40 45

Gln His Ser Ser Ser Ser Xaa Xaa Glu Arg Leu Gln Ala Leu Arg Lys
50 55 60

Xaa Ala
65

<210> 8111
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8111
Pro Ser Xaa Arg Ala Val Arg Asn Gln Xaa Tyr Tyr Gly Xaa Ser His
1 5 10 15

Ile Thr Val Ser Ser Asn Ser Tyr Met Pro Xaa Pro Lys Met Ile Thr
20 25 30

Thr His Cys Xaa Cys Leu
35

<210> 8112
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8112
Phe Lys Gly Trp Glu Pro Arg Pro Pro Gly Gln Xaa Thr Arg Gly Ala
1 5 10 15

Ala Glu Ile Phe Ser Gly Gly
20

<210> 8113
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8113
Ala Phe Lys Asn Arg Thr Phe Tyr Thr Gly Gly Phe Ser Phe Leu Trp
1 5 10 15

Gly Gln Xaa Xaa Xaa Arg
20

<210> 8114
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8114
Glu Xaa Asn Glu Asp Gln Asp His Cys Trp Val Arg Xaa Ala Leu Xaa
1 5 10 15

Xaa

<210> 8115
<211> 38
<212> PRT
<213> Homo sapiens

<400> 8115
Gln Cys Cys Asn Thr Asp Gly Asn Ala Ile Ala Tyr Leu Lys Thr Leu
1 5 10 15

Arg Asp Leu Ile Glu Met Tyr Ile Val Phe Phe Phe Thr Ile Thr Glu
20 25 30

Leu Phe Tyr Leu Leu Cys
35

<210> 8116
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8116
Ser Thr Xaa Thr Arg Gly Gly Lys Lys Gly Xaa Gly Phe Thr Gly Xaa
1 5 10 15

Xaa Ala Lys Gly Leu Pro Gly Val Ser Pro Gly Lys Ile Phe Pro Pro
20 25 30

Gly Gly Phe Arg Asn Xaa Gln Arg Ala Xaa Ser Pro Gly Leu Val Gly
35 40 45

Asn Xaa Lys Gly Phe Ile Phe Gly Phe Gly His Xaa
50 55 60

<210> 8117
<211> 81
<212> PRT
<213> Homo sapiens

<400> 8117
Asp Asn Lys Asp Glu Val Lys His Pro Gly Tyr Pro Leu Pro Val Ile
1 5 10 15

Arg Ser Asp Val Arg His Phe Met Ser Glu Leu Ile His Leu Val Leu
20 25 30

Val Phe Gly Lys Asp Asn Val Ser His Leu Leu Val Ala Val Ala Trp
35 40 45

Arg Arg Gly Leu Thr Asn Gly Gly Gln Gly Asp His Leu Glu Phe Ala
50 55 60

Ser Cys Glu Asp Arg Cys Trp Leu Phe Thr Ile Leu Glu Gly Phe Thr
65 70 75 80

Ser

<210> 8118
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8118

Val Gly Cys Phe Leu Leu Pro Pro Leu Leu Arg Phe Pro Val Thr Gly
1 5 10 15

Ser Ser Gly Lys Pro Gly Gln Pro Thr Gln Ile Asn Glu Leu Gly Thr
20 25 30

Glu Glu Thr Ser Lys Asp Leu Gly Leu Arg Ala Glu Gly Pro Arg Trp
35 40 45

Val Gly Phe Glu Gln Gly Ala Pro Gly Pro Glu Pro Gly Ile Gly Ala
50 55 60

Ser Leu Pro Ser Lys Ser Cys Val His Pro Asn Ser Glu Ala His Ala
65 70 75 80

Thr Ala Ser Cys Ser Val Cys Glu Val Pro Gly Gly Cys Pro Gly Ala
85 90 95

Xaa Leu Xaa Arg Arg Pro Gln Xaa Arg Ala Trp Xaa Ala
100 105

<210> 8119
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8119
Thr Leu Gln Cys Tyr Thr Ser Met Leu Cys Cys Leu Leu Asn Xaa Gly
1 5 10 15

Thr Ala Val Leu Xaa Met His Met Ile Xaa Ser Glu Asn Xaa Glu Xaa
20 25 30

<210> 8120
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO 0122920A2 I >

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8120
Ala Asp Ala Trp Val Ala Leu Arg Ser Tyr Gly Ala Thr Xaa Ser Xaa
1 5 10 15

Xaa Trp Leu Xaa Ser
20

<210> 8121
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8121
Asp Gly Xaa Ile Gly Pro Xaa Ile Phe His His Xaa Ser Xaa Gly Pro
1 5 10 15

Pro Val Pro Xaa Tyr
20

<210> 8122
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8122
Lys Lys Thr Xaa Xaa Asn Glu Asn Ile Glu Lys Ile Leu Arg Lys Lys
1 5 10 15

Tyr Ile Trp Gly Gly His Xaa Xaa
20

<210> 8123
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8123
Leu Ile Xaa Xaa Asn Leu Phe Arg Ala Phe Pro Phe Xaa His Gly Gln
1 5 10 15

Pro His Cys Pro Tyr Gly Leu Xaa Lys Gly Ile Arg Ile Ser Phe Pro

20 25 30

Phe Leu Asn Ser Gly Gly Thr Ile Xaa Ala Phe Pro Thr Xaa Pro Cys
35 40 45

Leu Pro Ala Xaa Gln Gln Pro Gly Xaa Phe Xaa Met Asn Gln
50 55 60

<210> 8124
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8124
Ala Gly Asn Lys Pro Glu Leu Xaa Xaa Glu Glu Lys Xaa Tyr Lys Asn
1 5 10 15

Ala Arg Glu Arg Glu Lys
20

<210> 8125
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8125

```
Ala Pro Ala Xaa Arg Ala Ala Arg Gly Pro Ala Cys Ala Pro Ala Ser
  1               5                  10                  15

Pro Glu Ala Pro Gly Pro Thr Pro Pro Leu Leu Ser Leu Ser Ala Leu
             20                  25                  30

Ser Ala Ser Gly Ser Ala Gly Ala Arg Arg Arg Glu Pro Val Gln Gly
         35                  40                  45

Arg Gly Ser Ala Pro Xaa Pro Xaa Val Gly Leu Arg Trp Pro Xaa Xaa
     50                  55                  60

Ser Asp Ile Phe Leu Pro Ser Trp Xaa Ser Leu Glu Ile Tyr
 65                  70                  75
```

<210> 8126
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8126
Ala Trp Ile Ile Met Leu Ile His Arg Ala Leu Leu Met Ile Xaa Xaa
1 5 10 15

Xaa

<210> 8127
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8127
Gly Glu Lys Cys Pro Leu Leu Lys Leu Phe Val Thr Gly Glu Xaa Xaa
1 5 10 15

Val Phe Asp Gly
20

<210> 8128
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8128
Ala Met Ser Ala Arg Arg Xaa Gly Xaa Pro Ser Xaa Ala Leu Arg Arg
1 5 10 15

Arg Xaa Val Cys Asp
20

<210> 8129
<211> 36
<212> PRT
<213> Homo sapiens

<400> 8129
Leu Arg Cys Ala Leu Lys Tyr Ser Val Ala Tyr His Ser Thr Leu Asn
1 5 10 15

Pro Met Ile Ile Gln Leu Thr Ser Cys Cys Ser Gly Leu Val His Ile
20 25 30

Ala His Met Ile
35

<210> 8130
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8130
Thr Leu Xaa Lys Cys Tyr Leu Ile Ile Ile Leu His Xaa Asp Lys Leu
1 5 10 15

Gly Leu Ser Asn Met Asn Xaa Xaa Asn Gly Tyr Xaa
20 25

<210> 8131
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8131
Lys Tyr Asn Xaa Lys Lys His Phe Thr Tyr Gln Arg Xaa Leu Tyr Leu
1 5 10 15

Tyr Lys Arg Leu Leu Asn Glu Gly Leu Leu Asn Xaa Phe Gly Ser Ile
20 25 30

Thr

<210> 8132
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8132
Val Pro Ala Ser Asn His Pro Ala Arg Phe Leu Phe Gly Lys Ile Ser
1 5 10 15

Thr Gly Glu Pro Ser Ser Leu Pro Ser Xaa Glu Met Glu Thr Ile Gln
20 25 30

Asp Ile Lys Asn Ala Xaa Xaa Gly Gln Gln Leu Cys Xaa Val Gln Xaa
35 40 45

Met Lys Phe Ser Arg Trp Cys Ala Ser Leu Xaa Xaa Lys Ser Xaa Lys
50 55 60

Asp Arg Ser
65

<210> 8133
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2 I_ >

<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8133
Pro Pro Xaa Arg Xaa Gln Leu Xaa Ile Xaa Phe Ser Glu Val Pro Phe
1 5 10 15

Val Ser Lys Ile Gln Leu Leu Lys Phe Xaa Gly
20 25

<210> 8134
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8134
Gly Ser Lys Tyr Phe Leu Xaa Phe Ser Leu Val Phe Met Pro Ser Leu
1 5 10 15

Xaa Ile Tyr Ile Leu Ser Val Ile Ile Trp Xaa Phe Leu Xaa Val Xaa
20 25 30

Gly Ile Tyr Gln Val Val Asn Tyr Glu Tyr Leu His Leu Leu Phe Glu
35 40 45

Lys Met Thr Leu Ile
50

<210> 8135
<211> 105
<212> PRT
<213> Homo sapiens

<400> 8135
Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val Arg Pro Gly Leu Asn
1 5 10 15

Ser Cys Asp Gln Asn Ser Leu Leu Pro His Pro Ala Pro Ser Thr Ser
20 25 30

Cys Pro Leu Phe His Leu Pro Pro Ser Gln Arg Pro Gln Pro Leu Phe
35 40 45

Gln Ala Gln Gly Cys Arg Arg Gly Lys Glu Glu Thr Gly Ser Pro Glu
50 55 60

Arg Ala Lys Gly Leu Pro Arg Gly Ala Asn His Ala Pro Asp Tyr Tyr
65 70 75 80

Leu Arg Ala Phe Trp Ala Leu Thr Ser Ala Trp Pro Pro Ala His Ala
85 90 95

Leu Arg Pro Val Gly Glu Gly Trp Ser
100 105

<210> 8136
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8136
Gly Gln Pro Xaa Tyr Ala His Asp Thr Val Leu Glu Xaa Asn Gln Xaa
1 5 10 15

Xaa Xaa Val Lys
20

<210> 8137
<211> 80
<212> PRT
<213> Homo sapiens

<400> 8137
Ile Gln Leu Gly Glu Pro Ala Gly Leu Val Arg Gln His Leu Gly Leu
1 5 10 15

Cys Gln Gln Gln Glu Val Lys Arg Ser His Ser Tyr Leu Ser Leu Pro
20 25 30

Leu Pro Pro Ala Pro Cys Val Gly Thr Gln Thr Trp Arg Asp Pro Ser
35 40 45

Ala Val Asn Thr Ser Ile Leu Phe Leu Pro Lys Glu Gln Ile Pro Arg
50 55 60

His Leu Leu Leu Gly Leu Ser Arg Phe Ile Cys Arg Pro Ser Gln Arg
65 70 75 80

<210> 8138
<211> 81

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8138
Asn Xaa Xaa Xaa Xaa Xaa Asn Xaa Xaa Lys Ile Ile Tyr Lys Xaa Ser
1 5 10 15

Ser Phe Pro Xaa Xaa Lys Thr Glu Pro Lys Gly Trp Gln Asp Arg Thr
20 25 30

Leu Ser Arg Phe Leu His His Leu His Lys Phe Leu Val Asp Gly Ile
35 40 45

Leu Leu Phe Glu Gly Cys Phe Glu Ser Gly Phe His Val Leu Val Ile
50 55 60

Phe Gly Phe Leu Gly Ala Leu His Ser Ala Gly Ile Lys Gln Pro Trp
65 70 75 80

Lys

<210> 8139
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8139

```
Gly Tyr Gly Ser His Leu Ser Xaa His Cys Leu Glu His Xaa Thr Leu
  1               5                  10                  15

Pro Leu Asn Ser Leu Leu Arg Xaa Lys Xaa Ser Ala Leu Xaa Thr Pro
             20                  25                  30

Leu Ala Leu Xaa Leu Ala Ser Ala Pro Gln Gly Ser Pro Ser Ala Pro
         35                  40                  45

Leu Ala Ser Thr Pro Ile Lys Trp Thr Xaa Val Cys Lys Phe Asn Gly
     50                  55                  60

His Ser Phe Pro Pro Met Ser Gln Leu Ala Ser Ser Leu Pro Ala Leu
```

BNSDOCID: <WO 0122920A2 I >

65 70 75 80

Ile Ser Pro Xaa Xaa Xaa Pro Xaa Pro Leu Gly Leu Xaa Pro Gln Leu
85 90 95

Phe Lys Gly Ser Pro Ala Leu Asn Arg
100 105

<210> 8140
<211> 60
<212> PRT
<213> Homo sapiens

<400> 8140
Glu Asn His Val Tyr Leu Phe Pro Pro Tyr Val Lys Asp Phe Leu Leu
1 5 10 15

Val Val His Ser Ala Leu Ile Leu Tyr Ser Leu Pro Arg Arg Val Ser
20 25 30

Leu Gly Thr Ile Leu Tyr Arg Lys Gln Val Tyr Ser Asp His Ile Gln
35 40 45

Asp Lys Cys Thr Glu Glu Asn Thr Val Phe Thr Leu
50 55 60

<210> 8141
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8141
Pro Xaa Xaa Xaa Xaa Glu Xaa Cys Leu Ala Ala Xaa Xaa Val Leu Asp
1 5 10 15

Leu Xaa Ile Ala Leu Leu Glu Val Leu Lys Thr Ala Leu Xaa His Xaa
20 25 30

Gly Leu Ser Arg Gly Ile Pro Gln Ala Ala Xaa Asp Leu Tyr Lys Xaa
35 40 45

Val Tyr Xaa Ser Gln Tyr Cys Gly Phe Xaa Gln His Gly Thr Lys Leu
50 55 60

Pro Pro
65

<210> 8142
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8142
Tyr Asn Thr Ala Xaa Asp Xaa Ala Ser Ala Ser Asp Val Val Tyr Gly
1 5 10 15

Asn Val Leu Phe Gln Leu Asn Cys Asn Xaa Lys Ile Trp Pro His Pro
20 25 30

Phe Tyr Ser
35

BNSDOCID: <WO_ 0122920A2_I >

<210> 8143
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8143
Gly Pro Gly Leu Cys Glu Xaa Ile Lys Xaa Trp Trp Pro Arg Cys Ala
1 5 10 15

Cys Ser Xaa Cys Leu His Val Pro
20

<210> 8144
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8144
Pro Tyr Ile Xaa Ile Cys Tyr Thr Pro Pro Ala Pro Ser Pro Ser Glu
1 5 10 15

Thr Pro Val Pro Ser Gln Gly Gln Leu Cys Gln Thr Pro Leu Pro Gly
20 25 30

Leu Pro Ser Cys His His Lys Gln Lys Lys Lys Arg Gly Gly Pro Pro
35 40 45

Lys Xaa Xaa Xaa Ile Phe Xaa
50 55

<210> 8145
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8145
Pro Gln Lys Gly Leu Pro Leu Lys Xaa Pro Pro Glu Thr Phe Leu Thr
1 5 10 15

Leu Asn Lys Lys Gly Gly Glu Lys Lys Gly Leu Trp Gly Val Glu Pro
20 25 30

Xaa Pro Leu Trp Ala Gln Arg Gly Phe Lys Xaa Pro Gly Gly Phe Pro
35 40 45

Pro Gly Xaa Lys Xaa Phe Pro Pro Pro Arg Gly Gly Val Phe Pro Glu
50 55 60

Lys Pro Pro Pro Xaa Arg Ala Arg Xaa Phe Ser Pro Gly Phe Gly Xaa
65 70 75 80

Pro Pro Pro Phe Phe Gly Gly Xaa Ser Pro Pro Pro Pro Lys Lys Lys
85 90 95

Lys Lys Lys Phe Phe Gly
100

<210> 8146
<211> 118
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO 0122920A2 I >

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8146
Xaa Met Xaa Arg Leu Asn Cys Cys Gly Xaa Xaa Xaa Xaa Xaa Asp Xaa
1 5 10 15

Asp Asp Ser Pro Tyr Phe Thr Tyr Asn Arg Ser Phe Thr Pro Ile Leu
20 25 30

Leu Val Ile Thr Ile Ser Pro Xaa His Pro Xaa Xaa Pro Val Pro Leu
35 40 45

Arg Lys Asp His Asp Gln Xaa Ser Ile Gly Xaa Leu Leu Xaa Thr Phe
50 55 60

Cys Xaa Thr Ser Glu Leu Met Xaa Xaa Xaa Gly Val Val Leu Ala Val
65 70 75 80

Gly Ile Xaa Gly Leu Glu Leu Ala Ala Met Ile Xaa Ser Xaa Xaa Leu
85 90 95

Leu Leu Gln Ser Thr Xaa Asn Pro Leu Thr Ala Ser Ala Thr Asn Gly
100 105 110

Cys Pro Pro Gly Asn Ser
115

<210> 8147
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8147
Thr Pro Gly Gly Ser Pro Gly Gly Lys Asn Phe Pro Pro Pro Gly Gly
1 5 10 15

Val Ser Gly Lys Pro Pro Gln Pro Gly Pro Gly Ser Pro Gly Lys Pro
20 25 30

Pro Lys Lys Ile Phe Lys Lys Xaa Ile Trp Gly Phe Lys Lys Glu Thr
35 40 45

Pro Phe Pro Trp Glu Arg Xaa Pro Pro Lys Xaa Xaa Phe Phe Phe Gly
50 55 60

Phe Pro Pro Gln Ile Pro Phe Pro Leu Thr Pro Pro Pro Leu Ser Xaa
65 70 75 80

Pro Lys Thr Leu Gly Pro Phe Leu Thr Gln Gly Lys Asn Trp Gly Glu
85 90 95

Ile Pro Asn Trp Val Ser Pro Pro Pro Leu Phe Xaa Phe Gly Phe Trp
100 105 110

Xaa Arg Gly Leu Gly Asn Pro Lys Pro Phe Leu Lys Xaa Xaa Gly Pro
115 120 125

Phe Phe Pro Pro Leu Xaa Pro Phe Pro Pro Phe Trp Xaa Xaa
130 135 140

<210> 8148
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8148
Gln Arg Arg Ala Ala Glu Gly Gly Gly Val Ser Asn Pro Pro Ala Leu
1 5 10 15

Arg Lys Asn Gly Ala Leu Leu Ile Ser Pro Leu Pro Phe Ser Pro Ala
20 25 30

BNSDOCID: <WO _ 0122920A2 I >

```
Pro Arg Thr Gly Pro Leu Leu Gly Gly Ala Val Gly Pro Arg Leu Ala
         35                  40                  45

His Thr Glu Asn Val Arg Thr Thr Asn Lys Ile Ser Ile Lys Leu Asn
     50                  55                  60

Phe Val Ser Lys Lys Lys Lys Lys Gly Arg Pro Xaa
 65                  70                  75
```

<210> 8149
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8149
Thr Pro Xaa Gly Val Ser Pro Gly Gly Glu Xaa Ile Phe Pro Pro Pro
1 5 10 15

Gly Gly Gly Phe Xaa Gly Lys Thr Pro Pro Lys Pro Gly Pro Gly Phe
20 25 30

Pro Pro Gly Pro Leu Gly Gly Phe Lys Xaa Leu Gly Gly Pro Xaa Thr
35 40 45

Gln Xaa Arg Pro Pro Phe Gly Gly Pro Lys Xaa Pro Xaa Val Leu Xaa
50 55 60

Xaa Xaa Pro Pro Gly Pro Leu Lys Thr Pro Xaa Pro Pro Arg Glu Thr
65 70 75 80

Asn Pro Leu Ser Pro Pro Ser Gln Pro Pro Thr Lys Pro Xaa Xaa Lys
85 90 95

Pro Pro Phe Gly Lys Xaa Gly Lys Xaa Lys Gly Glu Gly Gly Gly Leu
100 105 110

Gly Xaa Lys Pro Leu Gly Gly Ile Xaa Gly Phe Trp Ala Gln Xaa Gly
115 120 125

Glu Glu Thr Ser Lys Gly Ser Leu
130 135

<210> 8150
<211> 149
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (135)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (137)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (143)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (149)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8150
Thr Xaa Pro Leu Gly Pro Arg Xaa Xaa Asn Pro Gly Gly Phe Pro Gly
1 5 10 15

Gly Xaa Asn Phe Pro Pro Arg Gly Gly Phe Pro Xaa Thr Pro Pro Asn
20 25 30

Arg Ala Gly Phe Pro Arg Glu Arg Gly Pro Asn Phe Pro Pro Pro Pro
35 40 45

Phe Ser Gln Pro Lys Asn Gln Arg Phe Lys Xaa Lys Xaa Thr Pro Xaa
50 55 60

Asn Xaa Thr Xaa Gly Leu Gly Lys Thr Phe Phe Leu Gly Gly Gly Glu
65 70 75 80

Thr Phe Ser Leu Gly Lys Xaa Asn Ser Gln Gly Pro Gly Ser Pro Phe
85 90 95

```
Asn Pro Gln Lys Gly Lys Pro Pro Pro Lys Gly Pro Pro Gln Lys Pro
            100                 105                 110

Phe Gln Lys Gly Pro Leu Thr Gln Gly Pro Lys Xaa Gln Gly Pro Thr
        115                 120                 125

Xaa Phe Pro Pro Gln Lys Xaa Pro Xaa Gly Pro Trp Xaa Pro Xaa Thr
    130                 135                 140

Lys Val Ser Asn Xaa
145
```

<210> 8151
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8151

```
Ala Gly Arg Gly Leu Asn Ser Gly Gly Gly Ser Gly Ala Gly Cys Asp
  1               5                  10                  15

Thr Lys His His Gln Ile Gly Gly Gly Met Trp Gly Lys Asn Arg Ser
            20                  25                  30

Leu Xaa Glu Gln Ser His Pro Arg Gln Ala Gly Ala Pro Glu Trp Ile
        35                  40                  45

Glu Xaa Val Val Pro Glu Leu Gly Ser Leu Gly Arg Thr Xaa Xaa Leu
```

50 55 60

Glu Met Lys Pro Gly Val Leu
65 70

<210> 8152
<211> 166
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8152
Ile Lys Gly Gly Glu Lys Lys Ala Leu Gly Val Gly Pro Pro Pro Phe
1 5 10 15

Gly Pro Arg Xaa Phe Asn Pro Xaa Gly Phe Pro Arg Gly Xaa Xaa Phe
20 25 30

Ser Pro Pro Gly Gly Val Ser Arg Lys Pro Pro Gln Thr Gly Pro Gly
35 40 45

Phe Pro Arg Xaa Lys Gly Pro Leu Ile Ser Xaa Xaa Xaa Lys Xaa Lys

```
     50                  55                  60

Xaa Pro Xaa Pro Asn Xaa Pro Leu Gly Phe Leu Gly Lys Xaa Trp Glu
 65                  70                  75                  80

Lys Lys Gly Leu Gly Gly Xaa Ile Trp Pro Xaa Lys Xaa Asn Xaa Lys
                 85                  90                  95

Xaa Phe Phe Leu Asn Phe Xaa Xaa Xaa Phe Gly Phe Phe Pro Leu Phe
            100                 105                 110

Gly Phe Pro Xaa Asn Pro Trp Ala Leu Phe Phe Xaa Xaa Phe Ser Pro
        115                 120                 125

Pro Pro Phe Leu Gly Leu Gly Leu Ala Leu Gly Phe Pro Lys Lys Xaa
    130                 135                 140

Phe Phe Leu Gly Gly Leu Ile Ser Gln Xaa Lys Lys Asn Leu Lys Lys
145                 150                 155                 160

Pro Asn Phe Trp Glu Lys
                165
```

<210> 8153
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8153

His Arg Pro Lys Gly Phe Leu Xaa Ile Xaa Gly Thr Phe Asn Leu Asn
1 5 10 15

Lys Gly Gly Lys Lys Gly Phe Gly Val Gly Pro Xaa Pro Trp Ala Lys
20 25 30

Xaa

<210> 8154
<211> 108
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8154
His Val Ala Cys Gly Leu Leu Trp Ile Tyr Leu Ser Pro Ser Ala His
1 5 10 15

Leu Asn Leu Asp Gly Val Gly Gln Met Xaa Glu His Leu Gly Tyr Ala
20 25 30

Phe Phe Lys Val Ile Phe Phe Lys Asn Cys His Met Xaa Phe Val Glu
35 40 45

Leu Trp Asn Leu Leu Leu Cys Leu Gly Leu Trp Thr Val Asn Asn Ile
50 55 60

Phe Leu Lys Ile Cys Thr Ile Ala Xaa Arg Val Leu Leu Ser Lys Val
65 70 75 80

Leu Leu Thr Leu Ile Phe Xaa Val Xaa Ala Trp Xaa Pro Leu Gln Xaa
85 90 95

Thr Phe Ser Leu Leu Asn Trp Leu Pro Cys Leu Phe
100 105

<210> 8155
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8155
Asn Xaa Phe Xaa Asp Phe Val Val Phe Leu Ile Lys Asn Lys Gly Phe

1 5 10 15

Xaa Xaa Pro Phe Phe
20

<210> 8156
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8156
Lys Leu Arg His Xaa His Phe Leu Pro Met Trp Ser Leu Xaa Thr Trp
1 5 10 15

Glu Thr Ile His Glu Val Tyr Ile Leu Tyr Gly Asn Ile Val Ile Ala
20 25 30

Gln Xaa Gln
35

<210> 8157
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8157
Arg Lys Leu Val His Tyr Ile Phe Pro Asp Gln Ala Gly Xaa Glu Gln
1 5 10 15

Xaa Val His Ile Tyr Xaa
20

<210> 8158
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8158
Pro His Phe Pro Ala Gly Ile Xaa Lys Xaa Thr Arg Val Pro Arg Met
1 5 10 15

Gly Phe Cys Phe Leu Lys Lys Lys Lys Glu Gly Xaa Leu Xaa Gly Leu
20 25 30

Lys Phe Ala Trp Xaa Ser Ile Arg Xaa Arg Ile Leu Cys Pro Ser Xaa
35 40 45

<210> 8159
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8159
Ala Xaa Val Xaa Thr Leu Leu Arg Lys Ala Xaa Tyr Gly Leu Gln Val
1 5 10 15

Xaa Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Ser Arg Xaa Ala
20 25 30

<210> 8160
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8160
Phe Phe Gly His Xaa Pro Pro Phe Phe Phe Leu Ser Xaa Xaa Pro Pro
1 5 10 15

Phe Phe Phe Lys Lys Lys Lys Gly Gly Ala Pro Pro Pro Phe Xaa Gly
20 25 30

<210> 8161
<211> 33

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8161
Xaa Phe Gly Xaa Xaa Pro Pro Phe Phe Leu Ile Xaa Xaa Pro Pro Phe
1 5 10 15

Phe Leu Lys Lys Lys Gly Gly Ala Pro Pro Leu Phe Trp Gly Xaa Pro
20 25 30

Lys

<210> 8162
<211> 34
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8162
Xaa Pro Pro Phe Phe Phe Lys Lys Lys Lys Xaa Ile Phe Phe Xaa Phe
1 5 10 15

Phe Phe Trp Gly Ala Pro Pro Pro Pro Phe Xaa Phe Lys Lys Lys Lys
20 25 30

Lys Lys

<210> 8163
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8163
Gln Arg Lys Xaa Gly Thr Ala Gln Val Pro Xaa Arg Asn Ser Arg Val
1 5 10 15

Asp Pro Arg Val Arg Gln Gly Leu Gly Ala Ala Xaa Pro Leu Leu His
20 25 30

Pro Asp Gln Val Pro Xaa Xaa Leu Pro Ala Phe Phe His Leu Lys Lys
35 40 45

His Pro Pro Ser Pro Phe Asp Leu Xaa Glu Pro Pro Gly Xaa
50 55 60

<210> 8164
<211> 53
<212> PRT
<213> Homo sapiens

<400> 8164
Lys Lys Cys Lys Leu Ser Leu Tyr Phe Asn Ile Cys Tyr Ser Leu Met
1 5 10 15

Asn Arg Asn Leu Cys Arg Arg Lys Gln Asn Thr Phe Thr His Leu Lys
20 25 30

Arg Glu Tyr Asn Ile Leu Cys His Tyr Asn Leu Leu Phe Phe Lys Leu
35 40 45

Val Tyr Ile Leu Leu

BNSDOCID: <WO 0122920A2 I >

50

<210> 8165
<211> 72
<212> PRT
<213> Homo sapiens

<400> 8165
Phe Thr Leu Thr Thr Ser Phe Ala Phe Leu Glu Ala Met Gln Tyr Arg
1 5 10 15

Arg Asp Tyr Arg Val Asn Leu Leu Phe Thr Asn Glu Ala Lys Arg Ser
20 25 30

Leu Ile Gly Ser Gln Ser Cys Ser Ser Tyr Cys Pro Pro Leu Tyr Ser
35 40 45

Gln Met Gln Asp Asn Cys Ile Leu Val Leu Phe Cys Gly Gly Ala Glu
50 55 60

Tyr Leu Leu Phe Leu Ser Asn Pro
65 70

<210> 8166
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8166
Xaa Val Trp Tyr Pro Cys Xaa Tyr Arg Ser Gly Xaa Pro Gly Ser Thr
1 5 10 15

His Ala Ser Gly Arg Xaa Arg Glu Val Val Lys Tyr Val Leu Phe Gly
20 25 30

Pro Gly

<210> 8167
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8167
Tyr Xaa Xaa Glu Asp Leu Gln Lys Pro Ala Arg Gly Tyr Asp Gly Lys
1 5 10 15

Lys Gln Met Lys Xaa Gly Gln Ala
20

<210> 8168
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8168
Ala Thr Ala Pro Cys Cys Pro Xaa Pro Pro Leu Leu Pro Leu Ser Asn
1 5 10 15

Asp Leu Leu Cys Pro Xaa Ser Gln Xaa Leu Leu Asp Pro Glu His Leu
20 25 30

Glu Gln Pro Ala Gly Gly Phe Gly Arg Leu Thr Leu Val Val Leu Ile
35 40 45

Ser Trp Leu His Ser Ser Gln Trp Xaa Glu Pro Ala Xaa Xaa Leu Ser
50 55 60

His Arg Glu Leu Glu Gln Lys Ser Cys Xaa Ser Asn Ser Trp Xaa Trp
65 70 75 80

Thr Pro

<210> 8169
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8169
Lys Val Lys Phe Leu Glu Asp Lys Asn Ser His Pro Xaa Gly Ala Phe
1 5 10 15

Xaa Arg Ile

<210> 8170
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8170
Phe Cys Ala Leu Lys His Trp Arg Glu Arg Ile Arg Ile Glu Trp Glu
1 5 10 15

Thr Xaa Phe Ala Gln Xaa Phe Xaa Gly Ile Gly Ala Xaa
20 25

<210> 8171
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8171
Asp Val Lys Ile Gln Tyr Lys Leu Glu Glu Phe Cys Ile Ile Ile Ile
1 5 10 15

Ile Gln Asn Ile Gly Arg Val His Asn Val Ile Lys Cys Xaa Ser Xaa
20 25 30

Ser Asn Glu Xaa Thr Phe Asp Lys Leu Leu Leu Lys Met Leu Pro Phe
35 40 45

<210> 8172
<211> 57
<212> PRT

BNSDOCID: <WO___0122920A2_I_>

<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8172
Glu Xaa Ser Ser Ile Xaa Leu Gly Xaa Tyr Pro Cys Arg Tyr Thr Val
1 5 10 15

Arg Asn Ser Arg Val Asp Pro Arg Val Arg Val Val Pro Pro Asn Ile
20 25 30

Ser Gln Ala Ser Thr Lys Ala Leu Ser Ser Ser Val Arg Val Trp Thr
35 40 45

Gly Phe Thr Gly Pro Xaa Xaa Ile Asp
50 55

<210> 8173
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8173
Pro Gly Asp Pro Cys Cys Glu Ala Lys Gly Gly Met Thr Arg Gly Gly
1 5 10 15

Lys Xaa Ser Xaa Arg Thr
20

<210> 8174
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8174
Gly Gly Cys Gly Xaa Leu Gly Ala Phe Lys Asn Ser Asn Phe Xaa Pro
1 5 10 15

Val Asn Pro Xaa Gly His Trp Ala Xaa Lys Xaa Lys Gly Ile Leu Xaa
20 25 30

Trp Leu Trp Glu Arg Phe Val Lys Asn Gly Glu Pro Gly Phe Lys Ile
35 40 45

Lys Pro Trp Xaa Phe Phe Lys Pro Lys Gly Lys Xaa Gly Phe Phe Xaa
50 55 60

Leu Lys Lys Xaa Lys Leu Leu Gly Pro
65 70

<210> 8175
<211> 41
<212> PRT
<213> Homo sapiens

<400> 8175
Ala Ser Ser Ser Arg Asp Pro Arg Thr Pro Ala Gly Pro Gly Leu Gly
1 5 10 15

Val Asn Arg Ala Ser Val Ser Ala Ser Ile Pro Phe Ala Phe Gly Asn
20 25 30

Phe Ser Cys His Leu Phe Met Asn Ile
35 40

<210> 8176
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8176
Xaa Thr Ile Trp His His Phe Gly Gly Phe Trp Lys Ile Xaa Pro Xaa
1 5 10 15

Xaa

<210> 8177
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8177
Thr Ser Glu Val Ser Ser Cys Trp Gly Gln Asp Pro Cys Leu Val Ser
1 5 10 15

```
Met Ala Gly Lys Ala Val Ser Leu Pro Ser Cys Gly His Gln Pro Gln
             20                  25                  30

Pro Pro Ser Gly Gly His Pro Gly Ser Ile Ser Pro Gly Glu Lys Tyr
         35                  40                  45

Arg Ser Phe Thr Phe Pro Gly Tyr Xaa Pro Ser Arg Asn Val His Arg
     50                  55                  60

Glu Ser Gly Asn Leu Trp Ser
 65                  70
```

<210> 8178
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8178
Gln Ala Pro Gln Glu Asp Gly Pro Trp Thr Lys Ala Val Thr Pro Pro
1 5 10 15

Val Lys Asp Asp Asn Glu Asp Val Phe Ser Ala Arg Ile Gln Lys Met
20 25 30

Leu Gly Ser Cys Val Ser His Ala Thr Phe Asp Asp Asp Leu Pro Gly
35 40 45

Val Xaa Asn Leu Ser Glu Phe Lys Lys Leu Pro Glu Met Ile Arg Pro
50 55 60

Xaa Ser Ala Ile Ser Ser Phe Xaa Val Arg Ser Pro Gly Pro Xaa Pro
65 70 75 80

Gln Gly Leu Leu Ala Xaa Leu Cys Lys Arg His Thr Asp Ser Xaa Ser
85 90 95

Ser Asp Met Gln Ala Cys Ser Gln Asp Lys Ala Lys Ile Xaa Leu Gly
100 105 110

Ser Ser Ile Asp Ser Val Ser Glu Met Ala Ser Ser
115 120

<210> 8179
<211> 35
<212> PRT
<213> Homo sapiens

<400> 8179
Pro Asn Ile Ser Pro Leu Ile Gly Ile Phe Ser Lys Asn Gln Leu Ile
1 5 10 15

Thr Cys Val Leu Asp Leu Val Ile Cys Ala Pro Gly Arg His Thr Phe
20 25 30

Ser Trp Phe
35

<210> 8180
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8180
Glu Thr Tyr Leu Ile Met Xaa Xaa Met Glu Ile Thr Leu Xaa Leu Xaa
1 5 10 15

Tyr

<210> 8181
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8181
Trp Xaa Ser Leu Ala Leu Xaa Xaa Lys Cys Met Pro Trp Met Asp Xaa
1 5 10 15

Met Ser Tyr Ser Ser Tyr Gly Glu Tyr Asp Ala Trp Ala His Ile
20 25 30

<210> 8182
<211> 152
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (152)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8182
Gly Arg Gln Leu Pro Arg Ser Arg Arg Ser Arg Val Phe Ala Asp Arg
1 5 10 15

Pro Thr Lys Ser Ser Met Arg Ser Ala Ala Lys Pro Trp Asn Pro Ala
20 25 30

Ile Arg Ala Gly Gly His Gly Pro Asp Arg Val Arg Pro Leu Pro Ala
35 40 45

Ala Ser Ser Gly Met Lys Ser Ser Lys Ser Ser Thr Ser Leu Ala Phe
50 55 60

```
Glu Ser Arg Leu Ser Arg Leu Lys Arg Ala Ser Ser Glu Asp Thr Leu
 65                  70                  75                  80

Asn Lys Pro Gly Ser Thr Ala Ala Ser Gly Val Val Arg Leu Lys Lys
                85                  90                  95

Thr Ala Thr Ala Gly Ala Ile Ser Glu Leu Thr Glu Ser Arg Leu Arg
            100                 105                 110

Ser Gly Thr Gly Ala Phe Thr Thr Thr Xaa Arg Thr Gly Ile Pro Ala
        115                 120                 125

Pro Arg Glu Phe Ser Val Thr Ala Gln Xaa Arg Gly Leu Val Pro Arg
    130                 135                 140

Gly Pro Ser Asn Leu Xaa Lys Xaa
145                 150
```

<210> 8183
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8183

```
Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro Pro Val Thr Trp Xaa
  1               5                  10                  15

Ile Asn Leu Xaa Gly Ile Cys
            20
```

<210> 8184
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8184
Xaa Val Thr Leu Val Thr Gly Xaa Val Pro Arg Trp Xaa Arg Ala Ala
1 5 10 15

Ala Ala Arg Asp Ala Xaa Glu Glu Ala
20 25

<210> 8185
<211> 50
<212> PRT
<213> Homo sapiens

<400> 8185
Asn Ile Arg Thr Leu Cys Phe Thr Lys Asn Asp Glu Arg Ile Leu Pro
1 5 10 15

His Val Leu Leu Cys Leu Glu His Phe Tyr Gly Pro Lys Arg Trp Arg
20 25 30

Arg Cys Cys Met Ser Ala Gly Phe Phe Phe Ser Tyr Thr Arg Ala Arg
35 40 45

Lys Asn
50

<210> 8186
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8186
Xaa Tyr Pro Trp Thr Ile Arg Leu Leu Arg Glu Ser Trp Tyr Ala Cys
1 5 10 15

Arg Tyr Arg Ser Gly Ile Pro Gly Ser Xaa His Ala Xaa Xaa Tyr Ile
20 25 30

Xaa Xaa

<210> 8187
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8187
Asn Ser His Xaa Leu Phe Gly Lys Leu Pro Ala Cys Arg Xaa Arg Xaa
1 5 10 15

Gly Ile Pro Gly Ser Xaa His Ala Phe Xaa Thr Asp Ala
20 25

<210> 8188
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8188
Ser Val Cys Asn Leu Ala Tyr Val Asn Ala Val Met Lys Leu Val Cys
1 5 10 15

Ser Ser Ile Thr Val Val Phe Lys His Ser Phe Ser Glu Ile Val Ile
20 25 30

Xaa Xaa Ser Val Leu Met Cys Ala Ser Xaa Xaa Phe Thr Cys Phe Ser
35 40 45

Pro Gly Ile Xaa Lys Trp Arg
50 55

<210> 8189
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8189
Ala Arg Xaa Ile Thr Thr Pro Val Xaa Xaa Val Leu Ile Lys Tyr Leu
1 5 10 15

Val Ser Trp Gly Leu
20

BNSDOCID: <WO___0122920A2 I >

<210> 8190
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8190
Xaa Arg Ile Lys Ser His Glu Phe Leu Val Lys Asn Phe Ala Ala Leu
1 5 10 15

Leu Leu Gly Gly Gly Gly Gly Gln Tyr Thr Thr Glu Met Xaa Tyr Xaa
20 25 30

Lys Xaa Xaa
35

<210> 8191
<211> 186
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (134)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (168)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (181)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (182)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8191

```
Pro Gly Leu Gly Arg Phe Pro Leu Pro Ser Arg His Phe His Gly Pro
  1               5                  10                  15

Ser Cys Pro Glu Thr Arg Leu Gln Asn Pro Thr Arg Pro Glu Trp His
             20                  25                  30

Leu Pro Ser Gln Arg Gly Ala Phe Ala Lys Ser Thr Pro Thr Ala Gly
         35                  40                  45

Arg Gln Ala Arg Ala Trp Lys Ser Lys Arg Gly Pro Ala Cys Pro Ala
     50                  55                  60
```

```
Pro Trp Ser Leu Gly Phe Thr Thr Arg His Arg Gln Asn Pro Gly Gly
 65                  70                  75                  80

Asp Thr Gly Gly Lys Gly Pro Asn Gly Ala Arg Ala Gly Cys Cys Val
                 85                  90                  95

His Pro Leu Ala Leu Ala Trp Pro Trp Leu Pro Ala Ser Pro Leu Ala
            100                 105                 110

Gly Asp Thr Val Cys Arg Gln Ser Pro Ser Leu Gly Cys Lys Ala Phe
        115                 120                 125

His Thr Arg Xaa Xaa Xaa Arg Glu Asp Pro Gly Xaa Gly Pro Gly Lys
    130                 135                 140

Pro Cys Met Leu Gly Thr Gln Val Val Leu Gly Lys Gly Gln Ala Trp
145                 150                 155                 160

Lys Gly Gly Gln Val Pro Lys Xaa Asn Val Thr Gly Leu Gly Ile Phe
                165                 170                 175

Leu Xaa Ala Leu Xaa Xaa Lys Ser Leu Lys
            180                 185
```

<210> 8192
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8192

```
Glu Pro Arg Leu Trp Lys Met Xaa Arg Arg Ile Trp Gly Trp Asn Asp
  1               5                  10                  15
```

BNSDOCID: <WO__0122920A2_I_>

Leu Met Glu Xaa Asn Thr Xaa
20

<210> 8193
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8193
Ala Gln Gly Leu Leu Leu Pro Ser Pro Xaa Pro Pro Arg Xaa Gly Leu
1 5 10 15

Ile Gly Gln Lys Leu Gln Xaa Xaa Leu Xaa Cys Leu Gln
20 25

<210> 8194
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8194
Lys Ile Val Arg Ala Lys Leu Thr Ser Gly Thr Glu Thr Ser Ala Gln
1 5 10 15

Arg Ser Asn His Gln Ile Ile Leu Asn Thr Asn Leu Ile Phe Phe Phe
20 25 30

Leu Asn Glu Lys His Glu Gly Asn Cys Gly Val Ser Leu Leu Trp Ser
35 40 45

Xaa Pro Pro Val Val Xaa Gly Ile Glu Glu Asn Ile Asn Thr Leu Thr
50 55 60

Pro Phe Phe Asn Leu Cys His Leu Lys Val Leu Ala
65 70 75

<210> 8195
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8195
Lys Gln Ile Phe Leu Lys Arg Tyr Phe Cys Asn Leu Xaa Asn Leu Xaa
1 5 10 15

Phe Lys Ser Tyr Phe Ala Leu Gly Lys Ser Phe Gly Xaa Cys Ser Cys
20 25 30

Phe Xaa Trp Phe Thr Cys Xaa Pro Ser Ser Pro Lys Xaa Phe Gly Leu
35 40 45

Xaa

<210> 8196
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8196
Arg Tyr Leu Ser Ser Glu Leu Lys Leu Pro Leu Ile Leu Ile Tyr Leu
1 5 10 15

Ser Ile Gly His Trp Pro Phe Phe Ser Lys Tyr Ser Ile Lys Trp Glu
20 25 30

Phe Ser Gly Arg Trp Val Ser Tyr Glu Val Ile Gly Val Cys Leu Ile
35 40 45

Ile Cys Asn Ser Asn Met Leu Tyr Phe Leu Lys Ser Met Gly Lys Xaa

50 55 60

<210> 8197
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8197
Xaa Val Ser Phe Asp Leu Xaa Leu Thr Ser Val Ser Phe Phe Lys Pro
1 5 10 15

Phe Met Ala Arg Val Ser Thr Ile Pro Ile Lys Glu Phe Ser Xaa His
20 25 30

Pro Arg Ile His Lys Cys Val Leu Xaa His Ser Val Ile Arg His Gln
35 40 45

Glu Leu Pro Leu Ile His Xaa Asp Phe Thr Tyr Xaa Asn Xaa
50 55 60

<210> 8198
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8198
Gly Xaa Trp Pro Ala Cys Arg Tyr Arg Ser Gly Ile Ser Gly Ser Xaa
1 5 10 15

Tyr Ala Thr Xaa Leu Arg Pro Gly Asp Asn
20 25

<210> 8199
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8199
Glu Glu Arg Glu Xaa Xaa Arg Pro Xaa Gly Ala Glu Gln Asn Gln Gly
1 5 10 15

Thr Gln Gln Thr Lys Glu Arg Xaa Arg Arg Thr Gly Pro Asn Pro Thr
20 25 30

Arg Xaa Ala Lys Lys Pro Glu Xaa Xaa Arg Thr Arg Xaa Ala
35 40 45

<210> 8200
<211> 87
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO__ 0122920A2 I >

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8200
Xaa Leu Lys Ala Arg Pro Ala Arg Thr Xaa Arg Arg Xaa Arg Cys Xaa
1 5 10 15

Arg Pro Pro Arg Asn Pro Arg Gln Arg Arg Ser Xaa Trp Arg Thr Arg
20 25 30

Ala Gln Gly Leu Ala Arg Arg Arg Arg Xaa Xaa Arg Xaa Pro Arg Thr
35 40 45

Pro Arg Xaa His Arg Thr Pro Arg Ile Gln Arg Xaa Xaa Gly Pro Xaa
50 55 60

Trp Pro Arg Trp Ile Pro Arg Thr Xaa Arg Pro Ala Arg Ala Arg Trp
65 70 75 80

Ala Pro Trp Gly Lys Gly Pro
85

<210> 8201
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8201
Asn Trp Ala Thr Xaa Val Asn Pro Arg Gly Val Xaa Pro Gly Gly Lys
1 5 10 15

Lys Xaa Ser Pro Arg Gly Gly Val Xaa Gly Lys Xaa Leu Gln Thr Gly
20 25 30

Pro Gly Phe Xaa Thr Gly Xaa Phe Phe Gly Lys Xaa Lys Leu Val Lys
35 40 45

Leu Gly Gly Gln Leu Lys Gly Pro Phe Phe Leu Asn Gln Arg Gly Xaa
50 55 60

Thr Xaa Met Gly Ala Gln Met Gly Phe Leu Lys Gly Gly Pro Lys Arg
65 70 75 80

Val Lys Phe Pro Lys Lys Gly Xaa
85

<210> 8202
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8202
Val Xaa Phe Leu Ser His Asp Tyr Leu Thr Ala Lys His Leu Ile Gly
1 5 10 15

Leu Leu Leu Tyr His
20

<210> 8203
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)

BNSDOCID: <WO_. 0122920A2_1 >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8203
Gly Pro Glu Phe Xaa Gly Arg Pro Thr Arg Pro Gly Phe Gln Xaa Xaa
1 5 10 15

Leu Ala Leu Ile His Phe Gln Xaa Asp Xaa Gln Gln Ala Phe Phe Pro
20 25 30

Gln Glu

<210> 8204
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO 0122920A2 I >

<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8204
Asn Xaa Glu Pro Leu Ala Xaa Thr Pro Gly Lys Ser Xaa Gln Thr Phe
1 5 10 15

Pro Glu Xaa Cys Pro Ala Cys Arg Tyr Arg Xaa Xaa Asn Ser Arg Val
20 25 30

Xaa

<210> 8205
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8205
Val Gly Glu Pro Leu Arg Xaa Thr Pro Gly Glu Ser Pro Xaa Xaa Phe
1 5 10 15

Pro Glu Asn Ser Pro Ala Gly Arg Xaa Thr Val Arg Xaa Xaa Arg Val
20 25 30

Xaa

<210> 8206
<211> 68
<212> PRT
<213> Homo sapiens

<400> 8206
Ser Phe Arg Ile Met Glu Thr Trp Asn Trp Asn Thr Val Leu Val Ala
1 5 10 15

Phe Arg Thr Ile Ser Thr Arg Gln Gln Asp Thr Pro Thr Arg Ala Val
20 25 30

Cys Leu Arg His Phe Leu Lys Pro Lys Ser Asn Lys Lys Ala Gln Leu
35 40 45

Lys Asn Met Ala Ala Ser Leu Thr Phe Pro His Tyr Val Ala Phe Glu
50 55 60

Phe Leu Asn Ser
65

<210> 8207
<211> 51

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8207
Xaa Ala Ala Ser Val Ile His Ala Leu Pro Gly Pro Ser Thr His Cys
1 5 10 15

Cys Glu Cys Ala Ser Pro Glu Pro Val Lys Arg Gln Leu Ser Ile Leu
20 25 30

Glu Thr Gln Ile Ile Arg Ala Leu Pro Cys Thr Glu Glu Lys Gly Ser
35 40 45

Thr Arg Pro
50

<210> 8208
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8208
His Trp Asp Phe Xaa Arg Leu Tyr Ser Tyr Ile Val Pro Ile Ile Leu
1 5 10 15

Xaa Val Leu Thr Asn Ser Phe Ile Xaa Ile Arg Thr Lys Trp Lys Asn
20 25 30

Arg Lys Val Gly

<210> 8209
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8209
Xaa Arg Arg His Leu Leu Thr Leu Lys Glu Gly Thr Leu Pro Leu Gln
1 5 10 15

Val Pro Val Arg Asn Ser Arg Xaa Xaa Pro Arg Xaa Xaa Lys Asn Xaa
20 25 30

Lys

<210> 8210
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8210
Leu Gln His Ala Arg His Ile Val Glu Xaa Xaa Thr Pro Cys Thr Tyr
1 5 10 15

Arg Ser Gly Xaa Pro Gly Ser Thr His Ala Phe Xaa Thr Met Xaa Glu
20 25 30

Gly

<210> 8211
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2_I_>

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8211
Arg Phe Xaa Thr Leu Xaa Ser Gly Thr Pro Pro Gly Thr Gly Pro Glu
1 5 10 15

Phe Pro Gly Arg Pro Thr Xaa Pro Xaa Xaa Xaa Ser Asn Gln Lys Lys
20 25 30

Lys

<210> 8212
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8212
Ser Glu Xaa Ala Gly Pro Leu Arg Ala Gly Gly Glu Xaa Glu Ser Leu
1 5 10 15

Thr

<210> 8213
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8213
Phe Leu Ile Arg Asn Met Ile Arg Met Cys Xaa Xaa Thr Thr Xaa Ala
1 5 10 15

Phe Xaa Ile Thr Xaa Leu Thr Tyr Ile Phe Phe Glu
20 25

<210> 8214

BNSDOCID: <WO_ 0122920A2_I >

<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8214
Leu Val Lys Pro Pro Asn Gln Ile Val Asp Asp Trp Phe Xaa Ile Gly
1 5 10 15

Xaa Xaa Xaa Asp Leu Leu
20

<210> 8215
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8215
Asp Gln Glu Phe Gly Val Asp Val Gly Pro Xaa Glu Leu Phe Ile Asn
1 5 10 15

Gln Thr Leu Tyr Glu
20

<210> 8216
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8216
Xaa Ile Asn Phe Xaa Tyr Ser Trp Xaa Tyr Cys Ile His Glu Ser His
1 5 10 15

Ser Xaa Asn Asp Xaa Thr Pro Gly Lys Gly Asn Ile Ala
20 25

<210> 8217
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8217
Ala Asn Ser Thr Ile Ile Ser Xaa Glu Lys Asn Cys Thr Gly Lys Lys
1 5 10 15

Tyr Thr Lys Leu Xaa Xaa Lys Lys Lys Lys Xaa Leu Gly Xaa Gly Thr
20 25 30

Arg

<210> 8218
<211> 132
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8218

Lys Gly Gly Pro Gly Gln Met Cys Pro His Ile Leu Ser Gly Glu Glu
1 5 10 15

Asn Gly Gln Glu Arg Glu Ala Asp Pro Cys Ser Pro Cys Cys Tyr Val
20 25 30

Arg Arg Cys Gly Thr Glu Glu Pro Arg Cys Gly Gln Gly Gln Ala Arg
35 40 45

Arg Gly Thr Lys Arg Asn Glu Ser His Ile Gly Gly Gly Cys Ser Glu
50 55 60

His Asn Ser Leu Ala Thr Ala Arg Ser Pro Leu Arg Thr Xaa Arg Ile
65 70 75 80

Pro Gly Arg Gln Gln Val Ala Pro Xaa Arg Ala Pro Ala Pro Ala Xaa
85 90 95

Cys Lys Glu Cys Lys Cys Thr Phe Cys Lys Lys Ser Cys Cys Ser Cys
100 105 110

Cys Pro Xaa Gly Cys Pro Ser Val Pro Met Leu Arg Leu Xaa Arg Gly
115 120 125

Ile Xaa Xaa Xaa

130

<210> 8219
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8219
Glu Asn Ile Xaa Glu Ser Val Ser Ala Met Glu Cys Pro Met Gly His
1 5 10 15

Leu Leu Cys Thr Tyr Cys Leu Xaa Phe Pro Gln Thr Val Ile Phe Leu
20 25 30

Asn Thr Ile Asn Tyr Xaa Asp Glu Lys Lys Asn
35 40

<210> 8220
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8220
Pro Thr Arg Val Ser Ala Xaa Leu Lys Thr Leu Leu Gly Lys Met Gly
1 5 10 15

Thr Val Pro Xaa Glu Ser His Xaa Ser Asp Xaa Gln Tyr Phe Xaa Ile
20 25 30

Ala Phe Asp Phe Xaa Val Leu Trp Asn Lys Cys Val Met Leu Cys Leu
35 40 45

Met Xaa Cys Ser
50

<210> 8221
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8221
Asp Ile His Xaa Xaa Gln Xaa Ala Gly Xaa Xaa Thr Tyr Thr Asp Pro
1 5 10 15

Val

<210> 8222
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8222
Ile Gly Leu Tyr Tyr Lys Thr Leu Phe Ser Asn Leu Tyr Phe Cys Ser
1 5 10 15

Asn Val Asn Asp Asn Arg Thr Leu Leu Glu Lys Arg Pro Met Ile Leu
20 25 30

Asn Ile Val Xaa Cys Gln Leu Ile Val Leu His Gln Ser Pro Tyr Ser
35 40 45

Cys

<210> 8223
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8223
Xaa Xaa Trp Asn Leu Xaa Tyr Arg Leu Ser Trp Tyr Ala Cys Arg Tyr
1 5 10 15

Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Val Lys Xaa Ser Tyr
20 25 30

Ser Leu Ile Phe Val Ile Ser Leu Met Gly Xaa Ile Xaa Glu Xaa Gly
35 40 45

<210> 8224
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8224
Lys Glu Gly Phe Xaa Asn Tyr Xaa Xaa Val Arg Ala Gly Leu Thr Ile
1 5 10 15

Glu Cys Asn Xaa Tyr Val
20

<210> 8225
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8225
Leu Pro Pro Tyr Arg Glu Leu Leu Val Gly His Leu Asp Leu Leu Pro
1 5 10 15

Phe Leu Glu Gln Leu Tyr Cys Trp Ala Pro Trp Val Gln Thr His Leu
20 25 30

His Leu Asp Leu Leu Gly Ala Ile Val Gln Ala Phe Pro Pro Asp Ser
35 40 45

Ser Leu Leu Asp Ser Ala Ser His Ala Asp Cys Cys Pro Gln Lys Arg
50 55 60

Arg Leu His His Arg Pro Pro Cys Pro Ala Cys Pro Phe Val Gln Ala
65 70 75 80

Gln Trp Ser Arg Gln Gln Val Lys Glu Xaa Leu Xaa Thr Trp Leu Gly
85 90 95

Pro Leu Thr Leu Ala Glu Leu Gln Xaa Trp Leu Gly Ile Xaa Gly
100 105 110

<210> 8226
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8226
Tyr Met Pro Ser Leu Thr Trp Tyr Ala Leu Arg His Thr Xaa Asp Cys
1 5 10 15

Tyr Thr Ser Ile Ser Ile Glu Asn Pro Leu Leu Pro Ile Arg Xaa Ile
20 25 30

Leu Ile His Phe Xaa Glu Xaa Xaa Ser Trp
35 40

<210> 8227
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8227
Asn Gly Val Xaa Lys Leu Ala Val Tyr Thr Ile Ile Xaa Ile Tyr Phe

BNSDOCID: <WO 0122920A2 I >

1 5 10 15

Met Lys Xaa

<210> 8228
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8228
Ala Pro Xaa Asp His Leu Pro Phe Pro Glu Ala Gly Ser Pro Glu Leu
1 5 10 15

Gly Leu Leu Val Pro Gly Leu Arg Gln Leu Leu Thr Gln Gln Cys Ile
20 25 30

Ser Arg Cys Ser Gln Gly Phe Trp Ala Pro Val Thr Ala Ala Ser Pro
35 40 45

Val Leu His Arg Pro Trp Ala Pro Arg Gly Trp Leu Ser Gly Ile Glu
50 55 60

Ala Ala Gly Ser Cys Thr Leu Phe Met Tyr Tyr Pro Ser Val Gly Arg
65 70 75 80

Ala Glu Arg Ala Ala Gly Ser Ser Trp Leu Gln Pro Ser Pro Thr Gln
85 90 95

Ser Ser Ser Gly Gly Gly Asp Pro
100

<210> 8229
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8229
Ser Tyr Thr Arg Thr Leu Gln Ile Val Phe Leu Lys Val Asn Tyr Asn
1 5 10 15

Val Glu Phe Glu Thr Ile Ser Met Asn Leu Tyr Ser Tyr Ile Lys Ser
20 25 30

His Cys Phe Thr Phe Lys Lys Lys Lys Xaa Xaa Xaa
35 40

<210> 8230
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8230
Val Lys Ser Val Ile Lys His Asn Pro Thr Val Xaa Ile Xaa Gly Pro
1 5 10 15

Ile Lys Asn Leu Thr Xaa Asp Ser Lys Cys Asp Xaa Asn Glu Ile Ile
20 25 30

Lys Val Xaa Tyr Leu
35

<210> 8231
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (128)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (130)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8231
Ala Ser Leu Ser Val Val His Arg Val Leu His Gly Val Pro Phe Leu
1 5 10 15

BNSDOCID: <WO _ 0122920A2 I >

```
Pro Glu Ile Phe Leu Gly Ser Leu Phe Leu Pro Arg Val Pro Ser Arg
             20                  25                  30

Cys Arg Leu Leu Leu Pro Arg Val Pro Ser Leu His Ala Asp Phe Ser
         35                  40                  45

Ser Arg Ala Ser Arg Leu Ser Thr Pro Pro Phe Pro Pro Ala Arg Pro
     50                  55                  60

Xaa Ser Pro Pro Pro Phe Ala Pro Ala Arg Pro Val Ser Ala Pro Thr
 65                  70                  75                  80

Phe Pro Pro Ala Arg Pro Val Ser Met Ser Pro Pro Cys Asn Ile Trp
                 85                  90                  95

Arg Asp Phe Leu His Phe Val Pro Phe Ser Pro Ser Ile Asp Phe Phe
            100                 105                 110

Val Leu Arg Leu Thr Ile Lys Xaa Leu Ile Ser Lys Xaa Lys Lys Xaa
        115                 120                 125

Xaa Xaa
    130
```

<210> 8232
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8232
Val Gln Tyr Xaa Val His Lys Thr Glu Leu Leu Met Val Thr Ser Thr
1 5 10 15

Thr Xaa Ile Phe Arg Xaa Glu Xaa Asp Gln Ile Phe Met Lys Tyr Trp
20 25 30

Leu Cys Ala Xaa Ile Ser Tyr Lys Ser Glu Tyr Ala Val
35 40 45

<210> 8233
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8233
Ile Tyr Ile Arg His Ile Gly Arg Asp Ala Leu Thr Xaa Xaa Xaa Gly
1 5 10 15

Cys Thr Ile Ala Val Ile Leu Thr Arg Val Xaa Gly Glu Val Ile Glu
20 25 30

Ile Ser Ser Glu Cys Thr Xaa Leu Tyr Cys Tyr Met Glu Xaa Ser Ser
35 40 45

Xaa Pro
50

<210> 8234
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8234
Leu Xaa Lys Trp Gly Glu Asn Lys Cys Cys Gln Val Leu Xaa Leu Ser
1 5 10 15

Ala Ile Met Asn Met Ser Xaa Arg Ala Ser Cys Thr Xaa Ser Gly Asn
20 25 30

Thr Ile Thr Cys Leu Xaa
35

<210> 8235
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8235
Xaa Lys Leu Lys Met Leu Xaa Ser Gly Met Ile Arg Val Thr Xaa Asn
1 5 10 15

Met Lys Gly Ser Thr Xaa Gln Thr Val Met Xaa Phe Pro Ser Gly Pro
20 25 30

Phe Ala Xaa Phe Val Gly Xaa Asn Leu Thr
35 40

<210> 8236
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8236
Ser Phe Val Phe Met Ala Cys Val Lys Leu Leu Gln Asp Val Cys Cys
1 5 10 15

Gln Lys Arg Leu Asp Gly Phe Lys Lys Met Gly Leu Ser Leu Pro Ser
20 25 30

Tyr Ala Ser Ile Xaa Phe Cys Thr Pro Gln Leu Leu Leu Asn Ser Leu
35 40 45

Phe

<210> 8237
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8237
Asp Tyr His Arg Pro Cys Pro His Leu Trp Trp Thr Xaa Xaa Tyr Thr
1 5 10 15

Gly Gly Pro Val Ile Xaa Leu Ser Tyr Lys Asp Phe Asn Gly Leu Lys
20 25 30

Lys Phe Xaa
35

<210> 8238
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8238

Ile Lys Cys Thr Pro Leu Lys Lys Xaa Asn Lys Xaa Lys Xaa Val Leu
1 5 10 15

Xaa Lys

<210> 8239
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8239
Ala Pro Pro Xaa Leu Ala Ala Gly Pro Ala Arg Pro Ala Pro Gly Val
1 5 10 15

Arg Pro Pro Arg Ser Arg Ala Leu Arg Ala Arg Arg Asp Val Ser Ser
20 25 30

Leu Pro Ala Arg Gly Pro Ala Arg Xaa Gly Xaa Arg Pro Glu Xaa Gln
35 40 45

Arg Xaa
50

<210> 8240
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8240
Val Arg Gln Leu Gln Val Asn Xaa Xaa Arg Gly Lys Arg Ile Gly Xaa
1 5 10 15

Ile Pro Gly Pro Val Glu Thr Arg Pro Xaa His Cys Ile Val Leu Tyr
20 25 30

Glu Ala Arg Xaa Thr Ser Phe Ala Arg Arg Glu Gln Val Asp Ala Ser
35 40 45

Leu His Met Tyr Ser Lys Met Thr Ala Gly Gln Xaa Met Asn Lys Cys
50 55 60

Xaa Ser Asn Ala Cys Xaa Xaa Arg
65 70

<210> 8241
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8241
Thr Lys Xaa Asp Ile Tyr Tyr Glu Met Val Ile Phe Xaa Xaa Xaa Ile

1 5 10 15

Phe Cys Leu Lys Cys Ile Gly Leu Lys Glu Ile Cys Met Leu Leu Ile
20 25 30

Asn Val Thr Ser Tyr Xaa Asn Phe
35 40

<210> 8242
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8242
His Asp Tyr Met Lys Xaa Gln Tyr Ala Leu Thr Xaa Gly Ile Leu Lys
1 5 10 15

Xaa Asn Xaa Glu Glu Xaa
20

<210> 8243
<211> 39

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8243
Xaa Val Thr Leu Xaa Pro Cys Glu Val Val Tyr Ser Gln Asp Xaa Ala
1 5 10 15

Gly Lys Arg Xaa Tyr Ser Cys Pro Val Tyr Gln Met Ile Ser Asp Ser
20 25 30

Leu Arg Asn Gly Gly Xaa Xaa
35

<210> 8244
<211> 24
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8244
Leu Gln Xaa His Val Leu Met Asn Ala Xaa Asn Thr Tyr Xaa Lys Gln
1 5 10 15

Lys Trp Xaa Glu Asp Phe Glu Ile
20

<210> 8245
<211> 46
<212> PRT
<213> Homo sapiens

<400> 8245
Ser Gln Met Thr Cys Arg Lys Tyr Cys His Ile Val His Phe Ile Ile
1 5 10 15

Phe Cys Cys Arg Lys Pro Leu His His Arg Met Leu Ile Cys Gln Trp
20 25 30

Tyr Pro Val Pro Leu Val Tyr Arg Leu Leu Gln Ile Leu Phe
35 40 45

<210> 8246
<211> 18
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8246
Gly Leu Lys Thr Phe Ile Gly Trp Val Trp Tyr Xaa Arg Phe Xaa Xaa
1 5 10 15

Xaa Asp

<210> 8247
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8247
Glu Thr Ile His Xaa Xaa Ile Glu Ser Ile Thr Xaa Phe Lys Leu Ile
1 5 10 15

<210> 8248
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8248
Val Leu Tyr Ile Glu Arg Xaa Leu Ser Ile Xaa Asn Gln Xaa Phe Arg
1 5 10 15

Phe Tyr Cys Gly Ser Ile Phe Asn Ala His Ile
20 25

<210> 8249
<211> 40
<212> PRT
<213> Homo sapiens

<400> 8249
Leu Thr Asn Phe His Phe Lys Lys Lys Ala Tyr Lys Val Thr Tyr Met
1 5 10 15

Ile Phe Pro Leu Arg Ser Ala Leu Ile Ser Trp Ile Pro Leu Cys Asn
20 25 30

Ile Phe Ile Ile Ile Ile Ser Lys
35 40

<210> 8250
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8250
Xaa Thr Pro Met Gly Asn Thr Xaa Arg Xaa Tyr Ala Lys Xaa Asp Arg
1 5 10 15

Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Gly Gly Gly Leu Tyr
20 25 30

Phe Ile Pro Ala Leu Gly Leu Xaa Asp Glu Ser Xaa Thr Gln Xaa Xaa
35 40 45

Xaa Leu
50

<210> 8251
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8251

Thr His Ala Thr Met Ser Phe Xaa Thr Pro Ala Val Lys Arg Leu Cys
1 5 10 15

Xaa Ala Cys Val Leu Phe Ala Asp Leu Ser Leu Thr Trp Pro Trp Gln
20 25 30

Ala Val Gly Arg His Leu Val Xaa Ala Asp Xaa Xaa Asp His Ser Tyr
35 40 45

Leu Xaa Met
50

<210> 8252
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8252
Gly Thr Xaa Leu Ser Pro Met Arg Ala Gln Trp Asn Xaa Xaa Ser Arg
1 5 10 15

Met Gln Pro Val His Leu Arg Pro Cys Leu Glu Gly Val Tyr Leu Asn
20 25 30

<210> 8253
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8253
Glu Arg Xaa Asp Val Thr Glu Ala Xaa Trp Asn Pro Leu Pro Ser Pro
1 5 10 15

Xaa Thr Xaa Gly Thr Ser
20

<210> 8254
<211> 47
<212> PRT
<213> Homo sapiens

<400> 8254
Gly Asn Ser Ile Glu Met Leu Asn Thr Ile Ser Glu Ser Tyr Val Phe
1 5 10 15

Phe Leu Ser Ser Gly Ile Pro Leu Leu Tyr Phe Tyr Lys Leu Phe Ser
20 25 30

His Cys His Trp Asn Arg Tyr Leu Arg Leu Cys Arg Tyr Ala Ile
35 40 45

<210> 8255
<211> 59
<212> PRT
<213> Homo sapiens

<400> 8255
Ala Ala Cys Thr Pro Ala Ala Tyr Ile Phe Leu Ala Thr Lys Leu Pro
1 5 10 15

Ala Thr Gly Ser Ala Glu Pro Ser Ser Trp Ser Val Ile Thr Glu Gln
20 25 30

Cys Ile Leu Ala Leu Asp Val Ser Val Asp Lys Leu Ala Glu Phe Leu
35 40 45

Tyr His Ile Leu Ser Thr Arg Ser Leu Leu Phe
50 55

<210> 8256
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8256
Ser Glu Lys Val Lys Thr Ala Phe Thr Lys Pro Gly Arg Trp Gly Leu
1 5 10 15

Cys Glu Pro Leu Cys Thr Gly Ser Leu Arg Asp Ser Ala Trp Cys Ser
20 25 30

Arg Xaa Ile Leu Ala Xaa Val Gly Glu
35 40

<210> 8257
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8257
Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro Pro Val Tyr Leu Ser
1 5 10 15

Xaa Xaa Xaa

<210> 8258
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8258
Gly Arg Gly Xaa Ala Ala Gly Leu Arg Gly Arg Thr Thr Gly Xaa Gly
1 5 10 15

Arg Arg Gln Thr Leu Xaa Trp Gly Phe Pro Xaa
20 25

BNSDOCID: <WO___0122920A2 I >

<210> 8259
<211> 34
<212> PRT
<213> Homo sapiens

<400> 8259
Lys Thr Gln Val Cys Pro Cys Val Ser Tyr Lys Val His Leu Lys Leu
1 5 10 15

Val Ser Val Cys His Ile Ser Leu Ser Trp Tyr Ile Lys Cys Ser Leu
20 25 30

His Ile

<210> 8260
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8260
Leu Glu Lys Pro Cys Xaa Thr Ser Pro Gly Thr Pro Pro Glu Phe Pro
1 5 10 15

Gly Arg Pro Thr Arg Pro Pro Pro Leu Xaa Gly Phe Arg Xaa Ala Cys
20 25 30

Pro Arg Xaa Gly Phe Pro Arg Asp Ser Gly Val Trp
35 40

<210> 8261
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8261
Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr
1 5 10 15

Arg Pro Gly Gly Xaa Ile Gly Glu Gly Pro Glu Ser Val Leu Gly Gly
20 25 30

Gly Ile Gly Glu Gly Pro Glu Cys Gly Leu Gly Gly Gly Ile Gly Glu
35 40 45

Gly Pro Glu
50

<210> 8262
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8262

```
Phe Leu Xaa Xaa Xaa Leu Leu Gly Phe Met Gln Arg Gln Xaa Cys Val
  1               5                  10                  15

Asn Xaa Gln Lys Thr Leu Ile Trp Lys Tyr Glu Asn Gln Xaa Xaa Leu
             20                  25                  30

Xaa Ile Lys Asn Xaa Xaa Thr Xaa Val Ile Ile Leu Lys Xaa Ile Leu
         35                  40                  45

Xaa Lys Ile Thr His Leu Ile Lys
     50                  55
```

<210> 8263
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8263

```
Ala Xaa Gly Leu Leu Leu Pro Ser Pro Pro Pro Pro Val Xaa Xaa Leu
  1               5                  10                  15

Xaa Gln
```

<210> 8264
<211> 24
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8264
Ala Pro Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Xaa Glu Val
1 5 10 15

Leu Arg Cys Arg Xaa Arg Ile Gly
20

<210> 8265
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8265
Asp Thr Gln Thr His Ala Xaa Cys Pro Asn Ser Cys Arg Thr Leu Asn
1 5 10 15

Xaa Glu Xaa Asp Gly Thr Leu Thr Lys Ser Val Thr Glu Pro Leu Arg
20 25 30

Met

<210> 8266
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8266
Glu Ser Met Leu Met Lys Pro Val Thr Pro Cys Arg Pro Ile Gly Lys
1 5 10 15

Glu Xaa Gly Pro Arg Xaa Ser Val Thr Pro Xaa Thr Gly Ala Leu Tyr
20 25 30

Leu Ser

<210> 8267
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8267
Lys Xaa Xaa Thr Pro Phe Leu Ser Leu Pro Ser Phe Leu Ala Leu His
1 5 10 15

Pro Ser Ser Phe Met Leu Xaa Val Val Leu Asn Lys
20 25

<210> 8268
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8268
Ala Pro Xaa Cys Pro Ser Trp Arg Ser Ser Cys Ile Arg Pro Asn Asn
1 5 10 15

Asp Met Ala Arg Xaa Leu
20

<210> 8269
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8269
Glu Pro Pro Tyr Arg Val Gly Gly Arg Ser Xaa Ala Pro Asp Gly His
1 5 10 15

Thr Gly Thr Ala Asp Ala Asn Gly Ala Ser Xaa Xaa His Pro Ala Thr
20 25 30

Arg Ala Cys Ala Gly Ser Thr Gln Gly Gly
35 40

<210> 8270
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8270
Ser Pro Pro Ile Gly Leu Arg Asp Xaa Pro Glu Xaa Pro Gly Arg Pro
1 5 10 15

Thr Arg Pro Thr Leu Leu Gly Leu Arg Leu Pro Gly Ser Leu Ser Pro
20 25 30

Pro Glu Asp Leu Pro Val Arg Asp Leu Ala Xaa Trp Gly Xaa Ser Leu
35 40 45

<210> 8271
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8271
Leu Arg Val Leu Lys Gly Xaa Gly Lys Gln Xaa Val His Xaa Ser Lys
1 5 10 15

Asn Tyr Asn Ile Leu Glu Glu Tyr Xaa Leu Pro Tyr Val Asn Thr Phe
20 25 30

Pro Ala Xaa Phe Glu Xaa Val Gly Trp Gly Glu Thr
35 40

<210> 8272
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8272
Xaa Xaa Asp Lys Ile Gly Xaa Xaa Glu Asn Gly His Asp Ser Thr Arg
1 5 10 15

Thr Trp Gly Lys Tyr Ala Arg Xaa Glu Glu Ala Lys Leu Asn Glu Asn
20 25 30

Gly Asp Ala Gly
35

<210> 8273
<211> 47
<212> PRT
<213> Homo sapiens

<400> 8273
Met Leu Phe Met Ile Ser Glu Pro Cys Ser Ile Leu Trp Leu Phe Phe

BNSDOCID: <WO___0122920A2 I >

```
  1               5                  10                  15

Phe Leu Ile Tyr Leu Tyr Phe Tyr Cys Tyr Tyr Leu Lys Lys Asn Phe
             20                  25                  30

Leu Cys Leu Ile Thr Asn Ser Ser Leu Lys Phe Pro Thr Ile Val
         35                  40                  45
```

<210> 8274
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8274

```
Xaa Lys Lys Lys Lys Lys Lys Arg Lys Ser Gln Lys Glu Arg Asp Lys
  1               5                  10                  15

Glu Val Ser Asp Asp Glu
             20
```

<210> 8275
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8275
Val Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp
1 5 10 15

Pro Xaa Val Arg Ser Gly Leu Pro Ala Pro Gly Pro Gly Asn Xaa Leu
20 25 30

Leu Lys Ala Glu Pro Arg Xaa Cys Xaa Ser Leu Leu Pro Val Leu Pro
35 40 45

Pro Gln Lys Pro Ser Ser Pro Gly Gly Ala Asp Gly Ala Arg Val Gln
50 55 60

Thr Arg Ser Leu Pro Pro Gln Xaa Cys Leu Ala Pro Leu Asp Leu Cys
65 70 75 80

Lys Gly Gly Val Thr Ala Gly Ser Glu Pro Leu Ala Leu
85 90

<210> 8276
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8276
Xaa Xaa Gly Lys Xaa Arg Thr Ile Gly Gln Ala Gly Thr Pro Ala Gly

1 5 10 15

Thr Gly Pro Glu Phe Pro Gly Arg Pro Ile Arg Pro Asp Phe Ser Phe
20 25 30

Ser Asp Thr Arg Gly
35

<210> 8277
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8277
Gly Xaa Phe Asn Leu Lys Met Ser Lys Phe Xaa Xaa Arg Leu Asn Ala
1 5 10 15

Val Gln Phe Xaa Gly Met Asn Asp Ile Xaa Arg
20 25

<210> 8278
<211> 29

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8278
His Ser Tyr Asn Ala Ser Lys Leu Asp Thr Ser Ser Phe Xaa Arg Xaa
1 5 10 15

Val Lys Cys Met Gln Asn Asn Ile Xaa Lys Ser Ile Asp
20 25

<210> 8279
<211> 75
<212> PRT
<213> Homo sapiens

<400> 8279
His Ile Lys Glu Gly Phe Cys Arg Gly Glu Leu Ser Leu Asn Tyr Gly
1 5 10 15

Arg Thr Phe Gln Ala Asp Thr Asn Ala Lys Ala Leu Gln Cys Glu Glu
20 25 30

Leu Thr Thr His Lys Asp Gly Glu Gln Phe Ile Val Thr Gly Ala Gln
35 40 45

Gly Ala Ala Lys Glu Leu Glu Arg Gly Lys Gly His Thr Lys Glu Ser
50 55 60

Leu Ile Gln Arg Val Trp Thr Ile Lys Gly Phe
65 70 75

<210> 8280

<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8280
Ser Ile Ile Ala Phe Lys Asn Glu Gly Cys Leu Ile Xaa Pro Phe Xaa
1 5 10 15

Leu Tyr Ser Val Gly Leu Xaa Thr Xaa Asn Cys Xaa Leu Gln Leu Leu
20 25 30

Lys Gly Gln Arg Val Asn Leu Thr Tyr Xaa Thr Ala Arg Ile Trp Xaa
35 40 45

Ser Glu Leu Phe
50

<210> 8281
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8281
Ser Val Arg Phe Arg Val Asn Ile Trp Val Cys Leu Thr Leu Lys Pro
1 5 10 15

Met Phe Phe Leu Leu Leu Ser Val Thr Ser Ser Leu Val Phe Asn Ser
20 25 30

Asn Arg Ser Thr Val Ile Lys Leu Cys Leu Ser Gly Lys Lys Xaa Xaa
35 40 45

Xaa Lys Lys Xaa
50

<210> 8282
<211> 62
<212> PRT
<213> Homo sapiens

<400> 8282
Lys Leu Ser Phe Ala Ala Ile Asn Arg Tyr Gly Asn Ile Cys Arg Ile
1 5 10 15

BNSDOCID: <WO__ 0122920A2 I >

Gly Leu Thr Asp Phe Val Lys Gln Met Ser Cys Tyr Phe Ala Ile Val
20 25 30

Arg His Ala Val Val Leu Lys Ile Thr Leu Ile Glu Gly Lys Asn Ile
35 40 45

Gly Ile Arg Leu Asn Arg Tyr Arg Phe Ser Asp Asn Asp His
50 55 60

<210> 8283
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8283
Glu Xaa Pro Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val
1 5 10 15

Arg Leu Cys Pro Xaa Val Glu Phe Leu Ala Pro Leu Pro Val Pro Xaa
20 25 30

Cys Val Pro Gly Arg Arg Ala Gly Leu Gly Ala Xaa Glu Pro Pro Cys
35 40 45

BNSDOCID: <WO 0122920A2 I >

Leu Xaa Glu Ala
50

<210> 8284
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8284
Xaa Gly Xaa Xaa Glu Arg Pro Gln Val Pro Val Arg Asn Ser Arg Val
1 5 10 15

Asp Pro Arg Val Arg Ile Phe Lys Phe Gly Gln Pro Xaa Ser Ala Arg

20 25 30

Asn Xaa Xaa Xaa Thr Asp Leu Thr
35 40

<210> 8285
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8285
Ala Ser Xaa Gly Thr Leu Trp Ile Gly Leu Xaa Gly Asn Val Ser Arg
1 5 10 15

BNSDOCID: <WO_ 0122920A2 I >

Tyr Arg Pro Gly Ile Pro Gly Ser Thr His Ala Ser Gly Ile Lys Thr
20 25 30

Trp Asn Arg Xaa Lys Arg Asn Pro Ile Xaa Xaa Gln Xaa Xaa Ala
35 40 45

<210> 8286
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8286
Thr Xaa Gly Lys Ala Tyr Xaa Glu Ser Phe Pro Gly Thr Ala Pro Glu
1 5 10 15

Phe Pro Gly Arg Pro Thr Arg Xaa Xaa Ser Pro Val Ser Pro Xaa Ala
20 25 30

Pro Asp Pro Thr Xaa Leu Leu Leu Xaa Pro Leu Leu
35 40

<210> 8287
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8287
Leu Leu Xaa Leu Gly Gly Thr Ala Pro Gln Val Pro Val Arg Asn Xaa
1 5 10 15

Arg Val Asp Pro Arg Val Arg Xaa Phe Ile Gly Ala Ile Gln Asn Ser
20 25 30

Ser Xaa Pro Thr Ile Gln Glu Tyr Arg Arg Gln Phe Glu Ser His Ser
35 40 45

Phe Phe Leu Lys Phe Ser Thr Ser
50 55

<210> 8288
<211> 50

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8288
Asp Thr Thr Cys Ile Leu Ile Xaa Ser Asp Leu Phe Asp Leu Xaa Leu
1 5 10 15

Gln Gly Lys Ile Leu Asn Glu Lys Arg Gly Ser Glu Met Met Xaa Xaa
20 25 30

Thr Arg Tyr Leu Asp Phe Leu Trp Ala Xaa Thr Cys Glu Thr Ser Ile
35 40 45

Xaa Thr
50

<210> 8289
<211> 62
<212> PRT

<213> Homo sapiens

<400> 8289
Gly Trp Phe Cys Leu Phe Leu Phe Gly Ser Leu Phe Phe Ile Phe Phe
1 5 10 15

Leu Thr Tyr Pro Phe Pro Pro Leu Ser Val Glu Asp Phe Leu Phe Ser
20 25 30

Asp Ser Leu Thr Gln Phe Gln Thr Glu Pro Ser Phe Thr Asp Tyr Phe
35 40 45

Gly Val Leu Val Val Leu Asn Leu Thr Gln Gln Pro Phe Met
50 55 60

<210> 8290
<211> 63
<212> PRT
<213> Homo sapiens

<400> 8290
Gly Asn Phe Gly Gly Gly Asn Tyr Gly Gly Gly Gly Asn Tyr Asn Asp
1 5 10 15

Phe Gly Asn Tyr Ser Gly Gln Gln Gln Ser Asn Tyr Gly Pro Met Lys
20 25 30

Gly Gly Ser Phe Gly Gly Arg Ser Ser Gly Ser Pro Tyr Gly Gly Gly
35 40 45

Tyr Gly Ser Gly Gly Gly Ser Gly Gly Tyr Gly Ser Arg Arg Phe
50 55 60

<210> 8291
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8291
Asp Arg Met Cys Cys Xaa Val Ser Asp Pro Met Ile Gln Val Met Ser
1 5 10 15

Ser Arg Thr Leu Xaa Thr Arg Leu His Thr Pro Pro Pro Phe Gln Pro
20 25 30

Gln His Trp His His Xaa Lys Ala Gly Tyr Pro Arg Gly His Gly Met
35 40 45

Ile Ala Ser Ser Ser Trp Ser Leu Val His Xaa His Leu His Ala Xaa
50 55 60

Glu Glu Ser Gly Trp Ile Leu Gly Ala Leu Xaa
65 70 75

<210> 8292
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8292
Ser Arg Ser Pro Pro Ser Leu Pro Pro Pro Pro Arg Glu Xaa Leu Leu
1 5 10 15

Lys Ile Xaa Xaa Cys
20

<210> 8293
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8293
Glu Pro Xaa Glu Leu Cys Phe Val Ile Gln Gly Ser Trp Xaa Glu Gln
1 5 10 15

Pro Ser Xaa Ser Leu Thr Gln Ser Thr Lys Cys Xaa Leu Xaa
20 25 30

<210> 8294
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8294
Pro Xaa Cys Cys Cys Arg Asn Ser Leu Val Xaa Thr Leu Met Xaa Ser
1 5 10 15

Arg Met Asp Gly Glu Tyr Xaa Ile Glu Leu Cys Xaa Leu Pro Ser Leu
20 25 30

Phe

<210> 8295
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8295
Arg Leu Arg Tyr Arg Ala Gly Thr Gly Pro Glu Phe Pro Xaa Arg Pro
1 5 10 15

Thr Arg Xaa Ala Leu Pro Pro Leu Leu Pro Trp Asn Val Arg Asp Pro
20 25 30

Gly Ala Ala Ala Ser Pro Xaa Ala Thr Gly Ile Pro Gly Thr Tyr Glu
35 40 45

Ala Gly Ser Lys Glu Arg Val Leu Val Xaa Xaa Xaa Arg Xaa Cys Leu
50 55 60

Lys Ala Leu Gly Xaa Leu Cys Thr Cys His Leu
65 70 75

<210> 8296
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8296
Pro Asn Ser Met Cys Thr Trp Ser Xaa Ile Xaa Lys Ile Leu Xaa Ala
1 5 10 15

Leu Phe Ala Leu Val Leu Phe Ser Met Val Thr Thr Ala Thr Thr Thr
20 25 30

Cys

<210> 8297
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO_ _ 0122920A2 I_>

<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8297
Tyr Xaa Asn Met Ser Lys Arg Ser Asp Ser Val Lys Gly Lys His Arg
1 5 10 15

Tyr Xaa Ser Ala Phe Cys Xaa Xaa Ser Trp Gln Arg Asp Ser Glu Xaa
20 25 30

Cys Thr Xaa
35

<210> 8298
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8298
His Asp Ile Leu Lys Met Glu Ala Lys Gly Tyr Lys Phe Tyr Asn Xaa
1 5 10 15

Leu Glu Xaa Phe Xaa Pro Cys
20

<210> 8299
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8299
Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro His Val Phe Xaa Xaa
1 5 10 15

Gly Xaa Leu

<210> 8300
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8300
Xaa Gly Thr Pro Ala Arg Thr Gly Pro Glu Xaa Pro Gly Arg Pro Thr
1 5 10 15

Arg Pro Ile Leu Ser Tyr Leu His Ser Val Lys Ile Glu Lys Arg Thr
20 25 30

Ile Glu Ser Ile Ile Gly Gln Met Asn Lys Arg Arg
35 40

<210> 8301
<211> 40
<212> PRT
<213> Homo sapiens

<400> 8301
Gln Glu Asn Ile Lys Tyr Asn Ser Leu Phe Phe Val Lys Asn Ile Phe
1 5 10 15

Leu Thr Asn Gly Lys Thr Lys Ser Leu Ala Ile Asn Asn Lys Met Gly
20 25 30

Ala Ile Leu Arg Val Val Lys Ala
35 40

<210> 8302
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8302
Pro Arg Tyr Phe Leu Cys Phe Trp Asp Leu Met Leu Phe Xaa Lys Cys
1 5 10 15

Tyr Cys Pro Met Leu Asp Tyr Cys Phe Gly Phe Arg His Leu Leu Asn

BNSDOCID: <WO_ _ 0122920A2 I_>

20 25 30

Arg

<210> 8303
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8303
Arg Val Asp Pro Arg Xaa Pro Ala Glu Leu Ile Cys Lys Xaa Leu Arg
1 5 10 15

Asn Lys Xaa Tyr Glu Gly Gly Asp Gly Cys Lys Thr Ile Gly Pro Gly
20 25 30

Arg Lys Arg Xaa
35

<210> 8304
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8304
Gly Gly Arg Leu Lys Met Ser Ile Ile Ser Gln His Xaa Asn Glu Thr
1 5 10 15

Trp Cys Pro Xaa Xaa Pro Glu Asp Leu Xaa Leu Gln His Ala Trp Ala
20 25 30

Phe Xaa

<210> 8305
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8305
Leu Glu Cys Xaa Arg Ser Thr Cys Ser Glu Glu Xaa His Ser Asp Ser
1 5 10 15

Val Glu Glu Glu Ser Gly Xaa
20

<210> 8306
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8306
Ile Leu Cys Asp Met Ile Phe Trp Ile Tyr Arg Thr Leu Xaa His Val
1 5 10 15

Pro Cys Ala Ser His Ser Ser Glu Val Ile Ile Tyr Thr Glu Gly Phe
20 25 30

Gln Asn Ser Thr Arg Ser Gly Asp Ile Xaa Phe Ile Tyr Ala Leu Tyr
35 40 45

Trp Ile Leu Tyr Cys Xaa Leu Lys Leu Leu Ser Trp Pro His Leu Leu
50 55 60

Lys His Lys Met Phe Tyr Leu Leu Leu Ile Tyr Asp Ala Ile Lys Ile
65 70 75 80

His Gln

<210> 8307
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8307
Leu Pro Xaa Val Leu Met His Met Trp Thr Ala Leu Lys Xaa Ala Xaa
1 5 10 15

Gly Leu Asn His Xaa Asp Leu
20

<210> 8308
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8308
Gly Thr Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg
1 5 10 15

```
Leu Xaa Arg Pro Glu Gln Thr Ala Gln Arg Val Ser Ala Gln Cys Arg
            20                  25                  30

Gly Gly Gly Arg Lys Thr Gly Arg Val Lys Val Leu Glu Arg Glu Gly
        35                  40                  45

Gly Arg Glu Gly Lys Gly Leu Trp Gly Ala Thr Gly Val Arg Glu Thr
    50                  55                  60

Arg Glu Gly Arg Leu Ser Gly Gly Gly Ala Arg Arg Pro Ala Leu Arg
65                  70                  75                  80

Arg Arg Gln Ala Gly Pro Ser Ala Leu Leu Asp Ala Pro Ala Arg Thr
                85                  90                  95

Ala Pro Gly Gly Cys Ser Glu Ala Ser Leu Leu Glu Pro Thr Gln His
            100                 105                 110

Pro Ala Arg Pro Ser Phe Pro Arg Asn Ser Pro Gln Pro Asp Gln Ala
        115                 120                 125

Ser Trp
    130
```

<210> 8309
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8309

```
Gln Xaa Leu Gln Ile Gln Asn Val Gln Arg Lys Ser Pro Pro Cys Leu
  1               5                  10                  15

Pro Xaa Leu Pro Pro Leu Pro Ser Ala Asp Trp Gly Ser Val Xaa Pro
```

20 25 30

Gln Ser Lys Ser Ala Thr Pro Glu Gly Ser Glu Leu His Arg Gly Pro
35 40 45

His Gly Asn Arg Phe Leu Ser Cys Leu Gly Gly Lys Met Ala Thr Thr
50 55 60

Pro Ala Gln Ala Leu Pro Arg His Asn Ser Thr Gly Ile Ala Cys Glu
65 70 75 80

Ala Ala Ala

<210> 8310
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8310
Arg Tyr Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Arg Leu
1 5 10 15

Ser Ala Ser Xaa Asp Xaa Arg Cys Cys Xaa Leu Thr His Thr
20 25 30

<210> 8311
<211> 82
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO 0122920A2 I >

<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8311
Ala Gly Ser Pro Xaa Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr
1 5 10 15

Arg Pro Lys Asp Ser Xaa Asp Asn Ser Gly Gly Asp Pro Pro Ala Gln
20 25 30

Met His Pro Arg Asp Lys Pro Phe Thr Tyr Arg Tyr Xaa Gln Ser His
35 40 45

Ile Glu Thr Pro Thr Trp Thr Gln Gly Met Leu Leu Xaa Arg Leu Asn
50 55 60

Asp Met Gln Xaa Val Lys Xaa Tyr Thr Val Tyr Thr Xaa Pro Gly Lys
65 70 75 80

Arg Ser

<210> 8312
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8312
Xaa Xaa Xaa Gly Xaa Thr Pro Thr Ile Gly Asn Ala Gly Thr Pro Ala
1 5 10 15

Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Ser Leu Ile Asp
20 25 30

```
Ser Arg Pro Ile Ser Ala Asp Cys Asp Thr Ser Ala Thr Cys Lys Phe
         35                  40                  45

Tyr Thr Leu Glu Xaa Ile Phe Tyr Thr Asn Xaa Val His Leu Arg Cys
     50                  55                  60

Gly Leu Asn Ile Ser Thr Asn Asn Ile Gln Leu Gln Gln Lys Met Xaa
 65                  70                  75                  80
```

<210> 8313
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8313

```
Ser Gly Ser Ser Thr Leu Phe Thr Xaa Lys Met Asp Ile Ile Ala Phe
  1               5                  10                  15

Asn Arg Arg Asn Gly Tyr Gly Leu Ser Lys Lys Asn Val Ser Met Thr
             20                  25                  30

Trp Cys Arg Leu Lys Lys Leu His Val Cys Glu Tyr Phe Ile Met Trp
         35                  40                  45

Asn Asp His
     50
```

<210> 8314
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8314
Leu Glu Xaa Xaa His Tyr Xaa Val Lys Leu Val Arg Leu Gln Val Pro
1 5 10 15

Val Arg Asn Xaa Arg Val Asp Pro Arg Val Pro Arg Pro Thr Phe Ser
20 25 30

Arg Xaa Glu Xaa Thr Met Phe Ser Arg Ala Gly Xaa His Trp Ala Xaa
35 40 45

Xaa Val Trp Thr Phe Ala Glu Arg Lys Trp
50 55

<210> 8315
<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8315
Leu Leu Pro Val Xaa Ile Gln Xaa Ser Phe Glu Thr Phe Val Ser Xaa
1 5 10 15

Arg Ile Leu Ile Xaa Pro Tyr Ala Ser Asn Thr Ala Leu Asn Ser His
20 25 30

Gly Glu Tyr Val Gly Xaa Thr Xaa Thr Arg Phe Pro Ala Xaa Thr Thr
35 40 45

His Thr Pro Thr His Leu Lys Xaa Lys
50 55

<210> 8316
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8316
Ile Xaa Arg Arg Gln Ser Ser Phe Ile Arg Asn Lys Asn His Val Gly
1 5 10 15

Arg Pro Thr Arg Gly Asn Ser Cys Leu Ile Xaa Xaa
20 25

<210> 8317
<211> 13
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8317

Ile Leu Ser Leu Ile Asn Lys Lys Lys Lys Gly Ala Xaa
1 5 10

<210> 8318
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8318
Lys Asn Thr Xaa Xaa Lys Ser Pro Xaa Phe Leu Gly Lys Lys Thr Pro
1 5 10 15

Ala Pro Trp Glu Thr Leu Ile Lys Gly Ala Gly Lys Arg Pro Trp Gly
20 25 30

Val Asn

<210> 8319
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8319

```
Val Thr Lys Thr Ser Gly Leu Pro Cys Val Arg Ala Thr Val Ser Lys
  1               5                  10                  15

Gln Arg Leu Cys Lys Gly Val Ser Arg Ile Thr Trp Asn Leu Glu Asp
             20                  25                  30

Thr Ser Trp Leu Ala Asn Cys Leu Cys Leu Leu Xaa Gly Thr Val Leu
         35                  40                  45

Ser Leu His Cys Xaa Xaa Val Val Thr Ser Trp Gly Val Arg Phe Cys
     50                  55                  60

Leu Xaa Gly Thr Tyr Phe Gly Arg Xaa Met Asp Pro Leu Pro Xaa Leu
 65                  70                  75                  80

Cys Ala Xaa Lys Glu Arg Cys Phe Xaa
                 85
```

<210> 8320
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8320
Ser Pro Arg Ser Tyr Thr Trp Ala Lys Thr Arg Ile Leu Ile Arg Phe
1 5 10 15

Xaa Leu Xaa Pro Trp Lys Leu Asn Gly Thr Asp Pro Asp Xaa Phe His
20 25 30

Tyr Asp Trp Ala
35

<210> 8321
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8321
Val Ala His Asp Cys Xaa Ser Met Leu Ser Leu Ser Phe Lys Trp Gly
1 5 10 15

Xaa Arg

<210> 8322
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8322
Ile Asp Ala Xaa Phe Leu Phe Ser Leu Ala Val Asn Lys Ser Ala Pro
1 5 10 15

Asn Xaa Lys Xaa Xaa Lys Arg Ala Xaa Ala Leu Xaa Asp Pro Ser Leu
20 25 30

Arg Thr Xaa Cys Met Xaa Arg His Ser Ser Ser Ile Gly Val His Leu
35 40 45

Asn Ser Ile His Trp Ala Xaa
50 55

<210> 8323
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8323
Gly Lys Leu Glu Lys Asn Xaa Ile Phe Lys Leu Trp Xaa Pro Xaa Thr
1 5 10 15

Xaa

<210> 8324
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8324
Thr Asn Asn Lys Gln Arg Glu His Trp Val Asp Phe Gln Val Leu Asn
1 5 10 15

Thr Ser Thr Tyr Gly Ile Met Val Asp Trp Val Ser Leu Tyr Ser Thr
20 25 30

Xaa Met Val Arg Arg Cys Phe Thr Lys Phe Val His Gln Thr Pro Val
35 40 45

Gln Leu Ser Gln Cys Gly Leu Lys Met Gln Leu Xaa Phe Ile Phe Phe
50 55 60

Cys Lys Cys Leu Gly Phe Phe Val
65 70

<210> 8325
<211> 95
<212> PRT
<213> Homo sapiens

<400> 8325
Val Lys Ser Asn Gly Thr Gly Ser Gln Leu Pro Trp Pro Thr Arg Ala
1 5 10 15

Ala Leu Gly Leu Leu Pro Thr Leu Pro Asp Pro Thr Leu Ala Gln Ala
20 25 30

Ala Leu Gly Leu His Pro Pro Asn Leu Arg Ala Gly Trp Leu Val Pro
35 40 45

Gln His Ile Arg Gln Ala Ser Gly Gln Gly Pro Leu Thr Cys Pro Ile
50 55 60

Pro Ala Gly Lys Leu Gln Ser Ile Arg Ala Val Val Thr Gly Ser Leu
65 70 75 80

Thr Ser Val Leu Cys Ser Arg Pro Gly Ile Leu His Trp Ala Leu
85 90 95

<210> 8326
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8326
Arg Xaa Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Glu Lys
1 5 10 15

Lys Asn Ile Leu Arg Met Lys Tyr Xaa Met Gly Arg Gly Tyr Lys Arg
20 25 30

His Xaa Xaa Lys Pro Asn Leu Gln Pro
35 40

<210> 8327
<211> 54
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8327
Gly Pro Gly Trp Val Thr Cys Pro Leu Trp Thr Cys Phe Phe Asn Trp
1 5 10 15

Arg Arg Ser Leu Pro Met Leu Thr Phe His Cys Arg Lys Met Gly Pro
20 25 30

Leu Val Ser Leu Tyr Gln Gly Gln Val Pro Leu Cys Gly Gly Gly Lys
35 40 45

Ala Xaa Gly Xaa Leu Ser
50

<210> 8328
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8328
Phe Thr Ile Thr Met Ala Leu Arg Phe Asp Leu Ser Trp Xaa Leu Val
1 5 10 15

Leu Xaa Met Val Xaa Arg Leu Leu Pro Leu Ala Asn Asn Trp Pro His
20 25 30

His

<210> 8329
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8329
Met Pro Thr His Phe Arg Glu Ser Xaa Tyr Ala Cys Arg Tyr Arg Ser
1 5 10 15

Gly Ile Pro Gly Phe Asp Pro Arg Phe Arg Gln Ser Asn Pro Leu Leu
20 25 30

Xaa His Xaa Asp Thr Lys Ala Xaa His Gly Ala Gly Lys Pro Thr
35 40 45

<210> 8330
<211> 35
<212> PRT
<213> Homo sapiens

<220>

BNSDOCID: <WO__ 0122920A2 I_>

<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8330
Thr His Tyr Tyr Leu Xaa Ser Trp Pro Ala Cys Arg Tyr Arg Ser Gly
1 5 10 15

Ile Pro Gly Ser Thr His Ala Phe Ala Glu Met Arg Val Leu Ala Tyr
20 25 30

Arg Xaa Phe
35

<210> 8331
<211> 69
<212> PRT
<213> Homo sapiens

<400> 8331
Ala Val Leu Ile Asp Gln Phe Leu Thr Leu Asp Cys Leu Leu Met Leu
1 5 10 15

Tyr Pro Ser Pro Pro Gly Leu Leu His Pro His Cys Gly Ile Arg His
20 25 30

Gln Pro His Asn Val Pro Asp Lys Ala Trp Lys Gly Val Asp Pro Asp
35 40 45

Val Glu Trp Ser Asp Ser Leu Asp Val Tyr Ile Tyr Leu Cys Val Ser
50 55 60

Pro Ser Phe Gln Ser
65

<210> 8332
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8332
Gly Xaa Pro Thr Gly Phe Gly Trp Xaa Gly Pro Ala Trp Trp Gly Leu
1 5 10 15

Leu Lys Xaa Pro Leu Thr Gln Pro Leu Phe Xaa Glu Lys Phe Xaa Pro
20 25 30

Trp Trp Gly Xaa Xaa Gly Trp Ala Leu Pro Leu Gly Xaa Met Pro Pro
35 40 45

Met Lys Lys Arg
50

BNSDOCID: <WO_ _ 0122920A2 I >

<210> 8333
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8333
Gly Glu Arg Gly Ala Gly Gly Val Leu Gly Gly Leu Leu Ala Pro Gly
1 5 10 15

Gly Asn Arg Val Leu Leu Arg Ser Thr Gln Val Phe Ile Cys Thr Ser
20 25 30

Pro Leu Leu Lys Tyr His His Cys Val Gly Glu Lys Tyr Arg Trp Val
35 40 45

Glu Gln His Leu Gly Pro Gln Phe Val Xaa Arg Ile Ile Leu Thr Arg
50 55 60

Asp Lys Thr Val Val Leu Gly Asp Leu Leu Ile Asp Asp Xaa Asp Thr

65 70 75 80

Val Xaa Gly Xaa Glu Asp Asp Pro Lys Leu Gly Ala His Leu Val Tyr
85 90 95

Leu Leu Xaa Gln Ser Xaa Pro
100

<210> 8334
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8334
Arg Trp Met Arg Val Pro Val Cys Val Trp Gly Gly Gly Glu Gly Arg
1 5 10 15

Ala Gly Pro Arg Ala Xaa Val Glu Gly Ala Gly Gly Arg Xaa Ala Val
20 25 30

Arg Arg Gly His Pro Gly Pro Trp Gly Leu Ala Gly Arg Arg Val Xaa
35 40 45

Ser Xaa Arg Xaa Arg Gly Gly Gly

BNSDOCID: <WO___0122920A2 I >

50 55

<210> 8335
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8335
Cys Gln Xaa Gly Leu Gly Met Met Thr Val Gly Xaa Glu Ile His Arg

1 5 10 15

Thr Asp Ser Ser Pro Gln Cys Thr Xaa Ile Xaa Val Ala Xaa Arg Cys
20 25 30

Cys Cys Thr Trp Xaa Arg Xaa Leu Ile Xaa Glu Pro Ser Ala Val Thr
35 40 45

Ser His Leu Tyr Ala Thr Glu His Ile Met Ser Gln Glu Gly Phe Gly
50 55 60

Gly
65

<210> 8336
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8336
Leu Gly Asp Tyr Lys Val Leu Asn Val Leu Val Thr Ile Ser Gln Tyr
1 5 10 15

Thr Ser Arg Lys Arg Phe Arg Phe Leu Phe Leu Lys Tyr Phe His Phe
20 25 30

Phe Leu Glu Xaa Tyr Ile Arg Leu Phe Thr Arg Thr Cys Leu Ala Tyr
35 40 45

Xaa Arg Gly Tyr Ile Leu
50

<210> 8337
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8337
Ser Ala Ala Cys Thr Pro Ala Ala Tyr Ile Phe Leu Ala Thr Lys Leu
1 5 10 15

Pro Ala Thr Gly Ser Ala Xaa Pro Met Ser Trp Ser Val Ile Thr Glu
20 25 30

Gln Leu His Ser Trp Leu Trp Met Leu Ser Ala Asp Asn Leu Ala Glu
35 40 45

Asp Leu Tyr His Ile Leu Ser Thr Arg Xaa Xaa Leu Xaa
50 55 60

<210> 8338
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8338
Tyr Leu Pro Ser Gln Thr Leu Cys Ser Phe His Phe Arg Val Leu Ala
1 5 10 15

Ala Cys Gly Leu Xaa Gln Val Ala Cys Arg Xaa Ala Lys Gly Ser Asn
20 25 30

Xaa His Thr Met Leu Ser Arg Met Val Leu Gly Leu Glu Ala Gln Leu
35 40 45

Val Gly Glu Ile Pro Xaa Glu Pro Thr Xaa Xaa Asn Val Val Xaa Leu
50 55 60

Arg Leu Xaa Leu Arg Glu Arg Phe Trp Gly
65 70

<210> 8339
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8339
Gly Lys Lys Gly Pro Trp Gly Leu Ser Val Ser Leu Ala Lys Gly Val
1 5 10 15

Asn Xaa Arg Gly Ser Xaa Gly Glu Asn Ile Ser Xaa Arg Gly Gly Ser
20 25 30

Val Ser

<210> 8340
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8340
Trp Gln His Thr Gly Thr Leu Ile Arg Lys Thr Trp Ala Arg His Arg
1 5 10 15

Gln Lys Ser Leu Phe Ile His Pro Cys Gln Arg Val Xaa Phe Arg Arg
20 25 30

Xaa Glu Met Met Asp Tyr Gln His Leu Xaa Pro Thr Thr Gln Ile Xaa
35 40 45

Xaa

<210> 8341
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8341
Phe Trp Glu Lys Ala Pro Xaa Phe Leu Gly Gly Lys Lys Ser Pro Gly
1 5 10 15

Thr Cys Lys Arg Xaa Phe Phe Xaa
20

<210> 8342
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8342
Arg Ser Leu Tyr Gln Phe Val Ser Ile Asn Val Xaa Xaa Tyr Gln His
1 5 10 15

Phe Ala Lys Thr Val Xaa Gly Thr Arg Phe Xaa Ser Glu Ser Xaa Leu
20 25 30

His

<210> 8343
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8343
Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro Pro Val Ile Ser Phe
1 5 10 15

Xaa Xaa Phe Phe Lys Xaa Arg
20

<210> 8344
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8344
Arg Phe Leu Xaa Pro Thr Val Val Gly Xaa Gly Ser Arg Val Ala Gly
1 5 10 15

Cys

<210> 8345
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8345
Asn Xaa Xaa Xaa Trp Gly His Glu Ile Tyr Gly Xaa Ile Asn Tyr Arg
1 5 10 15

Thr Gln Tyr Ser Lys Asn Lys Val Leu Leu Arg Phe Leu Pro Asp Ser
20 25 30

Pro Trp Gly Thr His Arg Cys Ile Leu Pro Ala Ser His Pro Ser Arg
35 40 45

Glu Asn Xaa Leu Xaa
50

<210> 8346
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8346
Ile Leu His Ser Phe Thr Ile Asn Gly Leu Asp Phe Lys Thr Gln Lys
1 5 10 15

Pro Lys Asn Lys Met Lys Leu Asp Asn Phe Arg Phe Cys Val Val Cys
20 25 30

Thr Ser Met Cys Thr Xaa Cys Lys Leu Ser Phe Ile Gly Leu Leu Asn
35 40 45

Arg Ile Xaa Lys Xaa Lys Phe Asn Ser Xaa Xaa
50 55

<210> 8347
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8347
Arg Xaa Gln Lys Gly His Gly Ile Asn Gly His Pro Thr Arg Asp Lys
1 5 10 15

His Arg Asp Thr Gln Gly Lys Xaa Xaa Thr Gln Arg Asp Thr Glu Xaa
20 25 30

Xaa Thr Gly Arg Xaa Thr
35

<210> 8348
<211> 13
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8348
Asp Gly Ser Asn Leu Asp Leu Glu Xaa Ser Tyr Ile Lys
1 5 10

<210> 8349
<211> 29

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8349
Leu Phe Leu Ser Gly Gly Gln Gly Leu Gly Ser Gly Leu Ser Leu Ser
1 5 10 15

Gly Leu Xaa Asp Pro Arg Val Glu Ser Xaa Xaa Xaa Ala
20 25

<210> 8350
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8350
Arg Tyr Arg Ser Gly Ile Pro Gly Xaa Thr His Ala Ser Xaa Lys Ala
1 5 10 15

Ser Ser Cys Cys Gly Xaa Glu Xaa Val Xaa Leu Met Thr Asn Gly Glu
20 25 30

<210> 8351
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8351
Gly Val Ala Phe Thr Xaa Xaa Ala Asp Xaa Val Glu Xaa Xaa Val Lys
1 5 10 15

Ser

<210> 8352
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8352
Xaa Xaa Tyr Asn Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly
1 5 10 15

Ile Pro Gly Ser Thr His Ala Ser Ala Pro Pro Met Gln Ala Thr Ser
20 25 30

Pro Pro Ser Ser Leu Asn Val Xaa Pro Ser Pro Pro Ser Lys Gly Asn
35 40 45

Ile Pro Tyr Pro Leu Xaa Xaa Glu Ile Val Leu Ser Asn Ser Pro Xaa
50 55 60

Cys Trp Leu Pro Pro Xaa Lys Xaa Trp Gly Arg His Pro Ala Trp
65 70 75

<210> 8353
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8353
Ser Gly Gly Ser Thr Phe Lys Ser Ser Phe Lys His Xaa Ile Phe Xaa
1 5 10 15

Val Xaa Xaa Phe Asn Leu Ile Asp Arg Arg Glu Leu Ala Pro Leu Gln
20 25 30

Glu Leu Ile Glu Lys Leu Thr Ser Xaa Asp Arg
35 40

<210> 8354
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8354
Val Xaa Gln Xaa Ser Gln Asp Leu Ser Leu Gln Glu Ala Glu Thr Glu
1 5 10 15

Gln Ser Asp Thr Leu Asp Asn Lys Glu Ala Val Ile Leu Xaa Glu Lys
20 25 30

Pro Pro Ser Gly Arg Gln Thr Pro Gln Pro Leu Arg His Xaa Ser Tyr
35 40 45

Ile Leu Ala Val Asn Asp Gln Xaa Thr Xaa Ser Asp Thr Thr Cys Trp
50 55 60

Leu Xaa Asn Asp Ala Arg Gln Arg Ser Thr
65 70

<210> 8355
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ _0122920A2 I >

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8355
Arg Xaa Lys Xaa Xaa Arg Xaa Gln Val Pro Val Arg Asn Ser Xaa Val
1 5 10 15

Asp Pro Arg Val Arg Arg Ser Arg Ala Asp Ala Gly Leu Leu Arg Ala
20 25 30

Gly Pro Arg Ala Ser Xaa Pro Xaa Arg Pro Gly Ser Leu His Leu Cys
35 40 45

Xaa Ser
50

<210> 8356
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8356

Met Leu Asp Ile Ile Ile His Val Ser Gly Ile Glu Ile Glu Thr Glu
1 5 10 15

Asn Lys Cys Phe Lys Val Phe Tyr Thr Xaa Lys Lys Xaa Xaa
20 25 30

<210> 8357
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8357
Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Asp Ile Xaa
1 5 10 15

Gly Ala Ile Xaa Gln Pro Ala Xaa Thr Ile Ser Gln Xaa Asp Xaa Ile
20 25 30

<210> 8358

<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8358
Asp Xaa Asn Glu Lys Asn Xaa Ala Phe Leu Gln Arg Leu Asn Leu Arg
1 5 10 15

Ser Arg Xaa Ser Leu Ser Xaa Xaa Asn Leu Gly Thr Thr Leu Gly Cys
20 25 30

Asn Leu Gln Lys Thr Phe Gly Phe Gly Gly Trp Xaa Thr
35 40 45

<210> 8359
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8359
Gly Xaa Cys Thr Gly Xaa Ser Pro Cys Xaa Tyr Ser Xaa Arg Asn Ser
1 5 10 15

Arg Val Asp Pro Arg Val Arg Arg Ser Glu Ile Leu Phe Trp Ile Arg
20 25 30

Gln Met Cys Leu Leu Ala Cys Pro Glu Gly Glu Lys Xaa Ala Cys Xaa
35 40 45

Gln Ala Phe Xaa Arg Lys Leu Val Gly Ser Trp Pro Lys Asp Glu Asp
50 55 60

Tyr Cys Xaa Arg Pro Xaa Ile Asn Xaa Ile Xaa Gly Lys Asp Tyr Xaa
65 70 75 80

Thr Cys Gly Leu Lys Met Lys Gly Thr Phe Leu Gln
85 90

<210> 8360
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8360
Tyr Gly Ile Asp Val Thr Leu Tyr Leu Gln Asn Ile Leu Phe Leu Ser
1 5 10 15

Leu Pro Gln Glu Lys Lys Gln Phe Tyr Phe Tyr Gly Thr Arg Leu Asp
20 25 30

Xaa Thr Phe Leu Ile Asn Tyr Met Xaa Val Tyr Ser Thr Phe Lys Ile
35 40 45

Ala Met Glu Lys Phe Asn Tyr Phe Gln Gln Xaa Leu Xaa Leu Ser
50 55 60

<210> 8361
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8361
Xaa Leu Ala Arg Leu Xaa Val Pro Val Arg Asn Ser Arg Val Asp Pro

BNSDOCID: <WO 0122920A2 I >

```
  1               5                  10                  15

Arg Val Arg Pro Arg Ser Ser Ser Gly Ser Pro Leu Val Thr Arg Val
            20                  25                  30

Pro Arg Ala Ser Pro Ala Pro Glu Gly Pro Ala Ser Gly His Gly Ala
        35                  40                  45

Leu Pro Gly Gly Ala Gly Leu Arg Ala Gly His Glu Arg Gly Ala Ala
    50                  55                  60

Ala Arg Pro Arg Ala His Gly Gly Arg Ser Ala Ala Arg Pro Gly Thr
65                  70                  75                  80

Leu Gly Gln Pro Arg Gly Gly Xaa Xaa Glu Xaa Gly
                85                  90
```

<210> 8362
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8362

```
Xaa Ser Ser Tyr Xaa Ser Ile His Ile Asn Ile Ser Val Leu Thr Cys
  1               5                  10                  15

Lys Lys Met Xaa Arg Tyr His Thr Tyr Ile Leu
            20                  25
```

<210> 8363
<211> 48
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8363
Cys Arg Glu Tyr Xaa Glu Glu Xaa Lys Arg Asp Cys Trp Arg Thr Val
1 5 10 15

Thr Arg Val Ser Ser Ile Thr Ser Leu Ser Tyr Ile Ile His Xaa Ser
20 25 30

Ile Ser Leu Ala His Gly Ser Arg Pro Xaa Cys Xaa Val Cys Xaa Asp
35 40 45

<210> 8364
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8364
Ser Leu Thr Gly Met Xaa Ser Ala Ser Ser Leu Glu Leu Asn Ala Ala
1 5 10 15

His Ala Glu Lys Asn Asn Xaa Tyr Xaa Phe Xaa Trp Val Leu Ala Leu
20 25 30

<210> 8365
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8365
Met Ser Asp Asn Leu Glu Met Ile Ala Tyr Leu Lys Arg Tyr Arg Lys
1 5 10 15

Asp His Leu Asn Ile Trp Lys Asn Glu Ile Arg Val Lys Leu Asn Lys
20 25 30

Xaa Leu Leu Thr Xaa Leu Lys Lys
35 40

<210> 8366
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8366
Ser Ser Leu Lys Thr Phe Thr Ile Phe Glu Arg Trp Xaa Pro Ala Gly
1 5 10 15

Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Met Val Ser Phe
20 25 30

Phe Leu Gln Arg Asn Leu Ile Phe His Phe Asn Leu Ser Leu Ala Tyr
35 40 45

Ser Ser Gln Trp Gly Leu Leu Lys Asn Ser Phe Pro Ser Tyr Ser Pro
50 55 60

Phe Glu Leu Lys Val Gln Lys Lys Lys Ile Leu Leu Lys Cys Cys Asp
65 70 75 80

Gln Ile

<210> 8367
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8367
Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro Pro Val Ile Xaa Xaa
1 5 10 15

Xaa

<210> 8368
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8368
Xaa Ser Pro Gly Pro Ile Leu Ile Arg Arg Gly Val Cys Gln Ala Ala
1 5 10 15

Gln Val Ser Leu Pro Pro Pro Gly His Pro His Gln Val Ala Ser His
20 25 30

Arg Leu Gln Glu Arg Lys Thr Arg Trp Ser Arg Phe His Ser Ala Leu
35 40 45

Ala Ala Ala Ser Arg Phe Ile Cys Thr Ser Leu Ser Met Arg Ala Cys
50 55 60

Glu Leu Pro Gly Arg Ala Glu Phe Lys Lys Met Lys Tyr Cys Met Arg
65 70 75 80

Arg Ala Ser Leu Leu Lys Arg Val
85

<210> 8369
<211> 59

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8369
Leu Val His Arg Glu Ser Ser Tyr Tyr Ile Glu Xaa Trp Tyr Pro Cys
1 5 10 15

Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Glu Xaa Leu
20 25 30

Gln Ser Pro Glu Leu Ile Pro Ile Glu Gly Ala Met Ala Phe Lys Ile
35 40 45

Lys Met Lys Gly Glu Leu Lys Gln Leu Lys Xaa
50 55

<210> 8370
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8370
Glu Gly Xaa Trp Lys Pro Phe Arg Xaa Xaa Arg Pro Gly Thr Pro Ala
1 5 10 15

Gly Thr Arg Ser Gly Ile Xaa Gly Ser Thr His Ala Phe Ala Asn Pro
20 25 30

<210> 8371
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8371
Arg Xaa Lys Trp Asn Xaa Gly Thr Thr Leu Lys Ala Gly Thr Pro Ala

```
  1               5                  10                  15

Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Val Ala Trp
            20                  25                  30

Gly Lys Ile Glu Trp Xaa Gln Xaa Gly Xaa Arg Ser Lys Ala Leu Ala
        35                  40                  45
```

<210> 8372
<211> 40
<212> PRT
<213> Homo sapiens

<400> 8372

```
Leu Glu Tyr Leu Leu Phe Asp Cys Phe Leu Leu Arg Asn Ile Arg Leu
  1               5                  10                  15

Gly Ala Met Met Asn Asp Leu Val Lys Ser Cys Val Phe Leu Arg Lys
            20                  25                  30

Phe Leu Asn Ile Asn Phe Leu Asn
        35                  40
```

<210> 8373
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8373
Lys Ile Phe Asn Lys Tyr Phe His Arg Thr Glu Leu Thr Thr Gly Ala
1 5 10 15

Cys Asn Lys Asn Phe Xaa Thr Gly Ala Gly Lys Thr Xaa Leu Leu Gly
20 25 30

Gly Asn Xaa Pro Ile Trp Lys Gly Leu Pro Phe Met Gly Pro Pro Trp
35 40 45

Lys Xaa Trp Glu Val Gly
50

<210> 8374
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8374
Ala Thr Ile Ser Met Ser Pro Arg Asn Gly Pro Asn Pro Glu Ser Ser

```
  1               5                  10                  15

Pro Leu Asp Phe Met Asp His Gly Ala Asp His Leu Tyr Leu Val Leu
             20                  25                  30

Glu Leu Lys Asn Cys Ser Leu Cys Glu Asn Glu Pro Leu Asp Gln Ser
         35                  40                  45

Leu Leu Lys Gln Thr Asn Met Lys Xaa Lys Lys Lys Xaa Leu Xaa Lys
     50                  55                  60

Lys Lys Lys Xaa Lys Lys Xaa Lys Lys Lys
 65                  70
```

<210> 8375
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID <WO 0122920A2 I >

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8375
Arg Ile Asp Xaa Xaa Gly Thr Pro Thr Ile Gly Met Leu Val Arg Leu
1 5 10 15

Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Gly Arg
20 25 30

Val Gly Glu Tyr Gly Ile Ser Ser Xaa Asp Gln Lys Gly Glu Thr Ile
35 40 45

Lys Thr Arg Tyr Ile Pro Lys Pro Asn Pro Lys Phe Xaa Phe Lys Phe
50 55 60

Phe Ile Ile Phe Gln Xaa Leu Ser His Thr Xaa Xaa Ile Leu
65 70 75

<210> 8376
<211> 14
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8376
Lys Gly Glu Asp Arg Lys Xaa Lys Xaa Xaa Met Asn Val Xaa
1 5 10

BNSDOCID: <WO_ _ 0122920A2_I_ >

<210> 8377
<211> 50
<212> PRT
<213> Homo sapiens

<400> 8377
Ile Pro Ala Ala Thr Trp Glu Lys Glu Val Ala Gly Pro Gly Glu Lys
1 5 10 15

Ala Val Met Lys Pro Ile His Phe Glu Gly Ser Thr Ile Ser Thr Leu
20 25 30

Phe Phe Glu Leu Trp Gln Phe Gln Cys Leu Ser Leu Leu Leu Arg Gly
35 40 45

Ile Ser
50

<210> 8378
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8378
Pro Xaa Thr Ile Xaa His Glu Leu Xaa Ser Leu Gln Asn Gln Glu Gly
1 5 10 15

Ala Met Xaa Gly Ser
20

<210> 8379
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8379
Gly Ser Ser Pro Val Lys Gln Ser Tyr Ile Lys Pro Xaa Xaa Arg Lys
1 5 10 15

Gln

<210> 8380
<211> 57
<212> PRT
<213> Homo sapiens

<400> 8380
Gly Leu Lys His Ile Val Lys Asp Glu Ser Ser Phe Gly Glu Lys Gly
1 5 10 15

Ser Pro Val Glu Ser Ser Leu Val Ile Ala Cys Gly Ser Lys Phe Ser
20 25 30

Ala Ser Phe Thr Val Ala Cys Ile Val Val Leu Leu Leu Gly His Leu
35 40 45

Cys Phe Ile Trp Lys Cys Arg Gln Glu
50 55

<210> 8381

<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8381
Asn Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro
1 5 10 15

Thr Arg Pro Ile Glu Xaa Ala Xaa Glu Thr Ser Ala Leu Thr Ser Leu
20 25 30

Arg Arg Gly Arg Asp Pro Glu Pro Leu Xaa Lys Ala Thr Arg Pro Asp
35 40 45

Val Leu Arg Arg Xaa Ser Pro Glu Thr Ser Gly Gln Arg Gln Ala Xaa
50 55 60

Xaa Gly Gly Glu Arg Gly Leu Gly Leu Arg Leu
65 70 75

<210> 8382
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8382
Xaa Arg Ala Xaa Val Arg Asp Xaa Asn Pro Gln Xaa Ala Lys Thr Ser
1 5 10 15

Leu Glu Lys His Arg Asp Arg Pro Gly Glu Met Gly Arg Arg Tyr Gly
20 25 30

Val Arg His Leu Leu Gln Lys Lys Pro Ala Phe Ser Xaa Gln Gly Ala
35 40 45

<210> 8383
<211> 51
<212> PRT
<213> Homo sapiens

BNSDOCID: <WO_ 0122920A2 I >

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8383
Gly Xaa Xaa Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp
1 5 10 15

Pro Arg Val Arg Lys Val Ala Leu Phe Leu Leu Asp Leu Ala Glu Gly
20 25 30

Xaa Ala Xaa Gly Val Gly Glu Ile Lys Lys Asn Leu Lys Trp Xaa Lys
35 40 45

Xaa Glu Met
50

<210> 8384
<211> 85
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8384
Asn Leu Xaa Ser Val Phe Lys Glu Ser Gln Asp Pro Ile Met Pro Ser
1 5 10 15

Phe Phe Ser Ser Leu Leu Ser Leu Phe Leu Thr Leu Pro Lys Lys Tyr
20 25 30

Leu Phe Leu Trp Phe Asn Lys Trp Ser Leu Xaa Tyr Gly Thr Met Thr
35 40 45

Lys Ile Pro Ala Thr Cys Phe Leu Leu Tyr Glu Tyr Met Arg Pro Thr
50 55 60

Phe Ile His Xaa Ser Ser Met Lys Leu Ser Leu His Ser Lys His Arg
65 70 75 80

Ala Glu Thr Ser Thr
85

<210> 8385
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8385
Gly Ser Arg Ser Arg Val Ala Ala Leu Phe Phe Trp Xaa Phe Phe Phe
1 5 10 15

Xaa Xaa Ile Lys Arg
20

<210> 8386
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8386
Ala Gln Gly Leu Leu Leu Pro Ser Pro Pro Pro Xaa Gly Met Phe Xaa
1 5 10 15

Xaa Tyr

<210> 8387
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8387
Lys Arg Arg Ala Asp Gly Ile Gln Leu Pro Lys Phe Val Ser Lys Ser
1 5 10 15

Cys Phe Met Glu Leu Arg Leu His Phe Val Cys Met Ala Leu Lys Asn
20 25 30

Arg Ile Gln Ile Ser Ala Phe Glu Lys Gly Glu Thr Leu Tyr Gln Leu
35 40 45

Xaa Leu Leu Lys Asn Gly Ile Ser Leu His Phe Glu Ile Val Asn Ser
50 55 60

Thr Leu Lys Tyr Ser Ala Thr Cys Xaa Lys Phe Xaa Ser Lys Leu
65 70 75

<210> 8388
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8388
Leu Lys Val Ser Ser Phe Pro Pro Pro Pro Pro Pro Ser Gly Leu Xaa
1 5 10 15

Phe Leu Ser Tyr Leu Asp Ser Xaa Ala Ser Cys Leu Pro Xaa Ser Phe
20 25 30

Leu Glu Ala Arg Leu Leu Leu Trp Gly Arg Xaa Gly Trp Leu
35 40 45

<210> 8389
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8389
Xaa Tyr Xaa Val Val Gln Xaa Gly Gln Xaa Leu Glu Cys Phe Lys Ile
1 5 10 15

Ser Ile Leu Asp Phe Ser Leu Ala Phe Ile Asp Xaa Leu Gly Cys Gly
20 25 30

His Cys Leu Lys Tyr Met Thr Val Ser Ser Gln Lys Pro Tyr Thr Leu
35 40 45

Asn Phe Thr Lys Ile Ile
50

<210> 8390
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8390
Leu Val Xaa Val Leu Ser Tyr Xaa Asn Phe Lys Gly Lys His Leu Lys
1 5 10 15

Ser Lys Ile Val Arg Ile Arg Xaa Ile Glu Val Glu Tyr His Xaa Arg
20 25 30

Leu Asn Lys Ala Leu Val Xaa Met Lys Val Val Leu Phe Arg Arg Leu
35 40 45

Arg Tyr Leu
50

<210> 8391
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8391
Glu Lys Arg Lys Arg Lys Gly Ile Asn Ser Ile Leu Ala Glu Xaa Ile
1 5 10 15

Tyr Xaa Leu Ile Xaa Xaa
20

<210> 8392
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2_I_>

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8392
Ala Trp Gly Thr Gly Xaa Glu Trp Pro Gly Arg Pro Xaa Arg Thr Lys
1 5 10 15

Lys Ile Ile Trp Val Asn Lys Xaa Xaa Tyr Lys Arg Xaa Lys Asn Leu
20 25 30

Arg Thr Arg Cys His Lys Tyr Glu Ile Gly Lys Asn Lys Val Thr Arg
35 40 45

Lys Trp Val Xaa Lys Asn Leu Xaa Gly Xaa Val Arg Ser Ile Gln Xaa
50 55 60

Trp Lys Gly Lys Asn Leu
65 70

<210> 8393
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8393
Phe Tyr Thr Thr Ser Phe Pro Phe Leu Gln Val Asn Xaa Phe Thr Asn
1 5 10 15

His Xaa Gly Tyr Leu Leu Asn Arg
20

<210> 8394
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8394
Pro Phe Leu Thr Glu Asp Xaa His Trp Lys Leu Met Lys Gly Xaa Asn
1 5 10 15

Asn Gly Glu His His Phe Pro Ala Xaa Asp His Thr Ala Asn Ile Xaa
20 25 30

His Gly Xaa Xaa Xaa Tyr Leu Glu Ala Gln Arg Ser Pro Gly Val Ala
35 40 45

Lys Leu Gly Ser Pro Val Leu Thr Lys Leu Leu Thr Ala Ser Thr Pro
50 55 60

Cys Gln Ile Leu
65

<210> 8395
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2_I >

<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8395
Ala Ser Thr Ala Arg Asn Gly Arg Met Arg Asp Gly Lys Lys Ala Ala
1 5 10 15

Gly Xaa Lys Gly Ile Xaa Xaa
20

<210> 8396
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8396
Arg Gly Ala Ala Gly Ala Val Glu Pro Gly Thr Ala Glu Arg Arg Gly
1 5 10 15

Ala Gly Pro Arg Gly Gly Arg Leu Ala Ala Pro Arg Pro Arg Thr Ser
20 25 30

Thr Pro Arg Xaa Ala Cys Ala Xaa Xaa Cys Xaa Ala Cys Gly Ala Gly
35 40 45

Thr Arg Thr Arg Cys Trp Gly Trp Pro Gly Pro Cys Gly Pro Arg Asp
50 55 60

Gly

<210> 8397
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8397
Gly Ile Val Gly Gly Ala Pro Gly Gly Leu Xaa Cys Pro Pro Pro Glu
1 5 10 15

Leu Gly Ile Ala Ala Asn Xaa Gly Ser Val Pro Gln Leu Lys Thr Ser
20 25 30

Ser Gly Met Ser
35

<210> 8398
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2 I >

<400> 8398
Ile Pro Xaa Ser Ile His Ala Ser Ala Met Ser Xaa Xaa Ile Val Ile
1 5 10 15

Asn

<210> 8399
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8399
Lys Lys Asn Ser Cys Xaa Ile Ser Arg Phe Xaa Xaa Ile Arg Thr Leu
1 5 10 15

Tyr

<210> 8400
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8400
Pro Gly Arg Xaa Arg Val Arg Glu Ser Ser Pro Cys Thr Val Gly Xaa
1 5 10 15

Ser Gln Arg Arg Pro Gly Thr Xaa Thr His Trp Gly Ala Ser His Gly
20 25 30

Ala Ala Arg Gly Ala Arg Leu Gly Gly Gly Pro Glu His Leu Leu His
35 40 45

Leu Tyr Ser Gly Trp Ile Phe Lys Xaa Asp Leu Val Val Ala Val Ser
50 55 60

Leu Ser Tyr Gln Glu Ala His Asp Ile Arg Leu Ser Leu Trp
65 70 75

<210> 8401
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8401
Pro Xaa Ala Ile Arg Ala Phe Xaa Ser Xaa Ser Phe Leu Ile Xaa Ser
1 5 10 15

Met Cys Met Arg Leu Phe Ile Pro Lys Asp Met Lys Glu His Asn Val
20 25 30

Thr Thr Arg Leu
35

<210> 8402
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8402
Ile His Lys Met Thr Met Lys Lys Ile Ile Cys Tyr Gly Ile Leu Ala
1 5 10 15

Thr Val His Ile Phe His Asn Gln Ile Ser Ser Thr Gly Leu Asn Leu
20 25 30

Met Phe Phe Asn Phe Tyr Ser Leu Arg Cys Phe Glu Ala Ile Arg Ile
35 40 45

Cys Val Phe Thr Val Leu Xaa Gly Leu Ile Pro Xaa Val
50 55 60

<210> 8403
<211> 47
<212> PRT
<213> Homo sapiens

BNSDOCID <WO__ 0122920A2 I_>

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8403
Arg Val Ser Pro Gly Lys Ile Ser Pro Gly Gly Phe Arg Thr Pro Xaa
1 5 10 15

Arg Pro Phe Pro Xaa Xaa Leu Gly Leu Gly Phe Lys Leu Lys Arg Phe
20 25 30

Phe Phe Gln Xaa Ser Trp Ala Lys Lys Lys Lys Lys Xaa Phe Xaa
35 40 45

<210> 8404
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8404
Arg Gln Val Ser Xaa Arg Ser Thr Arg Pro Leu Pro Ser Gly Arg Ala
1 5 10 15

Arg Leu Gln Val Pro Ala Ala Leu Arg His Ala Ser Ser Xaa Gly Leu
20 25 30

Ser Asn Lys Xaa Ala Asp Arg Arg Xaa Leu Gln Arg Leu Ile Pro Trp
35 40 45

Xaa Leu Gln Thr Gln Pro Thr Pro Ser Gly Pro Arg Ala Xaa Arg Leu
50 55 60

Leu Pro Ala Val Gly Gly Thr Arg Trp Pro Ala Arg Xaa
65 70 75

<210> 8405
<211> 49

<212> PRT
<213> Homo sapiens

<400> 8405
Gly Cys Pro Gly Gly Cys Pro Gln Val Gly Gly Ser Arg Gly Glu Lys
1 5 10 15

Met Val Ala Ile Phe Thr Leu Phe Cys Ile Val Phe Ile Asp Ser Gly
20 25 30

Asn Lys His Lys Ile Leu Asn Lys Met Thr Trp Lys Leu Pro Lys Lys
35 40 45

Lys

<210> 8406
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)

BNSDOCID: <WO__0122920A2 I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8406
Gly Pro Arg Gly Leu Thr Pro Xaa Gly Ser Pro Arg Gly Lys Xaa Phe
1 5 10 15

Xaa Pro Gly Gly Gly Ser Arg Glu Thr Pro Pro Lys Gly Pro Gly Phe
20 25 30

Pro Pro Xaa Lys Thr Leu Phe Thr Phe Gly Gly Xaa Xaa Xaa Lys Arg
35 40 45

Xaa Ile
50

<210> 8407
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8407
Xaa Xaa Trp Lys Ala Gly Xaa Pro Ala Gly Thr Gly Pro Glu Phe Pro
1 5 10 15

Gly Arg Pro Thr Arg Ser Arg Val Ser Asn Pro Ala Xaa Met Ala Xaa
20 25 30

Glu Glu Glu Asp Ala Xaa Xaa Tyr Asn Leu Thr
35 40

<210> 8408
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8408
Leu Tyr Thr Xaa Lys Arg Phe Leu Thr Phe Ile Leu Thr Leu Asn Gly
1 5 10 15

Ser Thr Leu Gly Phe Arg His Val Asn Phe Cys Xaa Val Leu Asn Leu
20 25 30

Ser Arg Val Ala Cys Arg

35

<210> 8409
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8409
Ile Arg Arg Tyr Ser Leu Lys Cys Ile Asn Val Ser Leu Phe Lys Ser
1 5 10 15

Glu Ser Leu Leu Met Ile Thr Ile Leu Tyr Xaa Ala Ile Asn Xaa Ile
20 25 30

His

<210> 8410
<211> 33
<212> PRT
<213> Homo sapiens

<400> 8410
Gln Val Asn Val Val Gln Ile Ser Arg Ser Phe Tyr His Leu Lys Lys
1 5 10 15

Lys Phe Ser Phe Val Val Phe Leu Leu Ser Pro Arg Ser Leu Asn Cys
20 25 30

Gly

<210> 8411
<211> 134
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8411
Pro Gly Trp His Cys His Ser His Ser Ala Pro Gly Pro Arg Arg Asp
1 5 10 15

Ser Ala Trp Ser Leu Xaa Xaa Ala Gln Pro Ile Cys Val Cys Val Cys
20 25 30

Ala Cys Asp Ala Thr Ser Pro Pro Val Pro Leu Gln Gly Pro Arg Ile
35 40 45

```
His Thr Ala Met His Ala His Thr Gly Pro Gly Pro Gly Pro Gln Ser --
     50                  55                  60

Ser Cys Leu Ser Trp Thr Leu Cys Lys His Phe Cys Ala Cys Trp Val
 65                  70                  75                  80

Gly Ala Arg Leu Lys Gly Pro Ala Pro Ser Leu Gln Asp Arg Xaa Pro
                 85                  90                  95

Gln Ala Gly Gln Gly Gly Ser Pro Trp Ile Xaa His Thr Asn Thr Thr
            100                 105                 110

Arg Ala Arg Ala Thr His Ala Phe Xaa Xaa Leu Ile Leu His Xaa Thr
        115                 120                 125

Pro Phe Pro Gly Xaa Ala
    130
```

<210> 8412
<211> 20
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8412

```
Arg Thr Arg Gly Val Cys Leu Lys Gly Leu Ser Phe Ile Xaa Asn Trp
  1               5                  10                  15

Xaa Xaa Asn Leu
            20
```

<210> 8413

<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8413
Leu Val Leu Asp Arg Glu Arg Pro Leu Ala Thr Ser Ser Arg Ser Arg
1 5 10 15

Ala Ala Ala Arg Asp Leu Xaa Leu Ala Gly Ala Trp Val Xaa Pro Gly
20 25 30

Phe Pro Asp Arg Xaa Xaa Leu Ala Tyr Gln Leu
35 40

<210> 8414
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8414
Glu Leu Xaa Ala Glu Ala Glu Lys Met Arg Val Ser Gln Gln Glu Leu
1 5 10 15

Leu Ser Val Asp Glu Ser Val Tyr Thr Pro Asp Ser Asp Val Ala Ala
20 25 30

Pro Gln Ile Asn Arg Asn Leu Ile Gln Lys Ala Gly Tyr Leu Asn Leu
35 40 45

Arg Asn Trp Gln Met Arg Ala Met Cys Trp Arg Pro Thr Cys Lys Ala
50 55 60

Arg Gly Lys Gln Asn Arg Ala Gly His His His Leu Gly Glu Ala Leu
65 70 75 80

Phe Leu His Pro Arg Arg Glu Ser His Val Ser Ala Gln Gly Ser Arg
85 90 95

Gly Trp Arg Phe Asp Pro Gly Pro Gly Gln Leu Leu Ser Asp Gly Arg
100 105 110

Gly Leu Arg Arg Pro Ala Leu Leu Leu Xaa Asp His His Ala Gln Trp
115 120 125

Lys Ile Gly Asn Asn Pro Pro Gly
130 135

<210> 8415
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8415
Ile Val Leu Ile Phe Val Trp Cys Thr Phe Thr Tyr Lys Arg Glu Asp
1 5 10 15

Lys Met Phe Trp Gly Ile Ile Thr Arg Gly Leu Ala Arg Ser Lys Leu
20 25 30

Val Ser Pro Leu Leu Pro Ser Ser Asn Phe Gly Xaa
35 40

<210> 8416
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8416
Gly Asn Cys Gln Gly Arg Glu Arg Ile Phe Arg Xaa Glu Glu Asp Asp
1 5 10 15

Ser Leu Trp Ser Ser Thr Arg Leu Ser His Leu Asn Phe Leu Phe Thr
20 25 30

Leu Xaa Tyr Xaa Asn Asp Glu Leu Lys Xaa Gln Ile His Lys Xaa Ser
35 40 45

Tyr Asp Ser Gln Leu Pro Xaa Val Ala Phe Asn Ile
50 55 60

BNSDOCID: <WO__ 0122920A2_I_>

<210> 8417
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8417
Glu Tyr Val Lys Lys Tyr Lys Gly Ser Xaa Ala Phe Xaa Xaa Leu His
1 5 10 15

Tyr Xaa

<210> 8418
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8418
Leu Gln Ile Cys Val Thr Val Ile Ser Val Tyr Val Leu Ser Leu Xaa
1 5 10 15

Met Cys Arg Phe Val Ile Gly Arg Tyr Ile Ser Tyr Leu Leu Cys Phe
20 25 30

Ile His Ala Ala Cys Xaa Thr Xaa Leu Tyr Met Val Xaa Thr Glu
35 40 45

<210> 8419
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8419
Gly Xaa Lys Val Phe Asn Asp Glu His Ile Phe Pro Leu Ser Leu Lys
1 5 10 15

Cys Leu Ala Phe Glu Trp Tyr Leu Ser Leu Arg Xaa Lys Xaa Xaa
20 25 30

<210> 8420
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8420
Gly Lys Met Gln Lys His Ile Tyr Val Leu Ile Ser Leu Trp Ala Leu
1 5 10 15

Phe Lys Ala Val Leu Arg Gly Arg Gly Tyr Ser Phe Arg Arg Glu Pro
20 25 30

Ala Ser Asp Lys His Asn Leu Leu Gly Thr Trp Glu Arg Asn Gln Arg
35 40 45

Ala Ala Leu Gln Arg Leu Phe Lys Leu Leu Leu Lys Asn Thr Gln Phe
50 55 60

Gly Val Leu Gly Phe Phe Ser Phe Ser Leu Arg His Ser Thr Ile Leu
65 70 75 80

Ile Phe Val Thr Ala Tyr Leu Cys Glu Lys Gly Tyr Phe Tyr Leu Ala
85 90 95

Xaa Leu Cys Gln Pro Ile Arg Leu Pro
100 105

<210> 8421
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8421
Ile Thr Cys Ile Leu Leu Leu Val Ile Lys Leu Thr Ala Ile Ile Val
1 5 10 15

Asn Met Cys Leu Xaa Leu Xaa Val Lys Trp Lys Leu Leu Arg Ser Leu
20 25 30

Thr Val Xaa Glu Xaa Lys Cys Thr Gly Thr Asp Gly Asn Ile
35 40 45

<210> 8422
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8422
Xaa Ser Met Phe Asn Xaa Asn Arg Arg Glu Xaa Arg Ile Trp Leu Val
1 5 10 15

Xaa Glu His Gln Val Val Pro Xaa Ser Asn Cys Met Lys Cys Trp Arg
20 25 30

Lys Leu Xaa His Cys Xaa Arg Glu Leu Ala Ser Leu Xaa Ser Ile Ala
35 40 45

Pro Gly
50

<210> 8423
<211> 61
<212> PRT
<213> Homo sapiens

<400> 8423
Tyr Ser Val Glu His Asn Asp Glu Ser Glu His Gln Cys Cys Val Pro
1 5 10 15

Asp Leu Lys Ala Leu Gly Ala Asn Asn Ser Gly Gly Asp Cys Tyr Gly
20 25 30

Phe Cys Ile Lys Val Phe Tyr His Val Lys Lys Ile Arg Ile Phe Ser
35 40 45

Leu Leu Val Val Phe Ile Ile Lys Tyr Val Asp Tyr Leu
50 55 60

BNSDOCID: <WO__0122920A2 I_>

<210> 8424
<211> 67
<212> PRT
<213> Homo sapiens

<400> 8424
His Ala Phe His Met Ser Thr Phe Leu Pro Cys Ser Ser Cys Ser Pro
1 5 10 15

Asn Leu Glu Gly Arg Leu Pro Leu Ala Lys Ser Ser Ser Gly Leu Glu
20 25 30

Asn Phe Leu Ser Val Thr Ser Phe Ile Glu Pro Ser Leu Ile Thr Pro
35 40 45

Ser Leu Ser Tyr Pro Ser Leu Pro Gln Pro Ser Met Tyr Lys Leu Leu
50 55 60

Leu Asp Ala
65

<210> 8425
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8425
Asp Phe Ala Tyr Leu Pro Ser Gly Leu Ser Leu Glu Asn Gln Asp Phe
1 5 10 15

Ser Asp Leu Phe Leu Tyr Pro Gln Val Ser Leu Val Leu Met Ser Pro
20 25 30

BNSDOCID: <WO___0122920A2_I_>

Ser Xaa Ser Ser Ser Ile Pro Leu Xaa Phe Phe Ser Pro Ser Pro Met
35 40 45

Gly Ser His Ser Thr Leu Cys Tyr Pro Ser Asp Thr Tyr Asn Ile Cys
50 55 60

Xaa Asn Arg
65

<210> 8426
<211> 70
<212> PRT
<213> Homo sapiens

<400> 8426
Thr Val Cys Asn Cys Ser Phe Tyr Phe Phe Gly Thr Tyr Leu Thr Tyr
1 5 10 15

His Gly Val Asn Ile Met Asn Leu Leu His Ile Val Gln Lys Glu Pro
20 25 30

Gly Gly Phe Phe Cys Gln His Cys Asp Val Tyr Ser Phe Glu Asp Ser
35 40 45

Asn Cys Arg Trp Lys Asn Leu Cys Tyr Lys Ala Arg Cys Phe Pro Lys
50 55 60

Ser Asp Val Leu Val Lys
65 70

<210> 8427
<211> 160
<212> PRT
<213> Homo sapiens

<400> 8427
Pro Ile Leu Phe Trp Arg Lys Met Glu Thr Ile Ile Leu Ser Val Asp
1 5 10 15

Cys Gln Thr Ser Asn Ser Ile Asp Asn Val Leu Glu Lys Asp Pro Arg
20 25 30

Pro Lys Arg Asp Thr Asp Ile Thr Ser Glu Ser Asp Tyr Gly Asn Arg
35 40 45

Lys Glu Cys Asn Arg Lys Val Pro Arg Arg Ser Lys Ile Pro Tyr Asp
50 55 60

```
Ala Lys Thr Ile Gln Thr Ile Lys His His Asn Lys Asn Tyr Asn Ser
 65                  70                  75                  80

Phe Val Ser Cys Asn Arg Lys Met Lys Pro Pro Tyr Leu Lys Glu Leu
                 85                  90                  95

Tyr Val Ser Ser Ser Leu Ala Asn Cys Pro Met Leu Gln Glu Ser Glu
            100                 105                 110

Lys Pro Lys Thr Glu Ile Ile Lys Val Asp Gln Ser His Ser Glu Asp
        115                 120                 125

Asn Thr Tyr Gln Ser Leu Val Glu Gln Leu Asp Gln Glu Arg Glu Lys
    130                 135                 140

Arg Trp Arg Ala Glu Gln Ala Glu Asn Lys Leu Met Asp Tyr Ile Asp
145                 150                 155                 160
```

<210> 8428
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8428

```
Tyr Val Asp Ile Pro Phe Arg Asn Ile Thr Ala Val Asn Tyr Met Arg
  1               5                  10                  15

Leu Ala Ser Gln Met Leu Phe Gly Leu Lys Lys Leu Leu Gln Ser Gln
             20                  25                  30

Val Asn Gly Ile Phe Leu Asn Pro Thr Phe Xaa Val
         35                  40
```

<210> 8429
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8429
Cys Phe Tyr Lys Val Glu Gln Ile Glu Phe Arg His Ser Gly Lys Ala
1 5 10 15

Thr Gly Gly Xaa Xaa Leu Xaa
20

<210> 8430
<211> 47
<212> PRT
<213> Homo sapiens

<400> 8430
Ile Leu Asp Ala Thr Phe Asn Leu Ala Val Ile Pro Thr Ala Phe Leu
1 5 10 15

Phe Gly Ile Leu Thr Ile Ala Leu His Ser Glu Phe Leu Leu Arg Gly
20 25 30

His Tyr His Ser Arg Tyr Tyr Leu Ala Asn Asn Lys Tyr Arg Asp
35 40 45

<210> 8431
<211> 53
<212> PRT
<213> Homo sapiens

<400> 8431
Lys Tyr Val Phe Phe Phe Val Glu Ser Phe Gly Leu Phe Lys Phe Arg
1 5 10 15

Phe Cys Leu Arg Thr Val Lys Pro Arg Leu Thr Asp Ser Gly Asn Ser

20 25 30

Cys Leu Leu Val Thr His Lys Cys Thr Val Ile Cys Ser Leu Phe Leu
35 40 45

Asn Ile His Leu Leu
50

<210> 8432
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8432
Ala Leu Lys Lys Met Xaa Xaa Lys Asp Phe Gly Thr Lys Val Gly Xaa
1 5 10 15

Asn Leu Xaa Glu Lys Thr Leu Glu Lys Lys Glu Gly Xaa Asn Phe Asn
20 25 30

Asn Xaa Xaa Arg Thr Glu Ser Leu Xaa Leu Ala Gly Gly
35 40 45

<210> 8433
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8433
Thr Lys Asn Ile Tyr Tyr Tyr Leu Ser Ser Gln Xaa Met Pro Asn Phe
1 5 10 15

Phe Xaa Ile Xaa Ser Asp Xaa Gln Leu Lys Cys His Val Ala Leu Gln
20 25 30

Val His Cys Tyr Asn Asp Ser Ile Ser Arg Xaa Ala Cys Ser Xaa Ile
35 40 45

Val Cys Val Ala Leu Ile
50

<210> 8434
<211> 57
<212> PRT
<213> Homo sapiens

<400> 8434
Leu Lys Phe Leu His Val Arg Ile Leu Gln Ser Lys Asp Tyr Leu Tyr
1 5 10 15

Leu Tyr Ile Phe Phe Ser Lys His Cys Phe Ser Phe Ile Ser Gln Ile
20 25 30

Leu Thr Phe Cys Val Leu Ile Leu Ile Lys Phe Lys Leu Leu Ser Asn
35 40 45

Ser Ser Phe Asp Phe Leu Ile Asp Thr
50 55

<210> 8435
<211> 57
<212> PRT
<213> Homo sapiens

<400> 8435
Ala Leu Arg Gly Leu Val Ala Thr Leu Ala Ala Leu Gly Arg Gly Gln
1 5 10 15

Cys Pro Met Trp Thr Lys Glu Ala Arg Pro Gly Gln Thr Pro His Ser
20 25 30

Pro Glu Leu Thr Ala Cys Pro Lys Ser Lys His Leu Gly Gln Val Arg
35 40 45

Leu Leu Asp Gln Asp Cys His Cys Gly

50 55

<210> 8436
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8436
Met Ala Asn Xaa Thr Arg Pro Glu Asp Gly Ala Leu Lys His Gly Arg
1 5 10 15

Asn Xaa Gly Trp Leu Gln His Arg Val Thr Arg Tyr Xaa Thr Pro Tyr
20 25 30

Xaa Leu Thr
35

<210> 8437
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__0122920A2_I_>

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8437
Glu Lys Asp Gln Arg Ile Leu Asn Ser Arg Ser Asp Arg Lys Arg Ser
1 5 10 15

Ile Ser Xaa Glu Xaa Xaa Ile Xaa Gln Lys Ile Xaa
20 25

<210> 8438
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8438
Ile Val Ala Arg Leu Gly Gly Ser Phe Ser Pro Lys Ala Glu Glu Ile
1 5 10 15

Val Gly Phe Gln Gly Pro Ala Gly Ile Ser Xaa Arg Xaa Cys Gly Glu
20 25 30

Ser Ser Ser Leu Pro Gln Pro Xaa Glu Gly Tyr Asp Arg Xaa Ser Val
35 40 45

Asp Ile Thr Ser Leu Xaa Gln Arg Lys Leu Thr Phe Asp Thr His Ala
50 55 60

Leu Val Xaa Asp Leu Glu Thr His Xaa Ile Xaa Gln
65 70 75

<210> 8439
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8439
Leu Arg Xaa Xaa Leu Ile Arg Leu Thr Ile Gly Lys Xaa Xaa Thr Pro
1 5 10 15

Ala Val Thr Gly Thr Lys Phe Pro Gly Arg Pro Thr Arg Pro Leu Asn
20 25 30

Lys Tyr Ser His Cys Gln Ser Pro Xaa
35 40

<210> 8440
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8440
Ala Xaa Xaa Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly
1 5 10 15

Pro Gln Lys Arg Asp Xaa Xaa Gly Asn Val Ile Val Xaa Lys Ala Ser
20 25 30

Ala Ile Arg Arg Thr Leu Leu Cys Arg Arg Xaa Gly Ser Lys Ala
35 40 45

<210> 8441
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8441
Glu Phe His Xaa Trp Ser Tyr Tyr Gly Ser Leu Gln Ala Trp His Ser
1 5 10 15

Pro Val Met Gln Ser Ala Leu Val Pro Gly Cys Gln Pro His Ser Ile
20 25 30

Pro Tyr Leu Gly Val Asn Gly Ala Xaa Phe Leu Leu Xaa Val Cys Ser
35 40 45

Pro Asp Ser Ser Leu Pro Pro Arg Ile Cys Phe Arg Glu Ser Gln Thr
50 55 60

Thr Glu His Cys Pro Xaa Ala Leu Ser Ile Thr Leu
65 70 75

<210> 8442
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO__ 0122920A2_I >

<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8442
Met Thr Met Ile Thr Ala Xaa Xaa Asn Thr Xaa His Tyr Arg Glu Xaa
1 5 10 15

Trp Tyr Ser Val Xaa Val Pro Val Arg Asn Cys Arg Glu Arg Pro Thr
20 25 30

Arg Thr Ile Xaa Met Leu Leu Gly Met Leu Met Xaa
35 40

<210> 8443
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8443
Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
1 5 10 15

Ser Glu Glu Xaa Cys Ala Xaa Thr Ser Thr His Ala Lys Arg Lys Gly

20 25 30

Asp Xaa Ser Arg Cys Pro Xaa Gln Tyr Lys His
35 40

<210> 8444
<211> 39
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8444
Xaa Asn Thr Thr Xaa Tyr Arg Glu Xaa Trp Tyr Ala Cys Arg Tyr Arg
1 5 10 15

Ser Gly Ile Ser Arg Val Xaa Pro Arg Val Arg Gly Ile Phe Xaa Cys
20 25 30

Tyr Phe Trp Xaa Tyr Phe Xaa
35

<210> 8445
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8445
His Asn Asn Phe Thr Gln Glu Asn Xaa Tyr Asp His Asp Tyr Trp Gln
1 5 10 15

Xaa Xaa Ile Arg Xaa Thr Ile Gly Lys Gly Gly Xaa Pro Ala Gly Thr
20 25 30

Gly Pro Glu Phe Arg Gly Thr Thr His Ala Ser Ala Leu Asn Xaa Ser

35 40 45

Arg Arg Leu Lys
50

<210> 8446
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8446
Tyr Asp His Asp Tyr Trp Gln Xaa Xaa Ile Arg Xaa Thr Ile Gly Lys
1 5 10 15

Gly Glu Thr Pro Xaa Gly Xaa Gly Pro Glu Phe Pro Asp Thr Thr Pro
20 25 30

Arg Val Arg Glu Ser Val Leu Ala Gln Arg Xaa Xaa Ala Xaa Gln Xaa
35 40 45

Gln Asp
50

<210> 8447
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO_ 0122920A2_I_ >

<400> 8447
Thr Gly Met Thr Met Xaa Thr Ala Xaa Xaa Asn Thr Thr Xaa Tyr Arg
1 5 10 15

Glu Xaa Trp Asp Ala Cys Arg Asn Arg Ser Gly Ile Pro Gly Ser Thr
20 25 30

His Ala Thr Glu Ser Val Cys Ser Ile
35 40

<210> 8448
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8448
Lys Pro Lys Glu Ser Arg Ser Val Lys Val Arg Ser Gly Ile Pro Gly
1 5 10 15

Ser Xaa His Ala Ser Gly Val Ser Xaa Phe Lys Lys Met Xaa Phe Phe
20 25 30

Leu Lys

<210> 8449
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8449
Thr Thr Leu His Arg Xaa Xaa Xaa Met Thr Met Ile Thr Xaa Ser Ser
1 5 10 15

Asn Thr Thr His Tyr Arg Glu Xaa Trp Tyr Ala Cys Arg Tyr Arg Ala
20 25 30

Gly Ile Pro Gly Ser Thr His Ala Xaa Val Leu Phe Leu Leu Thr Asn

35 40 45

Xaa Asn Ile Ser Lys Thr Lys Arg Val Phe Xaa Xaa Leu Lys His Lys
50 55 60

<210> 8450
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8450

BNSDOCID: <WO__ 0122920A2 I >

Ala Leu Ile Arg Leu Xaa Ile Val Asp Cys Trp Xaa Ala Cys Xaa Tyr
1 5 10 15

Arg Ala Gly Ile Pro Gly Ser Thr His Ala Xaa Glu Leu Leu Ala Ala
20 25 30

Ile Tyr Xaa Lys Asn Ala Tyr Met His Ser Val Arg Lys Thr Leu Tyr
35 40 45

Xaa Xaa
50

<210> 8451
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8451
Thr Pro Xaa Gly Thr Gly Pro Glu Phe Pro Phe Xaa Pro Arg Val Arg
1 5 10 15

Pro Arg Xaa Arg Ile Phe Ile Ala Tyr His Leu Ile Leu Cys Ala Arg
20 25 30

BNSDOCID: <WO__0122920A2 I >

Glu Gly Met Ala Arg Ile Asn Met Pro Gln Tyr Pro His His Xaa Phe
35 40 45

Tyr Ser His Ser Cys Pro Xaa Phe Leu Trp His Ile Phe
50 55 60

<210> 8452
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8452
Ile Thr Xaa Ser Ser Xaa Thr Thr Gln Tyr Ser Asp Cys Trp Xaa Ala
1 5 10 15

Cys Xaa Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Arg
20 25 30

Pro Arg Leu Ser Xaa Leu Trp Xaa Xaa Trp Leu
35 40

<210> 8453
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8453
Leu Arg Gln Ala Leu Ile Arg Leu Thr Ile Gly Ile Ala Xaa Thr Pro
1 5 10 15

Ala Gly Thr Gly Pro Glu Phe Pro Asn Arg Pro Thr Arg Pro Leu Thr
20 25 30

Gly Xaa Ile Leu Lys Ile Pro Ser Thr Leu Ser Xaa Lys Asp Phe Xaa
35 40 45

Asn Xaa Leu Lys Cys Xaa
50

<210> 8454
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)

BNSDOCID: <WO 0122920A2 I_>

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8454
Gly His Val Pro Arg Pro Glu Phe Pro Gly Arg Pro Thr Arg Xaa Arg
1 5 10 15

Thr Arg Gly Ala Leu Phe Arg Tyr Pro Xaa Tyr Leu Ser Gly Tyr Xaa
20 25 30

Thr Thr Leu Xaa Leu Gly Pro Leu Xaa Glu Ser Pro Cys Val His Ala
35 40 45

Thr Pro Pro Leu Ser Leu Pro Gln Asn Leu Thr Xaa Glu Gly Thr Gly
50 55 60

Asn Xaa Gly Ala Xaa Val Ser Xaa Ile Arg Glu Leu Phe Asn Phe Ser
65 70 75 80

Ser Cys Gln Gly

<210> 8455
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8455
Ser Phe Thr Lys Gly Gly Phe Gln Xaa Ala Glu Ile Leu Xaa Phe Phe
1 5 10 15

Leu Cys Ser Gln Met Lys Pro Gly Ala Arg Thr Val Xaa Xaa Trp Tyr
20 25 30

Ile Ala Xaa Leu Ala Leu
35

<210> 8456
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO__ 0122920A2 I >

<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8456
Thr Lys Glu Leu Asp Ser Xaa Pro Gly Pro Gly Arg Leu Gly Thr Thr
1 5 10 15

Leu Ser Gly Met Gln Leu Xaa Leu Xaa His Arg Thr Ser Tyr Xaa Pro
20 25 30

Ser Xaa Glu Xaa Arg Gly Arg Asn Pro Gly Trp Pro His Trp Gln Pro
35 40 45

Xaa Xaa Phe Ser Ser Pro Xaa Pro Gln Lys Xaa Pro Phe Arg His Phe
50 55 60

Leu Gly Xaa Lys Ser
65

<210> 8457
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8457
Xaa Xaa Asp Trp Val Ser Leu Val Glu Leu Cys Pro Lys Thr Cys Met
1 5 10 15

Gly Tyr Asn Leu Xaa Ser Leu Pro Gln Leu Xaa Tyr Lys Ala Cys Gly
20 25 30

His Thr Gln Phe Gln Xaa Ala Tyr Gln
35 40

<210> 8458
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8458
Leu Leu Arg Thr Glu Ala Leu Glu Cys Leu Thr Val Gln Pro Gly Ser
1 5 10 15

His Arg Asn Ile Pro Ile Gln Arg Gln Lys Ser Val Val Cys Thr Met
20 25 30

Leu Ser Gly Gln Ile Arg Gly Ser Phe Leu Leu Thr Pro Cys His Cys
35 40 45

Glu Leu Pro Lys Gln Asp Pro Leu Ser Gly Lys Pro Leu Asn Gly Leu
50 55 60

Gln Ser Ser Lys Trp Ser Gln Ala Gln Glu Glu Leu Pro Arg Val Ile
65 70 75 80

Gln Asn Ala Leu Trp Glu Ala Xaa Val Glu Asn Gln His Thr Gln Arg
85 90 95

Leu

<210> 8459
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8459
Gly Thr Arg Ala Gly Ile Xaa Gly Ser Xaa His Ala Phe Gly Val Xaa
1 5 10 15

Ser Ala Gly Arg Arg Xaa Ile Arg Lys Pro Ile Asp Arg Ile Ile Ala
20 25 30

Arg His Asp Leu Xaa Gln Xaa Pro Leu Ser Ile Leu Leu Lys
35 40 45

<210> 8460
<211> 63
<212> PRT
<213> Homo sapiens

<400> 8460
Asp Leu Lys Met Ile Ser Leu Ser Pro Leu Leu Arg Ser Phe Gln Gly
1 5 10 15

Thr Thr Ile Arg Ala Leu His Pro Asn Thr Leu Ala Ser Phe Trp Ser
20 25 30

Phe Cys Pro Gly Thr Glu Val Gln Leu Gly Asp Pro Ser His Thr Gly
35 40 45

Glu Gly Val Ala Val Glu Pro Gln Thr Pro Trp Ser Pro Gln Glu
50 55 60

<210> 8461
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO __ 0122920A2 I >

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8461
Val Arg Ser Arg Ile Phe Ser Ile Gly Xaa Lys Val Xaa Val Xaa Arg
1 5 10 15

Xaa Met

<210> 8462
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8462
Gln Leu Lys Ser Met Gly Asn Pro Xaa Ile Glu Ile Val Phe Ala Xaa
1 5 10 15

Lys Val Pro Phe Xaa
20

<210> 8463
<211> 33
<212> PRT

BNSDOCID: <WO__ 0122920A2 I >

<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8463
Lys Cys Xaa His Phe Leu Lys Ser Xaa Thr Lys Ala Leu Tyr Phe Leu
1 5 10 15

Phe Lys Lys Ser Leu Pro His Leu Val Lys Ile Phe Ser Tyr Leu Xaa
20 25 30

Ser

<210> 8464
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8464
Glu Phe Ile Val Val Tyr Leu Phe Lys Tyr Leu Thr Phe Lys Phe Leu
1 5 10 15

Thr Ile Tyr Phe Ile Leu Xaa Ser Xaa Val Ala Trp Ile Xaa His Ile
20 25 30

His Thr Xaa Lys
35

<210> 8465
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO_ 0122920A2 1 >

<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8465
Arg Pro Xaa Ala Ala Ala Trp Thr Gly His Xaa Met Xaa Pro Leu Thr
1 5 10 15

Ala Ala Arg Ser Ala Met Gln Asp Tyr Xaa Val Ser Pro Ile Gly Asp
20 25 30

Pro Trp Arg Thr Met Leu Arg Phe Xaa Leu Xaa Gly Xaa Xaa
35 40 45

<210> 8466
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8466
Thr Ser Ser Arg Ser Arg Ala Ala Ala Leu Phe Phe Pro Phe Tyr Ile
1 5 10 15

Phe Leu Xaa Val Tyr Asp
20

<210> 8467
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8467

Pro Phe Gln Pro Ala His Ala Val Glu Asp Lys Phe Thr Asp Leu Ala
1 5 10 15

Thr Asp Glu Phe Gln Thr Glu Gly Ile Arg Lys Thr Val Ser Ile Val
20 25 30

Ser Leu Glu Leu His Ser Xaa Phe Lys Ala Ser Ala Ile Arg Lys Asp
35 40 45

Asp Phe Tyr Leu Leu Gly
50

<210> 8468
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8468
Pro Xaa Val Arg Pro Arg Val Arg Phe Arg Arg Asn Thr Ser Lys Gly
1 5 10 15

Asp Xaa Thr Met Ile Phe Thr Xaa
20

<210> 8469
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8469

Gln Pro Ile His Thr Arg Ala Xaa Leu Xaa Xaa Tyr Thr Xaa Ala His
1 5 10 15

Tyr Ser Leu Gln Leu His Met Leu Tyr Leu Asp His Ser Glu Ala Asn
20 25 30

Ser Xaa His Tyr Ile Ile Val Ser Ile Asn Ile Ser Asn Xaa Leu Lys
35 40 45

Tyr Thr Ile Xaa Ile Gln Ala Ser Pro Ile Val Pro Gln Met Phe Gly
50 55 60

<210> 8470

<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8470
Arg Tyr Cys Ile Ile Leu Arg Lys Cys Gly Tyr Leu Asp Val Tyr His
1 5 10 15

Thr Val Ser Leu Cys Leu His Thr Asn Leu Cys Lys Lys Cys Ile Leu
20 25 30

Val Cys Val Pro Gln Pro Ala Val Cys Phe Leu Xaa Val Leu Val Xaa
35 40 45

Phe Lys Tyr Lys
50

<210> 8471
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO 0122920A2 I >

<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8471
Val Gly Arg Arg Phe Leu Ile Leu Thr Arg Thr Ser Ser Tyr Val Val
1 5 10 15

Pro Ser Trp Xaa Ser Pro Gly Gly Pro Gln Lys Ser Leu Ile Ala Gly
20 25 30

Xaa Val Cys Ser Ser Val Ser Val His Ser Phe Gly Val Ala Arg Arg
35 40 45

Cys His Xaa Leu Cys Xaa Met Met Ala Gly Ala Xaa Ala Thr Xaa Pro
50 55 60

Pro Gln
65

<210> 8472
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8472
Xaa Thr Xaa Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Met Arg
1 5 10 15

Pro Val Ile Ser Val Ile Lys Lys Ile Thr Glu Pro Leu Lys Gly Ile
20 25 30

His Xaa Xaa Trp
35

<210> 8473
<211> 77
<212> PRT
<213> Homo sapiens

<400> 8473
His Val Glu Arg Ser Cys Pro Pro Gly Arg Gln Glu Ala Met Pro Thr
1 5 10 15

Ala Pro Gly Gln Ala Ser Ser Gln Lys Ala Leu Ser Ala Gly Leu Ala
20 25 30

Ala Ile Pro Val Leu Gly Gly Pro Arg Ala Arg Leu Pro Glu Val Arg
35 40 45

Trp Pro Glu Ser Trp Asp Ser Val Leu Gly Leu Leu Ala Ala Glu Gln
50 55 60

Ala Ala His Leu Thr Ser Val Val Ala Ser Phe Ser Arg
65 70 75

<210> 8474
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8474

```
Gln Thr Pro Ala Val Val Ser Val Xaa Pro Xaa Ser Gly Leu Trp Pro
  1               5                  10                  15

Xaa Leu Leu Val Leu Val Thr Pro Ser Leu Xaa Xaa Pro Pro Pro Trp
             20                  25                  30

Tyr Val Tyr Ser Leu Gln Val Leu His Lys Ser Xaa Cys Leu Xaa Cys
         35                  40                  45

Gly Glu Gly Arg Leu Leu Xaa Leu Gly Ser Val Asp Arg Lys Glu His
     50                  55                  60
```

BNSDOCID: <WO__ 0122920A2_I_>

Thr Cys Xaa Cys Ile
65

<210> 8475
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8475
Arg Glu Gly Gly Lys Val Trp Gly Gly Gly Cys Glu Asn Leu Gly Leu
1 5 10 15

Ile Leu Xaa

<210> 8476
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8476
Trp Xaa Leu Pro Xaa Met Arg Gly Ile Arg Trp Leu Glu Asp Glu Val
1 5 10 15

Asp Gly Arg Leu Tyr Ile Ile Phe Thr Pro Leu Cys Pro Phe Asn Phe
20 25 30

Lys Leu Arg Asp Val Thr Cys Ser Lys Ser Arg Asp Lys Ile
35 40 45

<210> 8477
<211> 12
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8477
Ala Xaa Asn Lys Arg Leu Lys Tyr Cys Asn Lys Thr
1 5 10

<210> 8478
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8478
Thr Xaa His Phe Pro Arg Leu Arg Glu His Xaa Asp Leu His Arg Val
1 5 10 15

Leu Cys Leu His Xaa Met Pro Ser Gly Thr Ile Trp Phe Ile Leu Val
20 25 30

Gly Arg Ile Phe Ala Xaa Glu Lys Lys Ile Tyr Met Tyr Leu Ile Leu
35 40 45

Ile Xaa Leu His
50

<210> 8479
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8479
Val Xaa Arg Val Xaa Val Pro Ala Arg Ala Gly Val Val Xaa Ala Glu
1 5 10 15

<210> 8480
<211> 74
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

ENSDOCID: <WO 0122920A2 I >

<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8480
Cys Gly Ser Trp His Asn Arg His Tyr Leu Ala Lys Asp Pro Ser Phe
1 5 10 15

Leu Phe Leu Tyr Phe Ala Gln Arg Pro Gly Arg Leu Xaa Xaa Lys Ala
20 25 30

Lys Ser Pro Gly Phe Pro Cys His Leu Ala Phe Lys Cys Ala Gln Pro
35 40 45

Met Thr Gly Trp Lys Glu Ile Asp Ser Xaa Gly Lys Arg Gly Xaa Ile
50 55 60

Cys Val Gln Glu Xaa Phe Xaa Phe Pro Xaa
65 70

<210> 8481
<211> 30
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8481
Asn Xaa Ala Asp Met Glu Val Leu Xaa Trp Thr His Arg Glu Gly Ala
1 5 10 15

Val Trp Lys Leu Phe Gly Ser Xaa Xaa Met Met Xaa Val Ala
20 25 30

<210> 8482
<211> 42
<212> PRT
<213> Homo sapiens

<400> 8482
Ser Arg Ile Ala Leu Ser Lys Trp Leu Pro Ser Ala Glu Asp Arg Phe
1 5 10 15

Phe Ser Pro Ile Cys Leu Tyr Val Glu Lys Trp Tyr Arg Ile Gly Thr
20 25 30

Val Phe Glu Asp Leu Met Tyr Ile Tyr Lys
35 40

<210> 8483
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

BNSDOCID: <WO__ 0122920A2 I >

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8483
Gly Xaa Leu Val Arg Xaa Gln Val Pro Val Arg Asn Ser Arg Val Asp
1 5 10 15

Pro Arg Xaa Arg Thr Asn Xaa Gly Thr Val Lys Asp Ser Gln Xaa Xaa
20 25 30

Xaa Ser Arg Gln Glu Asn Phe Val Xaa Leu Leu Cys Val Asp Arg Leu
35 40 45

Xaa Ser Val Xaa Pro Met Glu Met Pro Thr Gly Leu Asp Ala Trp Arg
50 55 60

Leu Xaa Xaa Xaa Xaa Arg
65 70

<210> 8484
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8484
Trp Ile Leu Phe Leu Ser Trp Ser His Phe Val Thr Cys Phe Cys Pro
1 5 10 15

Arg Glu Pro Gln Gly Ser Glu Ser Cys Ala Pro Gly Gln Gly Leu His
20 25 30

Leu Pro Ser Xaa Val Pro Pro Trp Ala Pro Gly Ala Ser Gly Ala Val
35 40 45

Pro Gly Xaa Ser Xaa Thr Xaa Xaa Val Thr Ala Glu Pro Leu Pro His
50 55 60

Pro Ser Leu
65

<210> 8485
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8485
Ile Leu Met Glu Thr Pro Asp Tyr Arg Val Xaa Trp Asn Ala Pro Gln
1 5 10 15

Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Xaa Arg Thr Val Xaa
20 25 30

Gly Thr Thr Leu Arg Trp Xaa Xaa Met Lys Thr Arg Arg Thr
35 40 45

<210> 8486
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8486
Met Xaa Leu Xaa Xaa Gly Gly Cys Gly Gly Pro Leu Arg Glu Gln Lys
1 5 10 15

Pro Cys Met Ser Asp Arg Val Cys Gln Pro Tyr Pro Xaa Met Glu Leu
20 25 30

Leu Pro Ala Thr Ser His Arg Gly Ile Ile Val Ala Gly Leu Leu Xaa
35 40 45

Cys Ile Thr Glu Leu Trp Arg Cys Val Cys Gly Gly Glu Asp Ser Ile
50 55 60

Xaa Arg Gly Val His Xaa Ala Glu Ala Val Xaa Cys Gln Gly Xaa Met
65 70 75 80

Ala Leu Thr Ala

<210> 8487
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8487
Met Tyr Lys Xaa Ser Tyr Ile Leu Xaa Xaa Arg Gln Asn Ile Met Val
1 5 10 15

Glu Pro Asn Leu Ile Cys Ser Leu Ser Asn Ile Glu Xaa Phe Lys Arg
20 25 30

Tyr Xaa Ile Met Met Asn
35

<210> 8488
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8488
Leu Ile His Tyr Xaa Lys Lys Arg Met Gly Glu Lys Xaa Lys Xaa Ala
1 5 10 15

Leu Arg Pro Pro Thr Thr Ala Met His Ala Ser Ser Ile Xaa His Xaa
20 25 30

Ser Ser Leu Xaa Arg Tyr Asn Ala Cys Trp Lys Pro Cys Val Pro Thr
35 40 45

Asn Arg Leu Thr His Pro Xaa Xaa Val Gly Asn Glu Xaa Ala Ala Val
50 55 60

Ala Phe His Ser Gly Xaa Xaa
65 70

<210> 8489
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8489
Val Val Arg Asn Leu Xaa Ala Trp Thr Xaa Ser Asn Arg Cys Ser Tyr
1 5 10 15

Ser Ser Trp Cys Ala Cys Xaa Leu Pro Ile Leu Xaa Pro Thr Phe Leu
20 25 30

Leu Leu

<210> 8490
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8490
Xaa Tyr Xaa Ser Leu Val Glu Leu Ile Met Ile Cys Pro Arg Xaa Gly
1 5 10 15

Phe Leu Glu Leu Xaa Ser Ser Pro Asn Xaa Pro Asp Pro Lys Val Arg
20 25 30

Leu Ser Ala Xaa Arg Pro Asp Arg His Thr Gly Arg Gln Gln Ser Thr
35 40 45

Lys Thr Xaa Asp Ile
50

<210> 8491
<211> 41
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8491
Ser Phe Phe Ser Ile Ala Xaa Ser Pro Ser Xaa Glu Gln Val Glu Xaa
1 5 10 15

Ala Asn Ala Ser His Ala Arg Met His Glu Ala Val Thr Thr Thr His
20 25 30

Ala Xaa Ser Leu Ser Cys Pro Gly Lys
35 40

<210> 8492
<211> 32
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8492
Phe Val Val Asp Leu Tyr Leu Xaa Leu Xaa Asn Val Thr Lys Ile Ser
1 5 10 15

Tyr Arg Tyr Met Lys Leu Xaa Xaa Ser Lys Ser Thr Ile Thr Leu Asn
20 25 30

<210> 8493
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8493
Thr Val Ser Ser Ile Asn Gln Gln Xaa Cys Thr Leu Gly Ile Thr Pro
1 5 10 15

Asn Asp Xaa Lys Ala Lys Xaa Leu Lys Gly Cys Leu Leu Ile Xaa Arg
20 25 30

Thr Ser Pro Xaa Lys Xaa Leu Phe Xaa Asp Cys Xaa Thr Asp Lys Leu
35 40 45

Trp Ser Xaa Xaa Arg Asn Val Lys Gln Thr Xaa Val Asn Ile

BNSDOCID: <WO__0122920A2 I >

50 55 60

<210> 8494
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8494
Xaa Pro Glu Glu Arg His Val Arg Xaa Trp Phe Gly Gly Ile Arg Glu
1 5 10 15

Ala Ala Gln Val Val Gly Xaa Arg Cys Arg Xaa Arg Leu Phe Gly Thr
20 25 30

Glu Arg Ala Arg Xaa Arg Leu Gly Gly Xaa
35 40

<210> 8495
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8495
Xaa Ser Ser Xaa Arg Arg Cys Xaa Pro Val Ala Asp Leu Thr Thr Cys
1 5 10 15

Gly Xaa Glu Ser Pro Gly Gly Arg Leu Thr Thr Gln Pro Glu Thr Ala
20 25 30

Leu Gly Ser Gln Leu Ile Arg Ser Trp Gly Ser Val Ser Xaa Cys Glu
35 40 45

Pro Leu His Ala Asp Thr Leu Gln Ala Arg Ala Xaa Arg Pro Leu Leu
50 55 60

Leu Gln Leu His Leu Arg
65 70

<210> 8496
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8496
Ile Cys Trp Phe Val Leu Xaa Xaa Leu Phe Pro Thr Pro Leu Asn Lys
1 5 10 15

Val His Glu Lys Tyr Arg Pro Thr Xaa His Cys Leu Leu Cys Ser Xaa
20 25 30

Lys Thr Arg Gly Xaa Xaa Ser Phe Gly Leu Leu Thr Val
35 40 45

<210> 8497
<211> 70

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8497
Arg Leu Ser Pro Gly Ala Phe Xaa Tyr Val Xaa Tyr Cys Xaa Glu Xaa
1 5 10 15

Tyr Thr Asp Pro Leu Leu Arg Arg Ser Gly Pro Leu Arg Glu Pro Ser
20 25 30

Pro Thr Xaa Pro Asn Pro Lys Gly Gln Leu Ser Gly Pro Ser Arg Arg
35 40 45

Thr Pro Gly Xaa Lys Glu Ala Ala Leu Thr Thr Ser Pro Gln Glu Met
50 55 60

Ala Gln Ser Val Lys Xaa
65 70

<210> 8498
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8498
Lys Gly Asn Leu Lys Leu Lys Ser Gln Glu Gly Glu Xaa Ile Asp Arg
1 5 10 15

Xaa Leu Pro Cys Arg Glu Xaa Gln Asp Pro Asp Leu His Asp Ser Glu
20 25 30

Arg His Asp Lys Arg Arg Leu Thr Val Asn Gln Gly Xaa Lys Lys Arg
35 40 45

Xaa Glu Xaa Leu Ala Leu Ser Asn Gln Trp Trp Tyr Lys Asn Gly Gly

50 55 60

Pro Gly Trp
65

<210> 8499
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8499
Leu Xaa Lys Glu Thr Arg Leu Arg Pro Thr Arg Ile Lys Ala Xaa Thr
1 5 10 15

Lys Thr His Ser Gly Arg Trp Xaa Arg Gly Xaa Gly Trp Lys Thr Met
20 25 30

His Glu Gly Xaa His Leu Phe Ser Leu Ala Xaa
35 40

<210> 8500
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8500
Asp Tyr Xaa Arg Thr Xaa Tyr Xaa Phe Xaa Met Thr Ser Asp Lys Asp
1 5 10 15

His Tyr Asn Cys Pro Thr Xaa Ser Thr Val Tyr Asn Ile Ala Gly
20 25 30

<210> 8501
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8501
Leu Tyr Val Xaa Lys Xaa Leu Ile Leu Asn Glu Gly Xaa Lys Leu Val
1 5 10 15

Tyr Cys Val Leu Xaa Arg Gly Ile Thr Leu Cys Gly Ile Val Thr Gly
20 25 30

Ile Ser Glu Glu Glu Asn Gly Lys Met Arg Ser Xaa Ile Arg Arg Trp
35 40 45

Val Asp His Arg Xaa Gln Cys Ile Thr Xaa Xaa Glu Asp Ile Xaa Lys
50 55 60

Gly Lys
65

<210> 8502
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8502
Asn Ser Leu Pro Ser Glu Leu Leu Thr Phe Xaa Leu Gly Ser Thr Ile
1 5 10 15

Pro Arg Xaa Gly Asp Asn Gly Thr Asp Thr His Thr Xaa Pro His Arg
20 25 30

Xaa His

<210> 8503
<211> 43
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8503
Glu Trp Gly Arg Gly Gly Leu Lys Ile Leu Trp Gly Gly Xaa Ser Pro
1 5 10 15

Asn Ile Val Pro Pro Ser His Pro Arg Thr Xaa Leu His Ile Asp Ala
20 25 30

Xaa His Arg Gly Gly Ser Lys Leu Pro Leu Ser
35 40

<210> 8504
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8504
Ile Val Phe Lys Ala Xaa Arg Gly Asp Leu Gly Thr Leu Gly Glu Ser
1 5 10 15

Thr Xaa Arg Phe Gly Met Xaa Asn Pro Arg Tyr Xaa Ile Ile Glu Gln
20 25 30

Xaa Tyr Asp Arg Asn Leu Phe Ile Gln Gln Ser Trp Asp Val
35 40 45

<210> 8505
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8505
Xaa Ala Gln Xaa Arg Asp Gly Ser His Leu Xaa Pro Asp Tyr Ile Xaa
1 5 10 15

Phe Asp Thr Phe Thr His Lys Val Asp Lys Arg Val Thr Lys Phe Val
20 25 30

Gln Asn Ser His Xaa Pro Arg Ala Xaa Thr Asp Ser Ala Gly Thr Gln
35 40 45

Leu Leu Phe Pro Lys Pro Arg Thr Pro His Glu Ser Pro Xaa Pro Xaa
50 55 60

Val His Xaa Arg Xaa Gly
65 70

<210> 8506
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

BNSDOCID: <WO_ _ 0122920A2_I_>

<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8506
Asn Glu Leu Gly Met Glu Arg Leu Ala Ser Met Leu Gly Met Pro Xaa
1 5 10 15

Glu Ala Pro Xaa Asp Glu Asp Thr Ile Asn Leu Leu Trp Xaa Xaa Asp
20 25 30

Gln Thr Thr
35

<210> 8507
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8507

BNSDOCID: <WO__0122920A2_I_>

Xaa Thr Ala Xaa Met Xaa Gly Leu Lys Arg Asp Leu Gly Thr Lys Glu
1 5 10 15

Ile Arg Asn Cys Met Lys Glu Met Glu Xaa Arg Cys Ala His Cys Thr
20 25 30

Arg Leu Asn Lys Ala Ala Gly Gln Arg Asn Lys Asp Val His Thr Glu
35 40 45

Ser Val Cys Arg Leu Pro Glu Thr
50 55

<210> 8508
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8508
Met Arg Arg Ser Val Pro Ser Trp Xaa Xaa Glu Pro Ala Leu Pro Arg
1 5 10 15

Xaa Thr Leu Gly Tyr Pro Leu Leu Leu Pro Cys Cys Val Gly Arg
20 25 30

<210> 8509
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)

BNSDOCID: <WO_ 0122920A2 I >

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8509

Ser Pro Xaa Xaa Gln Gly Val Arg Gln Xaa Arg Lys Cys Cys Val Xaa
1 5 10 15

Cys His Arg Pro Ser Thr Thr Cys Gly Arg Thr Gln Leu Leu Pro Pro
20 25 30

Lys Pro Lys Ala Pro Tyr Asp Leu Arg Thr Leu Arg His Val Arg Gly
35 40 45

Gly Asp Val Thr Thr Lys Thr Arg Xaa Pro Val Gln Pro Gly Pro Trp
50 55 60

Thr Ala Trp Xaa Xaa His Asn Ala Arg Gln Ala Thr Glu Glu Gln Ser
65 70 75 80

Thr Ala Arg Pro

<210> 8510
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8510
Glu Val His Arg Leu Thr Cys Val Glu Phe Cys Asp Leu Val Cys Arg
1 5 10 15

Glu Thr Gly Xaa Leu Lys Xaa Thr Leu Leu Arg Tyr Gln Leu Leu Met
20 25 30

Ile Ser

<210> 8511
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8511
Leu Lys Ser Xaa Leu Glu Thr Ser Tyr Ile Ser Leu Phe Asn Ile Xaa

BNSDOCID: <WO__ 0122920A2_I_>

1 5 10 15

Lys Glu Thr Asn Cys Gln Gly Leu Cys Arg Gln His Xaa Ile Ser
20 25 30

<210> 8512
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8512
Leu Ile Xaa Thr Thr Xaa Ser Glu Lys Pro Leu Pro Arg Ile Xaa Leu
1 5 10 15

Lys Arg Thr Trp Thr Xaa Xaa Leu Phe Thr Asp Trp Leu Ser Ser Gln
20 25 30

Glu Arg Thr Lys Ser Thr Thr Gly Ser Ser Arg Lys Ser Gly Xaa Xaa
35 40 45

Leu Glu Ile Xaa Arg Glu Xaa Gln Cys Ser Glu Gly Glu Xaa Thr Ser
50 55 60

<210> 8513
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8513
Tyr Thr Cys Ile Val Arg Lys Cys Asp Xaa Ala Arg Val Ser Asn Asn
1 5 10 15

Xaa Pro Tyr Lys Pro Gln Gln Xaa Xaa His Leu Ile Phe Arg Lys Lys
20 25 30

Arg

<210> 8514
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO___0122920A2_I_>

<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8514
Ala Glu Thr Leu Leu Glu Cys Val Xaa Cys His Leu Trp Arg Phe Gly
1 5 10 15

Leu Xaa Arg Cys Lys Trp Thr Ala Pro Ser Ala Ala Leu Leu Trp Arg
20 25 30

Leu Trp Xaa Glu Glu Leu Val Thr Xaa Val Thr Lys Trp Trp Leu Cys
35 40 45

Ala Xaa Leu Pro Xaa Leu Xaa His Gly Pro Ser Val Val Arg His Leu
50 55 60

Gln Arg Xaa Arg Pro Ala Leu His Asp Arg Leu Xaa
65 70 75

<210> 8515
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8515
Tyr Gly Glu Thr Arg Leu Thr Phe Gly Lys Ala Ala Thr Pro Ala Gly
1 5 10 15

Thr Gly Pro Glu Phe Pro Gly Leu Pro Thr Leu Xaa Leu Lys Ser Cys
20 25 30

Cys Phe Phe His Lys Lys Lys Lys
35 40

BNSDOCID: <WO_ 0122920A2_I >

<210> 8516
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8516
Arg Arg Xaa Trp Glu Arg Thr Thr Glu Lys Trp Xaa Asp Val Asp Gly
1 5 10 15

Val Pro Leu Val Ser Ala Leu Val Leu Leu Trp Gly Asn Val Leu Tyr
20 25 30

Xaa Phe Lys Gly Leu Cys Gly Gln Glu Ser Leu Gly Asn Thr Val Pro
35 40 45

Asn Val Cys Lys Pro His Asp Pro Ile Gln Leu His Asp Ser Phe Tyr
50 55 60

<210> 8517
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8517
His Gly Gly Ala Ala Xaa Ala Pro Arg Arg Gly Arg Ala Ser Arg Ala
1 5 10 15

Gly Ser Ala Pro Ala Leu Ser Arg Gly Gly Gly Ala Glu Asp Ala Pro
20 25 30

Ala Ala Gly Ala Ser Ala Leu Ser Glu Ala Gly Arg Ala Ala Asp Ala
35 40 45

Pro Gly Gln Gly Arg Glu Xaa Trp Arg Arg Arg Arg Met Ala Leu Thr
50 55 60

Gly Ala Val Ser Glu Pro Leu Arg Ser Pro Gly Glu Ala Trp Pro Ser
65 70 75 80

<210> 8518
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8518
Val Arg Asp Xaa Phe Gly Xaa Ala Pro Gly Pro Val Leu Pro Gly Arg
1 5 10 15

Pro Thr Arg Ala Lys Xaa Xaa Ile His Val Phe Glu His Leu Met Val
20 25 30

Xaa Thr Val Leu Asn Val Met Leu Gly Xaa Lys
35 40

<210> 8519
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8519
Xaa Gly Asn Ala Pro Tyr Arg Val Arg Trp Asn Ala Arg Arg Tyr Arg
1 5 10 15

Ser Gly Ile Ser Gly Ser Thr His Ala Ser Gly Val Xaa Xaa Gly Leu
20 25 30

Gly Thr Thr Val Leu Met Glu Gly Glu Ala Thr Xaa Arg Lys Xaa Asp
35 40 45

<210> 8520
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8520
Xaa Xaa Tyr Arg Val Arg Trp Asn Ala Arg Arg Tyr Arg Ser Gly Ile
1 5 10 15

Xaa Gly Ser Thr His Ala Ser Gly Ala Xaa Arg Asp Gln Ile Arg Glu
20 25 30

Pro Val Ser Leu Xaa His Gly Leu Arg Arg Pro Arg Val Gly Ala Ala
35 40 45

Pro Pro Gln Pro Ala Ala His Ala His Leu Leu Glu Arg Leu Leu Gln
50 55 60

Leu Arg Pro Val His Arg Leu Pro Gly Ala His Ala Ala Gly Pro Ala
65 70 75 80

Leu Ser Asp Ala Gln Leu Ala Ala Pro Asp Leu Leu Gly Leu Leu Xaa
85 90 95

Ala Xaa Xaa Xaa
100

<210> 8521
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8521
Gly His Pro Ser Ala Arg Gly Asn Cys Leu Thr Gly Val Cys Leu Cys
1 5 10 15

Pro Phe Glu Pro Leu Xaa Phe Tyr Leu Ala Gln Ala Pro Arg Phe Met
20 25 30

Phe Ser Arg Ser Lys Leu Cys Met Xaa Ser Leu Arg Arg Leu Gly Glu
35 40 45

Glu Xaa Xaa Xaa Gln Xaa Trp Asp
50 55

<210> 8522
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8522
Arg Glu Lys Cys Pro His Leu Leu Xaa Ser Xaa Ser Leu Thr Xaa Ser
1 5 10 15

His Xaa Leu Xaa Ser Asp Pro Xaa Phe Thr Xaa Asp Leu Pro Leu Leu
20 25 30

Arg Ser Ser Ser Ser Xaa Xaa Thr
35 40

<210> 8523
<211> 32

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8523
Xaa Xaa Lys Ala Pro Val Arg Ile Trp Arg Val Asp Pro Arg Cys Pro
1 5 10 15

Xaa Xaa Phe Leu Leu Gly Asn Ala Xaa Asn His Val Leu Asp Glu Cys
20 25 30

<210> 8524
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8524
Gly Trp Asn Ala Arg Arg Tyr Arg Xaa Gly Ile Xaa Gly Ser Thr His
1 5 10 15

Ala Xaa Gly His Asn Xaa Gly Ser Pro Gly Leu Lys Gln Xaa Gly Trp
20 25 30

Asn Pro Gln
35

<210> 8525
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8525
Thr Thr Asp Xaa Ser Glu Thr Xaa His Tyr Arg Val Arg Xaa Asn Ala
1 5 10 15

Arg Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly Thr
20 25 30

Leu Leu Lys Phe Leu Cys Lys Leu Gly Leu Cys Xaa Ser Xaa Ser Cys
35 40 45

Val Ser Arg Thr Val Xaa
50

<210> 8526
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8526
Thr Leu Xaa Xaa Ser Pro Xaa Glu Ser Ala Xaa His Ala Ser Asn Trp
1 5 10 15

Pro Thr Ala Cys Leu Ser Ala Asp Glu Leu Arg Ile Cys Lys Thr Val
20 25 30

Gln Leu Gln Gln Xaa Ser Leu Ser Arg Thr Ser Xaa Ala Thr His Xaa
35 40 45

His Arg Ile Ser Leu Xaa Ile Val Leu Cys Ser Ala Asn Gly Met Leu
50 55 60

<210> 8527
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8527
Tyr Xaa Xaa Asp Asp Leu Phe Pro Pro Cys Ala Gly Lys Arg His Arg
1 5 10 15

Arg Pro Gly Ile Ala Lys Leu Ser Leu Xaa Lys Asp Asp Leu Asp Xaa
20 25 30

Ser Arg Ala Xaa Ala Ser Ser Arg Arg Gly Arg Phe Val Lys Pro
35 40 45

<210> 8528
<211> 36
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8528
Tyr Ala Asp Asp Ile Arg Leu Phe Ser Lys His Pro Pro Ser Ser Thr
1 5 10 15

Glu Cys Asp Val Xaa Pro Gln Xaa Leu Xaa Gly Leu Arg Trp Xaa His
20 25 30

Ser Ser Leu Glu
35

<210> 8529
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8529
Leu Pro Val Tyr Xaa Gly Xaa Leu Gly Thr Thr Arg Asn Leu Asn Ser

1 5 10 15

Lys Trp Pro Ser Xaa Xaa Thr Leu Cys Ile Xaa
20 25

<210> 8530
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8530
Xaa Thr Xaa Pro Lys Gln Ala Ser Arg Asn Ser Gly Arg Xaa Gln Gly
1 5 10 15

Cys Ser Val Gln Ala Thr Cys Val Ala Arg Xaa Xaa Leu Tyr Leu Leu
20 25 30

Phe Xaa Thr Asn Ala Ala
35

<210> 8531
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8531
Ile Gly Gly Ser Met Trp Ile Xaa Cys Leu Ile Ser Xaa Ala Ser Xaa
1 5 10 15

His Leu Leu Arg Ala Val Ile Glu Pro Ser Ser Xaa Ala Thr Gly Glu
20 25 30

His Met

<210> 8532
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8532
Trp Thr Xaa Xaa Arg Pro Xaa Gly Val Val Pro Asn Ser Ser Leu Xaa
1 5 10 15

Cys Arg Gln Asp Leu Asn Thr Asn Glu Ile Leu Gln Pro Leu Thr Glu
20 25 30

Asn Arg Ala His Arg Ser Ser Val Thr Lys Gly Glu Thr Leu Thr
35 40 45

<210> 8533
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8533
Xaa Val Asp Arg Ser Val Ser Xaa Ala Glu Pro Xaa Leu Pro Thr Leu
1 5 10 15

His Pro Arg Val His Phe Ser Ala Leu Xaa Leu Arg Xaa His Thr Thr
20 25 30

Asp Ser Thr Thr Thr Cys Xaa Gly Arg Arg Leu Ser
35 40

<210> 8534
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8534
Asn Pro Leu Thr Thr Arg Arg Ala Pro Val Xaa Trp Ala Val Cys Leu
1 5 10 15

Gly Leu Trp Xaa Ser Xaa Asn Gly Arg Leu Xaa Ser Ala Pro Ile Arg
20 25 30

Thr Leu Glu Ser Gly Ser Ser Leu Met Ser Ser Arg Pro Pro Xaa Arg
35 40 45

Met Glu Gln Leu Leu Asp Gly Thr
50 55

<210> 8535
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8535
Gly Lys Xaa Pro Gly Thr Ser Trp Xaa Lys Gly Pro Pro Phe Xaa Gly
1 5 10 15

Lys Thr Gly Pro Arg Lys Lys Gly Arg Xaa Xaa Arg Ala Ala Thr Lys

20 25 30

Pro

<210> 8536
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8536
Cys Leu Ile Ala Trp Leu Pro Xaa Ile Ser Thr Ile Ile Phe Leu Gly
1 5 10 15

Lys Phe Ser Phe Phe Cys Lys Pro Thr Ser Xaa Asp Xaa Xaa Asn His
20 25 30

Phe Leu

<210> 8537
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8537
Ser Ala Ala Xaa Xaa Ser Arg Gln Ser Ala Thr Ile Glu Ala Ala
1 5 10 15

<210> 8538
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8538
Ala Pro Phe Pro Tyr Leu Ser Leu Leu Xaa Ser Pro Gly Leu Pro Leu
1 5 10 15

Met Thr Ser Pro Leu Pro Ser Thr Asp Leu Ile Phe Asn Ser Ala Thr
20 25 30

Pro Ser Ser Asn Pro Leu Xaa Phe Pro Ile Leu Leu Leu Xaa Cys Ile
35 40 45

Glu Gly Ser Met His Xaa Gly Val Ser Ser Gly Phe Arg Gly Pro Xaa
50 55 60

His Pro Xaa Ala Thr Leu Asp Leu Cys Pro Pro Xaa Pro Gln Ser Pro
65 70 75 80

His

<210> 8539
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8539
Arg Gln Ile His Ser Thr Xaa Xaa Val Arg Asp Pro Trp Ala Tyr Arg
1 5 10 15

Val Phe Pro Xaa Gln Cys Ala Glu Trp Lys Pro Leu Pro Asp Pro Phe
20 25 30

Pro Asn Trp Ser Cys
35

<210> 8540
<211> 93
<212> PRT
<213> Homo sapiens

<400> 8540
Thr Lys Tyr Pro Pro Ile Lys Lys Val Ile Asn Trp Val Thr Glu Ala
1 5 10 15

Glu Ile Thr Ile Tyr Val Leu Gln Tyr Pro Ala Ala His Pro Asn Met
20 25 30

Glu Ala Gly Pro Pro Glu Ser Gly Glu Ser Thr Asp Ala Leu Lys Leu
35 40 45

Cys Pro His Glu Glu Phe Leu Arg Leu Cys Lys Glu Arg Ala Glu Glu
50 55 60

Ile Tyr Pro Ile Lys Glu Arg Asn Asn Arg Thr Arg Leu Ala Leu Ile
65 70 75 80

Ile Cys Asn Thr Glu Phe Asp His Leu Pro Pro Arg Asn
85 90

<210> 8541
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8541
Val Cys Gly Ala Glu Glu Gly Cys Gly Cys Cys Leu His Glu Gln Val
1 5 10 15

Glu Leu Glu Ala Lys Val Asp Ala Leu Asn Asp Glu Ile Asn Phe Leu
20 25 30

Arg Thr Leu Asn Glu Thr Glu Leu Thr Glu Leu Gln Ser Gln Ile Ser
35 40 45

```
Asp Thr Ser Val Val Leu Ser Met Asp Asn Ser Arg Ser Leu Asp Leu
     50                  55                  60

Asp Gly Ile Ile Ala Glu Val Lys Ala Gln Tyr Glu Glu Met Ala Lys
 65                  70                  75                  80

Cys Ser Arg Ala Glu Ala Glu Ala Trp Tyr Gln Thr Lys Phe Glu Thr
                 85                  90                  95

Leu Gln Ala Gln Ala Gly Lys His Xaa Asp Asp Leu Arg Asn Thr Arg
            100                 105                 110

Asn Glu Ile Ser Glu Met Asn Arg
        115                 120
```

<210> 8542
<211> 72
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8542
Leu Pro Leu Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys Xaa Trp Ser
1 5 10 15

Ser Thr Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys
20 25 30

Lys Glu Ile Arg Xaa Asn Ser Gln Xaa Thr Ala Lys Val Xaa Xaa Thr
35 40 45

Pro Pro Xaa Ile Pro Ser Tyr Xaa Gly Pro Xaa Glu Ser Ser Cys Ser
50 55 60

Xaa Asn Gln Ala Xaa Phe Xaa Pro
65 70

<210> 8543
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8543
Ala Xaa Xaa Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val Ala
1 5 10 15

Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
20 25 30

Val Pro Phe
35

<210> 8544
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8544
Val Met Lys Val Trp Asp Ala His Val Thr Ala Val Cys Ser Gln Asp
1 5 10 15

Ala Ser Glu Leu Val Xaa Lys Leu Gly Ala Asp Asp Val Ile Asp Tyr
20 25 30

Lys Ser Gly Ser Val Glu Glu Gln Leu Lys Ser Leu Lys Pro Phe Asp
35 40 45

Phe Ile Leu Asp Asn Val Gly Gly Ser Thr Glu Thr Trp Ala Pro Asp
50 55 60

Phe Leu Xaa Lys Trp Ser Gly Ala Thr Tyr Val Thr Leu Val Thr Pro
65 70 75 80

Phe Leu Leu Asn Met Asp Arg
85

<210> 8545
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8545
Val Xaa Leu Xaa Ile Asn Met Leu Ala Phe Ile Pro Val Leu Thr Lys
1 5 10 15

Lys Ile Asn Pro Arg Ser Thr Glu Ala Ala Ile Lys Tyr Phe Leu Thr
20 25 30

Gln Ala Thr Ala Ser Ile Ile Leu Leu Ile Ala Ile Leu Phe Asn Asn
35 40 45

Ile Leu Ser Gly Gln
50

<210> 8546
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

BNSDOCID: <WO__0122920A2_I_>

<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8546
Ile Asn Met Leu Ala Phe Ile Pro Val Leu Xaa Lys Lys Ile Asn Pro
1 5 10 15

Arg Ser Thr Glu Ala Ala Ile Xaa Leu Phe Pro His Ala Ser Xaa Arg
20 25 30

Ile Xaa Xaa Pro Ser Asn Gly Tyr Pro Leu Gln Gln Tyr Thr Leu Arg
35 40 45

Asn Asn Glu Thr Ile Thr Asn Thr Thr Xaa Gln Tyr Ser Ser Leu Asp
50 55 60

Lys His Xaa Gly Tyr Trp Gln Leu Lys Leu Gly Ile Ala Pro Leu Ser
65 70 75 80

Leu Leu Xaa Pro Xaa Arg Leu Pro Gln Gly Thr Pro

85 90

<210> 8547
<211> 53
<212> PRT
<213> Homo sapiens

<400> 8547
Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu Cys
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe
20 25 30

Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala Leu
35 40 45

Leu Leu Pro Leu Pro
50

<210> 8548
<211> 179
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (160)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (175)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8548
Val Asn Ile Ala His Gln Ile Ser Leu Arg Ser Glu Ala Phe Phe His
1 5 10 15

Ala Met Thr Ser Gln His Glu Leu Gln Asp Tyr Leu Arg Lys Thr Ser
20 25 30

Gln Ala Val Lys Met Leu Arg Asp Lys Ile Ala Gln Ile Asp Lys Val
35 40 45

Met Cys Glu Gly Ser Leu His Ile Leu Arg Leu Ala Leu Thr Arg Asn
50 55 60

Asn Cys Val Lys Val Tyr Asn Lys Leu Lys Leu Met Ala Thr Val His
65 70 75 80

Gln Thr Gln Pro Thr Val Gln Val Leu Leu Ser Thr Ser Glu Phe Val
85 90 95

Gly Ala Leu Asp Leu Ile Ala Thr Thr Gln Glu Val Leu Gln Gln Glu
100 105 110

Leu Gln Gly Ile His Ser Phe Arg His Leu Gly Ser Gln Leu Cys Glu
115 120 125

Leu Glu Lys Leu Ile Asp Lys Met Met Ile Ala Glu Phe Ser Thr Tyr
130 135 140

Ser His Ser Asp Leu Asn Arg Pro Leu Glu Asp Asp Cys Gln Val Xaa
145 150 155 160

Lys Glu Glu Arg Leu Ile Ser Leu Gly Phe Gly Phe Lys Thr Xaa Lys
165 170 175

Ala Xaa Phe

<210> 8549
<211> 165
<212> PRT
<213> Homo sapiens

<400> 8549
Glu Glu His Pro Leu Ser Leu Gly Asp Gln Val Thr Pro Ile Ile Asp
1 5 10 15

Leu Met Ala Ile Ser Asn Ala His Phe Ala Lys Leu Arg Asp Phe Ile
20 25 30

Thr Leu Arg Leu Pro Pro Gly Phe Pro Val Lys Ile Glu Ile Pro Leu
35 40 45

Phe His Val Leu Asn Ala Arg Ile Thr Phe Ser Asn Leu Cys Gly Cys
50 55 60

Asp Glu Pro Leu Ser Ser Val Trp Val Pro Ala Pro Ser Ser Ala Val

BNSDOCID: <WO__ 0122920A2 I >

65 70 75 80

Ala Ala Ser Gly Asn Pro Phe Pro Cys Glu Val Asp Pro Thr Val Phe
85 90 95

Glu Val Pro Asn Gly Tyr Ser Val Leu Gly Met Glu Arg Asn Glu Pro
100 105 110

Leu Arg Asp Glu Asp Asp Asp Leu Leu Gln Phe Ala Ile Gln Gln Ser
115 120 125

Leu Leu Glu Ala Gly Thr Glu Ala Glu Gln Val Gly Leu Ala Gln Gly
130 135 140

Val Gly Ser Gly Leu Cys Arg His Thr Ala Glu Val Thr Ala Val Gly
145 150 155 160

Ser Gly Gly Cys Arg
165

<210> 8550
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8550
Ile Gly Gly Ile Thr Ala Pro Thr Val Arg Gln Tyr Tyr Ala Xaa Leu
1 5 10 15

BNSDOCID: <WO__ 0122920A2_I_ >

Thr Xaa Thr Gln Cys Lys Pro Val Xaa Thr Gln Cys Trp Val Phe Gly
20 25 30

Val Ile Gly Phe Leu Gly Xaa Pro Leu Phe Ala
35 40

<210> 8551
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8551
Gln Lys Ile Cys Leu Ile Gln His Glu Arg Cys His Thr Gly Lys Thr
1 5 10 15

Pro Phe Val Cys Thr Glu Cys Gly Lys Ser Tyr Ser His Lys Tyr Gly
20 25 30

Leu Ile Thr His Gln Arg Ile His Thr Gly Glu Lys Pro Tyr Glu Cys
35 40 45

Asn Glu Cys Gly Lys Ala Phe Thr Thr Lys Ser Val Leu Asn Val His
50 55 60

Gln Arg Thr His Thr Gly Glu Arg Pro Tyr Gly Cys Ser Asp Cys Glu
65 70 75 80

Lys Ala Phe Ser His Leu Ser Asn Leu Val Lys His Lys Lys Met His
85 90 95

Thr Arg Xaa Met Gly Arg Ile Ser Gln Val Glu Asn Ser Cys Asn Xaa
100 105 110

Glu Ser Gln Leu Leu Pro Tyr Lys
115 120

<210> 8552

BNSDOCID: <WO___0122920A2_I_>

<211> 155
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8552
Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Val Ser Gly Ala Ile
1 5 10 15

Arg Ala Xaa Pro Asp Gly Thr Ser Trp Ser Cys Glu Gly Thr Gln Gly
20 25 30

Gln Glu Lys Met Met Met Met Gly Pro Lys Glu Glu Glu Gln Ser Cys
35 40 45

Glu Tyr Glu Thr Arg Leu Pro Gly Asn His Ser Thr Ser Gln Glu Ile
50 55 60

Phe Arg Gln Arg Phe Arg His Leu Arg Tyr Gln Glu Thr Pro Gly Pro
65 70 75 80

Arg Glu Ala Leu Ser Gln Leu Arg Val Leu Cys Cys Glu Trp Leu Arg
85 90 95

Pro Glu Lys His Thr Lys Glu Gln Ile Leu Glu Phe Leu Val Leu Glu
100 105 110

Gln Phe Leu Thr Ile Leu Pro Glu Glu Leu Gln Ser Trp Val Arg Gly
115 120 125

His His Pro Lys Ser Gly Glu Glu Ala Val Thr Val Leu Glu Asp Leu
130 135 140

Glu Lys Gly Leu Glu Pro Glu Pro Gln Ser Gln
145 150 155

<210> 8553
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 8553
Val Trp Glu Gly Leu Gln Glu Thr Ala Xaa Ala Ser Gln Cys Ile Lys
1 5 10 15

Gly Ser Thr Gln Val Lys Pro His Tyr Glu Cys Asp Glu Cys Gly Lys
20 25 30

Ala Tyr Ile Ser His Ser Ser Leu Ile Gln Ser
35 40

<210> 8554
<211> 68
<212> PRT
<213> Homo sapiens

<400> 8554
Pro Ile Leu Pro Leu Ser Thr Leu Lys Ala Trp Ser Gly Ala Ala Leu
1 5 10 15

Thr Val His Leu Leu Phe Arg Pro Gln Ile Ala Leu Ser Pro Ser Asp
20 25 30

Pro Leu Ser Cys Arg Pro Gly Asn Ala Cys Cys Gln His Arg Pro Leu
35 40 45

Pro Gly Ser Ser Gly Gln Pro Gly Ala Gly Val Leu Arg Lys Pro Pro
50 55 60

Pro Gln Ala Leu
65

<210> 8555
<211> 733
<212> DNA
<213> Homo sapiens

<400> 8555
gggatccgga gcccaaatct tctgacaaaa ctcacacatg cccaccgtgc ccagcacctg 60
aattcgaggg tgcaccgtca gtcttcctct tccccccaaa acccaaggac accctcatga 120
tctcccggac tcctgaggtc acatgcgtgg tggtggacgt aagccacgaa gaccctgagg 180
tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg 360
agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480
atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540
ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg 600

acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660
acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720
gactctagag gat 733

<210> 8556
<211> 5
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any amino acid

<400> 8556
Trp Ser Xaa Trp Ser
1 5

<210> 8557
<211> 86
<212> DNA
<213> Artificial Sequence
<220>
<221> Primer_Bind
<223> Synthetic sequence with 4 tandem copies of the GAS binding site found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)), 18 nucleotides complementary to the SV40 early promoter, and a Xho I restriction site.

<400> 8557
gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
cccgaaatat ctgccatctc aattag 86

<210> 8558
<211> 27
<212> DNA
<213> Artificial Sequence
<220>
<221> Primer_Bind
<223> Synthetic sequence complementary to the SV40 promter and including a Hind III restriction site.

<400> 8558
gcggcaagct ttttgcaaag cctaggc 27

<210> 8559
<211> 271

<212> DNA
<213> Artificial Sequence
<220>
<221> Protein_Bind
<223> Synthetic promoter for use in biological assays; includes GAS binding sites found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)).

<400> 8559
ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg 60
aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc 120
gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
ttttggaggc ctaggctttt gcaaaaagct t 271

<210> 8560
<211> 32
<212> DNA
<213> Artificial Sequence
<220>
<221> Primer_Bind
<223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); including an Xho I restriction site.

<400> 8560
gcgctcgagg gatgacagcg atagaacccc gg 32

<210> 8561
<211> 31
<212> DNA
<213> Artificial Sequence
<220>
<221> Primer_Bind
<223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); including an Hind III restriction site.

<400> 8561
gcgaagcttc gcgactcccc ggatccgcct c 31

<210> 8562
<211> 12
<212> DNA
<213> Homo sapiens

<400> 8562
ggggactttc cc 12

DOCID: <WO___0122920A2_I_>

<210> 8563
<211> 73
<212> DNA
<213> Artificial Sequence
<220>
<221> Primer_Bind
<223> Synthetic primer with 4 tandem copies of the NF-KB binding site (GGGGACTTTCCC), 18 nucleotides complementary to the 5' end of the SV40 early promoter sequence, and a XhoI restriction site.

<400> 8563
gcggcctcga ggggactttc ccggggactt tccggggact ttccgggact ttccatcctg 60
ccatctcaat tag 73

<210> 8564
<211> 256
<212> DNA
<213> Artificial Sequence
<220>
<221> Protein_Bind
<223> Synthetic promoter for use in biological assays; including NF-KB binding sites.

<400> 8564
ctcgagggga ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct 60
caattagtca gcaaccatag tcccgccccct aactccgccc atcccgcccc taactccgcc 120
cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
cttttgcaaa aagctt 256

THIS PAGE BLANK (USPTO)

THIS PAGE BLANK (USPTO)